Technical Guide
Pro
KT/KB Series
3 - 12.5 ton
R-454B 60 Hz







Description

3-Stage Cooling High Efficiency

Ultra-High Efficiency

Pro units are convertible single packages with a common footprint cabinet and common roof curb for all 3 through 12.5 ton models. The units are designed for light commercial applications and can be easily installed on a roof curb, slab, or frame.

All Pro units are self-contained and assembled on rigid full perimeter base rails allowing for 3-way forklift access and overhead rigging. Every unit is completely charged, wired, piped, and tested at the factory to provide a quick and easy field installation.

Pro units in all tonnage sizes are convertible between side airflow and down airflow, with corresponding economizer if you require the economizer option.

Pro units are available in the following configurations: cooling only, cooling with electric heat, and cooling with gas heat. Electric heaters are available as factory-installed options or field-installed accessories.

All units meet ASHRAE 90.1 single-zone variable supply air volume standard. Featuring a variable frequency drive on 3 through 12.5 ton KT and 6.5 ton to 12.5 ton KB models.

Tested in accordance with:

DESIGN CERTIFIED®

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AHRI CERTIFIED®
www.ahridirectory.org
Unitary Small AC
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.

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Product highlights

- Smart Equipment Controls: streamlines commissioning, integration, and service
- Two independent refrigeration circuits for built-in system redundancy and reliability in the 6.5 to 12.5 ton units
- Three stages of cooling in the 6.5 to 12.5 units to meet advanced building code requirements
- High and Ultra-high efficiency in the original Sun™ Pro footprint to facilitate a direct upgrade path
- Optional MagnaDry reheat system
- Intelli*Speed* variable frequency drive as standard
- Advanced ECM outdoor motors on Ultra High Efficiency models
- Evaporator coils with sine wave fine geometry for increased unit efficiency on Ultra High Efficiency 6.5 to 12.5 ton units
- Balanced heating
- Convertible airflow design
- Safety monitoring
- Low ambient control
- Anti-short cycle protection
- Fan delays
- Nuisance trip protection and three strikes
- Full perimeter base rails
- Easy installation
- Intelli*Speed* or VAV fan control provide a wide range of indoor airflows

Nomenclature

3-12.5 Ton Model Number Nomenclature

K	T	037	C	00	A	2	A	1	A	A	A	1	A	1

Product Category
K = Pkg AC, R-454B

Product Identifier
T = Pkg AC Ultra High Eff
B = Pkg AC High Eff 3-Stage

Nominal Cooling Capacity
037 = 3 Ton[1]
049 = 4 Ton[1]
061 = 5 Ton[1]
078 = 6.5 Ton
090 = 7.5 Ton
102 = 8.5 Ton
120 = 10 Ton
150 = 12.5 Ton

1. Ultra High Eff Only.

Heat Type
C = Cooling Only
E = Electric Heat

Two Stage Natural Gas Heat Options
N = 2 Stage Gas Aluminized Steel
S = 2 Stage Gas Stainless Steel

Heat Capacity
00 = Cooling Only

Gas MBH Input (Unit Size Allowed)
06 = 60 MBH Input (037, 049)
08 = 80 MBH Input (037, 049, 061)
12 = 120 MBH Input (049, 061, 078, 090, 102)
16 = 160 MBH Input (061)
18 = 180 MBH Input (078,090,102,120,150)
24 = 240 MBH Input (120,150)

Electric Heat (Unit Size Allowed)
03 = 3 KW (037)
06 = 6 KW (037,049,061)
09 = 9 KW (037,049,061, 078,090,102)
15 = 15KW (037,049,061)
18 = 18 KW (078,090,102,120,150)
20 = 20 KW (049,061)
24 = 24 KW (078,090,102,120,150)
36 = 36 KW (078,090,102,120,150)
54 = 54 KW (120,150)

Blower Option
E = VFD/VAV Std Static
G = VFD/VAV High Static
H = VFD/VAV w/Bypass Std Static
K = VFD/VAV w/Bypass High Static
P = VFD IntelliSpeed Std Static
R = VFD IntelliSpeed High Static
S = VFD w/Byp IntelliSp Std Static
U = VFD w/Byp IntelliSp Hi Static

Voltage
2 = 208/230-3-60
4 = 460-3-60
5 = 575-3-60[2]

2. 575V is not available in 6.5 - 12.5 ton KT mobels.

Outdoor Air Option
A = No Economizer
B = Economizer w/Barometric RLF
D = Economizer w/Power EXH
H = Motorized Damper

Service Options
1 = No Service Options
2 = DSC (Disconnect Switch)
3 = NCO (Non-PWR Conv. Outlet)
4 = PCO (Powered Conv. Outlet)
5 = DSC,NCO
6 = DSC,PCO

RDS Options
A = Refrigerant Detection System (RDS)
B = RDS and DSC
C = RDS and NCO
D = RDS and PCO
E= RDS, DSC and NCO
F = RDS, DSC and PCO

Sensors
A = No Sensors
B = PHM (Phase Monitor)
C = DFS (Dirty Filter Switch)
D = SSD (Supply Air Smoke DET)
E = RSD (Return Air Smoke DET)
F = PHM,DFS
G = PHM,SSD
H = PHM,RSD
J = DFS,SSD
K = DFS,RSD
L = SSD,RSD
M = PHM,DFS,SSD
N = PHM,DFS,RSD
P = PHM,SSD,RSD
Q = DFS,SSD,RSD
R = PHM,DFS,SSD,RSD

Controls Option
A = Stand Alone Smart Equipment
C = BACnet MSTP,Mdbs,N2 COM Card
U = SkyQ Single Zone w/ Bluetooth
V = SkyQ Changeover Bypass w/ Bluetooth
W = SkyQ VAV w/ Bluetooth

Refrigeration
A = Standard Refrigeration
B = ECC (E-Coat Cond Coil)
C = EEC (E-Coat Evap Coil)
D = HGBP (Hot Gas Bypass)
E = REH (Hot Gas Reheat)
F = ECC, EEC
G = ECC, EEC, HGBP
H = ECC, EEC, REH
J = ECC, HGBP
L = ECC, REH
M = EEC, HGBP
P = EEC, REH

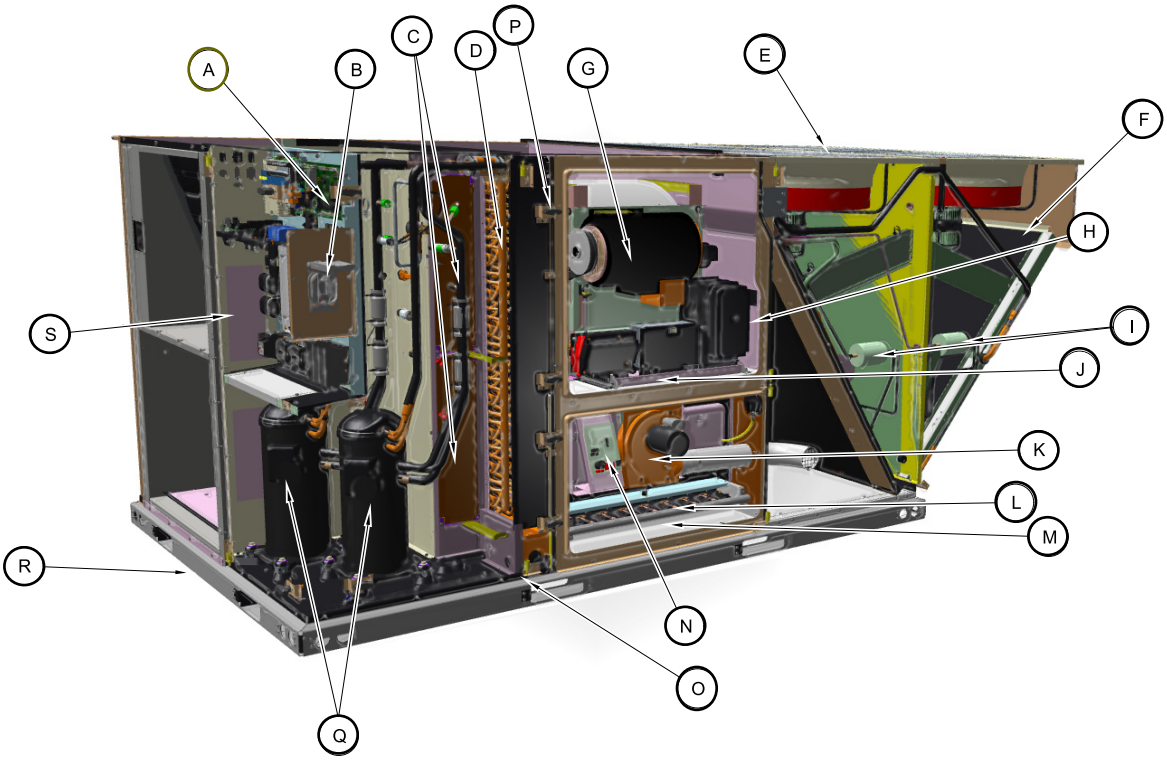
Additional Options
1 = STD Throwaway Filter
2 = MERV 8 Pleated Filters
3 = MERV 13 Pleated Filters
4 = Coil Guard (CG), STD Filter
5 = MERV 8 Filter, CG
6 = MERV 13 Filter, CG
S = VFD Shaft Grounding Device (SGD), STD Filter
U = SGD, MERV 8 Filter
V = SGD, MERV 13 Filter
W = SGD, CG, STD Filter
X = SGD, MERV 8 Filter, CG
Y = SGD, MERV 13 Filter, CG

Cabinet Options
A = Std Cabinet
B = Condensate Overflow Switch (COF)
C = French Canadian Shipment (FCS)
D = COF, FCS
E = SSD (SST Drain Pan)
F = COF, SSD
G = FCS, SSD
H = COF, SSD, FCS
R = Reverse Drain Pan
S = COF, RDP
T = FCS, RDP

Product Generation
1 = First Generation

Component location

KT078, KT090, and KT102 shown



Component location table (click on the call out in the illustration above for a more detailed description)

Item	Description
A	Smart Equipment supply fan controls with IntelliSpeed™. Includes screw connectors for thermostat wiring and network connections
B	Disconnect location, optional disconnection switch
C	Filter access (2 in. filters, MERV 8, or MERV 13 options)
D	High efficiency sine wave fin evaporator coil (KT units only)
E	ECM outdoor fan motor (KT units only)
F	Micro-channel aluminum tube/aluminum fin condenser
G	Premium efficiency belt-drive blower motor
H	Variable frequency drive
I	Solid core filter drier
J	Slide-out motor and blower assembly for easy adjustment and service

Item	Description
K	Power ventor motor
L	Two stage gas heating to maintain a warm, comfortable temperature
M	20-gauge aluminized steel tubular heat exchanger for long life. Stainless steel option
N	Intelligent control board for safe and efficient operation
O	Drain pan with 1-inch NPT connection
P	Toolless door latch
Q	Compressor access
R	Base rails with forklift slots (three sides) and lifting holes
S	Second model nameplate inside hinged access panel

Standard features

This section describes the standard features for ultra-high efficiency 3 to 12.5 ton units.

Ultra-high efficiency tier

Ultra-high efficiency units reach as high as 16.7 SEER2 and 13.4 EER2 for 3 to 5 ton units, and up to 21.5 IEER and 13.2 EER for 6.5 to 12.5 ton units. Gas and electric units have electronic spark ignition and power vented combustion with steady state efficiencies up to 81%. These efficiencies exceed all legislated minimum levels and provide low operating costs.

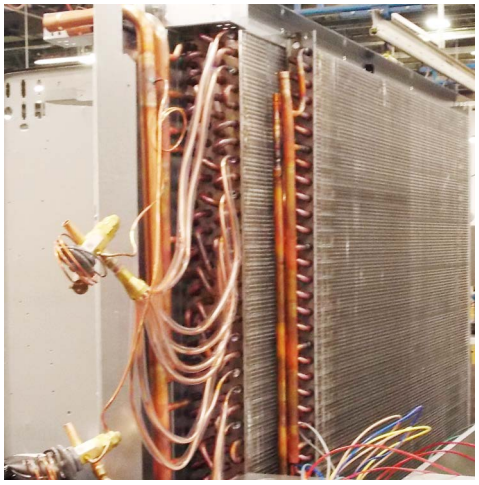
3 Stage Cooling High Efficiency tier

3 stage high efficiency models reach as high as 16.5 IEER and 12.6 EER for 6.5-12.5 ton units.



Two independent refrigeration circuits

Two independent refrigerant circuits provide system redundancy and reliability to give the customer peace of mind. Available on 6.5 to 12.5 ton units only.



Optional MagnaDry™ dehumidification system

Units optioned with reheat coils provide superior dehumidification at a wide range of outdoor temperatures. This system provides comfort without over-cooling the space.



Slide out blower assembly

The Pro incorporates a number of key features for ease of serviceability.

- The motor and blower slide out of the unit as a common assembly. This facilitates greater access to all the indoor airflow components, thus simplifying maintenance and adjustment.

Toolless hinged panels

- Service time is reduced through the use of hinged, toolless panels. The panels provide access to frequently inspected components and areas, including the control box, compressors, filters, indoor motor and blower, and the heating section. The panels are screwed in place at the factory to prevent access by children or other unauthorized persons. It is recommended that the panels be secured with screws once service is complete.



- All units use four filters of the same standard size. This standardization simplifies selections for filter replacement.
- All Pro units have a second model nameplate located inside the control access door. This is to prevent deterioration of the nameplate through weathering.
- Service windows have been placed in both condenser section walls. Rotation of the cover allows easy access to the condenser coils for cleaning or inspection.
- The Smart Equipment control board provides alarm messages to help quickly identify any faults.

Indoor motors

Units come from the factory with premium efficiency, inverter rated, indoor motors. Both motor and belt drive blower are mounted on a slide out assembly for ease of service.

Variable frequency drive

These factory supplied variable frequency drives come with a 5-year warranty from the manufacturer. They also provide ease of commissioning without the need for a computer to program the motor and soft start capabilities for longer motor and belt life.



ECM outdoor motors

Units come from the factory with long lasting, high efficiency ECM motors on ultra high efficiency models.



Microchannel coil technology

All KT/KB condensers use microchannel all-aluminum condensers which provide improved heat transfer capabilities and reduced charge volumes.

Evaporator coil technology

- 6.5 to 12.5 ton ultra high efficiency units use new sine wave fin geometry in a copper tube/aluminum fin evaporator coil for increased unit efficiency.



Environmentally aware

For improved Indoor Air Quality, a combination of aluminum foil faced and elastometric rubber insulations are used exclusively throughout the units.

Balanced heating

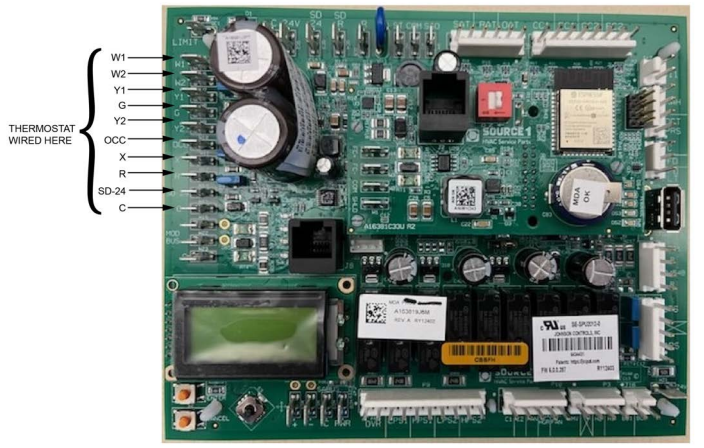
The Pro two stage gas heating offers ultimate heating comfort with a balance between first and second stage gas heating. The first stage of a gas heat Pro unit provides 70% or 75% of the heating capacity for the 3 to 5 ton units. The 6.5 to 12.5 ton units reach 60% heating capacity on the first stage.

Convertible airflow design

A convertible airflow design provides maximum field flexibility while minimizing inventory. The side ducts are covered when the units leave the factory. In a side supply/return application, the installer simply removes the two side duct covers from the outside of the unit and installs them over the down shot openings without having to cut any panels.

Advanced, versatile controls

- Smart Equipment control boards have standardized a number of features previously available only as options or by using additional controls.
- The unit control incorporates the best of the already proven Simplicity™ controls and creates a more robust, intelligent control. The goal of this control is to use cutting edge technology making the equipment easier to install, operate, and service. All units are factory commissioned, configured, and run tested.
- The Smart Equipment control can be configured for use with a standard thermostat (easy to connect screw terminals), a zone sensor, or can be set up to communicate with multiple BAS communication protocols to integrate with building automation systems.



A0209-B

- **On-board USB port**

  The Smart Equipment control comes standard with an on-board USB port that accepts a common flash drive. This port can be used for features like data logging, listing current and previous system faults, and backing up or updating the software version. Self-test and start up reports are also available through the USB port.

- **Embedded LCD display**

  The board has an easy to read, built-in LCD display and easy to use navigation joystick and buttons allowing the user to quickly navigate the menus displaying unit status, options, current function, supply, return and outdoor temperatures, fault codes and other information.

⚠ CAUTION

The Smart Equipment control board used in this product will effectively operate the cooling system down to 0°F when this product is applied in a comfort cooling application for people. An economizer is typically included in this type of application. When applying this product for process cooling applications (computer rooms, switchgear, etc.), please call the applications department for Ducted Systems @ 1-877-874-SERV for guidance. Additional accessories may be needed for stable operation at temperatures below 30°F.

Reduced field-installed complexity

Each unit comes equipped with factory installed supply air, return air, and outdoor air temperature sensors providing key temperature readings thus reduce field installed complexity.

Safety monitoring

The control monitors the outdoor, supply, and return air temperatures and the high and low pressure switch status on the independent refrigerant circuits. On units with heating the gas valve and high temperature limit switches are monitored on gas and electric heating units. The control also monitors the voltage supplied to the unit and will protect the unit if low voltage due to a brown out, or other electrical issue occurs.

Low ambient control

An integrated low-ambient control allows units to operate in the cooling mode down to 0°F outdoor ambient without additional components or intervention. Optionally, the control board can be programmed to lockout the compressors when the outdoor air temperature is low or when free cooling is available.

Anti-short cycle protection

To aid compressor life, an anti- short cycle delay is incorporated into the standard control. Compressor reliability is further ensured by programmable minimum run times. For testing, the anti-short cycle delay can be temporarily overridden with the push of a button.

Fan delays

Fan on and fan off delays are fully programmable. Furthermore, the heating and cooling fan delay times are independent of one another. All units are programmed with default values based upon their configuration of cooling and/or heating capacity.

Nuisance trip protection and three strikes

To prevent nuisance calls, the control board uses a three times, you're out philosophy. The high, low-pressure switch, anti-freeze protection, low voltage or heating high limit must trip three times within two hours before the unit control board locks out the associated compressor.An alarm message is then displayed on the LCD screen.

Low limit control

The low limit control (LLC) prevents the supply air from dropping below a specified set point, when there is a demand for cooling during cold outside conditions. This is a programmable setpoint.

Reliability

From the beginning, all units undergo computer automated testing before they leave the factory. Units are tested for refrigerant charge and pressure, unit amperage, and 100% functionality. For the long term: all units are painted with a long lasting, powder paint that stands up over the life of the unit. The paint used has been proven by a 750-hour salt spray test.

Full perimeter base rails

The permanently attached base rails provide a solid foundation for the entire unit and protect the unit during shipment. The rails offer rigging holes so that an overhead crane can be used to place the units on a roof.

Easy installation

Gas and electric utility knockouts are supplied in the unit underside as well as the side of the unit. Utility connections can be made quickly and with a minimum amount of field labor. All units are shipped with 2-inch throw-away filters installed.

Wide range of indoor airflows

All supply air blowers are equipped with a belt drive that can be adjusted to meet the exact requirements of the job. A high static drive option is available for applications with a higher CFM and/or static pressure requirement.

Standard factory warranty

All models include a 1-year limited warranty on the complete unit. Compressors and electric heater elements each carry a 5-year warranty. Aluminized steel (10 year) and stainless steel tubular heat exchangers carry a 15-year warranty.

Options and accessories

The following options and accessories are available as factory-installed and field-installed options.

Options and accessories

	Factory option	Field-installed
Non-electrical		
Burglar bars		✓
Coil guard	✓	✓
Hail guard		✓
VFD shaft grounding device	✓	✓
Flue exhaust extension		✓
2-inch only metal filter frame		✓
Permanent 2-inch only filter		✓
High altitude kit for natural gas		✓
High altitude kit for propane		✓
Propane conversion		✓
Roof curb, 8-inch height		✓
Roof curb, 14-inch height		✓
Transition roof curb (7.5 through 12.5 ton Sunline to Pro 3 through 12.5 ton)		✓
Wooden crate for extra protection during shipping and handling		✓
Aluminized steel gas heat exchanger	✓	
Stainless steel gas heat exchanger	✓	
Stainless steel drain pan	✓	
E-Coat coil coating	✓	
Magna-Dry dehumidification option (6.5 through 12.5 KT ton units only)	✓	
Hot gas bypass (excludes MagnaDry optioned units)	✓	
Electrical		
High static indoor blower motor	✓	
Disconnect switch	✓	
Convenience outlet - (Non-powered or powered)	✓	✓
Condensate overflow switch	✓	✓
Phase monitors	✓	
Electric heat options	✓	✓
Fresh air		
Manual outside air damper		✓
Barometric relief kit for power exhaust, horizontal application		✓
Single or dual enthalpy control		✓
Low leak vertical economizer	✓	✓
Horizontal economizer		✓
Motorized damper	✓	✓
Power exhaust	✓	✓
Controls		
Air proving switch	✓	✓
CO^2 sensor		✓
RDS	✓	✓
CPC BAS control	✓	
Dirty air filter switch	✓	✓
Honeywell BAS control	✓	
Novar® BAS control	✓	
Smoke detectors for supply and return air configurations	✓	✓
MAP (Mobile Access Portal) Gateway for use with Smart Equipment control		✓
SkyQ	✓	✓

Accessories

Field installed accessories - non-electrical

Model	Voltage	Description	Where used
1BD0408	All	Burglar Bars, Downflow	All Cabinets
1CG0419	All	Coil Guard	(Electric / Electric Models), 50 in. Tall Standard Cabinets
1CG0420	All	Coil Guard	(Gas / Electric Models), 50 in.Tall Standard Cabinets
1CG0427	All	Coil Guard	(Electric / Electric Models), 42 in.Tall Cabinets
1CG0428	All	Coil Guard	(Gas / Electric Models), 42 in.Tall Cabinets
1HG0411	All	Hail Guard Kit	All Tall (50 in.) Standard Cabinets, (Excludes 12.5T "V" cabinets)
1HG0415	All	Hail Guard Kit	All Short (42 in.) Standard Cabinets
1HG0441	All	Hail Guard Kit	Diamond Pattern "W" Style Cabinets (ZJ150)
1HG0434	All	Hail Guard Kit	Provent Style 50 in. W Cabinet (ZJ150)
1HG0431	All	Hail Guard Kit	Provent Style 42 in. Std Short Cabinets
1HG0432	All	Hail Guard Kit	Provent Style 50 in. Std Tall Cabinets (Excludes 12.5T "V" cabinets)
1SG0402	All	VFD shaft grounding device for large shaft blowers	See kit installation instructions
1SG0403	All	VFD shaft grounding device for small shaft blowers	See kit installation instructions
1FE0412	All	Flue Exhaust Extension Kit	All Cabinets
1FF0414	All	2 in. only Metal Filter Frame Kit	All Tall 50 in.Cabinets
1FF0415	All	2 in. only Metal Filter Frame Kit	All Tall 42 in. Cabinets
1FL0402	All	Permanent 2 in. only Filter Kit Includes (4) Four Filters)	All Tall 50 in.Cabinets
1FL0423	All	Permanent 2 in. only Filter Kit (Includes (4) four Filters)	All Tall 42 in.Cabinets
1HA0448	All	High Altitude Kit for Natural Gas	All 6 - 12T Cabinets
1HA0447	All	High Altitude Kit for Natural Gas	All 3 - 5T Cabinets
1HA0425	All	High Altitude Kit for Propane	All 6 - 12T Cabinets
1HA0424	All	High Altitude Kit for Propane	All 3 - 5T Cabinets
1NP0463	All	Propane Conversion Kit	All 6 - 12T Cabinets
1NP0462	All	Propane Conversion Kit	All 3 - 5T Cabinets
1RC0470	All	Roof Curb, 8 in.Height	All Cabinets
1RC0471	All	Roof Curb, 14 in. Height	All Cabinets
1RC0472	All	Roof Curb, Transition (7.5 T through 12.5T Sunline to Pro 3-12T)	All Cabinets
1WC0412	All	Wooden Crate for extra protection during shipping and handling	Standard Cabinets Only (not applicable to units 119 in.in length)

Accessories (continued)

Field Installed Accessories - Electric Heat

Model	Voltage	Description	Where used
2TP04520925	230	9kW Electric Heat	All 50" Cabinet 6.5 and 8.5 Ton Models
2TP04520946	460		
2TP04520958	575		
2TP04531825	230	18kW Electric Heat	All 50" Cabinet 6.5, 8.5, 10 and 12.5 Ton Models
2TP04531846	460		
2TP04521858	575		
2TP04532425	230	24kW Electric Heat	All 50" Cabinet 6.5, 8.5, 10 and 12.5 Ton Models
2TP04532446	460		
2TP04522458	575		
2TP04533625	230	36kW Electric Heat	All 50" Cabinet 6.5, 8.5, 10 and 12.5 Ton Models
2TP04533646	460		
2TP04523658	575		
2TP04525425	230	54kW Electric Heat	All 50" 10 and 12.5 Ton Models
2TP04525446	460		
2TP04525458	575		
2TP04540925	230	9kW Electric Heat	All 42" Cabinet 6.5, 7.5 and 8.5 Ton Models
2TP04540946	460		
2TP04540958	575		
2TP04541825	230	18kW Electric Heat	All 42" 6.5, 7.5 and 8.5 Ton Models
2TP04541846	460		
2TP04541858	575		
2TP04542425	230	24kW Electric Heat	All 42" Cabinet 6.5, 7.5 and 8.5 Ton Models
2TP04542446	460		
2TP04542458	575		
2TP04543625	230	36kW Electric Heat	All 42" Cabinet 6.5, 7.5 and 8.5 Ton Models
2TP04543646	460		
2TP04543658	575		
2TP04510325	230	3kW Electric Heat	All 42" Cabinet 3 Ton Models
2TP04510346	460		
2TP04510625	230	6kW Electric Heat	All 42" Cabinet 3, 4 and 5 Ton Models
2TP04510646	460		
2TP04510825	230	9kW Electric Heat	All 42" Cabinet 3, 4 and 5 Ton Models
2TP04510846	460		
2TP04510858	575		
2TP04511525	230	15kW Electric Heat	All 42" Cabinet 3, 4 and 5 Ton Models
2TP04511546	460		
2TP04511558	575		
2TP04512025	230	20kW Electric Heat	All 42" 4 and 5 Ton Models
2TP04512046	460		
2TP04512058	575		
2TP04512325	230	24kW Electric Heat	All 42" Cabinet 5 Ton Models
2TP04512346	460		
2TP04512358	575		

Accessories (continued)

Field installed accessories - fresh air

Model	Voltage	Description	Where used
1FA0413	All	Manual Outside Air Damper 0-35%, Downflow	All Cabinets
1FA0414	All	Manual Outside Air Damper 0-100%, Downflow	All Cabinets
1EH0408	All	Barometric Relief Kit for Power Exhaust, Horizontal Application	All Cabinets
2EC0401	All	Single Enthalpy Control	All Cabinets
2EC0402	All	Dual Enthalpy Control (Includes 2 Sensors)	All Cabinets
2EE04717425	All	Economizer for Downflow, End Return Horizontal, or Bottom Return Vertical Applications. Includes FA Hood, Exhaust Hood w/Baro Relief	All 42 in.Cabinets
2EE04717625	All	Economizer for Downflow, End Return Horizontal, or Bottom Return Vertical Applications. Includes FA Hood, Exhaust Hood w/Baro Relief	All 50 in. Cabinets
2EE04709725	All	Economizer for Downflow, End Return Horizontal, or Bottom Return Vertical Applications. Includes FA Hood, Exhaust Hood w/Baro Relief, BAS Ready	All 42 in. Cabinets
2EE04709825	All	Economizer for Downflow, End Return Horizontal, or Bottom Return Vertical Applications. Includes FA Hood, Exhaust Hood w/Baro Relief, BAS Ready	All 50 in. Cabinets
2EE04706924	All	Horizontal Economizer without Barometric Relief	All Cabinets
2MD04703824	All	Motorized Damper, Downflow without Barometric Relief	All Cabinets
2MD04703924	All	Motorized Damper, Horizontal without Barometric Relief	All Cabinets
2PE04704706	230	Power Exhaust 230V Downflow or Horizontal	All Cabinets
2PE04704746	460	Power Exhaust 460V Downflow or Horizontal	All Cabinets
2PE04704758	575	Power Exhaust 575V Downflow or Horizontal	All Cabinets

Field installed accessories - controls

Model	Voltage	Description	Where used
2AP0401	All	Air Proving Switch	All Units
2DS0403	All	Refrigerant Detection System (RDS)	All Units
2AQ04700524	All	CO^2 Space Accessory	All Units
2AQ04700624	All	CO^2 Unit Accessory	All Units
2DF0402	All	Dirty Air Switch	All Units
2SD04700824	All	Smoke Detector for Supply	All Units
2SD04700924	All	Smoke Detector for Return	All Units
2SD04701024	All	Smoke Detector for Supply and Return	All Units
S1-YK-MAP1810-0P	All	MAP (Mobile Access Portal) Gateway- For use with Smart Equipment Control.	All Units
S1-MP-PRTKIT-0P	All	MAP (Mobile Access Portal) Gateway Kit- Replacement MAP gateway protective case, lanyard and communication cable. Use only to replace worn or damaged components.	All Units

Field installed accessories - electrical

Model	Voltage	Description	Where used
2FS0405	All	Condensate overflow switch	All
2NC0403	All	Non-powered convenience outlet	All
2LA04702412	All	Low Ambient Kit	All 3 - 10T units (excludes KT)
2LA04702424	All	Low Ambient Kit	All 12.5T cabinets (excludes KT)

Factory and field-installed options

There are several factory and field-installed options for the Pro line.

Down flow and end return economizers with barometric relief and fresh air hood

Factory or field-installed option

All units offer a variety of optional factory-installed or field-installed down flow economizers that are shipped, installed and wired with low leak dampers designed to meet ASHRAE 90.1, AMCA 511 Class 1A damper, and the International Energy Conservation Code (IECC) certification requirements by achieving leakage rates of 3 CFM/sq. ft. at 1-inch of static pressure.

Each economizer goes through a rigorous 60,000 cycle test. Dry bulb, single enthalpy, and dual enthalpy (with field installed kit) can be selected. The economizer has spring return, fully modulating damper actuators and is capable of introducing up to 100% outdoor air. As the outdoor air intake dampers open, the return air dampers close. The changeover from mechanical refrigeration to economizer operation is regulated by the outdoor air dry bulb temperature or the outdoor air enthalpy input. The installer needs only to assemble the outdoor air hood, attach the enthalpy control the hood and mount the hood to the unit (hood and control are provided).

Single or dual enthalpy control accessories

Field-installed option

The single enthalpy or dual enthalpy control kits provide sensors to monitor outdoor air and/or return air humidity and temperature for true enthalpy control of the unit economizer.

Power exhaust

Factory or field-installed option

This factory or field installed option allows down flow or horizontal end return economizer operation. Field installation user must purchase the 1EH0408 barometric relief and hood kit when applying the product in a horizontal flow application. The power exhaust must be removed from the unit and mounted in the horizontal end return duct work when applying the product in the horizontal, end return configuration.

Motorized outdoor air damper

Factory or field-installed option

The motorized outdoor air damper includes a slide-in/plug-in damper assembly with an outdoor air hood and filters. The outdoor air dampers open to the preset position when the indoor fan motor is energized. The damper has a range of 0% to 100% outdoor air entry.

Manual outdoor air damper

Field-installed option

The manual outdoor air damper includes a slide-in damper assembly with an outdoor air hood and filters. Customers have a choice of dampers with ranges of 0% to 100% or 0% to 35% outdoor air entry.

Barometric relief damper

Field-installed option

Zero to 100% capacity barometric relief dampers for use with horizontal flow, or field installed economizers.

Alternate indoor blower motor

Factory option

For applications with high static restrictions, units are offered with optional indoor motors that provide higher static output and/or higher airflow, depending upon the installer’s needs.

Aluminized steel gas heat exchanger

Factory option

The standard gas heat exchanger option for applications in non-corrosive environments.

Stainless steel gas heat exchanger

Factory option

The gas heat exchanger option for applications in corrosive environments. This option provides a full stainless steel heat exchanger assembly.

Stainless steel drain pan

Factory option

An optional rust-proof stainless steel drain pan is available to provide years of trouble-free operation in corrosive environments.

Electric heaters

Factory or field-installed option

The electric heaters range from 3kW to 54kW and are available in all the voltage options of the base units. All heaters are intended for single point power supply. **Field installed kits:** cooling units include an adapter panel for easy installation of the electric heaters. Necessary hardware and connectors are included with the heaters. All heaters are intended for single point power supply.

Disconnect switch

Factory option

For gas heat units and cooling units with electric heat, a HACR breaker sized to the unit is provided. For cooling only units, a switch sized to the largest electric heat available for the particular unit is provided.

Convenience outlet

Factory or field-installed option

Non-powered and powered convenience outlets are available. This option locates a 120V single-phase GFCI outlet with cover, on the corner of the unit housing adjacent to the compressors. The non-powered option requires the installer to provide the 120V single-phase power source and wiring. The powered option is powered by a stepdown transformer in the unit.

Smoke detectors

Factory or field-installed option

The smoke detectors stop operation of the unit and provide a fault message to the control board. Smoke detectors are available for both the supply and/or return air configurations.

⚠WARNING

Factory-installed smoke detectors may be subjected to extreme temperatures during off times due to outside air infiltration. These smoke detectors have an operational limit of -4°F to 158°F. Smoke detectors installed in areas that could be outside this range will have to be relocated to prevent false alarms.

CO_2 sensor

Field-installed option

This kit senses CO_2 levels and automatically overrides the economizer when levels rise above the preset limits.

Refrigerant Detection System (RDS)

Factory or Field-installed option

Integrated sensors providing R-454B leak detection. RDS shall be connected into unit controls and automatically start a sequence to dilute refrigerant gas as well as alarm upon sensing the presence of refrigerant in the cabinet, indicating a leak equal to 25% of the Lower Flammability Limit. The RDS contains factory or field installed sensors that are located to ensure accurate and timely sensing of a leak.

VFD shaft grounding device

Factory or field-installed option

Available on units with a VFD, the shaft grounding device helps prevent electrical bearing fluting damage to the blower motor shaft by safely diverting harmful shaft voltages and bearing currents to ground, increasing the motor longevity.

Condensate overflow switch

Factory or field-installed option

Mounted to the unit drain pan, the condensate overflow switch is a float switch that monitors the level of water in the drain pan to shut down unit operation and prevent drain pan overflow within the unit.

Filters

Factory or field-installed option

2-inch Pleated MERV 8 or MERV 13 filters are available to meet LEED requirements. A 2-inch throwaway is shipped as standard.

Metal frame filter kit

Field-installed option

A metal frame with polyester filter medium is available.

Coil guard

Factory or field-installed option

Customers can purchase a coil guard to protect the condenser coil from damage. Additionally, this kit stops animals and foreign objects from entering the space between the inner condenser coil and the main cabinet. This is not a hail guard kit.

Hail guard

Field-installed option

This kit includes a sloped hood that is installed over the outside condenser coil and prevents damage to the coil fins from hail strikes.

Dirty filter switch

Factory or field-installed option

This option/kit includes a differential pressure switch that energizes the fault light on the unit thermostat, indicating that there is an abnormally high pressure drop across the filters.

E-Coat evaporator and condenser

Factory option

The evaporator and/or condenser coils are coated with an epoxy polymer coating to protect against corrosion.

Flue exhaust extension kit

Field-installed option

In locations with wind or weather conditions which may interfere with proper exhausting of furnace combustion products, this kit can be installed to prevent the flue exhaust from entering nearby fresh air intakes.

Gas heat high altitude kit

Field-installed option

This kit converts a gas heat unit to operate at high altitudes from 2,000 to 6,000 feet. Conversion kits are available for natural gas and propane.

Gas heat propane conversion kit

Field-installed option

This kit converts a gas-fired heater from natural gas to propane. It contains the main burner orifices and gas valve replacement springs.

Roof curbs

Field-installed option

The roof curbs have insulated decks and are shipped disassembled. The roof curbs are available in 8-inch and 14-inch heights. For applications with security concerns, burglar bars are available for the duct openings of the roof curbs.

Roof curb transition

Field-installed option

Single piece adapter (10-inch high) roof curbs for transitioning from Sunline™ units to Pro units. Fits 7.5 to 12.5 Sunline™ roof curbs only.

Burglar bars

Field-installed option

Mount in the supply and return openings to prevent entry into the duct work.

Thermostat

Field-installed option

The units are designed to operate with 24 V electronic and electro-mechanical thermostats. All ultra-high efficiency 3 to 5 ton units (with or without an economizer) operate with two-stage heat/two-stage cool or two-stage cooling only thermostats, depending on the unit configuration. All 6.5 to 12.5 ton units (with or without an economizer) operate with two-stage heat/3+ stage cool or 3+ stage cooling only thermostats, depending on the configuration.

Control options

The following sections describe the control options.

Smart Equipment control with communication option

The communication option for the Smart Equipment control is a factory installed add-on card to expand the capabilities with a gateway to BACnet MS/TP (programmable to Modbus or N2 protocols). This communications card also features Bluetooth wireless connectivity, allowing users to conveniently view operating status, adjust settings, troubleshoot, analyze trends, and modify schedules with the GoTemp Pro mobile app.

SkyQ

SkyQ is a comprehensive light-commercial control system designed for mechanical contractors, even those with minimal controls expertise. It enables contractors to expand their offerings by bundling equipment and controls into a single solution.

SkyQ integrates seamlessly with Smart Equipment controls, and its pre-programmed controllers along with desktop and mobile apps make system commissioning simple and efficient. Supporting single-zone constant volume, single-zone VAV, multi-zone changeover bypass, and multi-zone VAV configurations, SkyQ covers the full range of traditional rooftop applications.

Systems can optionally be connected to the Internet for remote monitoring, configuration, and alarm notifications. Additional features—such as wireless networking, third-party RTU integration, I/O controllers, and control enclosures—further enhance contractor capabilities and open new opportunities for bundled solutions.

Guide specifications

General

Pro units are convertible single packages with a common footprint cabinet and common roof curb for all 3 through 12.5 ton models. The units were designed for light commercial applications and can be easily installed on a roof curb, slab, or frame. All Pro units are self-contained and assembled on rigid full perimeter base rails allowing for 3-way forklift access and overhead rigging. Every unit is completely charged with R-454B, wired, piped, and tested at the factory to provide a quick and easy field installation. All units are convertible between side and down airflow. Independent economizer designs are used on side and down discharge applications, as well as all tonnage sizes. Pro units are available in the following configurations: cooling only, cooling with electric heat and cooling with gas heat. Electric heaters are available as factory-installed options or field-installed accessories.

Description

Units are factory assembled, single package, (Elec/Elec, Gas/Elec), designed for outdoor installation. They shall have built in field convertible duct connections for down discharge supply/return or horizontal discharge supply/return and be available with factory installed options or field installed accessories. The units shall be factory wired, piped and charged with R-454B refrigerant and factory tested prior to shipment. All unit wiring shall be both numbered and color coded. The cooling performance shall be rated in accordance with DOE and AHRI test procedures. Units shall be CSA certified to ANSI Z21.47 and UL 1995/CAN/CSA No. 236-M90 standards.

Unit cabient

Unit cabinet shall be constructed of galvanized steel with exterior surfaces coated with a non-chalking, powder paint finish, certified at a 750-hour salt spray test per ASTM-B117 standards. Indoor blower sections shall be insulated with up to 1” thick insulation coated on the airside. Either aluminum foil faced or elastometric rubber insulation shall be used in the unit’s compartments and be fastened to prevent insulation from entering the air stream. Cabinet doors shall be hinged with toolless access for easy servicing and maintenance. Full perimeter base rails shall be provided to assure reliable transit of equipment, overhead rigging, fork truck access and proper sealing on roof curb applications. Disposable 2-in. filters shall be furnished as standard and be accessible through hinged access door. Fan performance measuring ports shall be provided on the outside of the cabinet to allow accurate air measurements of evaporator fan performance without removing panels or creating bypass of the coils. Condensate pan shall be slide out design, constructed of a non corrosive material, internally sloped and conforming to ASHRAE 62-B9 standards. Condensate connection shall be a minimum of 3/4 in. I.D. female and be rigid mount connection.

Indoor (evaporator) fan assembly

Fan shall be a belt drive assembly and include an adjustable pitch motor pulley. Job site selected brake horsepower shall not exceed the motors nameplate horsepower rating plus the service factor. Units shall be designed to operate within the service factor. Fan wheel shall be double inlet type with forward curve blades, dynamically balanced to operate smoothly throughout the entire range of operation. Design shall meet ASHRAE 90.1 single-zone variable supply air volume standard. Bearings shall be sealed and permanently lubricated for longer life and no maintenance. Entire blower assembly and motor shall be slide out design.

Outdoor (condenser) fan assembly

The outdoor fans shall be of the direct drive type, discharge air vertically, have aluminum blades riveted to corrosion resistant steel spider brackets and shall be dynamically balanced for smooth operation. The outdoor fan motors shall have permanently lubricated bearings internally protected against overload conditions and staged independently. A cleaning window shall be provided on two sides of the units for coil cleaning.

Refrigerant components

Compressors:

a. Shall be fully 2-stage, hermetic type, direct drive, internally protected with internal high-pressure relief and over temperature protection. KB models utilize both 1 stage and 2 stage compressor models. The hermetic motor shall be suction gas cooled and have a voltage range of + or – 10% of the unit nameplate voltage.

b. Shall have internal spring isolation and sound muffling to minimize vibration and noise, and be externally isolated on a dedicated, independent mounting.

Coils:

a. Evaporator coils shall have aluminum plate fins mechanically bonded to seamless internally enhanced copper tubes with all joints brazed. Special Phenolic coating shall be available as a factory option.

b. Evaporator coils shall be of the direct expansion, draw-through design.

c. Condenser coils shall have Micro-Channel aluminum tube, aluminum fins.

d. Condenser coils shall be of the draw-through design.

Refrigerant Circuit and Refrigerant Safety Components shall include:

a. Independent fixed-orifice or thermally operated expansion devices.

b. Solid core filter drier/strainer to eliminate any moisture or foreign matter.

c. Accessible service gage connections on both suction and discharge lines to charge, evacuate, and measure refrigerant pressure during any necessary servicing or troubleshooting, without losing charge.

Unit Controls:

a. Unit shall be complete with self-contained low-voltage control circuit protected by a resettable circuit breaker on the 24-volt transformer side.

b. Unit shall incorporate a lockout circuit which provides reset capability at the space thermostat or base unit, should any of the following standard safety devices trip and shut off compressor.

1. Loss-of-charge/Low-pressure switch.
2. High-pressure switch.
3. Freeze condition sensor on evaporator coil. If any of these safety devices trip, the LCD screen will display the alarm message.

c. Unit shall incorporate AUTO RESET compressor over temperature, over current protection.

d. Unit shall operate with conventional thermostat designs and have a low voltage terminal strip for easy hook-up.

e. Unit control board shall have on-board diagnostics and fault message display.

f. Standard controls shall include anti-short cycle and low voltage protection, and permit cooling operation down to a selectable value as low as 0 °F.

g. Control board shall monitor each refrigerant safety switch independently.

Gas heating section (if equipped)

Heat exchanger and exhaust system shall be constructed of aluminized steel and shall be designed with induced draft combustion with post purge logic, energy saving direct spark ignition, and redundant main gas valve. The heat exchanger shall be of the tubular type, constructed of T1-40 aluminized steel for corrosion resistance and allowing minimum mixed air entering temperature of 40 ºF. Burners shall be of the in-shot type, constructed of aluminum-coated steel. All gas piping shall enter the unit cabinet at a single location, through either the side or bottom, without any field modifications. An integrated control board shall provide timed control of evaporator fan functioning and burner ignition. Heating section shall be provided with the following minimum protection:

a. Primary and auxiliary high-temperature limit switches.

b. Induced draft pressure sensor.

c. Flame roll out switch (manual reset).

d. Flame proving controls.

e. All two stage gas units shall have two independent stages of capacity.

Electric heating section (if equipped)

An electric heating section, with nickel chromium elements, shall be provided in a range of 3 through 54KW. The heating section shall have a primary limit control(s) (automatic reset) to prevent the heating element system from operating at an excessive temperature. The Heating Section assembly shall slide out of the unit for easy maintenance and service. Units with Electric Heating Sections shall be wired for a single point power supply with branch circuit fusing (where required).

Unit operating characteristics

Unit shall be capable of starting and running at 125 ºF outdoor temperature, exceeding maximum load criteria of AHRI Standard 340/360. The compressor, with standard controls, shall be capable of operation down to 0 ºF outdoor temperature. Unit shall be provided with fan time delay to prevent cold air delivery before heat exchanger warms up. (Gas heat only)

Electrical requirements - All unit power wiring shall enter unit cabinet at a single factory provided location and be capable of side or bottom entry to minimize roof penetrations and avoid unit field modifications. Separate side and bottom openings shall be provided for the control wiring.

Standard limited warranties - Compressor – 5 Years, Heat Exchanger – 10 Years, Elect. Heat Elem. – 5 Years, Parts – 1 Year

Factory-installed optional outdoor air (Shall be made available by either/or):

- **Dry bulb automatic economizer -** Outdoor and return air dampers that are interlocked and positioned by a fully-modulating, spring-return damper actuator. The maximum leakage rate for the outdoor air intake dampers shall be designed to meet ASHRAE 90.1, AMCA 511 Class 1A damper, and the International Energy Conservation Code (IECC) certification requirements by achieving leakage rates of 3 CFM/sq. ft. at 1 in. of static pressure. Changeover from compressor to economizer operation shall be provided by an integral electronic enthalpy control that feeds input into the basic module. The outdoor intake opening shall be covered with a rain hood that matches the exterior of the unit. Water eliminator/filters shall be provided.

  Simultaneous economizer/compressor operation is also possible. Dampers shall fully close on power loss. Available with barometric relief and power exhaust.
- **Motorized outdoor air dampers -** Outdoor and return air dampers that are interlocked and positioned by a 2- position, spring-return damper actuator. A unit-mounted potentiometer shall be provided to adjust the outdoor and return air damper assembly to take in the design CFM of outdoor air to meet the ventilation requirements of the conditioned space during normal operation. Whenever the indoor fan motor is energized, the dampers open up to one of two pre-selected positions - regardless of the outdoor air enthalpy. Dampers return to the fully closed position when the indoor fan motor is de-energized. Dampers shall fully close on power loss.

Additional factory-installed options

- **MagnaDry dehumidification system-** removes humidity while maintaining comfort cooling.
- **Alternate indoor blower motor** – For applications with high restrictions, units are available with optional indoor blower motors that provide higher static output and/or higher airflow.
- **Convenience outlet (powered or non-powered)**– Unit can be provided with an optional 120VAC GFCI outlet with cover on the corner of the unit housing the compressors.
- **Electric heat** - Electric Heaters range from 3kW to 54kW and are available in all the voltage options of the base unit.
- **Phase monitor** - Designed to prevent damage in out-of-phase condition.
- **Coil guard** - Designed to prevent condenser coil damage.
- **BAS controls hardware** - Include supply air sensor, return air sensor, dirty filter indicator and air proving switch.
- **Dirty filter switch** – This kit includes a differential pressure switch that energizes the fault light on the unit thermostat, indicating that there is an abnormally high-pressure drop across the filters.
- **Breaker** – An HACR breaker can be factory installed on gas heat units or cooling units with electric heat.
- **Disconnect switch** - A disconnect can be factory installed on a cooling only units sized for the largest electric heat available.
- **Stainless steel heat exchanger** – For applications in a corrosive environment, this option provides a full stainless steel heat exchanger assembly.
- **Smoke detector** – A smoke detector can be factory mounted and wired in the supply and/or return air compartments.

Other pre-engineered accessories available

- **Roof curb** - 14 in. and 8 in. high, full perimeter knockdown curb, with hinged design for quick assembly.
- **Barometric relief damper** – (Unit mounted – Downflow, Duct Mounted – Horizontal) – Contains a rain hood, air inlet screen, exhaust damper and mounting hardware. Used to relieve internal air pressure through the unit during economizer operation.
- **Propane conversion kit** – Contains new orifices and gas valve springs to convert from natural to L.P. gas.
- **Economizer** (Downflow and Horizontal flow)
- **Power exhaust** – (Unit mount – Downflow, Duct mount – Horizontal flow)
- **Dual enthalpy kit** - Provides a second input to economizer to monitor return air.

Physical data

KT037-061 physical data

Component	Models							
	KT037		KT049			KT061		
Nominal tonnage	**3.0**		**4.0**			**5.0**		
AHRI cooling performance								
Gross capacity @ AHRI A point (MBh)	38,500		53,000			67,000		
AHRI net capacity (MBh)	37,000		50,000			64,000		
EER2	13.2		13.4			12.8		
SEER2 (208/230 & 460V)	16.6		16.4			15.5		
SEER2 (575V)	15.2		16.4			15.5		
Nominal CFM	1300		1600			1550		
System power (KW)	2.8		3.8			5.0		
Refrigerant type	R-454B		R-454B			R-454B		
Refrigerant charge (lb-oz)								
System 1 (208/230, 460, & 575V)	7-12		10-2			10-14		
Refrigerant charge (lb-oz) with MagnaDry option	9-4		10-14			11-12		
AHRI heating performance								
Heating model	N06	N08	N06	N08	N12	N08	N12	N16
Heat input (K Btu)	60	80	60	80	120	80	120	160
Heat output (K Btu)	49	65	49	65	97	65	97	130
Steady state efficiency (%)	81	81	81	81	81	81	81	81
No. of burners	4	4	4	4	6	4	6	8
No. of stages	2[1]	2[2]	2[1]	2[2]	2[2]	2[2]	2[2]	2[2]
Temperature rise range (ºF)	20-50°F	25-65°F	20-50°F	25-65°F	35-70°F	25-65°F	35-70°F	45-75°F
Gas piping connection (in.)	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
Dimensions (in.)								
Length	89		89			89		
Width	59		59			59		
Height	42		42			42		
Operating weight (lb)	922		960			968		
Operating weight (lb.) with MagnaDry option	870		905			905		
Compressors[3]								
Type	2-stage scroll		2-stage scroll			2-stage scroll		
Quantity	1		1			1		
Unit capacity steps (%)	67/100		67/100			67/100		
Condenser coil data								
Face area (sq. ft.)	12.2		12.2			12.2		
Rows	1		1			1		
Fins per in.	23		23			23		
Tube diameter (in./mm)	.98/25		.98/25			.98/25		
Circuitry type	2-pass Microchannel		2-pass Microchannel			2-pass Microchannel		
Evaporator coil data								
Face area (sq. ft.)	10.56		10.56			10.56		
Rows	3		4			4		
Fins per in.	15		15			15		
Tube diameter	0.375		0.375			0.375		
Refrigerant control	TXV		TXV			TXV		
Reheat option coil data								
Face area (sq. ft.)	7.8		7.8			7.8		
Rows	2		2			2		
Fins per in.	13		13			13		
Tube diameter (in.)	3/8		3/8			3/8		

Component	Models							
	KT037		KT049			KT061		
Nominal tonnage	**3.0**		**4.0**			**5.0**		
Condenser fan data								
Quantity of fans	2		2			2		
Fan diameter (in.)	24		24			24		
Type	Prop		Prop			Prop		
Drive type	Direct ECM		Direct ECM			Direct ECM		
Quantity of motors	2		2			2		
Motor HP each	1/3		1/3			1/3		
No. of speeds	Var.		Var.			Var.		
RPM	850		850			850		
Nominal total CFM	7000		7000			7000		
Belt drive evap. fan data								
Quantity	1		1			1		
Fan size (in.)	12 x 9		12 x 9			12 x 9		
Type	Centrifugal		Centrifugal			Centrifugal		
Motor sheave	1VL40	1VL40	1VL34		1VL44	1VL40		1VM50
Blower sheave	AK79	AK61	AK64		AK69	AK61		AK64
Belt	A47	A45	A47		A47	A45		A47
Motor HP each	1-1/2	1-1/2	1-1/2		1-1/2	1-1/2		2
RPM	1725	1725	1725		1725	1725		1725
Frame size	56	56	56		56	56		56
Filters								
Quantity - size	4 - (24 x 16 x 2)		4 - (24 x 16 x 2)			4 - (24 x 16 x 2)		

1. 1st stage capacity is 75% of full capacity.
2. 1st stage capacity is 70% of full capacity.
3. KT037, KT049, and KT061 have crankcase heaters standard

KT078-150 physical data

Component	Models									
	KT078		KT090		KT102		KT120		KT150	
Nominal tonnage	**6.5**		**7.5**		**8.5**		**10**		**12.5**	
AHRI cooling performance										
Gross capacity @ AHRI A point (Mbh)	78000		93000		107000		122000		148000	
AHRI net capacity (Mbh)	75000		90000		104000		118000		142000	
EER	12.8		13.2		13.2		13.2		12.6	
IEER with Intellispeed	21.2		21.5		21		20.8		20.2	
VAV IEER	20.5		21		20.2		20.2		19.5	
CFM	2700		3000		3400		3300		4150	
System power (kW)	5.9		6.8		7.9		9.0		11.1	
Refrigerant type	R-454B		R-454B		R-454B		R-454B		R-454B	
Refrigerant charge (lb-oz)										
System 1	4-10		6-10		7-6		6-4		9-14	
System 2	4-10		6-8		8-0		6-4		9-6	
Refrigerant charge (lb-oz) Magna Dry option										
System 1	5-8		7-6		8-0		6-8		9-14	
System 2	4-10		6-8		8-0		6-4		9-6	
AHRI heating performance										
Heating model	N12	N18	N12	N18	N12	N18	N18	N24	N18	N24
Heat input (K Btu)	120	180	120	180	120	180	180	240	180	240
Heat output (K Btu)	97	146	97	146	97	146	146	194	146	194
AFUE %	-	-	-	-	-	-	-	-	-	-
Steady state efficiency (%)	81	81	81	81	81	81	81	81	81	81
No. of burners	5	7	5	7	5	7	7	8	7	8
No. of stages	2[1]	2[1]	2[1]	2[1]	2[1]	2[1]	2[1]	2[1]	2[1]	2[1]
Temperature rise range (ºF)	20-50	20-65	20-50	20-65	20-50	20-65	20-65	30-60	20-65	30-60
Gas piping connection (in.)	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
Dimensions (in.)										
Length	119-1/2		119-1/2		119-1/2		119-1/2		119-1/2	
Width	59		59		59		59		59	
Height	50-3/4		50-3/4		50-3/4		50-3/4		50-3/4	
Operating weight (lb)	1282		1283		1284		1460		1478	
Operating weight (lb.) with Magna Dry	1288		1293		1304		1481		1498	
Compressors[2]										
Type	2-stage scroll		2-stage scroll		2-stage scroll		2-stage scroll		2-stage scroll	
Quantity	2		2		2		2		2	
Unit capacity steps (%)	34 / 67 / 100		29 / 57 / 100		34 / 67 / 100		34 / 67 / 100		34 / 67 / 100	
Condenser coil data										
Face area (sq. ft.)	29.0		29.0		29.0		47.5		47.5	
Rows	1		1		2		1		2	
Fins per inch	23		23		23		23		23	
Tube diameter (in.)/MM	.71/18		1.0/25		.71/18		0.71/18		0.71/18	
Circuitry type	2-pass Microchannel		2-pass Microchannel		3-pass Microchannel		2-pass Microchannel		3-pass Microchannel	
Evaporator coil data										
Face area (sq. ft.)	13.2		13.2		13.2		13.2		13.2	
Rows	3		4		4		4		4	
Fins per inch	15		15		15		15		15	
Tube diameter	0.375		0.375		0.375		0.375		0.375	
Circuitry type	Intertwined		Intertwined		Intertwined		Intertwined		Intertwined	
Refrigerant control	TXV		TXV		TXV		TXV		TXV	

Component	Models									
	KT078		KT090		KT102		KT120		KT150	
Nominal tonnage	**6.5**		**7.5**		**8.5**		**10**		**12.5**	
Reheat option coil data										
Face area (sq. ft.)	10		10		10		10		10	
Rows	1		2		2		2		2	
Fins per inch	13		13		13		13		13	
Tube diameter (in.)	3/8		3/8		3/8		3/8		3/8	
Condenser fan data										
Quantity of fans	4		4		4		4		4	
Fan diameter (in.)	24		24		24		24		24	
Type	Prop		Prop		Prop		Prop		Prop	
Drive type	Direct		Direct		Direct		Direct		Direct	
Quantity of motors	4		4		4		4		4	
Motor HP each	1/3		1/3		1/3		1/3		1/3	
No. of speeds	2		2		2		2		2	
1st speed/2nd speed RPM	850/600		850/600		850/700		850/700		900/700	
1st speed/2nd speed total CFM	14000/9500		14000/9500		14000/11000		14000/11000		15000/11000	
Belt drive evap. fan data										
Quantity	1		1		1		1		1	
Fan size (in.)	15 x 15		15 x 15		15 x 15		15 x 15		15 x 15	
Type	Centrifugal		Centrifugal		Centrifugal		Centrifugal		Centrifugal	
Motor sheave	1VL40	1VM50	1VL40	1VM50	1VM50	1VM50	1VM50	1VM50	1VM50	1VP56
Blower sheave	AK74	AK74	AK69	AK69	AK89	AK74	AK84	AK74	AK74	BK77
Belt	A53	A54	A52	A54	A56	A54	A56	A54	A54	BX55
Motor HP each	1-1/2	2	1-1/2	3	2	3	2	3	3	5
RPM	1725	1725	1725	1725	1725	1725	1725	1725	1725	1725
Frame size	56	56	56	56	56	56	56	56	56	184T
Filters										
Quantity - size	4 - (24 x 20 x 2)		4 - (24 x 20 x 2)		4 - (24 x 20 x 2)		4 - (24 x 20 x 2)		4 - (24 x 20 x 2)	

1. 1st stage 60% of 2nd stage
2. KT078, KT090, KT102, KT120, and KT150 have crankcase heaters as standard.

KB078-150 physical data

Component	Models									
	KB078		KB090		KB102		KB120		KB150	
Nominal Tonnage	**6.5**		**7.5**		**8.5**		**10**		**12.5**	
AHRI cooling performance										
Gross Capacity @ AHRI A point (Btu)	82000		92000		103000		121000		145000	
AHRI net capacity (Btu)	80000		89000		100000		117000		142000	
EER	12.6		12.4		12.4		12.4		12.2[1]/12[2]	
IEER with Intellispeed	16.5		16		16		15.8		16.0	
IEER with VAV	16.5		16		15.5		15.8		16.0	
CFM	2400		2400		3000		3200		3300	
System power (KW)	6.2		7.2		7.8		9.4		11.5	
Refrigerant type	R-454B		R-454B		R-454B		R-454B		R-454B	
Refrigerant charge (lb-oz)										
System 1	6-6		6-6		7-2		6-12		8-0	
System 2	6-2		6-8		7-4		6-8		7-14	
Refrigerant charge (lb-oz) with MagnaDry option										
System 1	6-6		7-10		7-6		6-12		8-12	
System 2	6-2		6-8		7-4		6-8		7-14	
AHRI heating performance										
Heating model	N12	N18	N12	N18	N12	N18	N18	N24	N18	N24
Heat input (K Btu)	120	180	120	180	120	180	180	240	180	240
Heat output (K Btu)	97	146	97	146	97	146	146	194	146	194
AFUE %	-	-	-	-	-	-	-	-	-	-
Steady state efficiency (%)	81	81	81	81	81	81	81	81	81	81
No. burners	5	7	5	7	5	7	7	8	7	8
No. stages	2[3]	2[3]	2[3]	2[3]	2[3]	2[3]	2[3]	2[3]	2[3]	2[3]
Temperature Rise Range (ºF)	20-50	20-65	20-50	20-65	20-50	20-65	20-65	30-60	20-65	30-60
Gas piping connection (in.)	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
Dimensions (in.)										
Length	89		89		89		89		119-1/2	
Width	59		59		59		59		59	
Height	50-3/4		50-3/4		50-3/4		50-3/4		50-3/4	
Operating wt. (lb.)	1033		1035		1044		1070		1280	
Operating wt. (lb.) MagnaDry option	1080		1080		1135		1135		1395	
Compressors[4]										
Type	2-Stage Scroll/Scroll		2-Stage Scroll/Scroll		2-Stage Scroll/Scroll		2-Stage Scroll/Scroll		2-Stage Scroll/Scroll	
Quantity	2		2		2		2		2	
Unit Capacity Steps (%)	34/67/100		34/67/100		34/67/100		34/67/100		34/67/100	
Condenser coil data										
Face area (Sq. Ft.)	23.8		23.8		29.0		29.0		47.5	
Rows	1		1		1		1		1	
Fins per inch	23		23		23		23		23	
Tube diameter (in./MM)	1/25		1/25		1/25		1/25		.71/18	
Circuitry Type	2-pass Microchannel		2-pass Microchannel		2-pass Microchannel		2-pass Microchannel		2-pass Microchannel	
Evaporator coil data										
Face area (Sq. Ft.)	13.2		13.2		13.2		13.2		13.2	
Rows	4		4		4		4		4	
Fins per inch	15		15		15		15		15	
Tube diameter	0.375		0.375		0.375		0.375		0.375	
Circuitry Type	Intertwined		Intertwined		Intertwined		Intertwined		Intertwined	
Refrigerant control	TXV		TXV		TXV		TXV		TXV	

Component	Models									
	KB078		KB090		KB102		KB120		KB150	
Nominal Tonnage	**6.5**		**7.5**		**8.5**		**10**		**12.5**	
Reheat option coil data										
Face area (sq. ft.)	10		10		10		10		10	
Rows	2		2		2		2		2	
Fins per inch	13		13		13		13		13	
Tube diameter	3/8		3/8		3/8		3/8		3/8	
Condenser fan data										
Quantity of fans	2		2		2		2		4	
Fan diameter (Inch)	24		24		24		24		24	
Type	Prop		Prop		Prop		Prop		Prop	
Drive type	Direct		Direct		Direct		Direct		Direct	
Quantity of motors	2		2		2		2		4	
Motor HP each	3/4		3/4		3/4		3/4		1/3	
No. speeds	1		1		1		1		1	
RPM	1110		1110		1110		1110		850	
Total CFM	8000		8000		9000		9400		14000	
Belt drive evap fan data										
Quantity	1		1		1		1		1	
Fan Size (Inch)	15 x 15		15 x 15		15 x 15		15 x 15		15 x 15	
Type	Centrifugal		Centrifugal		Centrifugal		Centrifugal		Centrifugal	
Motor Sheave	1VL40	1VM50	1VL40	1VM50	1VM50	1VM50	1VM50	1VM50	1VM50	1VP56
Blower Sheave	AK74	AK74	AK69	AK69	AK89	AK74	AK84	AK74	AK74	BK77
Belt	A53	A54	A52	A54	A56	A54	A56	A54	A54	BX56
Motor HP each	1-1/2	2	1-1/2	3	2	3	2	3	3	5
RPM	1725	1725	1725	1725	1725	1725	1725	1725	1725	1725
Frame size	56	56	56	56	56	56	56	56	56	184T
Filters										
Quantity - Size	4 - (24 x 20 x 2)		4 - (24 x 20 x 2)		4 - (24 x 20 x 2)		4 - (24 x 20 x 2)		4 - (24 x 20 x 2)	

1. Cooling Only Unit or Cooling Unit with Electric Heat
2. Cooling Unit with Gas Heat
3. 1st Stage 60% of 2nd stage
4. KB078 through KB150 have crankcase heaters standard

KT/KB037-150 unit limitations

Size (ton)	Model	Unit voltage	SCCR (kVA)	Unit limitations		
				Applied voltage		Outdoor DB temp.
				Minimum	Maximum	Maximum (°F)
037 (3)	KT	208/230-3-60	5	187	252	125
		460-3-60	5	432	504	125
		575-3-60	5	540	630	125
049 (4)	KT	208/230-3-60	5	187	252	125
		460-3-60	5	432	504	125
		575-3-60	5	540	630	125
061 (5)	KT	208/230-3-60	5	187	252	125
		460-3-60	5	432	504	125
		575-3-60	5	540	630	125
078 (6.5)	KT	208/230-3-60	5	187	252	125
		460-3-60	5	432	504	125
090 (7.5)	KT	208/230-3-60	5	187	252	125
		460-3-60	5	432	504	125
102 (8.5)	KT	208/230-3-60	5	187	252	125
		460-3-60	5	432	504	125
120 (10)	KT	208/230-3-60	5	187	252	125
		460-3-60	5	432	504	125
150 (12.5)	KT	208/230-3-60	5	187	252	125
		460-3-60	5	432	504	125
078 (6.5)	KB	208/230-3-60	5	187	252	125
		460-3-60	5	432	504	125
		575-3-60	5	540	630	125
090 (7.5)	KB	208/230-3-60	5	187	252	125
		460-3-60	5	432	504	125
		575-3-60	5	540	630	125
102 (8.5)	KB	208/230-3-60	5	187	252	125
		460-3-60	5	432	504	125
		575-3-60	5	540	630	125
120 (10)	KB	208/230-3-60	5	187	252	125
		460-3-60	5	432	504	125
		575-3-60	5	540	630	125
150 (12.5)	KB	208/230-3-60	5	187	252	125
		460-3-60	5	432	504	125
		575-3-60	5	540	630	125

Capacity performance

KT037-150 cooling capacities

KT037 (3.0 ton)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
750	77	49.1	1.8	24.5	20.9	17.3	-	-	-	46.7	2.1	23.2	19.6	16.0	-	-	-
	72	44.5	1.8	28.7	24.7	20.7	16.6	-	-	42.1	2.1	27.4	23.4	19.4	15.4	-	-
	67	39.9	1.8	32.9	28.5	24.0	20.3	16.3	-	37.5	2.1	31.6	27.2	22.7	18.9	15.0	-
	62	35.7	1.8	35.7	32.4	27.3	23.7	20.1	16.4	33.7	2.0	33.7	31.0	26.1	22.4	18.6	14.9
900	77	49.7	1.8	26.7	22.0	17.2	-	-	-	47.3	2.1	25.6	20.9	16.1	-	-	-
	72	45.5	1.8	31.3	26.5	21.7	16.8	-	-	43.1	2.1	30.1	25.3	20.5	15.7	-	-
	67	41.3	1.8	34.2	31.0	26.1	21.5	16.6	-	38.9	2.1	32.4	29.7	24.8	20.2	15.4	-
	62	37.9	1.8	34.5	34.5	30.5	25.9	21.3	16.7	35.9	2.1	32.6	32.6	29.2	24.5	19.9	15.3
	57	34.6	1.8	34.6	34.6	34.6	30.4	26.0	21.5	32.9	2.0	32.9	32.9	32.9	29.0	24.4	19.8
1050	77	50.4	1.8	28.9	23.0	17.2	-	-	-	47.9	2.1	28.0	22.1	16.3	-	-	-
	72	46.6	1.8	34.0	28.3	22.7	17.0	-	-	44.0	2.1	32.7	27.2	21.6	16.0	-	-
	67	42.8	1.8	37.2	33.6	28.2	22.6	17.0	-	40.2	2.1	35.7	32.2	26.9	21.4	15.8	-
	62	40.2	1.8	37.5	37.5	33.7	28.1	22.5	17.0	38.1	2.1	35.9	35.9	32.3	26.7	21.2	15.6
	57	37.6	1.8	37.6	37.6	37.6	33.6	28.1	22.6	36.0	2.1	36.0	36.0	36.0	32.1	26.5	21.0
1200	77	51.0	1.9	31.1	24.1	17.1	-	-	-	48.5	2.1	30.3	23.4	16.4	-	-	-
	72	47.6	1.8	36.6	30.1	23.7	17.2	-	-	45.0	2.1	35.4	29.1	22.7	16.4	-	-
	67	44.3	1.8	40.2	36.1	30.2	23.8	17.3	-	41.5	2.1	39.0	34.8	29.1	22.7	16.2	-
	62	42.5	1.8	40.4	40.3	36.8	30.3	23.8	17.3	40.3	2.1	39.1	38.6	35.4	28.9	22.4	16.0
	57	40.6	1.8	40.6	40.6	40.6	36.8	30.3	23.7	39.1	2.1	39.1	39.1	39.1	35.2	28.6	22.1
1350	72	48.7	1.9	39.2	31.9	24.7	17.4	-	-	46.0	2.1	38.1	30.9	23.8	16.7	-	-
	67	45.8	1.8	43.3	38.7	32.3	25.0	17.6	-	42.8	2.1	42.8	37.3	31.2	23.9	16.6	-
	62	44.7	1.8	43.5	42.9	40.0	32.5	25.0	17.5	42.5	2.1	42.5	41.1	38.5	31.1	23.7	16.3
	57	43.7	1.8	43.7	43.7	43.7	40.0	32.5	24.9	42.2	2.1	42.2	42.2	42.2	38.3	30.7	23.2
1500	72	49.7	1.9	41.8	33.7	25.7	17.6	-	-	46.9	2.1	40.7	32.8	24.9	17.1	-	-
	67	47.3	1.9	46.3	41.2	34.4	26.1	17.9	-	44.1	2.1	44.1	39.8	33.3	25.2	17.1	-
	62	47.0	1.9	46.4	45.6	43.1	34.7	26.3	17.8	44.7	2.1	44.7	43.7	41.6	33.3	25.0	16.6
	57	46.7	1.9	46.7	46.7	46.7	43.3	34.6	26.0	45.4	2.1	45.2	45.2	45.2	41.4	32.9	24.3
		95°F								105°F							
750	77	44.2	2.3	21.9	18.3	14.7	-	-	-	41.4	2.6	20.3	16.8	13.4	-	-	-
	72	39.7	2.3	26.1	22.1	18.1	14.1	-	-	36.9	2.6	24.9	20.9	16.9	12.9	-	-
	67	35.2	2.3	30.2	25.8	21.5	17.6	13.7	-	32.4	2.7	29.5	24.9	20.3	16.4	12.5	-
	62	31.6	2.3	31.6	29.5	24.9	21.0	17.2	13.4	30.0	2.6	30.0	28.1	23.8	19.9	16.0	12.1
900	77	44.8	2.3	24.5	19.7	15.0	-	-	-	41.8	2.7	23.2	18.4	13.7	-	-	-
	72	40.6	2.3	28.8	24.1	19.3	14.6	-	-	37.7	2.7	27.5	22.8	18.0	13.3	-	-
	67	36.4	2.3	31.0	28.4	23.6	18.9	14.2	-	33.7	2.7	30.0	27.1	22.4	17.6	12.9	-
	62	33.8	2.3	31.2	31.2	27.9	23.2	18.5	13.8	32.0	2.6	30.1	30.1	26.7	21.9	17.2	12.5
	57	31.3	2.3	31.3	31.3	31.3	27.5	22.8	18.2	30.2	2.6	30.2	30.2	30.2	26.2	21.5	16.8
1050	77	45.5	2.3	27.0	21.2	15.4	-	-	-	42.1	2.7	26.1	20.1	14.0	-	-	-
	72	41.5	2.3	31.5	26.0	20.5	15.1	-	-	38.5	2.7	30.2	24.7	19.2	13.7	-	-
	67	37.5	2.3	34.2	30.9	25.7	20.2	14.7	-	35.0	2.7	32.7	29.3	24.4	18.8	13.3	-
	62	36.0	2.3	34.3	34.3	30.9	25.4	19.8	14.2	33.9	2.6	32.8	32.6	29.5	24.0	18.4	12.9
	57	34.4	2.3	34.4	34.4	34.4	30.5	24.9	19.3	32.9	2.6	32.9	32.9	32.9	29.1	23.5	17.9
1200	77	46.1	2.3	29.5	22.6	15.7	-	-	-	42.5	2.7	29.0	21.7	14.3	-	-	-
	72	42.4	2.3	34.2	28.0	21.8	15.5	-	-	39.4	2.7	32.8	26.6	20.4	14.1	-	-
	67	38.7	2.3	37.4	33.4	27.9	21.5	15.2	-	36.3	2.7	35.4	31.5	26.4	20.1	13.8	-
	62	38.1	2.3	37.5	36.9	34.0	27.5	21.1	14.6	35.9	2.7	35.5	34.9	32.4	26.0	19.6	13.3
	57	37.6	2.3	37.6	37.6	37.6	33.5	27.0	20.4	35.6	2.7	35.6	35.6	35.6	32.0	25.5	19.1
1350	72	43.3	2.3	36.9	30.0	23.0	16.0	-	-	40.2	2.7	35.5	28.5	21.5	14.5	-	-
	67	43.0	2.3	40.6	35.9	30.0	22.8	15.7	-	39.3	2.7	38.0	33.8	28.4	21.3	14.2	-
	62	41.0	2.3	40.7	39.4	37.0	29.7	22.4	15.1	38.6	2.7	38.1	37.2	35.3	28.1	20.9	13.6
	57	40.8	2.3	40.8	40.8	40.8	36.5	29.0	21.5	38.2	2.7	38.2	38.2	38.2	34.8	27.5	20.2
1500	72	44.2	2.4	39.6	31.9	24.2	16.5	-	-	41.0	2.7	38.2	30.4	22.7	14.9	-	-
	67	44.1	2.3	42.2	38.4	32.1	24.2	16.2	-	40.9	2.7	40.0	36.0	30.4	22.5	14.6	-
	62	44.0	2.3	42.3	41.8	40.0	31.8	23.7	15.5	40.9	2.7	40.1	39.5	38.1	30.1	22.1	14.0
	57	44.0	2.3	42.5	42.5	42.5	39.5	31.1	22.7	40.9	2.7	40.1	40.1	40.1	37.7	29.5	21.3

KT037 (3.0 ton) (continued)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
		115°F								125°F							
750	77	38.6	3.0	18.6	15.4	12.2	-	-	-	35.9	3.3	16.9	13.9	10.9	-	-	-
	72	34.1	3.0	23.7	19.7	15.7	11.7	-	-	31.3	3.3	22.5	18.5	14.5	10.5	-	-
	67	29.6	3.0	28.0	24.0	19.2	15.2	11.2	-	26.7	3.4	26.7	23.0	18.1	14.0	10.0	-
	62	28.3	3.0	28.3	26.6	22.7	18.7	14.7	10.8	26.7	3.3	26.7	25.1	21.7	17.6	13.5	9.4
900	77	38.7	3.0	21.9	17.2	12.4	-	-	-	35.6	3.3	20.6	15.9	11.2	-	-	-
	72	34.8	3.0	26.3	21.5	16.8	12.0	-	-	32.0	3.3	25.0	20.3	15.5	10.8	-	-
	67	31.0	3.0	29.0	25.9	21.1	16.3	11.6	-	28.3	3.3	28.3	24.7	19.9	15.1	10.3	-
	62	30.1	3.0	29.1	28.7	25.4	20.7	15.9	11.1	28.3	3.3	28.3	27.0	24.2	19.4	14.6	9.8
	57	29.2	3.0	29.2	29.2	29.2	25.0	20.2	15.4	28.2	3.3	28.2	28.2	28.2	23.7	18.9	14.0
1050	77	38.7	3.0	25.1	18.9	12.7	-	-	-	35.4	3.3	24.2	17.8	11.4	-	-	-
	72	35.6	3.0	28.9	23.4	17.9	12.4	-	-	32.6	3.3	27.5	22.0	16.5	11.0	-	-
	67	32.4	3.0	31.0	27.8	23.0	17.5	12.0	-	29.9	3.3	29.9	26.3	21.6	16.1	10.6	-
	62	31.9	3.0	31.2	30.8	28.1	22.6	17.0	11.5	29.9	3.3	29.9	29.0	26.7	21.2	15.7	10.1
	57	31.4	3.0	31.4	31.4	31.4	27.7	22.1	16.6	29.8	3.3	29.8	29.8	29.8	26.3	20.7	15.2
1200	77	38.8	3.0	28.4	20.7	13.0	-	-	-	35.2	3.3	27.9	19.8	11.7	-	-	-
	72	36.3	3.0	31.5	25.2	19.0	12.7	-	-	33.3	3.3	30.1	23.8	17.5	11.3	-	-
	67	33.9	3.0	33.3	29.7	24.9	18.6	12.3	-	31.5	3.3	31.5	27.9	23.4	17.1	10.9	-
	62	33.7	3.0	33.4	32.9	30.8	24.5	18.2	11.9	31.5	3.3	31.5	30.9	29.3	23.0	16.7	10.5
	57	33.5	3.0	33.5	33.5	33.5	30.4	24.1	17.7	31.4	3.3	31.4	31.4	31.4	28.9	22.6	16.3
1350	72	37.1	3.0	34.1	27.1	20.0	13.0	-	-	34.0	3.3	32.6	25.6	18.6	11.5	-	-
	67	35.9	3.0	35.4	31.6	26.8	19.7	12.7	-	33.0	3.3	33.0	29.5	25.2	18.2	11.2	-
	62	35.8	3.0	35.5	35.0	33.5	26.4	19.3	12.2	33.0	3.3	33.0	32.9	31.8	24.8	17.8	10.8
	57	35.6	3.0	35.6	35.6	35.6	33.2	26.0	18.9	33.1	3.3	33.1	33.1	33.1	31.5	24.5	17.5
1500	72	37.8	3.0	36.7	28.9	21.1	13.4	-	-	34.7	3.3	34.7	27.4	19.6	11.8	-	-
	67	37.9	3.0	37.6	33.5	28.7	20.9	13.0	-	34.6	3.3	34.6	31.1	27.0	19.2	11.4	-
	62	37.9	3.0	37.7	37.2	36.3	28.4	20.5	12.6	34.6	3.3	34.6	34.6	34.4	26.6	18.9	11.2
	57	37.8	3.0	37.8	37.8	37.8	35.9	27.9	20.0	34.7	3.3	34.7	34.7	34.7	34.1	26.4	18.7

1. These capacities are gross ratings. For net capacity, deduct the air blower motor, MBh = 3.415 x kW. Refer to the appropriate blower performance table for the kW of the supply air blower motor.
2. These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

KT049 (4.0 ton)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
1000	77	68.1	2.5	33.7	28.8	24.0	-	-	-	65.3	2.9	31.3	26.8	22.4	-	-	-
	72	61.7	2.5	39.1	33.7	28.4	23.1	-	-	59.0	2.8	37.5	32.3	27.1	21.9	-	-
	67	55.2	2.5	44.5	38.7	32.8	28.0	22.8	-	52.8	2.8	43.7	37.8	31.8	26.8	21.5	-
	62	49.6	2.5	49.6	44.2	37.3	32.6	27.8	23.1	47.4	2.8	47.4	43.2	36.6	31.5	26.3	21.2
1200	77	69.5	2.6	36.8	30.5	24.2	-	-	-	66.2	2.9	35.0	28.8	22.6	-	-	-
	72	63.2	2.5	42.9	36.5	30.0	23.6	-	-	60.3	2.8	41.4	35.0	28.6	22.2	-	-
	67	56.9	2.5	48.1	42.5	35.9	29.8	23.4	-	54.4	2.8	45.8	41.2	34.6	28.4	21.9	-
	62	52.6	2.5	48.3	47.8	41.7	35.7	29.6	23.6	50.2	2.8	45.9	45.9	40.6	34.3	28.0	21.7
	57	48.4	2.5	48.4	48.4	47.6	41.7	35.9	30.0	46.0	2.8	46.0	46.0	46.0	40.4	34.1	27.8
1400	77	71.0	2.6	39.8	32.1	24.4	-	-	-	67.1	2.9	38.8	30.8	22.8	-	-	-
	72	64.8	2.5	46.8	39.2	31.6	24.0	-	-	61.6	2.8	45.2	37.7	30.1	22.6	-	-
	67	58.5	2.5	52.4	46.3	38.9	31.6	24.0	-	56.1	2.8	49.7	44.5	37.4	29.9	22.4	-
	62	55.6	2.5	52.6	51.5	46.2	38.8	31.5	24.1	53.0	2.8	49.8	49.8	44.7	37.2	29.8	22.3
	57	52.7	2.5	52.7	52.7	52.3	46.2	39.0	31.7	49.9	2.8	49.9	49.9	49.9	44.5	37.1	29.7
1600	77	72.5	2.6	42.9	33.7	24.5	-	-	-	68.0	2.9	42.6	32.8	23.0	-	-	-
	72	66.3	2.5	50.6	41.9	33.2	24.5	-	-	62.8	2.8	49.1	40.3	31.6	22.9	-	-
	67	60.2	2.5	57.0	50.1	41.9	33.3	24.6	-	57.7	2.8	53.4	47.9	40.2	31.5	22.8	-
	62	58.6	2.5	57.1	55.2	50.6	42.0	33.3	24.6	55.8	2.8	53.6	53.2	48.7	40.1	31.5	22.9
	57	57.1	2.5	57.1	57.1	57.1	50.7	42.0	33.4	53.8	2.8	53.8	53.8	53.8	48.7	40.2	31.6
1800	72	67.9	2.5	54.5	44.7	34.8	25.0	-	-	64.1	2.9	52.9	43.0	33.1	23.2	-	-
	67	61.8	2.5	60.0	54.0	45.0	35.1	25.2	-	59.4	2.8	57.5	51.2	42.9	33.1	23.2	-
	62	61.6	2.5	60.1	58.8	55.1	45.1	35.1	25.1	58.6	2.8	57.7	56.5	52.8	43.0	33.2	23.4
	57	61.4	2.5	60.3	60.3	60.3	55.1	45.1	35.0	57.8	2.8	57.8	57.8	57.8	52.9	43.2	33.5
2000	72	69.5	2.6	58.3	47.4	36.5	25.5	-	-	65.4	2.9	56.8	45.7	34.6	23.5	-	-
	67	66.0	2.5	63.1	57.8	48.0	36.9	25.8	-	61.0	2.8	61.0	54.6	45.7	34.7	23.7	-
	62	65.9	2.5	63.3	62.5	59.5	48.2	36.9	25.7	61.3	2.8	61.3	59.8	56.8	45.9	34.9	24.0
	57	65.8	2.5	63.4	63.4	63.4	59.6	48.1	36.7	61.7	2.8	61.7	61.7	61.7	57.1	46.2	35.3
		95°F								105°F							
1000	77	62.5	3.2	28.9	24.9	20.8	-	-	-	58.1	3.6	27.1	22.9	18.7	-	-	-
	72	56.4	3.2	35.9	30.9	25.8	20.8	-	-	52.3	3.6	34.2	29.0	23.8	18.6	-	-
	67	50.3	3.1	43.0	36.9	30.8	25.6	20.3	-	46.4	3.6	41.3	35.1	28.9	23.5	18.1	-
	62	45.2	3.1	45.2	42.2	35.9	30.3	24.8	19.3	42.8	3.6	42.8	39.9	33.9	28.4	22.9	17.3
1200	77	62.8	3.2	33.3	27.2	21.1	-	-	-	58.2	3.6	31.5	25.2	18.9	-	-	-
	72	57.4	3.2	39.8	33.5	27.2	20.9	-	-	53.2	3.6	37.9	31.5	25.2	18.8	-	-
	67	51.9	3.1	43.4	39.8	33.4	26.9	20.5	-	48.1	3.6	42.0	37.9	31.4	24.9	18.4	-
	62	47.8	3.1	43.6	43.6	39.5	33.0	26.4	19.9	45.2	3.6	42.2	42.2	37.6	31.0	24.5	17.9
	57	43.7	3.1	43.7	43.7	43.7	39.0	32.3	25.6	42.3	3.6	42.3	42.3	42.3	37.1	30.5	23.8
1400	77	63.1	3.2	37.8	29.5	21.3	-	-	-	58.4	3.6	35.9	27.6	19.2	-	-	-
	72	58.3	3.2	43.7	36.1	28.6	21.1	-	-	54.1	3.6	41.7	34.1	26.6	19.0	-	-
	67	53.6	3.1	47.0	42.7	35.9	28.3	20.8	-	49.8	3.6	45.3	40.7	33.9	26.3	18.8	-
	62	50.4	3.1	47.1	47.1	43.2	35.6	28.0	20.5	47.6	3.6	45.4	45.4	41.3	33.7	26.0	18.4
	57	47.1	3.1	47.1	47.1	47.1	42.9	35.3	27.7	45.5	3.6	45.5	45.5	45.5	41.0	33.3	25.7
1600	77	63.4	3.2	42.2	31.9	21.5	-	-	-	58.5	3.6	40.3	29.9	19.5	-	-	-
	72	59.3	3.2	47.5	38.7	30.0	21.2	-	-	55.0	3.6	45.4	36.7	28.0	19.2	-	-
	67	55.2	3.1	50.4	45.6	38.4	29.7	21.0	-	51.4	3.6	48.4	43.4	36.4	27.8	19.1	-
	62	52.9	3.1	50.5	50.5	46.8	38.3	29.7	21.1	50.1	3.6	48.5	48.5	44.9	36.3	27.6	19.0
	57	50.6	3.1	50.6	50.6	50.6	46.8	38.3	29.8	48.7	3.6	48.7	48.7	48.7	44.8	36.2	27.6
1800	72	60.3	3.2	51.4	41.4	31.3	21.3	-	-	55.9	3.6	49.1	39.2	29.3	19.5	-	-
	67	56.9	3.1	54.0	48.5	40.9	31.1	21.3	-	53.1	3.6	51.5	46.2	39.0	29.2	19.4	-
	62	55.5	3.1	54.1	54.1	50.5	40.9	31.3	21.7	52.5	3.6	51.6	51.4	48.6	38.9	29.2	19.5
	57	54.1	3.1	54.1	54.1	54.1	50.7	41.3	31.9	51.8	3.6	51.8	51.8	51.8	48.6	39.0	29.5
2000	72	61.3	3.2	55.2	44.0	32.7	21.5	-	-	56.8	3.6	52.9	41.8	30.7	19.7	-	-
	67	58.6	3.1	57.3	51.4	43.4	32.5	21.6	-	54.8	3.6	54.4	49.0	41.5	30.6	19.7	-
	62	58.1	3.1	57.5	57.1	54.1	43.5	32.9	22.3	54.7	3.6	54.6	54.3	52.3	41.5	30.8	20.1
	57	57.6	3.1	57.6	57.6	57.6	54.6	44.3	34.0	54.6	3.6	54.6	54.6	54.6	52.5	41.9	31.3

KT049 (4.0 ton) (continued)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		115°F								125°F							
1000	77	53.7	4.1	25.2	20.9	16.6	-	-	-	49.4	4.5	23.3	18.9	14.4	-	-	-
	72	48.2	4.1	32.4	27.1	21.7	16.4	-	-	44.1	4.5	30.6	25.1	19.6	14.2	-	-
	67	42.6	4.0	39.6	33.2	26.9	21.4	16.0	-	38.7	4.5	37.5	31.4	24.9	19.3	13.8	-
	62	40.4	4.0	40.4	37.6	32.0	26.5	20.9	15.4	37.9	4.5	37.9	35.4	30.1	24.5	19.0	13.5
1200	77	53.7	4.1	29.6	23.2	16.8	-	-	-	49.2	4.6	27.8	21.2	14.7	-	-	-
	72	49.0	4.1	36.0	29.6	23.1	16.7	-	-	44.8	4.5	34.1	27.6	21.1	14.5	-	-
	67	44.3	4.0	41.0	35.9	29.4	22.9	16.4	-	40.4	4.5	39.5	34.0	27.4	20.8	14.3	-
	62	42.6	4.0	41.0	40.4	35.7	29.1	22.5	15.9	40.0	4.5	39.6	38.0	33.8	27.1	20.5	13.9
	57	41.0	4.0	41.0	41.0	41.0	35.3	28.6	22.0	39.6	4.5	39.6	39.6	39.6	33.4	26.8	20.1
1400	77	53.7	4.1	34.0	25.6	17.1	-	-	-	49.0	4.6	32.2	23.6	15.0	-	-	-
	72	49.8	4.1	39.6	32.1	24.5	17.0	-	-	45.5	4.5	37.6	30.1	22.5	14.9	-	-
	67	46.0	4.1	43.5	38.6	31.9	24.3	16.7	-	42.1	4.5	42.1	36.5	30.0	22.3	14.7	-
	62	44.9	4.0	43.6	43.2	39.4	31.7	24.0	16.4	42.2	4.5	42.2	40.6	37.4	29.7	22.0	14.3
	57	43.9	4.0	43.9	43.9	43.9	39.1	31.4	23.6	42.2	4.5	42.2	42.2	42.2	37.1	29.4	21.6
1600	77	53.6	4.1	38.5	27.9	17.4	-	-	-	48.8	4.6	36.6	26.0	15.3	-	-	-
	72	50.6	4.1	43.3	34.6	25.9	17.3	-	-	46.3	4.5	41.1	32.5	23.9	15.3	-	-
	67	47.6	4.1	46.5	41.3	34.5	25.8	17.1	-	43.8	4.5	43.8	39.1	32.5	23.8	15.1	-
	62	47.2	4.0	45.6	45.6	43.0	34.3	25.6	16.9	43.7	4.5	43.7	43.3	41.1	32.3	23.6	14.8
	57	46.7	4.0	46.7	46.7	46.7	42.8	34.1	25.3	43.5	4.5	43.5	43.5	43.5	40.9	32.0	23.1
1800	72	51.5	4.1	46.9	37.1	27.4	17.6	-	-	47.0	4.5	44.6	35.0	25.4	15.7	-	-
	67	49.3	4.1	49.3	43.9	37.0	27.3	17.5	-	45.5	4.5	45.5	41.6	35.1	25.3	15.6	-
	62	49.5	4.0	49.5	48.7	46.7	36.9	27.1	17.4	45.4	4.5	45.4	45.4	44.8	34.9	25.1	15.2
	57	49.6	4.0	49.6	49.6	49.6	46.6	36.8	27.0	45.3	4.5	45.3	45.3	45.3	44.6	34.6	24.6
2000	72	52.3	4.1	50.5	39.6	28.8	17.9	-	-	47.8	4.5	47.8	37.5	26.8	16.1	-	-
	67	51.0	4.1	51.0	46.6	39.6	28.7	17.9	-	47.2	4.5	46.4	44.2	37.6	26.8	16.0	-
	62	51.0	4.0	51.0	51.0	50.4	39.5	28.7	17.9	47.1	4.5	46.5	46.5	46.5	37.5	26.6	15.6
	57	51.0	4.0	51.0	51.0	51.0	50.4	39.5	28.7	47.0	4.5	46.6	46.6	46.6	46.6	37.2	26.0

1. These capacities are gross ratings. For net capacity, deduct the air blower motor, MBh = 3.415 x kW. Refer to the appropriate blower performance table for the kW of the supply air blower motor.
2. These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

KT061 (5.0 ton)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
1250	77	96.1	3.2	54.8	45.4	35.9	-	-	-	87.4	3.7	45.9	38.4	30.9	-	-	-
	72	83.6	3.3	55.6	47.3	38.9	30.5	-	-	77.0	3.7	50.5	43.1	35.7	28.3	-	-
	67	71.0	3.3	56.5	49.1	41.8	35.5	28.8	-	66.7	3.8	55.1	47.8	40.5	33.8	27.1	-
	62	63.8	3.3	63.8	55.1	44.8	40.0	35.4	30.8	60.9	3.7	60.9	54.0	45.2	39.2	33.3	27.3
1500	77	87.7	3.6	45.8	37.7	29.7	-	-	-	83.7	3.9	44.1	36.1	28.0	-	-	-
	72	80.4	3.5	53.8	45.6	37.5	29.4	-	-	76.4	3.9	52.0	43.9	35.9	27.9	-	-
	67	73.0	3.4	61.7	53.6	45.4	37.5	29.4	-	69.1	3.8	59.9	51.8	43.8	35.8	27.6	-
	62	67.3	3.3	67.3	60.9	53.2	45.3	37.5	29.7	64.6	3.7	64.6	58.8	51.7	43.5	35.3	27.1
	57	61.7	3.3	61.7	61.7	61.1	53.3	45.6	37.9	60.1	3.7	60.1	60.1	59.6	51.4	43.1	34.8
1750	77	79.3	4.0	36.7	30.1	23.5	-	-	-	80.0	4.1	42.3	33.7	25.1	-	-	-
	72	77.1	3.7	51.9	44.0	36.2	28.3	-	-	75.8	4.0	53.5	44.8	36.2	27.5	-	-
	67	74.9	3.4	67.0	58.0	48.9	39.5	30.0	-	71.6	3.8	64.7	55.9	47.2	37.7	28.1	-
	62	70.9	3.4	70.9	66.7	61.6	50.5	39.6	28.5	68.3	3.8	68.3	63.6	58.2	47.8	37.4	27.0
	57	66.8	3.3	66.8	66.8	66.5	61.7	49.1	36.5	65.0	3.8	65.0	65.0	65.0	58.0	46.7	35.4
2000	77	70.9	4.4	27.7	22.5	17.2	-	-	-	76.2	4.3	40.5	31.4	22.2	-	-	-
	72	73.9	3.9	50.0	42.4	34.8	27.2	-	-	75.2	4.1	55.0	45.7	36.4	27.1	-	-
	67	76.9	3.4	72.3	62.4	52.4	41.6	30.6	-	74.1	3.9	69.5	60.0	50.5	39.6	28.6	-
	62	74.4	3.4	74.4	72.5	70.1	55.8	41.6	27.4	72.0	3.8	71.9	68.4	64.7	52.1	39.5	26.8
	57	72.0	3.4	72.0	72.0	72.0	70.2	52.6	35.1	69.9	3.8	69.9	69.9	69.9	64.6	50.3	36.0
2250	72	70.7	4.1	48.1	40.8	33.5	26.2	-	-	74.6	4.2	56.5	46.6	36.6	26.7	-	-
	67	78.8	3.5	77.6	66.8	56.0	43.6	31.3	-	76.6	3.9	74.2	64.1	53.9	41.5	29.1	-
	62	78.0	3.5	77.9	77.9	77.9	61.1	43.7	26.3	75.7	3.9	75.1	73.2	71.2	56.3	41.5	26.7
	57	77.1	3.5	75.9	75.9	75.9	75.9	56.1	33.7	74.8	3.9	74.8	74.8	74.8	71.2	53.9	36.6
2500	72	67.4	4.3	46.3	39.2	32.1	25.1	-	-	73.9	4.3	58.0	47.4	36.9	26.3	-	-
	67	80.7	3.5	80.7	71.2	59.5	45.7	31.9	-	79.1	3.9	79.0	68.2	57.3	43.5	29.7	-
	62	81.5	3.5	81.3	81.3	81.3	66.3	45.8	25.2	79.4	3.9	78.3	78.0	77.7	60.6	43.6	26.5
	57	82.3	3.5	79.8	79.8	79.8	79.8	59.7	32.3	79.7	3.9	77.7	77.7	77.7	77.7	57.5	37.2
		95°F								105°F							
1250	77	78.7	4.3	37.0	31.4	25.8	-	-	-	74.0	5.0	34.7	29.3	23.9	-	-	-
	72	70.5	4.2	45.3	38.9	32.4	26.0	-	-	66.0	4.9	43.4	36.9	30.3	23.8	-	-
	67	62.3	4.2	53.7	46.4	39.1	32.2	25.3	-	58.1	4.9	52.1	44.4	36.7	30.0	23.2	-
	62	58.0	4.1	58.0	53.0	45.7	38.4	31.1	23.8	55.4	4.8	55.4	50.0	43.1	36.2	29.2	22.2
1500	77	79.6	4.3	42.4	34.4	26.3	-	-	-	74.3	5.0	40.2	32.1	24.1	-	-	-
	72	72.5	4.3	50.2	42.2	34.3	26.3	-	-	67.6	4.9	48.0	40.0	32.0	24.0	-	-
	67	65.3	4.2	58.0	50.1	42.3	34.0	25.7	-	61.0	4.9	55.8	47.9	40.0	31.8	23.5	-
	62	61.9	4.2	61.9	56.7	50.2	41.7	33.1	24.6	58.8	4.9	58.8	53.8	47.9	39.5	31.1	22.6
	57	58.5	4.1	58.5	58.5	58.2	49.4	40.5	31.7	56.7	4.8	56.7	56.7	55.9	47.2	38.6	29.9
1750	77	80.6	4.3	47.9	37.3	26.8	-	-	-	74.6	5.0	45.7	35.0	24.2	-	-	-
	72	74.5	4.3	55.1	45.6	36.1	26.6	-	-	69.2	5.0	52.7	43.2	33.7	24.2	-	-
	67	68.3	4.2	62.3	53.9	45.5	35.8	26.2	-	63.9	4.9	59.6	51.4	43.2	33.5	23.9	-
	62	65.7	4.2	65.7	60.5	54.8	45.0	35.2	25.4	62.2	4.9	62.2	57.6	52.7	42.8	32.9	23.0
	57	63.2	4.2	63.2	63.2	63.2	54.2	44.2	34.3	60.6	4.8	60.6	60.6	60.6	52.1	42.0	31.9
2000	77	81.5	4.3	53.4	40.3	27.3	-	-	-	74.9	5.0	51.2	37.8	24.3	-	-	-
	72	76.4	4.3	60.0	49.0	38.0	26.9	-	-	70.8	5.0	57.3	46.3	35.4	24.5	-	-
	67	71.4	4.3	66.6	57.6	48.6	37.6	26.6	-	66.7	4.9	63.3	54.9	46.5	35.3	24.2	-
	62	69.6	4.2	69.3	64.3	59.3	48.3	37.3	26.2	65.7	4.9	65.2	61.4	57.5	46.2	34.8	23.5
	57	67.8	4.2	67.8	67.8	67.8	59.0	47.9	36.9	64.6	4.9	64.6	64.6	64.6	57.0	45.5	33.9
2250	72	78.4	4.3	64.9	52.3	39.8	27.3	-	-	72.4	5.0	61.9	49.5	37.1	24.7	-	-
	67	74.4	4.3	70.9	61.4	51.8	39.4	27.0	-	69.6	4.9	67.1	58.4	49.7	37.1	24.5	-
	62	73.4	4.3	72.3	68.1	63.9	51.6	39.3	27.1	69.1	4.9	68.0	65.2	62.3	49.5	36.7	23.9
	57	72.5	4.3	72.5	72.5	72.5	63.8	51.6	39.5	68.6	4.9	68.6	68.6	68.6	61.9	48.9	35.9
2500	72	80.4	4.3	69.7	55.7	41.6	27.6	-	-	74.0	5.0	66.5	52.7	38.8	24.9	-	-
	67	77.4	4.3	75.2	65.1	55.0	41.2	27.5	-	72.5	5.0	70.8	61.9	53.0	38.9	24.8	-
	62	77.3	4.3	75.4	71.9	68.4	54.9	41.4	27.9	72.5	4.9	70.8	69.0	67.1	52.9	38.6	24.3
	57	77.2	4.3	75.5	75.5	75.5	68.6	55.3	42.1	72.6	4.9	70.8	70.8	70.8	66.8	52.4	37.9

KT061 (5.0 ton) (continued)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
				Return dry bulb (°F)								Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
		115°F								125°F							
1250	77	69.3	5.6	32.5	27.2	22.0	-	-	-	64.6	6.3	30.2	25.2	20.1	-	-	-
	72	61.6	5.6	41.5	34.8	28.2	21.6	-	-	57.2	6.3	39.6	32.8	26.1	19.3	-	-
	67	53.9	5.6	50.5	42.4	34.4	27.7	21.1	-	49.8	6.3	48.9	40.5	32.1	25.5	19.0	-
	62	52.7	5.5	52.7	47.0	40.6	33.9	27.2	20.6	50.1	6.2	50.1	44.1	38.0	31.7	25.3	19.0
1500	77	69.0	5.7	38.0	29.9	21.8	-	-	-	63.7	6.4	35.8	27.7	19.6	-	-	-
	72	62.8	5.6	45.9	37.8	29.8	21.7	-	-	58.0	6.3	43.7	35.6	27.5	19.4	-	-
	67	56.7	5.6	53.7	45.7	37.7	29.5	21.3	-	52.3	6.3	51.6	43.5	35.4	27.3	19.1	-
	62	55.7	5.6	55.7	50.9	45.6	37.3	29.0	20.6	52.7	6.2	52.5	47.9	43.3	35.1	26.9	18.6
	57	54.8	5.5	54.8	54.8	53.6	45.1	36.6	28.1	53.0	6.2	53.0	52.3	51.3	43.0	34.6	26.3
1750	77	68.7	5.7	43.5	32.6	21.6	-	-	-	62.7	6.4	41.4	30.2	19.0	-	-	-
	72	64.0	5.6	50.2	40.8	31.3	21.8	-	-	58.8	6.3	47.8	38.3	28.9	19.5	-	-
	67	59.4	5.6	56.9	49.0	41.0	31.3	21.5	-	54.9	6.3	54.2	46.5	38.8	29.0	19.2	-
	62	58.8	5.6	58.6	54.7	50.7	40.7	30.7	20.7	55.3	6.2	54.8	51.7	48.7	38.5	28.4	18.3
	57	58.1	5.5	58.1	58.1	58.1	50.1	39.8	29.5	55.6	6.2	55.4	55.4	55.4	48.1	37.6	27.1
2000	77	68.3	5.7	49.1	35.2	21.4	-	-	-	61.7	6.4	46.9	32.7	18.5	-	-	-
	72	65.2	5.7	54.6	43.7	32.9	22.0	-	-	59.6	6.4	51.9	41.1	30.3	19.5	-	-
	67	62.1	5.6	60.1	52.2	44.3	33.0	21.8	-	57.5	6.3	56.9	49.5	42.1	30.7	19.3	-
	62	61.8	5.6	61.2	58.5	55.8	44.1	32.4	20.7	57.8	6.2	57.1	55.5	54.0	42.0	30.0	17.9
	57	61.4	5.5	61.4	61.4	61.4	55.1	43.0	30.9	58.2	6.2	57.4	57.4	57.4	53.2	40.6	27.9
2250	72	66.4	5.7	58.9	46.7	34.4	22.1	-	-	60.4	6.4	56.0	43.9	31.7	19.6	-	-
	67	64.8	5.6	63.3	55.5	47.6	34.8	22.0	-	60.0	6.3	59.5	52.5	45.5	32.5	19.5	-
	62	64.8	5.6	63.7	62.3	60.8	47.5	34.1	20.8	60.4	6.2	59.4	59.4	59.3	45.4	31.5	17.6
	57	64.7	5.6	64.2	64.2	64.2	60.1	46.2	32.3	60.8	6.2	59.4	59.4	59.4	58.3	43.5	28.7
2500	72	67.6	5.7	63.3	49.6	36.0	22.3	-	-	61.2	6.4	60.1	46.6	33.1	19.6	-	-
	67	67.5	5.6	66.5	58.7	50.9	36.6	22.2	-	62.6	6.3	62.2	55.5	48.9	34.2	19.6	-
	62	67.8	5.6	66.3	66.1	65.9	50.9	35.8	20.8	63.0	6.2	61.8	61.8	61.8	48.8	33.0	17.3
	57	68.0	5.6	66.1	66.1	66.1	65.1	49.4	33.7	63.4	6.2	61.4	61.4	61.4	61.4	46.5	29.5

1. These capacities are gross ratings. For net capacity, deduct the air blower motor, MBh = 3.415 x kW. Refer to the appropriate blower performance table for the kW of the supply air blower motor.
2. These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

KT078 (6.5 ton)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
				Return dry bulb (°F)								Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
1625	77	98.1	4.2	47.8	40.9	34.1	-	-	-	94.1	4.7	45.9	38.7	31.4	-	-	-
	72	89.3	4.2	58.5	50.3	42.2	34.0	-	-	85.0	4.7	56.5	48.1	39.6	31.1	-	-
	67	80.6	4.2	69.2	59.7	50.3	41.7	33.5	-	75.8	4.7	67.2	57.5	47.8	39.1	30.7	-
	62	74.3	4.2	74.3	67.3	58.4	48.1	41.2	32.6	71.1	4.7	71.1	64.7	55.9	46.5	38.8	30.2
1950	77	100.2	4.2	54.7	44.8	34.9	-	-	-	95.4	4.7	52.7	42.4	32.1	-	-	-
	72	92.1	4.2	64.6	54.8	44.9	35.0	-	-	87.1	4.7	62.4	52.3	42.2	32.1	-	-
	67	84.0	4.2	73.4	64.7	54.9	44.6	34.6	-	78.9	4.7	71.0	62.1	52.2	41.9	31.7	-
	62	78.8	4.2	73.5	72.5	64.9	53.1	44.1	33.7	75.2	4.7	71.3	69.7	62.2	51.2	41.5	31.1
	57	73.6	4.2	73.6	73.6	73.6	64.2	53.6	42.9	71.5	4.6	71.5	71.5	71.5	61.8	51.2	40.7
2275	77	102.4	4.2	61.7	48.7	35.7	-	-	-	96.6	4.7	59.6	46.2	32.8	-	-	-
	72	94.8	4.2	70.8	59.2	47.6	36.0	-	-	89.3	4.7	68.2	56.5	44.7	33.0	-	-
	67	87.3	4.2	79.0	69.7	59.5	47.5	35.7	-	82.0	4.7	76.3	66.8	56.7	44.6	32.7	-
	62	83.3	4.2	79.2	77.8	71.4	58.1	46.9	34.7	79.3	4.7	76.5	74.6	68.6	55.8	44.2	31.9
	57	79.3	4.2	79.3	79.3	79.3	70.7	58.2	45.7	76.7	4.6	76.7	76.7	76.7	68.0	55.6	43.2
2600	77	104.5	4.2	68.6	52.6	36.5	-	-	-	97.9	4.7	66.4	49.9	33.5	-	-	-
	72	97.6	4.2	77.0	63.6	50.3	37.0	-	-	91.5	4.7	74.1	60.7	47.3	33.9	-	-
	67	90.7	4.2	84.9	74.7	64.1	50.3	36.7	-	85.1	4.7	81.8	71.5	61.1	47.4	33.7	-
	62	87.8	4.2	85.0	83.1	77.9	63.2	49.8	35.8	83.5	4.7	81.9	79.6	74.9	60.5	46.8	32.8
	57	85.0	4.2	85.0	85.0	85.0	77.3	62.9	48.5	81.9	4.6	81.9	81.9	81.9	74.3	60.0	45.6
2925	72	100.3	4.2	83.1	68.1	53.0	38.0	-	-	93.6	4.7	80.0	64.9	49.9	34.9	-	-
	67	94.0	4.2	90.3	79.7	68.7	53.2	37.8	-	88.1	4.7	86.7	76.1	65.5	50.1	34.7	-
	62	92.4	4.2	90.5	88.4	84.4	68.2	52.7	36.8	87.6	4.7	87.0	84.5	81.2	65.2	49.5	33.7
	57	90.7	4.2	90.7	90.7	90.7	83.8	67.5	51.2	87.1	4.7	87.1	87.1	87.1	80.6	64.4	48.1
3250	72	103.1	4.2	89.3	72.5	55.8	39.0	-	-	95.8	4.7	85.8	69.1	52.5	35.8	-	-
	67	97.4	4.2	96.1	84.7	73.3	56.1	38.9	-	91.2	4.7	91.2	80.8	70.0	52.8	35.7	-
	62	96.9	4.2	96.4	93.7	90.9	73.2	55.5	37.8	91.8	4.7	91.3	89.5	87.5	69.9	52.2	34.5
	57	96.4	4.2	96.4	96.4	96.4	90.3	72.2	54.0	92.3	4.7	91.3	91.3	91.3	86.9	68.7	50.6
		95°F								105°F							
1625	77	90.1	5.2	44.0	36.4	28.8	-	-	-	83.7	6.0	41.8	34.3	26.9	-	-	-
	72	80.6	5.2	54.6	45.8	37.0	28.3	-	-	74.6	6.0	52.3	43.5	34.8	26.0	-	-
	67	71.0	5.3	65.2	55.2	45.3	36.6	27.9	-	65.6	6.0	62.8	52.7	42.7	34.1	25.5	-
	62	67.8	5.2	67.8	62.2	53.5	44.9	36.4	27.8	64.0	5.9	64.0	58.5	50.6	42.2	33.7	25.3
1950	77	90.5	5.2	50.7	40.1	29.4	-	-	-	83.8	6.0	48.3	37.7	27.1	-	-	-
	72	82.2	5.2	60.2	49.8	39.5	29.1	-	-	76.1	6.0	57.5	47.2	36.9	26.7	-	-
	67	73.8	5.2	69.2	59.6	49.5	39.2	28.8	-	68.4	5.9	66.2	56.7	46.8	36.5	26.2	-
	62	71.6	5.2	69.3	66.8	59.6	49.2	38.9	28.5	67.4	5.9	66.3	63.0	56.7	46.4	36.1	25.8
	57	69.4	5.1	69.4	69.4	69.4	59.3	48.9	38.5	66.4	5.9	66.4	66.4	66.4	56.2	45.9	35.7
2275	77	90.9	5.2	57.4	43.7	30.0	-	-	-	84.0	6.0	54.9	41.0	27.2	-	-	-
	72	83.8	5.2	65.7	53.8	41.9	30.0	-	-	77.6	6.0	62.6	50.8	39.1	27.3	-	-
	67	76.6	5.2	73.9	63.9	53.8	41.8	29.7	-	71.3	5.9	70.1	60.6	50.9	38.9	27.0	-
	62	75.4	5.2	74.0	71.4	65.7	53.6	41.4	29.2	70.8	5.9	70.2	67.5	62.7	50.6	38.4	26.3
	57	74.1	5.1	74.1	74.1	74.1	65.3	53.0	40.7	70.3	5.9	70.3	70.3	70.3	62.2	49.9	37.6
2600	77	91.2	5.2	64.1	47.3	30.5	-	-	-	84.2	6.0	61.4	44.4	27.4	-	-	-
	72	85.3	5.2	71.2	57.8	44.3	30.8	-	-	79.2	5.9	67.8	54.5	41.2	27.9	-	-
	67	79.4	5.2	78.3	68.2	58.1	44.4	30.6	-	74.2	5.9	74.1	64.6	55.0	41.3	27.7	-
	62	79.1	5.2	78.5	76.1	71.9	57.9	43.9	29.9	74.2	5.9	74.2	72.0	68.8	54.8	40.8	26.8
	57	78.8	5.1	78.8	78.8	78.8	71.4	57.1	42.8	74.3	5.9	74.3	74.3	74.3	68.2	53.9	39.6
2925	72	86.9	5.2	76.8	61.8	46.7	31.7	-	-	80.7	5.9	72.9	58.1	43.3	28.5	-	-
	67	83.9	5.2	82.7	72.5	62.4	46.9	31.5	-	77.0	5.9	77.0	68.5	59.1	43.8	28.4	-
	62	83.7	5.2	83.4	80.7	78.0	62.2	46.4	30.6	77.7	5.9	77.7	76.4	74.8	59.0	43.2	27.3
	57	83.6	5.1	83.6	83.6	83.6	77.4	61.2	45.0	78.3	5.9	78.2	78.2	78.2	74.2	57.9	41.5
3250	72	88.5	5.2	82.3	65.7	49.2	32.6	-	-	82.2	5.9	78.1	61.8	45.5	29.1	-	-
	67	88.4	5.2	85.3	76.9	66.6	49.5	32.4	-	82.2	5.9	80.1	72.4	63.2	46.2	29.2	-
	62	88.3	5.2	85.6	85.3	84.1	66.5	48.9	31.2	82.1	5.9	80.2	80.2	80.2	63.2	45.5	27.8
	57	88.3	5.2	85.9	85.9	85.9	83.4	65.3	47.2	81.5	5.9	80.3	80.3	80.3	80.2	61.9	43.5

KT078 (6.5 ton)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
		115°F								125°F							
1625	77	77.2	6.8	39.6	32.3	24.9	-	-	-	70.7	7.6	37.3	30.2	23.0	-	-	-
	72	68.6	6.7	50.0	41.3	32.5	23.8	-	-	62.7	7.5	47.7	39.0	30.3	21.6	-	-
	67	60.1	6.7	60.1	50.3	40.1	31.6	23.1	-	54.6	7.4	54.6	47.8	37.5	29.1	20.7	-
	62	60.1	6.7	60.1	54.8	47.7	39.4	31.1	22.8	56.3	7.4	56.3	51.1	44.8	36.7	28.5	20.3
1950	77	77.2	6.8	45.9	35.3	24.7	-	-	-	70.5	7.6	43.5	33.0	22.4	-	-	-
	72	70.1	6.7	54.8	44.6	34.4	24.2	-	-	64.0	7.5	52.1	41.9	31.8	21.7	-	-
	67	63.0	6.6	63.0	53.8	44.0	33.8	23.7	-	57.6	7.3	57.6	50.9	41.3	31.2	21.1	-
	62	63.2	6.6	63.2	59.1	53.7	43.5	33.3	23.1	59.0	7.4	59.0	55.3	50.7	40.6	30.5	20.5
	57	63.4	6.6	63.4	63.4	63.4	53.2	43.0	32.8	60.4	7.4	59.2	59.2	59.2	50.1	40.0	29.9
2275	77	77.1	6.7	52.3	38.4	24.5	-	-	-	70.2	7.5	49.7	35.7	21.8	-	-	-
	72	71.5	6.7	59.5	47.9	36.2	24.6	-	-	65.4	7.4	56.5	44.9	33.4	21.9	-	-
	67	66.0	6.6	66.0	57.4	48.0	36.1	24.2	-	64.1	7.3	63.2	54.1	45.0	33.2	21.5	-
	62	66.3	6.6	66.3	63.5	59.7	47.6	35.5	23.5	63.0	7.4	63.5	59.5	56.7	44.6	32.6	20.6
	57	66.6	6.6	66.6	66.6	66.6	59.1	46.8	34.6	62.8	7.4	63.6	63.6	63.6	56.0	43.8	31.5
2600	77	77.1	6.7	58.7	41.5	24.3	-	-	-	70.0	7.4	55.9	38.5	21.1	-	-	-
	72	73.0	6.7	64.3	51.2	38.1	24.9	-	-	66.8	7.4	60.8	47.9	34.9	22.0	-	-
	67	71.0	6.6	69.9	60.9	51.9	38.3	24.8	-	65.5	7.3	65.5	57.2	48.8	35.3	21.9	-
	62	70.0	6.6	69.9	67.8	65.7	51.7	37.7	23.8	65.4	7.3	65.6	63.7	62.6	48.6	34.7	20.7
	57	69.8	6.6	69.9	69.9	69.9	65.1	50.7	36.3	65.3	7.4	65.8	65.8	65.8	61.9	47.5	33.1
2925	72	74.4	6.6	69.1	54.5	39.9	25.3	-	-	68.2	7.3	65.2	50.9	36.5	22.1	-	-
	67	74.0	6.6	72.2	64.5	55.8	40.6	25.3	-	68.0	7.3	68.0	60.4	52.5	37.4	22.2	-
	62	73.3	6.6	72.3	72.2	71.7	55.8	39.9	24.1	67.9	7.3	68.1	68.0	68.1	52.6	36.7	20.9
	57	73.0	6.6	72.4	72.4	72.4	71.0	54.6	38.1	67.7	7.3	68.2	68.2	68.2	67.9	51.2	34.6
3250	72	75.9	6.6	73.9	57.8	41.7	25.7	-	-	69.6	7.3	69.6	53.8	38.0	22.2	-	-
	67	74.8	6.6	74.3	68.0	59.7	42.8	25.9	-	69.7	7.3	69.7	63.6	56.2	39.4	22.6	-
	62	74.7	6.6	74.4	74.4	74.4	59.9	42.2	24.4	69.6	7.3	69.8	69.8	69.8	56.6	38.8	21.0
	57	74.5	6.6	74.5	74.5	74.5	74.5	58.4	39.8	69.6	7.3	70.0	70.0	70.0	70.0	55.0	36.2

1. These capacities are gross ratings. For net capacity, deduct the air blower motor, MBh = 3.415 x kW. Refer to the appropriate blower performance table for the kW of the supply air blower motor.
2. These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

KT090 (7.5 ton)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
1875	77	118.1	4.9	58.9	49.5	40.2	-	-	-	114.7	5.5	56.0	46.8	37.6	-	-	-
	72	107.5	4.9	69.7	59.6	49.6	39.5	-	-	102.7	5.4	67.1	57.0	46.9	36.7	-	-
	67	97.0	4.9	80.5	69.8	59.0	48.6	39.0	-	90.6	5.4	78.2	67.1	56.1	45.9	36.2	-
	62	81.9	4.9	81.9	76.0	68.4	55.5	48.6	38.7	79.7	5.4	81.9	74.2	65.4	54.0	45.7	35.8
2250	77	120.8	4.9	66.4	53.5	40.7	-	-	-	115.7	5.4	63.4	50.6	37.9	-	-	-
	72	110.1	4.9	76.6	64.5	52.4	40.2	-	-	104.6	5.4	73.8	61.7	49.6	37.5	-	-
	67	99.4	4.9	86.9	75.5	64.1	51.7	40.0	-	93.5	5.4	84.2	72.7	61.2	49.0	37.1	-
	62	88.0	4.8	88.0	82.9	75.8	61.4	51.9	39.9	85.1	5.4	88.0	80.6	72.8	59.6	48.8	36.8
	57	76.6	4.8	76.6	76.6	76.6	75.6	63.8	52.0	76.7	5.4	76.6	76.6	76.6	72.5	60.5	48.5
2625	77	123.6	4.9	73.9	57.5	41.1	-	-	-	116.8	5.4	70.7	54.5	38.3	-	-	-
	72	112.7	4.9	83.6	69.4	55.1	40.9	-	-	106.6	5.4	80.5	66.4	52.3	38.2	-	-
	67	101.8	4.8	93.2	81.2	69.1	54.8	40.9	-	96.4	5.4	90.2	78.2	66.3	52.0	38.0	-
	62	94.2	4.8	94.2	89.7	83.1	67.3	55.2	41.2	90.6	5.4	93.1	87.0	80.3	65.2	51.9	37.7
	57	86.5	4.8	86.5	86.5	86.5	83.3	69.4	55.5	84.7	5.4	86.5	86.5	86.5	80.1	65.8	51.6
3000	77	126.3	4.9	81.4	61.5	41.6	-	-	-	117.9	5.4	78.1	58.3	38.6	-	-	-
	72	115.3	4.9	90.5	74.2	57.9	41.6	-	-	108.6	5.4	87.1	71.1	55.0	38.9	-	-
	67	104.3	4.8	99.5	86.9	74.2	57.9	41.9	-	99.3	5.4	96.2	83.8	71.4	55.1	38.9	-
	62	100.3	4.8	100.3	96.6	90.5	73.3	58.4	42.4	96.0	5.4	97.8	93.4	87.8	70.8	55.0	38.7
	57	96.3	4.8	96.3	96.3	96.3	90.9	75.0	59.1	92.7	5.4	96.3	96.3	96.3	87.6	71.1	54.6
3375	72	117.9	4.8	97.4	79.1	60.7	42.3	-	-	110.6	5.4	93.8	75.8	57.7	39.6	-	-
	67	106.7	4.8	105.9	92.6	79.3	61.0	42.8	-	102.2	5.4	102.2	89.3	76.5	58.1	39.8	-
	62	106.4	4.8	106.4	103.4	97.9	79.2	61.7	43.6	101.5	5.4	103.8	99.8	95.2	76.4	58.1	39.6
	57	106.2	4.8	106.2	106.2	106.2	98.5	80.6	62.6	100.8	5.4	104.2	104.2	104.2	95.2	76.4	57.7
3750	72	120.5	4.8	104.3	83.9	63.5	43.0	-	-	112.6	5.4	100.5	80.5	60.4	40.3	-	-
	67	109.2	4.8	109.2	98.3	84.4	64.1	43.8	-	105.1	5.4	108.2	94.9	81.5	61.2	40.8	-
	62	112.6	4.8	112.6	110.3	105.2	85.1	65.0	44.8	107.0	5.4	109.7	106.2	102.7	82.0	61.3	40.5
	57	116.0	4.8	116.0	116.0	116.0	106.1	86.2	66.2	108.8	5.4	111.2	111.2	111.2	102.8	81.7	60.7
		95°F								105°F							
1875	77	111.3	6.0	53.1	44.1	35.0	-	-	-	98.2	6.8	47.9	39.7	31.5	-	-	-
	72	97.8	6.0	64.4	54.3	44.1	34.0	-	-	88.4	6.8	60.9	50.9	41.0	31.0	-	-
	67	84.3	6.0	75.8	64.5	53.3	43.3	33.3	-	78.5	6.8	73.9	62.2	50.4	40.4	30.4	-
	62	77.4	6.0	77.4	72.3	62.4	52.6	42.8	32.9	73.7	6.8	77.4	69.5	59.9	49.9	39.8	29.7
2250	77	112.0	6.0	60.3	47.8	35.2	-	-	-	98.6	6.8	55.9	43.7	31.5	-	-	-
	72	99.1	6.0	70.9	58.8	46.8	34.7	-	-	90.2	6.8	67.3	55.4	43.5	31.6	-	-
	67	87.7	6.0	81.4	69.9	58.3	46.3	34.2	-	81.8	6.8	78.7	67.1	55.5	43.4	31.2	-
	62	82.2	6.0	82.2	78.3	69.9	57.8	45.7	33.6	78.0	6.8	82.2	75.2	67.6	55.2	42.8	30.4
	57	76.8	6.0	76.8	76.8	76.8	69.4	57.3	45.1	74.2	6.8	76.8	76.8	76.8	66.9	54.3	41.7
2625	77	112.5	6.0	67.6	51.5	35.4	-	-	-	99.0	6.8	63.9	47.7	31.5	-	-	-
	72	100.5	6.0	77.3	63.4	49.4	35.4	-	-	92.1	6.8	73.7	59.9	46.0	32.2	-	-
	67	91.0	6.0	87.1	75.3	63.4	49.3	35.1	-	85.2	6.8	83.5	72.0	60.6	46.3	32.1	-
	62	87.0	6.0	87.0	84.2	77.5	63.1	48.7	34.3	82.3	6.8	86.6	80.9	75.2	60.5	45.7	31.0
	57	83.0	6.0	83.0	83.0	83.0	76.9	62.3	47.6	79.4	6.8	83.0	83.0	83.0	74.6	59.4	44.3
3000	77	112.7	6.0	74.8	55.2	35.6	-	-	-	99.4	6.8	71.9	51.7	31.5	-	-	-
	72	101.9	6.0	83.8	67.9	52.0	36.2	-	-	93.9	6.8	80.1	64.3	48.6	32.8	-	-
	67	94.4	6.0	92.8	80.7	68.5	52.2	36.0	-	88.5	6.8	88.3	77.0	65.7	49.3	32.9	-
	62	91.8	6.0	91.8	90.2	85.0	68.3	51.6	34.9	86.6	6.8	90.3	86.6	82.8	65.8	48.7	31.7
	57	89.2	6.0	89.2	89.2	89.2	84.4	67.3	50.2	84.7	6.8	89.2	89.2	89.2	82.2	64.6	46.9
3375	72	103.3	6.0	90.2	72.5	54.7	36.9	-	-	95.8	6.8	86.5	68.8	51.1	33.4	-	-
	67	97.8	6.0	97.8	86.1	73.6	55.2	36.9	-	91.8	6.8	93.1	81.9	70.8	52.2	33.7	-
	62	96.6	6.0	96.6	96.1	92.6	73.6	54.6	35.6	90.9	6.8	94.1	92.3	90.4	71.1	51.7	32.4
	57	95.4	6.0	95.4	95.4	95.4	91.9	72.3	52.7	89.9	6.8	95.1	95.1	95.1	89.9	69.7	49.5
3750	72	104.6	6.0	96.7	77.0	57.3	37.6	-	-	97.7	6.8	92.9	73.3	53.7	34.0	-	-
	67	101.1	6.0	101.1	91.4	78.7	58.2	37.8	-	95.2	6.8	97.9	86.9	75.9	55.2	34.5	-
	62	101.3	6.0	101.3	101.3	100.1	78.8	57.5	36.2	95.1	6.8	97.8	97.8	97.8	76.4	54.7	33.0
	57	101.6	6.0	101.6	101.6	101.6	99.4	77.3	55.2	95.1	6.8	97.8	97.8	97.8	97.6	74.9	52.2

KT090 (7.5 ton) (continued)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
		115°F								125°F							
1875	77	85.2	7.7	42.7	35.3	27.9	-	-	-	72.2	8.6	37.4	30.9	24.4	-	-	-
	72	79.0	7.7	57.3	47.5	37.8	28.0	-	-	69.5	8.5	53.7	44.2	34.6	25.0	-	-
	67	72.7	7.6	72.0	59.8	47.6	37.6	27.5	-	66.9	8.4	70.1	57.4	44.8	34.7	24.6	-
	62	70.1	7.6	70.1	66.6	57.5	47.1	36.8	26.5	66.4	8.4	70.1	63.8	55.0	44.4	33.8	23.2
2250	77	86.6	7.7	51.5	39.6	27.7	-	-	-	74.6	8.5	47.0	35.5	24.0	-	-	-
	72	81.3	7.6	63.7	52.0	40.2	28.5	-	-	72.4	8.5	60.1	48.5	37.0	25.4	-	-
	67	76.0	7.6	75.9	64.3	52.7	40.5	28.3	-	70.2	8.4	73.1	61.5	49.9	37.6	25.3	-
	62	73.8	7.6	73.8	72.1	65.2	52.5	39.8	27.1	69.6	8.4	73.8	68.9	62.8	49.8	36.9	23.9
	57	71.7	7.6	71.7	71.7	71.7	64.5	51.3	38.2	69.1	8.3	71.7	71.7	71.7	62.1	48.4	34.7
2625	77	88.0	7.6	60.3	43.9	27.6	-	-	-	77.0	8.5	56.7	40.2	23.7	-	-	-
	72	83.7	7.6	70.1	56.4	42.7	29.0	-	-	75.2	8.4	66.4	52.9	39.3	25.7	-	-
	67	79.3	7.6	79.3	68.8	57.8	43.4	29.1	-	73.4	8.4	76.2	65.5	54.9	40.5	26.0	-
	62	77.6	7.6	77.6	77.5	72.9	57.9	42.8	27.8	72.9	8.4	77.6	74.1	70.6	55.2	39.9	24.6
	57	75.9	7.6	75.9	75.9	75.9	72.3	56.6	40.9	72.4	8.4	75.9	75.9	75.9	70.0	53.8	37.6
3000	77	89.4	7.6	69.1	48.2	27.4	-	-	-	79.5	8.4	66.3	44.8	23.3	-	-	-
	72	86.0	7.6	76.4	60.8	45.1	29.4	-	-	78.1	8.4	72.8	57.2	41.6	26.1	-	-
	67	82.6	7.6	82.6	73.3	62.8	46.3	29.8	-	76.7	8.4	79.2	69.6	60.0	43.4	26.7	-
	62	81.4	7.6	81.4	81.4	80.6	63.2	45.8	28.5	76.2	8.4	80.2	79.3	78.4	60.7	43.0	25.2
	57	80.2	7.6	80.2	80.2	80.2	80.1	61.9	43.7	75.7	8.4	80.2	80.2	80.2	77.9	59.2	40.4
3375	72	88.4	7.6	82.8	65.2	47.5	29.9	-	-	80.9	8.4	79.1	61.5	44.0	26.4	-	-
	67	85.9	7.6	85.9	77.8	67.9	49.2	30.6	-	80.0	8.4	82.3	73.7	65.1	46.2	27.4	-
	62	85.2	7.6	85.2	85.2	85.2	68.6	48.9	29.1	79.5	8.4	82.8	82.8	82.8	66.1	46.0	25.9
	57	84.4	7.6	84.4	84.4	84.4	84.4	67.1	46.4	79.0	8.4	83.3	83.3	83.3	83.3	64.6	43.2
3750	72	90.7	7.6	89.2	69.6	50.0	30.4	-	-	83.8	8.3	85.4	65.9	46.3	26.8	-	-
	67	89.2	7.6	89.2	82.3	73.0	52.2	31.3	-	83.2	8.3	85.3	77.7	70.1	49.1	28.1	-
	62	88.9	7.6	88.9	88.9	88.9	73.9	51.9	29.8	82.7	8.3	85.4	85.4	85.4	71.5	49.0	26.6
	57	88.7	7.6	88.7	88.7	88.7	88.7	72.4	49.1	82.2	8.4	85.4	85.4	85.4	85.4	70.0	46.1

1. These capacities are gross ratings. For net capacity, deduct the air blower motor, MBh = 3.415 x kW. Refer to the appropriate blower performance table for the kW of the supply air blower motor.
2. These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

KT102 (8.5 ton)

Air on evaporator coil		Temperature of air on condenser coil															
				Sensible capacity (MBh)								Sensible capacity (MBh)					
CFM	WB (°F)	Total capacity[1] (MBh)	Total input (kW)[2]	Return dry bulb (°F)						Total capacity[1] (MBh)	Total input (kW)[2]	Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
2125	77	139.7	5.6	69.2	69.2	69.2	-	-	-	135.4	6.2	65.6	65.6	65.6	-	-	-
	72	127.2	5.5	81.1	81.1	81.1	81.1	-	-	120.6	6.2	77.5	74.5	71.6	68.6	-	-
	67	114.7	5.4	93.0	80.9	68.8	82.8	80.1	-	105.8	6.1	89.4	77.5	65.6	66.7	59.5	-
	62	100.4	5.4	100.4	75.5	45.3	67.4	57.0	62.9	98.2	6.1	100.4	80.3	59.6	64.6	53.4	50.4
2550	77	141.7	5.6	76.2	76.2	76.2	-	-	-	135.8	6.2	73.5	72.5	71.5	-	-	-
	72	129.2	5.5	88.4	88.3	88.2	88.2	-	-	122.3	6.2	85.1	78.2	71.2	64.3	-	-
	67	116.8	5.5	100.6	87.3	73.9	80.7	74.1	-	108.9	6.1	96.7	83.8	70.9	67.3	56.9	-
	62	105.3	5.4	105.3	85.4	59.6	72.8	60.1	60.3	102.9	6.1	102.0	88.4	70.7	70.0	56.5	49.4
	57	93.8	5.4	93.8	83.5	45.3	45.7	46.1	46.4	96.8	6.0	93.8	93.0	70.4	63.2	56.0	48.8
2975	77	143.7	5.6	83.2	83.2	83.2	-	-	-	136.2	6.2	81.4	73.4	65.5	-	-	-
	72	131.3	5.5	95.7	90.0	84.3	78.6	-	-	124.0	6.2	92.7	81.8	70.9	60.0	-	-
	67	119.0	5.5	108.1	93.6	79.1	78.6	68.0	-	111.9	6.2	104.0	90.2	76.3	67.8	54.3	-
	62	110.2	5.4	110.2	95.3	73.9	78.2	63.1	57.7	107.5	6.1	107.0	96.6	81.8	75.5	59.5	48.3
	57	101.5	5.4	101.5	96.3	68.7	63.4	58.2	53.0	103.2	6.1	101.5	101.5	87.2	75.9	64.7	53.4
3400	77	145.6	5.6	90.2	83.3	76.4	-	-	-	136.5	6.3	89.3	74.3	59.4	-	-	-
	72	133.4	5.6	102.9	91.6	80.3	69.0	-	-	125.7	6.2	100.3	85.4	70.5	55.7	-	-
	67	121.1	5.5	115.7	100.0	84.2	76.4	61.9	-	114.9	6.2	111.3	96.5	81.7	68.3	51.6	-
	62	115.1	5.5	115.1	105.2	88.2	83.6	66.1	55.1	112.2	6.1	112.2	104.7	92.8	80.9	62.5	47.3
	57	109.2	5.4	109.2	109.2	92.1	81.2	70.4	59.5	109.5	6.1	109.2	109.2	104.0	88.7	73.3	58.0
3825	72	135.5	5.6	110.2	93.3	76.4	59.4	-	-	127.4	6.2	107.9	89.0	70.2	51.3	-	-
	67	123.3	5.5	123.3	106.3	89.4	74.3	55.9	-	118.0	6.2	116.5	102.9	87.1	68.9	49.0	-
	62	120.0	5.5	120.0	115.1	102.4	89.1	69.2	52.5	116.9	6.2	116.7	112.9	103.9	86.3	65.5	46.2
	57	116.8	5.5	116.8	116.8	115.5	99.0	82.5	66.0	115.8	6.1	116.8	116.8	116.8	101.4	82.0	62.5
4250	72	137.5	5.6	117.4	94.9	72.4	49.9	-	-	129.1	6.2	115.5	92.7	69.8	47.0	-	-
	67	125.4	5.5	125.4	112.7	94.6	72.2	49.8	-	122.1	6.2	120.5	109.2	92.4	69.4	46.3	-
	62	125.0	5.5	125.0	125.0	116.7	94.5	72.2	50.0	121.5	6.2	120.9	120.9	115.0	91.8	68.5	45.2
	57	124.5	5.5	124.5	124.5	124.5	116.8	94.6	72.5	121.0	6.2	121.0	121.0	121.0	114.1	90.6	67.1
		95°F								105°F							
2125	77	131.1	6.8	62.0	50.8	39.5	-	-	-	120.1	7.8	58.2	47.9	37.5	-	-	-
	72	114.0	6.8	73.9	62.4	51.0	39.5	-	-	105.1	7.8	70.8	59.5	48.1	36.8	-	-
	67	96.9	6.8	85.7	74.0	62.4	50.7	38.9	-	90.1	7.7	83.3	71.0	58.8	47.3	35.9	-
	62	95.9	6.7	95.9	85.1	73.8	61.8	49.9	37.9	89.2	7.7	90.4	79.9	69.4	57.8	46.3	34.7
2550	77	131.5	6.9	70.8	55.7	40.5	-	-	-	118.9	7.8	66.8	52.3	37.7	-	-	-
	72	115.4	6.8	81.8	68.0	54.2	40.4	-	-	106.5	7.8	78.1	64.5	51.0	37.4	-	-
	67	100.9	6.8	92.8	80.4	68.0	53.9	39.7	-	94.1	7.8	89.5	76.8	64.2	50.4	36.5	-
	62	100.4	6.8	100.4	91.5	81.7	67.3	52.8	38.4	93.7	7.7	95.1	86.2	77.4	63.3	49.3	35.3
	57	99.9	6.7	99.9	99.9	95.4	80.7	65.9	51.2	93.2	7.7	99.9	95.6	90.6	76.3	62.0	47.8
2975	77	132.0	6.9	79.6	60.5	41.4	-	-	-	117.7	7.9	75.3	56.6	38.0	-	-	-
	72	116.7	6.8	89.7	73.6	57.5	41.4	-	-	107.9	7.8	85.5	69.6	53.8	37.9	-	-
	67	104.8	6.8	99.9	86.7	73.6	57.0	40.5	-	98.5	7.8	95.7	82.6	69.6	53.4	37.2	-
	62	104.8	6.8	104.8	97.9	89.6	72.7	55.8	38.9	98.1	7.7	98.0	92.5	85.3	68.8	52.3	35.8
	57	104.8	6.7	104.8	104.8	104.8	88.4	71.1	53.8	98.1	7.7	98.1	98.1	98.1	84.2	67.4	50.5
3400	77	132.1	6.9	88.3	65.4	42.4	-	-	-	116.5	7.9	83.8	61.0	38.3	-	-	-
	72	118.1	6.9	97.7	79.2	60.8	42.3	-	-	109.2	7.8	92.8	74.7	56.6	38.5	-	-
	67	110.2	6.8	107.0	93.1	79.1	60.2	41.3	-	103.0	7.8	101.9	88.4	75.0	56.4	37.8	-
	62	109.3	6.8	109.3	104.3	97.5	78.2	58.8	39.4	102.5	7.8	102.0	98.9	93.3	74.3	55.3	36.3
	57	109.0	6.8	109.0	109.0	109.0	96.1	76.3	56.4	102.0	7.8	102.0	102.0	102.0	92.2	72.7	53.3
3825	72	119.4	6.9	105.6	84.8	64.0	43.2	-	-	110.6	7.9	100.2	79.8	59.4	39.1	-	-
	67	114.7	6.8	112.7	99.4	84.7	63.4	42.1	-	108.0	7.8	104.5	94.2	80.4	59.4	38.5	-
	62	113.7	6.8	113.7	110.8	105.4	83.6	61.8	39.9	106.9	7.8	106.9	105.2	101.3	79.8	58.3	36.8
	57	112.8	6.8	112.8	112.8	112.8	103.8	81.4	59.1	105.8	7.8	105.8	105.8	105.8	100.1	78.1	56.0
4250	72	120.8	6.9	113.5	90.4	67.3	44.2	-	-	112.8	7.9	107.5	84.9	62.3	39.6	-	-
	67	119.8	6.9	116.6	105.7	90.3	66.6	42.9	-	112.0	7.8	112.0	100.0	85.7	62.4	39.1	-
	62	118.1	6.9	118.1	117.2	113.4	89.1	64.7	40.4	111.3	7.8	111.0	111.0	109.2	85.3	61.3	37.3
	57	117.0	6.9	117.0	117.0	117.0	111.5	86.6	61.7	108.9	7.8	108.9	108.9	108.9	108.1	83.4	58.7

KT102 (8.5 ton)(continued)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		115°F								125°F							
2125	77	105.5	8.8	54.4	44.9	35.4	-	-	-	98.0	9.8	50.6	42.0	33.4	-	-	-
	72	96.2	8.7	67.7	56.5	45.3	34.1	-	-	87.3	9.7	64.6	53.5	42.5	31.4	-	-
	67	83.3	8.7	80.9	68.1	55.2	44.0	32.8	-	76.5	9.6	76.0	65.1	51.6	40.7	29.8	-
	62	82.6	8.7	82.6	74.8	65.0	53.9	42.7	31.6	75.9	9.6	75.9	69.6	60.6	49.9	39.2	28.4
2550	77	106.9	8.8	62.7	48.8	35.0	-	-	-	96.9	9.8	58.6	45.4	32.3	-	-	-
	72	97.6	8.8	74.4	61.1	47.7	34.3	-	-	88.7	9.7	70.8	57.6	44.4	31.2	-	-
	67	87.3	8.7	86.2	73.3	60.4	46.9	33.3	-	80.5	9.6	80.5	69.7	56.6	43.4	30.1	-
	62	86.9	8.7	86.9	81.0	73.0	59.4	45.7	32.1	80.2	9.6	80.2	75.7	68.7	55.5	42.2	28.9
	57	86.6	8.7	86.6	86.6	85.7	71.9	58.2	44.4	80.0	9.7	80.0	80.0	80.0	67.6	54.3	41.0
2975	77	107.1	8.9	71.0	52.8	34.6	-	-	-	95.7	9.9	66.6	48.9	31.1	-	-	-
	72	99.0	8.8	81.2	65.6	50.1	34.5	-	-	90.1	9.8	77.0	61.7	46.4	31.1	-	-
	67	91.5	8.7	91.3	78.5	65.6	49.7	33.8	-	84.7	9.7	87.3	74.4	61.6	46.0	30.5	-
	62	91.5	8.7	91.3	87.2	81.1	64.9	48.8	32.6	84.6	9.7	86.9	81.8	76.8	61.0	45.2	29.5
	57	91.4	8.7	91.4	91.4	91.4	80.1	63.7	47.2	84.5	9.7	86.5	86.5	86.5	76.0	60.0	43.9
3400	77	108.0	8.9	79.2	56.7	34.1	-	-	-	94.6	9.9	74.7	52.3	30.0	-	-	-
	72	100.4	8.8	88.0	70.2	52.5	34.7	-	-	91.5	9.8	83.1	65.7	48.3	30.9	-	-
	67	96.5	8.8	95.2	83.7	70.8	52.6	34.4	-	89.5	9.7	89.5	79.1	66.6	48.7	30.9	-
	62	96.4	8.7	95.7	93.4	89.1	70.4	51.8	33.1	89.0	9.7	89.0	87.9	84.8	66.6	48.3	30.0
	57	96.2	8.7	96.2	96.2	96.2	88.3	69.2	50.1	88.9	9.7	88.9	88.9	88.9	84.4	65.7	46.9
3825	72	101.8	8.9	94.7	74.8	54.8	34.9	-	-	94.2	9.9	89.3	69.8	50.2	30.7	-	-
	67	101.1	8.8	99.2	89.0	76.0	55.4	34.9	-	93.6	9.8	93.6	83.8	71.6	51.4	31.2	-
	62	100.1	8.8	100.1	99.6	97.1	75.9	54.8	33.6	93.3	9.8	93.3	93.3	92.9	72.1	51.3	30.5
	57	99.8	8.8	99.8	99.8	99.8	96.5	74.7	53.0	93.0	9.7	93.0	93.0	93.0	92.8	71.4	49.9
4250	72	105.9	8.9	101.5	79.4	57.2	35.1	-	-	99.0	9.9	95.5	73.8	52.2	30.5	-	-
	67	104.2	8.8	103.2	94.2	81.2	58.3	35.4	-	97.5	9.8	97.0	88.4	76.6	54.1	31.6	-
	62	103.7	8.8	103.4	103.4	103.4	81.5	57.8	34.1	97.0	9.8	97.0	97.0	97.0	77.7	54.3	31.0
	57	103.4	8.8	103.4	103.4	103.4	103.4	80.2	55.8	96.3	9.8	96.3	96.3	96.3	96.3	77.1	52.9

1. These capacities are gross ratings. For net capacity, deduct the air blower motor, MBh = 3.415 x kW. Refer to the appropriate blower performance table for the kW of the supply air blower motor.
2. These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

KT120 (10 ton)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
2500	77	160.7	6.6	78.2	66.1	54.0	-	-	-	153.2	7.3	74.8	62.5	50.2	-	-	-
	72	144.9	6.5	92.9	79.6	66.3	53.0	-	-	137.5	7.2	89.8	76.4	63.1	49.7	-	-
	67	129.1	6.3	107.6	93.1	78.7	65.2	52.7	-	121.8	7.1	104.7	90.3	75.9	62.3	49.3	-
	62	118.3	6.2	118.3	105.0	91.0	75.8	65.8	53.1	112.4	7.1	112.4	101.9	88.7	74.2	62.2	49.0
3000	77	164.1	6.6	87.4	70.3	53.2	-	-	-	155.0	7.3	83.8	66.7	49.5	-	-	-
	72	148.7	6.5	101.7	85.5	69.3	53.1	-	-	140.5	7.2	98.2	82.0	65.8	49.7	-	-
	67	133.4	6.3	116.0	100.8	85.5	68.9	53.2	-	126.0	7.1	112.5	97.3	82.2	65.7	49.6	-
	62	124.6	6.3	124.6	113.6	101.6	83.5	69.5	53.4	118.5	7.1	118.5	109.7	98.5	81.1	65.7	49.4
	57	115.9	6.2	115.9	115.9	115.9	101.8	85.8	69.7	111.0	7.1	111.0	111.0	111.0	98.3	81.9	65.4
3500	77	167.5	6.6	96.6	74.5	52.3	-	-	-	156.8	7.3	92.8	70.8	48.8	-	-	-
	72	152.6	6.5	110.5	91.4	72.3	53.2	-	-	143.5	7.2	106.5	87.6	68.6	49.6	-	-
	67	137.6	6.4	124.5	108.4	92.3	72.6	53.6	-	130.3	7.2	120.3	104.3	88.4	69.0	50.0	-
	62	131.0	6.3	131.0	122.3	112.3	91.2	73.2	53.6	124.7	7.1	124.7	117.5	108.2	88.0	69.2	49.8
	57	124.3	6.3	124.3	124.3	124.3	112.5	92.7	73.0	119.1	7.1	119.1	119.1	119.1	108.3	88.5	68.8
4000	77	170.9	6.6	105.8	78.6	51.5	-	-	-	158.6	7.3	101.8	74.9	48.1	-	-	-
	72	156.4	6.5	119.4	97.3	75.3	53.3	-	-	146.6	7.3	114.9	93.1	71.4	49.6	-	-
	67	141.9	6.4	132.9	116.0	99.1	76.4	54.1	-	134.6	7.2	128.0	111.4	94.7	72.4	50.3	-
	62	137.3	6.4	137.3	130.9	122.9	98.9	76.9	53.9	130.8	7.2	130.8	125.3	118.0	94.8	72.8	50.2
	57	132.7	6.3	132.7	132.7	132.7	123.2	99.7	76.2	127.1	7.2	127.1	127.1	127.1	118.2	95.2	72.2
4500	72	160.2	6.5	128.2	103.2	78.3	53.4	-	-	149.6	7.3	123.3	98.7	74.1	49.6	-	-
	67	146.1	6.4	141.3	123.6	105.9	80.1	54.5	-	138.8	7.2	135.8	118.4	100.9	75.7	50.6	-
	62	143.6	6.4	143.6	139.6	133.6	106.6	80.6	54.1	137.0	7.2	137.0	133.1	127.7	101.7	76.3	50.5
	57	141.1	6.4	141.1	141.1	141.1	134.0	106.7	79.4	135.2	7.2	135.2	135.2	135.2	128.2	101.9	75.6
5000	72	164.0	6.5	137.0	109.1	81.3	53.4	-	-	152.7	7.3	131.6	104.3	76.9	49.5	-	-
	67	150.4	6.4	149.8	131.3	112.8	83.9	55.0	-	143.1	7.2	143.1	125.4	107.2	79.1	51.0	-
	62	149.9	6.4	149.9	148.2	144.2	114.3	84.3	54.4	143.1	7.2	143.1	140.9	137.4	108.6	79.8	50.9
	57	149.5	6.4	149.5	149.5	149.5	144.7	113.7	82.7	143.2	7.3	143.2	143.2	143.2	138.1	108.6	79.0
		95°F								105°F							
2500	77	145.6	8.1	71.4	59.0	46.5	-	-	-	134.8	9.1	66.6	54.4	42.2	-	-	-
	72	130.0	8.0	86.6	73.2	59.8	46.4	-	-	120.8	9.1	82.6	69.1	55.6	42.1	-	-
	67	114.4	7.9	101.9	87.5	73.1	59.5	45.8	-	106.9	9.0	98.6	83.8	69.0	55.3	41.6	-
	62	106.4	7.9	106.4	98.9	86.5	72.6	58.7	44.8	101.6	9.0	101.6	93.7	82.5	68.6	54.7	40.8
3000	77	145.9	8.1	80.2	63.0	45.9	-	-	-	135.0	9.1	76.0	58.8	41.5	-	-	-
	72	132.3	8.0	94.6	78.5	62.4	46.2	-	-	123.0	9.1	90.3	74.2	58.0	41.9	-	-
	67	118.7	7.9	109.0	93.9	78.8	62.4	46.1	-	111.0	9.0	104.5	89.5	74.5	58.1	41.8	-
	62	112.4	7.9	112.4	105.8	95.3	78.7	62.0	45.4	106.8	9.0	106.8	100.3	91.0	74.4	57.8	41.2
	57	106.1	7.9	106.1	106.1	106.1	94.9	78.0	61.1	102.6	9.0	102.6	102.6	102.6	90.6	73.8	57.0
3500	77	146.1	8.1	88.9	67.1	45.3	-	-	-	135.2	9.1	85.5	63.2	40.9	-	-	-
	72	134.5	8.0	102.5	83.7	64.9	46.1	-	-	125.2	9.1	98.0	79.2	60.4	41.7	-	-
	67	123.0	8.0	116.1	100.3	84.5	65.4	46.3	-	115.2	9.1	110.5	95.2	80.0	60.9	41.9	-
	62	118.4	8.0	118.4	112.8	104.1	84.7	65.3	45.9	112.0	9.1	112.0	106.8	99.5	80.2	61.0	41.7
	57	113.8	8.0	113.8	113.8	113.8	104.0	84.3	64.6	108.9	9.1	108.9	108.9	108.9	99.5	80.0	60.5
4000	77	146.3	8.1	97.7	71.2	44.7	-	-	-	135.4	9.1	95.0	67.6	40.3	-	-	-
	72	136.8	8.0	110.4	88.9	67.4	45.9	-	-	127.3	9.1	105.7	84.3	62.9	41.4	-	-
	67	127.2	8.0	123.2	106.7	90.2	68.4	46.5	-	119.3	9.1	116.4	100.9	85.4	63.8	42.1	-
	62	124.4	8.0	124.4	119.7	113.0	90.8	68.6	46.4	117.2	9.1	117.2	113.3	108.0	86.1	64.1	42.1
	57	121.6	8.0	121.6	121.6	121.6	113.2	90.7	68.2	115.2	9.1	115.2	115.2	115.2	108.4	86.2	63.9
4500	72	139.0	8.1	118.4	94.2	70.0	45.8	-	-	129.5	9.1	113.4	89.3	65.3	41.2	-	-
	67	131.5	8.0	130.3	113.1	95.9	71.3	46.7	-	123.4	9.1	122.3	106.6	90.9	66.6	42.2	-
	62	130.4	8.0	130.4	126.6	121.8	96.9	71.9	47.0	122.5	9.1	122.5	119.8	116.6	91.9	67.3	42.6
	57	129.3	8.0	129.3	129.3	129.3	122.4	97.1	71.8	121.5	9.1	121.5	121.5	121.5	117.3	92.3	67.4
5000	72	141.3	8.1	126.3	99.4	72.5	45.6	-	-	131.7	9.1	121.1	94.4	67.7	41.0	-	-
	67	137.0	8.1	135.8	119.5	101.6	74.3	47.0	-	127.8	9.1	127.6	112.3	96.4	69.4	42.3	-
	62	136.4	8.1	136.4	133.6	130.6	102.9	75.2	47.5	127.7	9.2	127.6	126.4	125.1	97.8	70.4	43.1
	57	135.6	8.1	135.6	135.6	135.6	131.6	103.4	75.3	127.6	9.2	127.0	127.0	127.0	126.1	98.5	70.8

KT120 (10 ton) (continued)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
		115°F								125°F							
2500	77	123.9	10.2	61.7	49.8	37.9	-	-	-	113.1	11.3	56.8	45.2	33.6	-	-	-
	72	111.7	10.2	78.5	65.0	51.4	37.8	-	-	102.5	11.3	74.5	60.8	47.2	33.6	-	-
	67	99.4	10.1	95.4	80.1	64.9	51.2	37.4	-	91.8	11.2	91.8	76.5	60.8	47.0	33.2	-
	62	96.8	10.1	96.8	88.6	78.4	64.5	50.6	36.7	91.9	11.3	91.9	83.5	74.4	60.5	46.5	32.6
3000	77	124.1	10.2	71.9	54.5	37.2	-	-	-	113.2	11.3	67.7	50.3	32.9	-	-	-
	72	113.7	10.2	86.0	69.8	53.7	37.5	-	-	104.5	11.3	81.7	65.5	49.4	33.2	-	-
	67	103.4	10.2	100.1	85.1	70.2	53.8	37.5	-	95.7	11.3	95.7	80.8	65.9	49.5	33.2	-
	62	101.2	10.2	101.2	94.7	86.7	70.1	53.6	37.1	95.6	11.3	95.6	89.2	82.4	65.9	49.4	32.9
	57	99.1	10.2	99.1	99.1	99.1	86.4	69.7	53.0	95.5	11.3	95.5	95.5	95.5	82.2	65.6	48.9
3500	77	124.3	10.2	82.1	59.3	36.5	-	-	-	113.4	11.3	78.6	55.4	32.1	-	-	-
	72	115.8	10.2	93.5	74.7	56.0	37.2	-	-	106.5	11.3	88.9	70.2	51.5	32.8	-	-
	67	107.4	10.2	104.9	90.2	75.4	56.5	37.5	-	99.5	11.3	99.3	85.1	70.9	52.0	33.2	-
	62	105.7	10.2	105.7	100.8	94.9	75.7	56.6	37.5	99.3	11.3	99.3	94.9	90.3	71.3	52.2	33.2
	57	104.0	10.2	104.0	104.0	104.0	95.0	75.7	56.3	99.0	11.3	99.0	99.0	99.0	90.5	71.3	52.1
4000	77	124.5	10.2	92.2	64.0	35.8	-	-	-	113.5	11.3	89.5	60.5	31.4	-	-	-
	72	117.9	10.2	100.9	79.6	58.3	36.9	-	-	108.5	11.3	96.2	74.9	53.7	32.4	-	-
	67	111.3	10.2	109.6	95.2	80.7	59.1	37.6	-	103.4	11.3	102.8	89.4	75.9	54.5	33.1	-
	62	110.1	10.2	110.1	106.9	103.1	81.4	59.6	37.8	103.0	11.3	102.9	100.6	98.2	76.6	55.1	33.5
	57	108.9	10.2	108.9	108.9	108.9	103.6	81.6	59.6	102.5	11.3	102.5	102.5	102.5	98.7	77.0	55.4
4500	72	120.0	10.2	108.4	84.5	60.6	36.6	-	-	110.5	11.3	103.4	79.6	55.8	32.1	-	-
	67	115.3	10.2	114.4	100.2	85.9	61.8	37.7	-	107.3	11.3	106.4	93.7	81.0	57.0	33.1	-
	62	114.6	10.2	114.6	113.0	111.3	87.0	62.6	38.2	106.6	11.3	106.4	106.3	106.1	82.0	57.9	33.9
	57	113.8	10.2	113.8	113.8	113.8	112.1	87.5	63.0	106.0	11.3	106.0	106.0	106.0	106.0	82.8	58.6
5000	72	122.1	10.2	115.9	89.4	62.8	36.3	-	-	112.5	11.3	110.7	84.3	58.0	31.7	-	-
	67	119.3	10.2	119.1	105.2	91.2	64.5	37.7	-	111.1	11.3	110.0	98.0	86.0	59.5	33.1	-
	62	119.0	10.3	118.8	118.8	118.8	92.6	65.6	38.6	110.3	11.4	109.9	109.9	109.9	87.4	60.8	34.2
	57	118.7	10.3	118.4	118.4	118.4	118.4	93.5	66.3	109.5	11.4	109.5	109.5	109.5	109.5	88.5	61.8

1. These capacities are gross ratings. For net capacity, deduct the air blower motor, MBh = 3.415 x kW. Refer to the appropriate blower performance table for the kW of the supply air blower motor.
2. These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

KT150 (12.5 ton)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
3125	77	198.0	7.8	100.2	84.2	68.2	-	-	-	188.9	8.7	95.5	76.0	56.5	-	-	-
	72	177.8	7.7	117.0	100.0	83.0	65.9	-	-	169.1	8.6	112.8	94.1	75.4	56.8	-	-
	67	157.6	7.5	133.9	115.8	97.8	80.5	63.8	-	149.3	8.4	130.1	112.2	94.4	76.8	59.5	-
	62	144.0	7.5	144.0	130.2	112.6	93.2	78.7	61.7	141.0	8.4	141.0	128.1	113.3	95.9	81.0	64.8
3750	77	199.7	7.8	107.4	87.4	67.3	-	-	-	189.2	8.7	103.3	80.5	57.7	-	-	-
	72	180.8	7.7	125.1	105.4	85.8	66.1	-	-	171.5	8.6	120.9	100.0	79.1	58.2	-	-
	67	162.0	7.6	138.7	123.5	104.2	84.2	64.6	-	153.8	8.5	138.4	119.4	100.4	80.3	60.4	-
	62	150.5	7.5	139.0	138.7	122.6	100.8	82.8	62.9	146.6	8.4	139.3	135.4	121.8	101.7	83.5	64.4
	57	139.1	7.4	139.1	139.1	139.1	121.0	101.0	81.0	139.5	8.4	139.5	139.5	139.5	124.9	106.6	88.4
4375	77	201.4	7.9	114.7	90.6	66.5	-	-	-	189.5	8.8	111.2	85.1	59.0	-	-	-
	72	183.9	7.7	133.2	110.9	88.5	66.2	-	-	173.9	8.6	128.9	105.8	82.7	59.6	-	-
	67	166.3	7.6	147.3	131.2	110.6	87.8	65.4	-	158.3	8.5	146.1	126.6	106.5	83.8	61.3	-
	62	157.0	7.5	147.4	147.2	132.7	108.4	86.9	64.0	152.3	8.4	146.2	142.8	130.3	107.4	86.1	63.9
	57	147.7	7.5	147.7	147.7	147.7	131.6	108.5	85.3	146.3	8.4	146.3	146.3	146.3	132.4	110.8	89.2
5000	77	203.1	7.9	121.9	93.8	65.6	-	-	-	189.8	8.8	119.0	89.6	60.2	-	-	-
	72	186.9	7.8	141.3	116.3	91.3	66.3	-	-	176.4	8.6	137.0	111.7	86.4	61.1	-	-
	67	170.7	7.6	156.0	138.9	117.0	91.5	66.2	-	162.9	8.5	153.0	133.8	112.6	87.3	62.2	-
	62	163.5	7.6	156.3	155.7	142.7	115.9	91.0	65.2	158.0	8.5	153.2	150.1	138.8	113.2	88.6	63.5
	57	156.4	7.5	156.4	156.4	156.4	142.2	115.9	89.6	153.2	8.4	153.2	153.2	153.2	140.0	115.0	90.0
5500	72	193.0	7.8	157.5	127.2	96.9	66.6	-	-	181.2	8.7	153.1	123.4	93.7	63.9	-	-
	67	179.5	7.7	173.4	154.2	129.9	98.8	67.8	-	172.0	8.5	166.7	148.2	124.7	94.3	63.9	-
	62	176.5	7.6	173.5	172.8	162.9	131.1	99.3	67.5	169.4	8.5	166.8	164.8	155.8	124.7	93.7	62.6
	57	173.6	7.6	173.6	173.6	173.6	163.3	130.8	98.2	166.9	8.5	166.9	166.9	166.9	155.1	123.4	91.7
		95°F								105°F							
3125	77	179.8	9.6	90.8	67.8	44.9	-	-	-	166.9	10.9	85.1	64.9	44.7	-	-	-
	72	160.3	9.5	108.6	88.2	67.9	47.6	-	-	149.0	10.7	103.6	84.6	65.5	46.4	-	-
	67	140.9	9.3	126.3	108.6	90.9	73.1	55.3	-	131.0	10.6	122.1	104.2	86.3	68.7	51.0	-
	62	137.9	9.3	137.9	126.1	114.0	98.6	83.3	67.9	130.0	10.6	130.0	119.0	107.0	90.9	74.7	58.5
3750	77	178.7	9.6	99.2	73.7	48.2	-	-	-	166.1	10.9	94.4	70.7	46.9	-	-	-
	72	162.2	9.5	116.6	94.5	72.4	50.3	-	-	150.9	10.7	111.6	90.5	69.3	48.2	-	-
	67	145.6	9.4	134.0	115.3	96.7	76.5	56.2	-	135.7	10.6	128.7	110.3	91.8	71.8	51.8	-
	62	142.8	9.3	139.5	132.2	120.9	102.6	84.2	65.9	134.6	10.6	133.2	125.1	114.3	95.3	76.4	57.5
	57	139.9	9.3	139.9	139.9	139.9	128.7	112.2	95.8	133.5	10.6	133.5	133.5	133.5	118.9	101.1	83.3
4375	77	177.6	9.6	107.7	79.5	51.4	-	-	-	165.3	10.9	103.8	76.4	49.0	-	-	-
	72	164.0	9.5	124.6	100.8	76.9	53.1	-	-	152.9	10.7	119.6	96.4	73.2	50.0	-	-
	67	150.3	9.4	141.6	122.0	102.4	79.8	57.2	-	140.4	10.6	135.4	116.4	97.3	74.9	52.5	-
	62	147.6	9.3	144.8	138.3	127.9	106.5	85.2	63.8	139.2	10.6	137.8	131.1	121.5	99.8	78.2	56.5
	57	145.0	9.3	145.0	145.0	145.0	133.3	113.2	93.1	138.0	10.6	138.0	138.0	138.0	124.7	103.8	82.9
5000	77	176.6	9.7	116.1	85.4	54.7	-	-	-	164.5	10.9	113.1	82.1	51.2	-	-	-
	72	165.8	9.5	132.7	107.1	81.4	55.8	-	-	154.8	10.8	127.5	102.3	77.0	51.8	-	-
	67	155.0	9.4	149.3	128.7	108.1	83.1	58.2	-	145.1	10.6	142.0	122.4	102.9	78.0	53.2	-
	62	152.5	9.4	149.8	144.5	134.8	110.5	86.1	61.8	143.8	10.6	142.3	137.2	128.7	104.3	79.9	55.5
	57	150.0	9.4	150.0	150.0	150.0	137.8	114.1	90.4	142.5	10.6	142.5	142.5	142.5	130.5	106.6	82.6
5500	72	169.4	9.6	148.8	119.6	90.4	61.3	-	-	158.7	10.8	143.5	114.1	84.7	55.4	-	-
	67	164.4	9.4	160.0	142.1	119.6	89.8	60.1	-	154.5	10.6	151.0	134.6	113.9	84.3	54.7	-
	62	162.3	9.4	160.1	156.7	148.7	118.4	88.1	57.7	153.0	10.7	151.3	149.4	143.1	113.2	83.3	53.4
	57	160.2	9.4	160.2	160.2	160.2	147.0	116.0	85.1	151.5	10.7	151.5	151.5	151.5	142.2	112.0	81.8

KT150 (12.5 ton) (continued)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
				Return dry bulb (°F)								Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
		115°F								125°F							
3125	77	154.0	12.1	79.4	62.0	44.6	-	-	-	141.2	13.4	73.8	59.1	44.4	-	-	-
	72	137.6	12.0	98.7	80.9	63.1	45.3	-	-	126.2	13.3	93.7	77.2	60.7	44.1	-	-
	67	123.0	11.9	117.9	99.8	81.6	64.2	46.8	-	114.8	13.1	113.7	95.3	76.9	59.7	42.6	-
	62	122.2	11.8	122.2	111.9	100.1	83.1	66.1	49.1	114.3	13.1	114.3	104.8	93.2	75.4	57.5	39.7
3750	77	153.5	12.1	89.7	67.6	45.6	-	-	-	140.9	13.3	84.9	64.6	44.3	-	-	-
	72	139.7	12.0	106.6	86.4	66.3	46.1	-	-	128.4	13.2	101.6	82.4	63.2	44.0	-	-
	67	127.4	11.9	123.5	105.2	86.9	67.1	47.3	-	121.0	13.1	118.3	100.2	82.1	62.4	42.8	-
	62	127.2	11.8	127.0	117.9	107.6	88.1	68.6	49.1	120.9	13.1	120.6	110.8	100.9	80.9	60.8	40.8
	57	127.1	11.8	127.1	127.1	127.1	109.1	90.0	70.8	120.8	13.1	120.8	120.8	119.8	99.3	78.8	58.3
4375	77	152.9	12.1	99.9	73.3	46.7	-	-	-	140.6	13.3	96.0	70.1	44.3	-	-	-
	72	141.7	12.0	114.5	92.0	69.5	47.0	-	-	130.6	13.2	109.4	87.6	65.7	43.9	-	-
	67	131.3	11.9	129.1	110.7	92.3	70.0	47.8	-	124.3	13.2	122.9	105.0	87.2	65.1	43.1	-
	62	131.2	11.9	131.0	123.9	115.1	93.1	71.1	49.1	124.2	13.1	124.2	116.8	108.7	86.4	64.1	41.8
	57	131.1	11.8	131.1	131.1	131.1	116.2	94.5	72.7	124.1	13.1	124.1	124.1	124.1	107.6	85.1	62.6
5000	77	152.4	12.1	110.1	78.9	47.7	-	-	-	140.3	13.3	107.1	75.6	44.2	-	-	-
	72	143.8	12.0	122.4	97.5	72.7	47.8	-	-	132.8	13.2	117.3	92.8	68.3	43.8	-	-
	67	135.2	11.9	134.7	116.2	97.6	72.9	48.3	-	127.8	13.2	127.4	109.9	92.4	67.9	43.3	-
	62	135.1	11.9	135.1	130.0	122.6	98.1	73.6	49.1	127.6	13.2	127.6	122.7	116.5	91.9	67.4	42.8
	57	135.0	11.9	135.0	135.0	135.0	123.2	99.0	74.7	127.5	13.1	127.5	127.5	127.5	116.0	91.4	66.8
5500	72	147.9	12.0	138.2	108.6	79.1	49.5	-	-	137.2	13.2	132.9	103.2	73.4	43.6	-	-
	67	144.6	11.9	144.6	127.1	108.3	78.8	49.3	-	134.7	13.2	134.7	119.6	102.7	73.3	43.9	-
	62	143.8	11.9	143.8	142.0	137.6	108.1	78.6	49.1	134.5	13.2	134.5	134.5	132.0	102.9	73.9	44.9
	57	142.9	12.0	142.9	142.9	142.9	137.4	108.0	78.5	134.2	13.2	134.2	134.2	134.2	132.6	103.9	75.3

1. These capacities are gross ratings. For net capacity, deduct the air blower motor, MBh = 3.415 x kW. Refer to the appropriate blower performance table for the kW of the supply air blower motor.
2. These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

KT037 (3.0 ton) reheat

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
				Return dry bulb (°F)								Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
		35°F								45°F							
750	77	32.3	1.5	11.1	8.9	6.7	-	-	-	33.7	1.6	8.5	6.5	4.6	-	-	-
	72	32.5	1.4	15.9	13.8	11.6	9.4	-	-	32.2	1.5	13.4	11.4	9.4	7.4	-	-
	67	32.8	1.3	20.8	18.6	16.4	14.2	12.1	-	30.7	1.5	18.3	16.3	14.3	12.3	10.3	-
	62	33.6	1.2	25.5	23.1	20.9	18.7	16.5	14.4	28.9	1.4	23.1	21.0	19.0	17.0	15.0	13.0
900	77	32.2	1.5	12.3	9.9	7.5	-	-	-	34.1	1.6	9.5	7.3	5.1	-	-	-
	72	32.5	1.4	17.7	15.4	13.0	10.7	-	-	32.6	1.5	14.9	12.7	10.5	8.3	-	-
	67	32.8	1.4	23.2	20.9	18.5	16.1	13.8	-	31.1	1.5	20.3	18.1	15.9	13.7	11.5	-
	62	33.7	1.2	28.3	26.0	23.6	21.2	18.9	16.5	29.3	1.4	25.5	23.3	21.1	18.9	16.7	14.5
	57	31.3	1.2	31.3	28.0	25.6	23.3	20.9	18.5	26.8	1.3	26.8	25.2	23.0	20.8	18.6	16.4
1050	77	32.1	1.5	13.4	10.9	8.3	-	-	-	34.6	1.6	10.4	8.0	5.6	-	-	-
	72	32.5	1.5	19.6	17.0	14.5	11.9	-	-	33.1	1.5	16.3	13.9	11.5	9.1	-	-
	67	32.8	1.4	25.7	23.2	20.6	18.1	15.5	-	31.5	1.5	22.3	19.9	17.5	15.0	12.6	-
	62	33.8	1.3	31.1	28.8	26.3	23.8	21.2	18.7	29.7	1.4	27.8	25.6	23.2	20.7	18.3	15.9
	57	31.4	1.2	31.4	29.8	28.6	26.0	23.5	20.9	27.2	1.3	27.2	26.4	25.3	22.9	20.4	18.0
1200	77	32.0	1.6	14.6	11.9	9.1	-	-	-	35.1	1.6	11.3	8.7	6.1	-	-	-
	72	32.4	1.5	21.4	18.7	15.9	13.2	-	-	33.5	1.6	17.8	15.2	12.5	9.9	-	-
	67	32.8	1.4	28.2	25.4	22.7	20.0	17.2	-	32.0	1.5	24.3	21.7	19.0	16.4	13.8	-
	62	33.9	1.3	33.9	31.7	29.0	26.3	23.5	20.8	30.1	1.4	30.1	27.9	25.3	22.6	20.0	17.4
	57	31.5	1.2	31.5	31.5	31.5	28.8	26.0	23.3	27.6	1.3	27.6	27.6	27.6	24.9	22.3	19.7
1350	72	32.2	1.5	20.9	18.3	15.8	13.2	-	-	33.8	1.6	18.4	15.7	12.9	10.2	-	-
	67	32.6	1.4	27.4	24.9	22.3	19.7	17.2	-	32.2	1.5	25.1	22.4	19.6	16.9	14.2	-
	62	33.8	1.3	33.8	31.7	28.4	25.8	23.2	20.7	30.4	1.4	30.4	28.8	26.1	23.3	20.6	17.9
	57	31.4	1.2	31.4	31.4	31.4	28.8	26.2	23.7	27.8	1.3	27.8	27.8	27.8	25.0	22.3	19.6
1500	72	31.9	1.6	20.4	18.0	15.6	13.2	-	-	34.0	1.6	18.9	16.1	13.3	10.5	-	-
	67	32.4	1.5	26.7	24.3	21.9	19.5	17.1	-	32.5	1.5	25.8	23.0	20.2	17.4	14.6	-
	62	33.6	1.4	33.6	31.7	27.7	25.3	22.9	20.5	30.6	1.4	30.6	29.7	26.8	24.0	21.2	18.4
	57	31.3	1.3	31.3	31.3	31.3	28.9	26.5	24.1	28.0	1.4	28.0	28.0	28.0	25.2	22.4	19.6
		55°F								65°F							
750	77	35.1	1.7	6.0	4.2	2.4	-	-	-	33.9	1.9	1.6	0.2	-1.1	-	-	-
	72	31.8	1.7	10.9	9.1	7.3	5.5	-	-	29.5	1.8	6.7	5.3	4.0	2.6	-	-
	67	28.6	1.6	15.8	14.0	12.2	10.4	8.6	-	25.0	1.7	11.8	10.5	9.1	7.8	6.4	-
	62	24.3	1.5	20.8	18.9	17.1	15.3	13.5	11.7	20.5	1.6	17.0	15.4	14.0	12.7	11.3	10.0
900	77	36.1	1.7	6.7	4.6	2.6	-	-	-	33.8	1.9	1.8	0.3	-1.2	-	-	-
	72	32.8	1.6	12.0	10.0	7.9	5.9	-	-	29.4	1.8	7.4	5.8	4.3	2.8	-	-
	67	29.4	1.6	17.3	15.3	13.3	11.2	9.2	-	25.0	1.7	12.9	11.4	9.9	8.4	6.8	-
	62	25.0	1.5	22.6	20.6	18.6	16.5	14.5	12.4	20.6	1.6	18.2	16.7	15.2	13.7	12.1	10.6
	57	22.4	1.5	22.4	22.4	20.4	18.3	16.3	14.2	18.7	1.6	18.3	17.8	16.3	14.8	13.2	11.7
1050	77	37.1	1.7	7.4	5.1	2.8	-	-	-	33.7	1.9	2.1	0.4	-1.3	-	-	-
	72	33.7	1.6	13.1	10.8	8.6	6.3	-	-	29.4	1.8	8.0	6.3	4.7	3.0	-	-
	67	30.3	1.6	18.9	16.6	14.3	12.0	9.7	-	25.0	1.7	14.0	12.3	10.6	8.9	7.3	-
	62	25.7	1.5	24.5	22.3	20.0	17.7	15.5	13.2	20.6	1.6	19.4	18.0	16.3	14.6	13.0	11.3
	57	23.0	1.5	23.0	23.0	22.0	19.7	17.4	15.1	18.7	1.6	18.5	18.2	17.5	15.8	14.1	12.5
1200	77	38.1	1.7	8.0	5.5	3.0	-	-	-	33.6	1.9	2.3	0.5	-1.3	-	-	-
	72	34.6	1.6	14.2	11.7	9.2	6.7	-	-	29.3	1.8	8.7	6.9	5.0	3.2	-	-
	67	31.1	1.6	20.4	17.9	15.4	12.8	10.3	-	25.0	1.7	15.0	13.2	11.4	9.5	7.7	-
	62	26.4	1.5	26.4	24.0	21.5	19.0	16.5	13.9	20.6	1.6	20.6	19.3	17.4	15.6	13.8	11.9
	57	23.6	1.5	23.6	23.6	23.6	21.1	18.6	16.0	18.7	1.6	18.7	18.7	18.7	16.9	15.0	13.2
1350	72	35.4	1.6	15.9	13.0	10.1	7.3	-	-	29.7	1.8	9.7	7.6	5.5	3.5	-	-
	67	31.8	1.5	22.7	19.9	17.0	14.1	11.2	-	25.4	1.7	16.8	14.7	12.7	10.6	8.5	-
	62	27.0	1.5	27.0	25.8	23.8	20.9	18.0	15.1	20.9	1.6	20.9	20.3	19.0	16.9	14.8	12.7
	57	24.2	1.5	24.2	24.2	24.2	21.3	18.4	15.6	19.0	1.6	19.0	19.0	19.0	16.9	14.8	12.8
1500	72	36.2	1.6	17.5	14.3	11.1	7.9	-	-	30.2	1.8	10.7	8.4	6.1	3.7	-	-
	67	32.5	1.5	25.0	21.8	18.6	15.4	12.2	-	25.8	1.7	18.6	16.3	14.0	11.6	9.3	-
	62	27.6	1.5	27.6	27.6	26.0	22.8	19.6	16.4	21.3	1.6	21.3	21.3	20.5	18.1	15.8	13.5
	57	24.7	1.4	24.7	24.7	24.7	21.5	18.3	15.1	19.3	1.6	19.3	19.3	19.3	17.0	14.6	12.3

KT037 (3.0 ton) reheat (continued)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
750	77	32.8	2.0	-2.9	-3.8	-4.7	-	-	-	31.6	2.1	-7.3	-7.7	-8.2	-	-	-
	72	27.1	1.9	2.5	1.6	0.7	-0.2	-	-	24.7	2.0	-1.7	-2.2	-2.6	-3.1	-	-
	67	21.4	1.8	7.9	6.9	6.0	5.1	4.2	-	17.9	2.0	3.9	3.4	3.0	2.5	2.1	-
	62	16.8	1.8	13.2	11.9	11.0	10.1	9.2	8.3	13.0	1.9	9.4	8.4	8.0	7.5	7.0	6.6
900	77	31.5	2.0	-3.0	-4.0	-5.0	-	-	-	29.2	2.1	-7.9	-8.3	-8.8	-	-	-
	72	26.1	1.9	2.7	1.7	0.7	-0.2	-	-	22.7	2.0	-1.9	-2.4	-2.8	-3.3	-	-
	67	20.6	1.8	8.5	7.5	6.5	5.5	4.5	-	16.2	2.0	4.0	3.5	3.1	2.6	2.2	-
	62	16.1	1.8	13.8	12.8	11.8	10.8	9.8	8.8	11.7	1.9	9.3	8.9	8.4	7.9	7.5	7.0
	57	15.0	1.8	14.2	13.2	12.2	11.2	10.2	9.2	11.3	1.9	10.0	8.6	8.1	7.6	7.2	6.7
1050	77	30.3	2.0	-3.2	-4.3	-5.3	-	-	-	26.9	2.1	-8.5	-8.9	-9.4	-	-	-
	72	25.0	1.9	2.9	1.9	0.8	-0.3	-	-	20.7	2.0	-2.2	-2.6	-3.1	-3.5	-	-
	67	19.8	1.8	9.1	8.0	6.9	5.9	4.8	-	14.6	2.0	4.1	3.7	3.2	2.8	2.3	-
	62	15.5	1.8	14.3	13.6	12.6	11.5	10.4	9.4	10.4	1.9	9.2	9.3	8.9	8.4	7.9	7.5
	57	14.4	1.8	14.0	13.5	13.0	11.9	10.9	9.8	10.1	1.9	9.5	8.7	8.5	8.1	7.6	7.1
1200	77	29.0	2.0	-3.4	-4.5	-5.7	-	-	-	24.5	2.1	-9.1	-9.5	-10.0	-	-	-
	72	24.0	1.9	3.1	2.0	0.8	-0.3	-	-	18.7	2.1	-2.4	-2.9	-3.3	-3.8	-	-
	67	19.0	1.8	9.7	8.5	7.4	6.2	5.1	-	12.9	2.0	4.3	3.8	3.3	2.9	2.4	-
	62	14.9	1.8	14.9	14.5	13.4	12.2	11.1	9.9	9.1	1.9	9.1	9.1	9.1	8.9	8.4	7.9
	57	13.8	1.8	13.8	13.8	13.8	12.7	11.5	10.4	8.9	1.9	8.9	8.9	8.9	8.5	8.0	7.6
1350	72	24.1	1.9	3.6	2.3	1.0	-0.3	-	-	18.4	2.0	-2.6	-3.1	-3.6	-4.2	-	-
	67	19.0	1.8	10.9	9.6	8.3	7.0	5.7	-	12.7	2.0	5.1	4.5	4.0	3.5	3.0	-
	62	14.9	1.8	14.9	14.7	14.2	12.9	11.6	10.3	8.9	1.9	8.9	8.9	8.9	8.8	8.3	7.8
	57	13.9	1.8	13.9	13.9	13.9	12.6	11.3	10.0	8.7	1.9	8.7	8.7	8.7	8.2	7.7	7.2
1500	72	24.1	1.9	4.0	2.5	1.1	-0.4	-	-	18.1	2.0	-2.8	-3.4	-3.9	-4.5	-	-
	67	19.1	1.8	12.2	10.8	9.3	7.9	6.4	-	12.4	2.0	5.9	5.3	4.7	4.1	3.5	-
	62	14.9	1.8	14.9	14.9	14.9	13.5	12.0	10.6	8.6	1.9	8.6	8.6	8.6	8.6	8.3	7.7
	57	13.9	1.8	13.9	13.9	13.9	12.4	11.0	9.5	8.5	1.9	8.5	8.5	8.5	7.9	7.3	6.8

1. These capacities are gross ratings. For net capacity, deduct the air blower motor, MBh = 3.415 x kW. Refer to the appropriate blower performance table for the kW of the supply air blower motor.
2. These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

KT049 (4.0 ton) reheat

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
				Return dry bulb (°F)								Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
		35°F								45°F							
1000	77	64.9	2.0	10.2	8.1	6.0	-	-	-	61.4	2.3	9.3	7.3	5.3	-	-	-
	72	51.0	2.2	14.6	12.5	10.3	8.2	-	-	49.5	2.3	13.7	11.7	9.7	7.6	-	-
	67	37.1	2.3	19.0	16.8	14.7	12.6	10.4	-	37.7	2.3	18.1	16.1	14.1	12.0	10.0	-
	62	35.0	2.3	23.5	22.1	19.9	17.8	15.7	13.6	32.5	2.4	22.9	20.9	18.9	16.8	14.8	12.8
1200	77	60.8	2.1	9.6	7.8	6.0	-	-	-	59.4	2.3	9.7	7.6	5.6	-	-	-
	72	47.7	2.2	13.9	12.1	10.2	8.4	-	-	48.0	2.3	14.4	12.3	10.2	8.2	-	-
	67	34.6	2.3	18.1	16.3	14.5	12.7	10.9	-	36.5	2.4	19.0	17.0	14.9	12.8	10.8	-
	62	32.9	2.4	23.3	21.5	19.7	17.9	16.1	14.3	31.4	2.4	24.1	22.1	20.0	17.9	15.9	13.8
	57	24.1	2.5	23.6	21.8	19.9	18.1	16.3	14.5	26.0	2.4	25.2	23.1	21.1	19.0	16.9	14.8
1400	77	56.7	2.1	8.9	7.5	6.0	-	-	-	57.5	2.3	10.1	8.0	5.9	-	-	-
	72	44.4	2.3	13.1	11.6	10.1	8.7	-	-	46.4	2.4	15.1	12.9	10.8	8.7	-	-
	67	32.0	2.4	17.3	15.8	14.3	12.8	11.3	-	35.3	2.4	20.0	17.9	15.7	13.6	11.5	-
	62	30.7	2.4	23.1	21.0	19.5	18.0	16.5	15.0	30.4	2.4	25.4	23.3	21.1	19.0	16.9	14.8
	57	22.3	2.6	22.0	21.1	19.6	18.1	16.6	15.1	25.2	2.5	24.8	23.7	22.3	20.1	18.0	15.9
1600	77	52.6	2.2	8.3	7.1	6.0	-	-	-	55.6	2.3	10.6	8.4	6.2	-	-	-
	72	41.0	2.3	12.4	11.2	10.0	8.9	-	-	44.9	2.4	15.7	13.6	11.4	9.2	-	-
	67	29.5	2.5	16.4	15.3	14.1	13.0	11.8	-	34.1	2.4	20.9	18.8	16.6	14.4	12.3	-
	62	28.5	2.5	23.0	20.4	19.2	18.1	16.9	15.8	29.4	2.4	26.6	24.5	22.3	20.1	17.9	15.8
	57	20.4	2.6	20.4	20.4	19.3	18.1	16.9	15.8	24.4	2.5	24.4	24.4	23.5	21.3	19.1	16.9
1800	72	41.0	2.3	13.2	12.0	10.8	9.6	-	-	46.1	2.4	17.3	14.9	12.5	10.2	-	-
	67	29.3	2.5	17.6	16.4	15.2	14.0	12.8	-	35.1	2.4	23.0	20.7	18.3	15.9	13.5	-
	62	28.5	2.5	25.8	22.8	20.8	19.6	18.4	17.2	30.2	2.4	28.8	26.9	24.5	22.1	19.7	17.3
	57	20.3	2.6	20.3	20.3	19.7	18.5	17.3	16.1	25.0	2.5	25.0	25.0	24.6	22.2	19.8	17.4
2000	72	40.9	2.3	14.1	12.9	11.6	10.4	-	-	47.3	2.4	18.9	16.3	13.7	11.1	-	-
	67	29.2	2.5	18.8	17.6	16.3	15.1	13.9	-	36.0	2.4	25.1	22.5	19.9	17.3	14.7	-
	62	28.6	2.5	28.6	25.3	22.3	21.0	19.8	18.6	31.0	2.4	31.0	29.4	26.7	24.1	21.5	18.9
	57	20.2	2.6	20.2	20.2	20.2	18.9	17.7	16.4	25.7	2.5	25.7	25.7	25.7	23.1	20.5	17.8
		55°F								65°F							
1000	77	57.8	2.5	8.4	6.4	4.5	-	-	-	51.8	2.6	5.2	3.5	1.8	-	-	-
	72	48.0	2.4	12.8	10.9	9.0	7.0	-	-	43.7	2.6	10.2	8.5	6.8	5.1	-	-
	67	38.2	2.4	17.2	15.3	13.4	11.5	9.6	-	35.5	2.5	15.3	13.6	11.9	10.2	8.4	-
	62	29.9	2.4	22.3	19.7	17.8	15.9	13.9	12.0	28.6	2.5	20.8	18.5	16.8	15.0	13.3	11.6
1200	77	58.1	2.5	9.8	7.5	5.2	-	-	-	52.2	2.6	6.2	4.1	2.0	-	-	-
	72	48.2	2.4	14.9	12.6	10.2	7.9	-	-	44.0	2.6	12.1	10.0	7.8	5.7	-	-
	67	38.4	2.4	20.0	17.6	15.3	13.0	10.6	-	35.8	2.5	17.9	15.8	13.7	11.6	9.5	-
	62	30.0	2.4	25.0	22.6	20.3	18.0	15.6	13.3	28.8	2.5	23.6	21.5	19.4	17.2	15.1	13.0
	57	28.0	2.4	26.8	24.5	22.2	19.8	17.5	15.2	27.6	2.5	25.7	23.6	21.5	19.4	17.3	15.1
1400	77	58.3	2.5	11.3	8.6	5.8	-	-	-	52.6	2.6	7.2	4.7	2.2	-	-	-
	72	48.4	2.4	17.0	14.3	11.5	8.7	-	-	44.4	2.6	13.9	11.4	8.9	6.4	-	-
	67	38.6	2.4	22.7	19.9	17.2	14.4	11.7	-	36.1	2.5	20.6	18.1	15.5	13.0	10.5	-
	62	30.2	2.4	27.6	25.6	22.8	20.1	17.3	14.5	29.0	2.5	26.4	24.5	22.0	19.5	17.0	14.4
	57	28.2	2.4	27.6	26.4	24.9	22.2	19.4	16.6	27.8	2.5	26.9	25.8	24.4	21.9	19.4	16.9
1600	77	58.6	2.5	12.8	9.6	6.4	-	-	-	53.1	2.6	8.3	5.4	2.4	-	-	-
	72	48.7	2.4	19.1	15.9	12.8	9.6	-	-	44.7	2.6	15.7	12.8	9.9	7.0	-	-
	67	38.7	2.4	25.4	22.3	19.1	15.9	12.7	-	36.4	2.5	23.2	20.3	17.4	14.5	11.6	-
	62	30.3	2.4	30.3	28.5	25.3	22.1	19.0	15.8	29.3	2.5	29.3	27.5	24.6	21.7	18.8	15.9
	57	28.3	2.4	28.3	28.3	27.7	24.5	21.3	18.1	28.0	2.5	28.0	28.0	27.3	24.4	21.5	18.6
1800	72	51.2	2.4	21.4	17.8	14.2	10.7	-	-	46.4	2.6	17.7	14.4	11.1	7.8	-	-
	67	40.8	2.4	28.5	24.9	21.3	17.7	14.1	-	37.7	2.5	26.1	22.8	19.5	16.2	12.9	-
	62	31.9	2.4	31.9	31.0	28.3	24.7	21.1	17.5	30.3	2.5	30.3	29.4	27.4	24.1	20.9	17.6
	57	29.7	2.4	29.7	29.7	29.4	25.9	22.3	18.7	29.0	2.5	29.0	29.0	28.7	25.4	22.1	18.8
2000	72	53.7	2.4	23.7	19.7	15.7	11.7	-	-	48.1	2.6	19.6	16.0	12.3	8.6	-	-
	67	42.8	2.4	31.5	27.5	23.5	19.5	15.5	-	39.1	2.5	28.9	25.3	21.6	17.9	14.3	-
	62	33.4	2.4	33.4	33.4	31.2	27.2	23.2	19.2	31.4	2.5	31.4	31.4	30.3	26.6	22.9	19.3
	57	31.2	2.4	31.2	31.2	31.2	27.2	23.2	19.2	30.0	2.5	30.0	30.0	30.0	26.4	22.7	19.1

KT049 (4.0 ton) reheat (continued)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
1000	77	45.9	2.8	2.0	0.5	-1.0	-	-	-	39.9	2.9	-1.2	-2.5	-3.8	-	-	-
	72	39.4	2.7	7.7	6.2	4.7	3.1	-	-	35.1	2.8	5.2	3.8	2.5	1.2	-	-
	67	32.9	2.6	13.4	11.9	10.3	8.8	7.3	-	30.2	2.7	11.5	10.1	8.8	7.5	6.2	-
	62	27.2	2.5	19.2	17.2	15.7	14.2	12.7	11.2	25.9	2.6	17.7	16.0	14.7	13.4	12.1	10.7
1200	77	46.4	2.8	2.6	0.7	-1.2	-	-	-	40.6	2.9	-1.1	-2.7	-4.4	-	-	-
	72	39.9	2.7	9.2	7.4	5.5	3.6	-	-	35.7	2.8	6.4	4.7	3.1	1.4	-	-
	67	33.3	2.6	15.9	14.0	12.1	10.2	8.3	-	30.7	2.7	13.9	12.2	10.5	8.9	7.2	-
	62	27.6	2.6	22.2	20.3	18.4	16.5	14.6	12.8	26.3	2.6	20.8	19.2	17.5	15.8	14.2	12.5
	57	27.1	2.5	24.6	22.7	20.8	18.9	17.0	15.1	26.7	2.6	23.5	21.8	20.1	18.5	16.8	15.1
1400	77	47.0	2.8	3.1	0.9	-1.4	-	-	-	41.3	3.0	-0.9	-3.0	-5.0	-	-	-
	72	40.3	2.7	10.8	8.5	6.3	4.0	-	-	36.3	2.9	7.7	5.7	3.6	1.6	-	-
	67	33.7	2.6	18.4	16.2	13.9	11.6	9.4	-	31.2	2.8	16.3	14.3	12.3	10.2	8.2	-
	62	27.9	2.6	25.2	23.4	21.1	18.9	16.6	14.3	26.7	2.7	24.0	22.3	20.3	18.3	16.3	14.3
	57	27.4	2.5	26.2	25.2	23.9	21.6	19.3	17.1	27.1	2.6	25.5	24.6	23.3	21.3	19.3	17.3
1600	77	47.5	2.8	3.7	1.1	-1.6	-	-	-	42.0	3.0	-0.8	-3.2	-5.6	-	-	-
	72	40.8	2.7	12.3	9.7	7.1	4.4	-	-	36.8	2.9	8.9	6.6	4.2	1.9	-	-
	67	34.1	2.6	20.9	18.3	15.7	13.0	10.4	-	31.7	2.8	18.7	16.3	14.0	11.6	9.3	-
	62	28.2	2.6	28.2	26.5	23.8	21.2	18.6	15.9	27.2	2.7	27.2	25.4	23.1	20.7	18.4	16.0
	57	27.7	2.6	27.7	27.7	26.9	24.3	21.7	19.0	27.5	2.6	27.5	27.5	26.5	24.2	21.8	19.5
1800	72	41.6	2.7	13.9	11.0	8.0	5.0	-	-	36.8	2.9	10.2	7.5	4.8	2.2	-	-
	67	34.7	2.6	23.7	20.7	17.7	14.7	11.7	-	31.7	2.8	21.3	18.6	15.9	13.2	10.5	-
	62	28.8	2.6	28.8	27.9	26.6	23.6	20.6	17.6	27.2	2.7	27.2	26.4	25.8	23.1	20.4	17.7
	57	28.3	2.5	28.3	28.3	27.9	24.9	21.9	18.9	27.6	2.6	27.6	27.6	27.1	24.4	21.8	19.1
2000	72	42.4	2.7	15.6	12.2	8.9	5.5	-	-	36.8	2.9	11.5	8.5	5.5	2.5	-	-
	67	35.4	2.6	26.4	23.1	19.7	16.4	13.0	-	31.8	2.8	23.9	20.8	17.8	14.8	11.8	-
	62	29.4	2.6	29.4	29.4	29.4	26.0	22.7	19.3	27.3	2.7	27.3	27.3	27.3	25.4	22.4	19.4
	57	28.9	2.5	28.9	28.9	28.9	25.5	22.2	18.9	27.7	2.6	27.7	27.7	27.7	24.7	21.7	18.7

1. These capacities are gross ratings. For net capacity, deduct the air blower motor, MBh = 3.415 x kW. Refer to the appropriate blower performance table for the kW of the supply air blower motor.
2. These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

KT061 (5.0 ton) reheat

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		35°F								45°F							
1250	77	55.8	2.9	2.5	0.7	-1.0	-	-	-	55.1	3.2	3.8	1.9	-0.1	-	-	-
	72	49.1	3.1	9.0	7.3	5.5	3.8	-	-	49.7	3.1	11.0	9.0	7.1	5.2	-	-
	67	42.5	3.2	15.6	13.8	12.1	10.3	8.5	-	44.3	3.1	18.1	16.2	14.3	12.3	10.4	-
	62	40.4	3.1	25.5	23.7	22.0	20.2	18.5	16.7	36.7	3.1	24.6	22.7	20.7	18.8	16.8	14.9
1500	77	52.0	2.9	2.1	0.4	-1.2	-	-	-	54.5	3.1	4.3	2.1	-0.1	-	-	-
	72	45.6	3.0	8.9	7.3	5.6	4.0	-	-	49.2	3.1	12.3	10.1	8.0	5.8	-	-
	67	39.3	3.1	15.8	14.2	12.5	10.9	9.2	-	43.8	3.1	20.3	18.2	16.0	13.9	11.7	-
	62	38.0	3.1	26.8	25.1	23.5	21.8	20.2	18.5	36.3	3.1	27.6	25.4	23.3	21.1	18.9	16.8
	57	34.5	3.2	30.0	28.3	26.7	25.0	23.4	21.7	33.1	3.1	30.4	28.3	26.1	24.0	21.8	19.6
1750	77	48.2	2.8	1.7	0.1	-1.4	-	-	-	53.9	3.1	4.7	2.3	-0.1	-	-	-
	72	42.1	3.0	8.8	7.3	5.8	4.2	-	-	48.6	3.1	13.6	11.2	8.8	6.5	-	-
	67	36.1	3.1	16.0	14.5	13.0	11.4	9.9	-	43.3	3.0	22.5	20.1	17.8	15.4	13.0	-
	62	35.6	3.0	28.0	26.5	24.9	23.4	21.9	20.3	35.9	3.1	30.6	28.2	25.8	23.4	21.0	18.7
	57	32.3	3.1	30.0	29.2	28.4	26.8	25.3	23.8	32.7	3.1	31.4	30.3	29.0	26.6	24.2	21.8
2000	77	44.4	2.8	1.3	-0.2	-1.6	-	-	-	53.2	3.1	5.1	2.5	-0.1	-	-	-
	72	38.6	2.9	8.8	7.3	5.9	4.5	-	-	48.0	3.0	14.9	12.3	9.7	7.1	-	-
	67	32.9	3.0	16.2	14.8	13.4	12.0	10.6	-	42.8	3.0	24.7	22.1	19.5	16.9	14.3	-
	62	33.2	3.0	29.3	27.8	26.4	25.0	23.6	22.2	35.5	3.0	33.5	30.9	28.3	25.7	23.1	20.5
	57	30.1	3.1	30.1	30.1	30.1	28.7	27.3	25.8	32.3	3.1	32.3	32.3	31.8	29.2	26.6	24.0
2250	72	39.0	2.9	9.9	8.3	6.7	5.1	-	-	48.6	3.0	16.6	13.7	10.8	8.0	-	-
	67	33.2	3.0	18.3	16.8	15.2	13.6	12.0	-	43.3	3.0	27.5	24.6	21.8	18.9	16.0	-
	62	33.6	3.0	31.6	30.9	29.7	28.2	26.6	25.0	35.9	3.0	34.9	33.6	31.6	28.7	25.8	23.0
	57	30.4	3.1	30.4	30.4	30.4	28.8	27.3	25.7	32.7	3.1	32.7	32.7	32.4	29.6	26.7	23.8
2500	72	39.4	2.9	11.0	9.3	7.5	5.8	-	-	49.2	3.0	18.3	15.1	12.0	8.8	-	-
	67	33.6	3.0	20.4	18.7	17.0	15.2	13.5	-	43.8	3.0	30.3	27.2	24.0	20.8	17.7	-
	62	33.9	3.0	33.9	33.9	33.1	31.3	29.6	27.9	36.4	3.0	36.4	36.4	34.9	31.7	28.5	25.4
	57	30.8	3.1	30.8	30.8	30.8	29.0	27.3	25.6	33.1	3.1	33.1	33.1	33.1	29.9	26.7	23.6
		55°F								65°F							
1250	77	54.4	3.4	5.1	3.0	0.9	-	-	-	52.3	3.5	2.0	0.4	-1.1	-	-	-
	72	50.3	3.2	12.9	10.8	8.7	6.6	-	-	46.4	3.3	8.5	7.0	5.4	3.8	-	-
	67	46.2	3.0	20.7	18.6	16.5	14.3	12.2	-	40.6	3.2	15.1	13.5	12.0	10.4	8.8	-
	62	33.1	3.1	23.7	21.6	19.4	17.3	15.2	13.1	30.3	3.2	19.2	17.7	16.1	14.5	13.0	11.4
1500	77	57.0	3.4	6.4	3.7	1.1	-	-	-	54.3	3.5	2.5	0.5	-1.6	-	-	-
	72	52.7	3.2	15.6	13.0	10.3	7.6	-	-	48.2	3.4	10.7	8.6	6.6	4.5	-	-
	67	48.4	3.0	24.9	22.2	19.5	16.8	14.2	-	42.1	3.2	18.8	16.8	14.7	12.6	10.6	-
	62	34.7	3.1	28.4	25.7	23.0	20.4	17.7	15.0	31.5	3.2	24.1	22.0	20.0	17.9	15.8	13.8
	57	31.6	3.1	30.9	28.2	25.6	22.9	20.2	17.5	29.5	3.2	26.6	24.6	22.5	20.5	18.4	16.3
1750	77	59.6	3.4	7.7	4.5	1.2	-	-	-	56.2	3.5	3.1	0.6	-2.0	-	-	-
	72	55.1	3.2	18.4	15.1	11.9	8.7	-	-	50.0	3.4	12.8	10.3	7.7	5.1	-	-
	67	50.6	3.0	29.0	25.8	22.6	19.3	16.1	-	43.7	3.2	22.5	20.0	17.4	14.9	12.3	-
	62	36.3	3.1	33.1	29.9	26.6	23.4	20.2	17.0	32.7	3.2	28.9	26.4	23.8	21.2	18.7	16.1
	57	33.1	3.1	32.7	31.4	29.6	26.3	23.1	19.9	30.6	3.2	29.2	28.1	26.9	24.3	21.8	19.2
2000	77	62.1	3.4	9.0	5.2	1.4	-	-	-	58.2	3.5	3.7	0.6	-2.4	-	-	-
	72	57.5	3.2	21.1	17.3	13.5	9.7	-	-	51.8	3.4	15.0	11.9	8.9	5.8	-	-
	67	52.8	3.0	33.2	29.4	25.6	21.8	18.1	-	45.3	3.2	26.3	23.2	20.1	17.1	14.0	-
	62	37.8	3.1	37.8	34.0	30.3	26.5	22.7	18.9	33.8	3.2	33.8	30.7	27.7	24.6	21.5	18.5
	57	34.5	3.1	34.5	34.5	33.6	29.8	26.0	22.2	31.7	3.2	31.7	31.7	31.2	28.2	25.1	22.1
2250	72	58.2	3.2	23.3	19.1	14.9	10.8	-	-	52.8	3.4	16.9	13.4	9.9	6.4	-	-
	67	53.4	3.0	36.7	32.5	28.3	24.1	20.0	-	46.1	3.2	29.8	26.3	22.8	19.3	15.8	-
	62	38.3	3.1	38.3	36.4	33.5	29.3	25.1	20.9	34.5	3.2	34.5	32.9	30.9	27.4	23.9	20.4
	57	34.9	3.1	34.9	34.9	34.5	30.3	26.1	21.9	32.3	3.2	32.3	32.3	32.1	28.6	25.1	21.6
2500	72	58.9	3.2	25.5	21.0	16.4	11.8	-	-	53.8	3.4	18.9	15.0	11.0	7.1	-	-
	67	54.1	3.0	40.2	35.6	31.0	26.5	21.9	-	47.0	3.2	33.3	29.4	25.4	21.5	17.6	-
	62	38.8	3.1	38.8	38.8	36.7	32.1	27.5	22.9	35.1	3.2	35.1	35.1	34.1	30.1	26.2	22.3
	57	35.4	3.1	35.4	35.4	35.4	30.8	26.2	21.6	33.0	3.2	33.0	33.0	33.0	29.0	25.1	21.2

KT061 (5.0 ton) reheat (continued)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
1250	77	50.2	3.6	-1.2	-2.2	-3.2	-	-	-	48.1	3.8	-4.3	-4.8	-5.3	-	-	-
	72	42.6	3.5	4.2	3.2	2.1	1.1	-	-	38.7	3.7	-0.2	-0.7	-1.1	-1.6	-	-
	67	34.9	3.4	9.5	8.5	7.5	6.5	5.4	-	29.3	3.5	3.9	3.4	3.0	2.5	2.1	-
	62	27.6	3.2	14.8	13.8	12.8	11.7	10.7	9.7	24.8	3.3	10.3	9.9	9.4	9.0	8.5	8.0
1500	77	51.6	3.7	-1.3	-2.8	-4.2	-	-	-	48.9	3.8	-5.2	-6.0	-6.9	-	-	-
	72	43.7	3.5	5.7	4.3	2.8	1.4	-	-	39.2	3.7	0.8	-0.1	-0.9	-1.8	-	-
	67	35.9	3.4	12.8	11.3	9.9	8.4	7.0	-	29.6	3.6	6.7	5.9	5.1	4.2	3.4	-
	62	28.3	3.3	19.8	18.3	16.9	15.4	13.9	12.5	25.1	3.3	15.5	14.6	13.8	12.9	12.1	11.2
	57	27.5	3.2	22.4	20.9	19.5	18.0	16.6	15.1	25.4	3.3	18.1	17.3	16.4	15.6	14.7	13.9
1750	77	52.9	3.7	-1.5	-3.4	-5.3	-	-	-	49.6	3.8	-6.1	-7.3	-8.5	-	-	-
	72	44.9	3.5	7.3	5.4	3.5	1.6	-	-	39.8	3.7	1.8	0.5	-0.7	-1.9	-	-
	67	36.8	3.4	16.1	14.2	12.3	10.4	8.5	-	29.9	3.6	9.6	8.4	7.1	5.9	4.7	-
	62	29.1	3.3	24.7	22.8	21.0	19.1	17.2	15.3	25.5	3.4	20.6	19.3	18.1	16.9	15.7	14.4
	57	28.2	3.3	25.7	24.9	24.2	22.3	20.4	18.5	25.8	3.3	22.1	21.7	21.5	20.3	19.1	17.9
2000	77	54.3	3.7	-1.6	-4.0	-6.3	-	-	-	50.4	3.9	-6.9	-8.5	-10.1	-	-	-
	72	46.0	3.6	8.9	6.5	4.2	1.9	-	-	40.3	3.8	2.7	1.1	-0.5	-2.1	-	-
	67	37.8	3.4	19.3	17.0	14.7	12.3	10.0	-	30.3	3.6	12.4	10.8	9.2	7.6	6.0	-
	62	29.8	3.3	29.7	27.4	25.0	22.7	20.4	18.1	25.8	3.4	25.7	24.1	22.4	20.8	19.2	17.6
	57	28.9	3.3	28.9	28.9	28.9	26.6	24.3	21.9	26.2	3.4	26.2	26.2	26.2	25.0	23.4	21.8
2250	72	47.3	3.6	10.5	7.7	4.9	2.1	-	-	41.9	3.8	4.1	2.0	-0.1	-2.2	-	-
	67	38.8	3.4	22.9	20.1	17.3	14.5	11.7	-	31.5	3.6	15.9	13.8	11.7	9.6	7.5	-
	62	30.7	3.3	30.6	29.4	28.3	25.5	22.7	19.9	26.8	3.4	26.8	26.0	25.7	23.6	21.5	19.4
	57	29.7	3.3	29.7	29.7	29.7	26.9	24.1	21.3	27.2	3.4	27.2	27.2	27.2	25.3	23.2	21.1
2500	72	48.6	3.6	12.2	8.9	5.7	2.4	-	-	43.5	3.7	5.6	2.9	0.3	-2.3	-	-
	67	39.9	3.4	26.4	23.1	19.9	16.6	13.3	-	32.8	3.6	19.5	16.9	14.3	11.6	9.0	-
	62	31.5	3.3	31.5	31.5	31.5	28.2	25.0	21.7	27.9	3.4	27.9	27.9	27.9	26.3	23.7	21.1
	57	30.6	3.3	30.6	30.6	30.6	27.3	24.0	20.7	28.2	3.4	28.2	28.2	28.2	25.5	22.9	20.3

1. These capacities are gross ratings. For net capacity, deduct the air blower motor, MBh = 3.415 x kW. Refer to the appropriate blower performance table for the kW of the supply air blower motor.
2. These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

KT078 (6.5 ton) reheat

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		35°F								45°F							
1625	77	28.9	3.1	3.4	1.9	0.5	-	-	-	40.9	3.9	-1.3	-2.7	-4.0	-	-	-
	72	31.6	3.3	8.0	6.6	5.2	3.8	-	-	39.7	3.9	5.5	4.2	2.9	1.5	-	-
	67	34.4	3.5	12.7	11.3	9.9	8.5	7.1	-	38.6	3.8	12.4	11.0	9.7	8.4	7.1	-
	62	30.8	3.5	16.6	15.0	13.6	12.1	10.7	9.3	34.9	3.7	18.8	17.3	16.0	14.7	13.4	12.1
1950	77	29.5	3.0	4.1	2.2	0.3	-	-	-	42.1	3.9	-1.7	-3.5	-5.3	-	-	-
	72	32.4	3.2	10.8	8.9	7.0	5.1	-	-	40.9	3.8	7.5	5.7	3.8	2.0	-	-
	67	35.2	3.4	17.4	15.6	13.7	11.8	9.9	-	39.7	3.8	16.7	14.9	13.0	11.2	9.4	-
	62	31.6	3.4	22.8	20.9	19.0	17.1	15.2	13.4	35.9	3.7	25.2	23.3	21.5	19.6	17.8	16.0
	57	30.4	3.4	24.7	22.8	20.9	19.1	17.2	15.3	34.4	3.6	27.8	26.0	24.1	22.3	20.4	18.6
2275	77	30.2	3.0	4.8	2.5	0.1	-	-	-	43.3	3.8	-2.0	-4.3	-6.7	-	-	-
	72	33.1	3.2	13.5	11.2	8.8	6.5	-	-	42.1	3.8	9.5	7.2	4.8	2.5	-	-
	67	36.0	3.4	22.2	19.8	17.5	15.1	12.8	-	40.8	3.8	21.1	18.7	16.4	14.0	11.6	-
	62	32.3	3.3	29.0	26.8	24.5	22.1	19.8	17.4	37.0	3.6	31.6	29.3	26.9	24.6	22.2	19.9
	57	31.1	3.3	28.3	27.3	27.0	24.6	22.3	19.9	35.4	3.6	32.1	31.2	30.3	27.9	25.5	23.2
2600	77	30.8	2.9	5.6	2.7	-0.1	-	-	-	44.5	3.8	-2.3	-5.2	-8.1	-	-	-
	72	33.8	3.1	16.2	13.4	10.6	7.8	-	-	43.2	3.8	11.6	8.7	5.8	2.9	-	-
	67	36.9	3.3	26.9	24.1	21.3	18.5	15.6	-	42.0	3.7	25.4	22.6	19.7	16.8	13.9	-
	62	33.1	3.2	33.1	32.7	29.9	27.1	24.3	21.5	38.0	3.6	38.0	35.3	32.4	29.5	26.6	23.7
	57	31.9	3.2	31.9	31.9	31.9	30.2	27.4	24.6	36.4	3.6	36.4	36.4	36.4	33.5	30.6	27.7
2925	72	37.9	3.1	18.3	15.2	12.0	8.9	-	-	44.4	3.7	13.2	9.9	6.6	3.3	-	-
	67	40.7	3.3	30.8	27.7	24.6	21.4	18.3	-	43.1	3.7	28.9	25.6	22.3	19.0	15.7	-
	62	36.5	3.2	36.5	36.3	34.9	31.8	28.7	25.5	39.0	3.5	39.0	37.6	36.2	32.9	29.6	26.3
	57	35.2	3.2	35.2	35.2	35.2	32.6	29.5	26.3	37.3	3.5	37.3	37.3	37.3	34.1	30.8	27.5
3250	72	42.0	3.0	20.4	17.0	13.5	10.0	-	-	45.5	3.6	14.8	11.1	7.4	3.7	-	-
	67	44.5	3.2	34.8	31.3	27.8	24.4	20.9	-	44.2	3.6	32.3	28.6	24.9	21.2	17.5	-
	62	40.0	3.2	40.0	40.0	40.0	36.5	33.0	29.6	40.0	3.5	40.0	40.0	40.0	36.3	32.6	28.9
	57	38.5	3.1	38.5	38.5	38.5	35.0	31.5	28.1	38.3	3.4	38.3	38.3	38.3	34.6	30.9	27.2
		55°F								65°F							
1625	77	52.9	4.7	-6.0	-7.3	-8.5	-	-	-	50.5	4.9	-5.9	-6.8	-7.7	-	-	-
	72	47.8	4.5	3.0	1.8	0.5	-0.7	-	-	45.1	4.7	1.7	0.8	-0.1	-1.0	-	-
	67	42.8	4.2	12.0	10.8	9.6	8.3	7.1	-	39.8	4.4	9.4	8.4	7.5	6.6	5.7	-
	62	39.0	4.0	20.9	19.7	18.5	17.3	16.0	14.8	35.7	4.2	17.2	16.2	15.3	14.4	13.4	12.5
1950	77	54.7	4.7	-7.4	-9.2	-11.0	-	-	-	52.2	4.9	-7.8	-9.3	-10.8	-	-	-
	72	49.4	4.5	4.3	2.5	0.7	-1.1	-	-	46.6	4.7	2.8	1.3	-0.2	-1.7	-	-
	67	44.2	4.2	16.0	14.2	12.4	10.6	8.8	-	41.1	4.4	13.3	11.8	10.3	8.8	7.3	-
	62	40.3	3.9	27.6	25.8	23.9	22.1	20.3	18.5	36.9	4.2	24.1	22.6	21.1	19.6	18.1	16.6
	57	38.4	3.9	30.9	29.1	27.3	25.5	23.7	21.9	35.3	4.1	26.9	25.4	23.9	22.4	20.9	19.4
2275	77	56.4	4.7	-8.8	-11.2	-13.5	-	-	-	53.9	4.9	-9.7	-11.7	-13.8	-	-	-
	72	51.1	4.5	5.6	3.2	0.8	-1.5	-	-	48.1	4.6	3.8	1.7	-0.3	-2.4	-	-
	67	45.7	4.2	20.0	17.6	15.2	12.9	10.5	-	42.4	4.4	17.3	15.2	13.1	11.0	9.0	-
	62	41.6	3.9	34.2	31.8	29.4	27.0	24.7	22.3	38.1	4.2	31.1	29.0	26.9	24.8	22.8	20.7
	57	39.7	3.9	35.9	35.0	33.5	31.2	28.8	26.4	36.5	4.1	32.3	31.5	30.5	28.4	26.3	24.3
2600	77	58.2	4.7	-10.2	-13.1	-16.1	-	-	-	55.6	4.9	-11.5	-14.2	-16.8	-	-	-
	72	52.7	4.4	6.9	3.9	1.0	-1.9	-	-	49.6	4.6	4.8	2.2	-0.5	-3.1	-	-
	67	47.1	4.2	24.0	21.0	18.1	15.1	12.2	-	43.7	4.4	21.2	18.6	15.9	13.3	10.6	-
	62	42.9	3.9	40.8	37.8	34.9	31.9	29.0	26.0	39.3	4.1	38.0	35.4	32.7	30.1	27.4	24.8
	57	40.9	3.9	40.9	40.9	39.8	36.8	33.9	30.9	37.6	4.1	37.6	37.6	37.0	34.4	31.7	29.1
2925	72	50.9	4.4	8.0	4.6	1.1	-2.3	-	-	49.4	4.6	5.9	2.6	-0.7	-4.0	-	-
	67	45.5	4.1	26.9	23.5	20.1	16.6	13.2	-	43.5	4.3	25.4	22.1	18.9	15.6	12.3	-
	62	41.5	3.9	40.4	38.9	37.4	34.0	30.6	27.1	39.1	4.1	38.5	37.1	35.8	32.5	29.2	26.0
	57	39.5	3.8	39.5	39.5	38.9	35.5	32.1	28.6	37.4	4.0	37.4	37.4	37.1	33.9	30.6	27.3
3250	72	49.1	4.3	9.1	5.2	1.2	-2.7	-	-	49.2	4.5	7.0	3.0	-0.9	-4.8	-	-
	67	43.9	4.0	29.9	26.0	22.1	18.1	14.2	-	43.3	4.2	29.6	25.7	21.8	17.9	13.9	-
	62	40.0	3.8	40.0	40.0	40.0	36.1	32.1	28.2	38.9	4.0	38.9	38.9	38.9	35.0	31.1	27.2
	57	38.1	3.7	38.1	38.1	38.1	34.2	30.3	26.3	37.2	4.0	37.2	37.2	37.2	33.3	29.4	25.5

KT078 (6.5 ton) reheat (continued)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
1625	77	48.1	5.1	-5.7	-6.4	-7.0	-	-	-	45.7	5.4	-5.6	-5.9	-6.2	-	-	-
	72	42.4	4.9	0.5	-0.1	-0.8	-1.4	-	-	39.7	5.1	-0.8	-1.1	-1.4	-1.7	-	-
	67	36.7	4.6	6.7	6.1	5.5	4.8	4.2	-	33.7	4.9	4.1	3.7	3.4	3.1	2.8	-
	62	32.5	4.4	13.4	12.7	12.1	11.5	10.9	10.2	29.2	4.7	9.6	9.3	8.9	8.6	8.3	8.0
1950	77	49.7	5.1	-8.1	-9.3	-10.5	-	-	-	47.2	5.3	-8.5	-9.4	-10.3	-	-	-
	72	43.8	4.9	1.3	0.1	-1.1	-2.3	-	-	41.0	5.1	-0.3	-1.2	-2.1	-3.0	-	-
	67	37.9	4.6	10.6	9.4	8.2	7.0	5.8	-	34.8	4.8	8.0	7.1	6.2	5.3	4.4	-
	62	33.6	4.4	20.7	19.5	18.3	17.1	15.9	14.7	30.2	4.6	17.2	16.3	15.4	14.5	13.6	12.7
	57	32.2	4.3	22.9	21.7	20.5	19.3	18.1	16.9	29.2	4.6	18.9	18.0	17.1	16.2	15.3	14.4
2275	77	51.3	5.1	-10.5	-12.3	-14.1	-	-	-	48.7	5.2	-11.4	-12.9	-14.3	-	-	-
	72	45.2	4.8	2.0	0.2	-1.5	-3.3	-	-	42.3	5.0	0.2	-1.2	-2.7	-4.2	-	-
	67	39.2	4.6	14.6	12.8	11.0	9.2	7.5	-	35.9	4.8	11.8	10.4	8.9	7.4	6.0	-
	62	34.6	4.4	27.9	26.2	24.4	22.6	20.9	19.1	31.2	4.6	24.8	23.4	21.9	20.4	18.9	17.5
	57	33.3	4.3	28.6	28.0	27.4	25.6	23.9	22.1	30.1	4.5	25.0	24.5	24.4	22.9	21.4	20.0
2600	77	52.9	5.0	-12.9	-15.3	-17.6	-	-	-	50.2	5.2	-14.3	-16.3	-18.4	-	-	-
	72	46.6	4.8	2.8	0.4	-1.9	-4.3	-	-	43.6	5.0	0.7	-1.3	-3.4	-5.4	-	-
	67	40.4	4.5	18.5	16.1	13.8	11.4	9.1	-	37.0	4.7	15.7	13.7	11.6	9.6	7.6	-
	62	35.7	4.3	35.2	32.9	30.5	28.2	25.8	23.5	32.1	4.5	32.1	30.4	28.4	26.3	24.3	22.2
	57	34.3	4.3	34.3	34.3	34.3	32.0	29.6	27.3	31.0	4.5	31.0	31.0	31.0	29.6	27.5	25.5
2925	72	48.0	4.7	3.8	0.7	-2.5	-5.6	-	-	46.6	4.9	1.7	-1.3	-4.2	-7.2	-	-
	67	41.6	4.5	23.9	20.8	17.7	14.5	11.4	-	39.6	4.7	22.4	19.4	16.5	13.5	10.5	-
	62	36.8	4.3	36.5	35.4	34.2	31.1	27.9	24.8	34.5	4.5	34.5	33.6	32.6	29.6	26.6	23.6
	57	35.3	4.2	35.3	35.3	35.3	32.2	29.1	25.9	33.3	4.4	33.3	33.3	33.3	30.6	27.6	24.6
3250	72	49.4	4.7	4.8	0.9	-3.0	-6.9	-	-	49.6	4.9	2.7	-1.2	-5.1	-9.0	-	-
	67	42.8	4.5	29.4	25.5	21.5	17.6	13.7	-	42.2	4.7	29.1	25.2	21.3	17.4	13.5	-
	62	37.9	4.3	37.9	37.9	37.9	33.9	30.0	26.1	36.8	4.5	36.8	36.8	36.8	32.9	29.0	25.0
	57	36.4	4.2	36.4	36.4	36.4	32.4	28.5	24.6	35.5	4.4	35.5	35.5	35.5	31.6	27.7	23.7

1. These capacities are gross ratings. For net capacity, deduct the air blower motor, MBh = 3.415 x kW. Refer to the appropriate blower performance table for the kW of the supply air blower motor.
2. These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

KT090 (7.5 ton) reheat

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
				Return dry bulb (°F)								Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
		35°F								45°F							
1875	77	69.9	3.8	8.4	5.6	2.7	-	-	-	69.6	4.2	3.0	0.4	-2.2	-	-	-
	72	66.7	3.8	18.7	15.8	13.0	10.2	-	-	65.3	4.1	14.3	11.7	9.1	6.5	-	-
	67	63.5	3.7	29.0	26.1	23.3	20.4	17.6	-	61.1	4.0	25.6	23.0	20.4	17.8	15.2	-
	62	59.1	3.7	35.6	32.8	30.0	27.1	24.3	21.5	56.4	3.9	35.3	32.7	30.1	27.5	24.9	22.3
2250	77	71.0	3.9	9.7	6.4	3.1	-	-	-	70.8	4.2	3.6	0.5	-2.6	-	-	-
	72	67.8	3.8	22.0	18.7	15.5	12.2	-	-	66.5	4.1	16.9	13.8	10.7	7.6	-	-
	67	64.5	3.8	34.4	31.1	27.8	24.5	21.3	-	62.2	4.0	30.3	27.2	24.1	21.0	17.9	-
	62	60.0	3.7	42.5	39.2	35.9	32.7	29.4	26.1	57.4	3.9	41.8	38.7	35.6	32.5	29.4	26.3
	57	52.9	3.6	47.8	44.5	41.2	38.0	34.7	31.4	52.4	3.8	47.7	44.6	41.5	38.4	35.3	32.2
2625	77	72.1	3.9	10.9	7.2	3.5	-	-	-	72.0	4.3	4.2	0.6	-3.0	-	-	-
	72	68.8	3.8	25.3	21.6	17.9	14.2	-	-	67.6	4.2	19.6	16.0	12.4	8.8	-	-
	67	65.5	3.8	39.8	36.0	32.3	28.6	24.9	-	63.2	4.1	35.0	31.4	27.8	24.2	20.6	-
	62	61.0	3.7	49.3	45.6	41.9	38.2	34.5	30.8	58.4	3.9	48.3	44.7	41.1	37.5	33.9	30.3
	57	53.7	3.6	51.2	49.5	48.1	44.4	40.7	37.0	53.3	3.9	50.9	49.4	47.8	44.2	40.7	37.1
3000	77	73.2	3.9	12.1	8.0	3.9	-	-	-	73.2	4.3	4.8	0.7	-3.4	-	-	-
	72	69.9	3.9	28.6	24.5	20.4	16.2	-	-	68.8	4.2	22.2	18.1	14.0	10.0	-	-
	67	66.6	3.8	45.2	41.0	36.9	32.7	28.6	-	64.3	4.1	39.7	35.6	31.5	27.4	23.3	-
	62	61.9	3.7	56.1	52.0	47.9	43.7	39.6	35.4	59.4	3.9	54.7	50.6	46.6	42.5	38.4	34.3
	57	54.5	3.7	54.5	54.5	54.5	50.8	46.7	42.5	54.2	3.9	54.2	54.2	54.2	50.1	46.0	41.9
3375	72	65.1	3.9	30.4	26.2	21.9	17.6	-	-	64.0	4.2	24.6	20.0	15.4	10.9	-	-
	67	62.0	3.8	47.3	43.0	38.7	34.4	30.1	-	59.8	4.1	43.7	39.2	34.6	30.1	25.5	-
	62	57.7	3.7	54.8	52.8	50.7	46.4	42.1	37.8	55.2	3.9	52.9	50.9	48.8	44.3	39.7	35.1
	57	50.8	3.7	50.8	50.8	50.8	46.8	42.5	38.2	50.4	3.9	50.4	50.4	50.4	45.9	41.3	36.7
3750	72	60.4	3.9	32.2	27.8	23.4	18.9	-	-	59.2	4.2	26.9	21.9	16.9	11.8	-	-
	67	57.5	3.8	49.5	45.0	40.6	36.1	31.7	-	55.3	4.1	47.8	42.8	37.8	32.7	27.7	-
	62	53.5	3.7	53.5	53.5	53.5	49.1	44.6	40.2	51.1	3.9	51.1	51.1	51.1	46.1	41.0	36.0
	57	47.1	3.7	47.1	47.1	47.1	42.7	38.2	33.8	46.6	3.9	46.6	46.6	46.6	41.6	36.6	31.5
		55°F								65°F							
1875	77	69.2	4.6	-2.4	-4.8	-7.1	-	-	-	67.2	4.9	-4.2	-6.4	-8.5	-	-	-
	72	64.0	4.5	9.9	7.5	5.2	2.8	-	-	61.5	4.7	7.9	5.8	3.6	1.5	-	-
	67	58.7	4.3	22.2	19.8	17.5	15.1	12.8	-	55.8	4.5	20.0	17.9	15.7	13.6	11.5	-
	62	53.7	4.1	35.0	32.7	30.3	27.9	25.6	23.2	49.7	4.3	32.0	29.9	27.7	25.6	23.5	21.3
2250	77	70.6	4.6	-2.5	-5.4	-8.3	-	-	-	68.8	4.9	-4.6	-7.4	-10.2	-	-	-
	72	65.2	4.5	11.9	8.9	6.0	3.1	-	-	63.0	4.7	9.8	7.1	4.3	1.5	-	-
	67	59.8	4.3	26.2	23.3	20.4	17.4	14.5	-	57.2	4.5	24.3	21.5	18.8	16.0	13.2	-
	62	54.8	4.1	41.1	38.2	35.3	32.4	29.4	26.5	51.0	4.4	38.6	35.8	33.0	30.3	27.5	24.7
	57	51.9	4.0	47.5	44.6	41.7	38.8	35.8	32.9	48.3	4.3	43.7	40.9	38.2	35.4	32.7	29.9
2625	77	71.9	4.6	-2.5	-6.0	-9.5	-	-	-	70.5	4.9	-5.1	-8.5	-11.9	-	-	-
	72	66.4	4.5	13.8	10.4	6.9	3.4	-	-	64.5	4.7	11.7	8.3	4.9	1.5	-	-
	67	60.9	4.3	30.2	26.7	23.2	19.7	16.3	-	58.6	4.6	28.6	25.2	21.8	18.4	15.0	-
	62	55.8	4.1	47.2	43.7	40.3	36.8	33.3	29.8	52.2	4.4	45.1	41.7	38.3	34.9	31.5	28.1
	57	52.9	4.1	50.7	49.2	47.6	44.1	40.6	37.1	49.5	4.3	47.2	45.8	44.3	40.9	37.5	34.1
3000	77	73.3	4.7	-2.6	-6.6	-10.7	-	-	-	72.1	4.9	-5.5	-9.5	-13.6	-	-	-
	72	67.7	4.5	15.8	11.8	7.7	3.7	-	-	66.0	4.8	13.7	9.6	5.6	1.6	-	-
	67	62.1	4.3	34.2	30.1	26.1	22.1	18.0	-	59.9	4.6	32.8	28.8	24.8	20.7	16.7	-
	62	56.8	4.1	53.3	49.3	45.2	41.2	37.2	33.1	53.4	4.4	51.6	47.7	43.6	39.6	35.6	31.5
	57	53.9	4.1	53.9	53.9	53.4	49.4	45.4	41.3	50.6	4.3	50.6	50.6	50.4	46.4	42.3	38.3
3375	72	62.8	4.5	18.7	13.9	9.0	4.2	-	-	60.3	4.7	16.1	11.3	6.5	1.7	-	-
	67	57.6	4.3	40.2	35.4	30.5	25.7	20.9	-	54.7	4.6	38.3	33.5	28.7	23.9	19.1	-
	62	52.8	4.1	51.0	49.0	47.0	42.1	37.3	32.5	48.8	4.4	47.9	45.9	43.9	39.1	34.3	29.5
	57	50.0	4.1	50.0	50.0	49.8	45.0	40.1	35.3	46.3	4.3	46.3	46.3	46.2	41.3	36.5	31.7
3750	72	57.9	4.5	21.6	16.0	10.3	4.7	-	-	54.6	4.7	18.6	13.0	7.4	1.8	-	-
	67	53.2	4.3	46.2	40.6	35.0	29.3	23.7	-	49.5	4.6	43.8	38.2	32.7	27.1	21.5	-
	62	48.7	4.1	48.7	48.7	48.7	43.1	37.5	31.8	44.2	4.4	44.2	44.2	44.2	38.6	33.0	27.4
	57	46.1	4.0	46.1	46.1	46.1	40.5	34.9	29.3	41.9	4.3	41.9	41.9	41.9	36.3	30.7	25.1

KT090 (7.5 ton) reheat (continued)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
				Return dry bulb (°F)								Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
1875	77	65.1	5.1	-6.0	-7.9	-9.8	-	-	-	63.0	5.4	-7.9	-9.5	-11.2	-	-	-
	72	59.0	5.0	5.9	4.0	2.1	0.2	-	-	56.5	5.2	3.9	2.2	0.5	-1.1	-	-
	67	52.9	4.8	17.8	15.9	14.0	12.1	10.2	-	50.1	5.0	15.6	13.9	12.3	10.6	8.9	-
	62	45.8	4.6	29.0	27.0	25.1	23.2	21.3	19.4	41.8	4.8	26.0	24.2	22.6	20.9	19.2	17.5
2250	77	67.1	5.2	-6.8	-9.4	-12.0	-	-	-	65.3	5.4	-9.0	-11.5	-13.9	-	-	-
	72	60.8	5.0	7.8	5.2	2.5	-0.1	-	-	58.6	5.2	5.7	3.3	0.8	-1.6	-	-
	67	54.5	4.8	22.4	19.8	17.1	14.5	11.9	-	51.9	5.0	20.5	18.0	15.5	13.1	10.6	-
	62	47.1	4.6	36.0	33.4	30.8	28.2	25.5	22.9	43.3	4.8	33.4	31.0	28.5	26.1	23.6	21.1
	57	44.7	4.5	39.9	37.3	34.7	32.1	29.5	26.8	41.1	4.8	36.1	33.6	31.2	28.7	26.3	23.8
2625	77	69.0	5.2	-7.6	-10.9	-14.3	-	-	-	67.6	5.5	-10.1	-13.4	-16.6	-	-	-
	72	62.6	5.0	9.7	6.3	3.0	-0.3	-	-	60.7	5.3	7.6	4.3	1.1	-2.2	-	-
	67	56.2	4.8	26.9	23.6	20.3	17.0	13.6	-	53.8	5.1	25.3	22.1	18.8	15.6	12.3	-
	62	48.5	4.6	43.0	39.7	36.4	33.1	29.8	26.4	44.9	4.9	40.8	37.7	34.5	31.2	28.0	24.7
	57	46.1	4.6	43.6	42.3	41.0	37.7	34.4	31.1	42.6	4.8	40.1	38.9	37.8	34.5	31.3	28.0
3000	77	71.0	5.2	-8.4	-12.4	-16.5	-	-	-	69.9	5.5	-11.3	-15.3	-19.4	-	-	-
	72	64.4	5.0	11.6	7.5	3.5	-0.6	-	-	62.8	5.3	9.4	5.4	1.4	-2.7	-	-
	67	57.8	4.8	31.5	27.5	23.4	19.4	15.3	-	55.6	5.1	30.2	26.1	22.1	18.0	14.0	-
	62	49.9	4.6	49.9	46.1	42.0	38.0	34.0	29.9	46.5	4.9	46.5	44.5	40.4	36.4	32.4	28.3
	57	47.4	4.6	47.4	47.4	47.4	43.3	39.3	35.3	44.1	4.8	44.1	44.1	44.1	40.3	36.3	32.2
3375	72	57.8	5.0	13.6	8.8	4.0	-0.8	-	-	55.3	5.3	11.0	6.3	1.5	-3.3	-	-
	67	51.8	4.8	36.5	31.7	26.9	22.1	17.3	-	48.9	5.1	34.6	29.9	25.1	20.3	15.5	-
	62	44.8	4.6	44.8	42.9	40.9	36.1	31.3	26.5	40.8	4.9	40.8	39.8	37.8	33.0	28.2	23.5
	57	42.5	4.6	42.5	42.5	42.5	37.7	32.9	28.1	38.8	4.8	38.8	38.8	38.8	34.1	29.3	24.5
3750	72	51.2	5.0	15.6	10.1	4.5	-1.0	-	-	47.8	5.3	12.7	7.1	1.6	-3.9	-	-
	67	45.9	4.8	41.5	35.9	30.4	24.8	19.3	-	42.3	5.1	39.1	33.6	28.1	22.6	17.0	-
	62	39.7	4.6	39.7	39.7	39.7	34.1	28.6	23.0	35.2	4.9	35.2	35.2	35.2	29.6	24.1	18.6
	57	37.6	4.6	37.6	37.6	37.6	32.1	26.5	21.0	33.4	4.8	33.4	33.4	33.4	27.9	22.3	16.8

1. These capacities are gross ratings. For net capacity, deduct the air blower motor, MBh = 3.415 x kW. Refer to the appropriate blower performance table for the kW of the supply air blower motor.
2. These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

KT102 (8.5 ton) reheat

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
		35°F								45°F							
2125	77	74.6	4.4	-0.3	-2.7	-5.1	-	-	-	71.9	4.7	-3.1	-5.1	-7.0	-	-	-
	72	70.1	4.2	11.1	8.8	6.4	4.0	-	-	67.2	4.5	7.9	5.9	4.0	2.0	-	-
	67	65.6	4.1	22.6	20.2	17.9	15.5	13.1	-	62.6	4.3	18.9	16.9	15.0	13.0	11.1	-
	62	61.2	3.9	34.8	32.4	30.0	27.6	25.2	22.8	56.8	4.2	30.8	28.8	26.9	25.0	23.0	21.1
2550	77	76.6	4.4	-0.3	-3.2	-6.0	-	-	-	74.6	4.7	-3.9	-6.4	-9.0	-	-	-
	72	72.0	4.2	13.8	10.9	8.1	5.2	-	-	69.8	4.5	10.2	7.6	5.1	2.6	-	-
	67	67.3	4.0	27.8	25.0	22.1	19.3	16.4	-	64.9	4.3	24.2	21.7	19.2	16.6	14.1	-
	62	62.9	3.9	42.7	39.8	37.0	34.1	31.3	28.4	58.9	4.1	39.5	36.9	34.4	31.9	29.3	26.8
	57	58.5	3.8	50.4	47.6	44.7	41.9	39.0	36.2	55.2	4.0	46.3	43.8	41.2	38.7	36.2	33.7
2975	77	78.6	4.3	-0.3	-3.6	-6.9	-	-	-	77.3	4.7	-4.7	-7.8	-10.9	-	-	-
	72	73.8	4.2	16.4	13.0	9.7	6.4	-	-	72.3	4.5	12.5	9.3	6.2	3.1	-	-
	67	69.1	4.0	33.0	29.7	26.4	23.1	19.8	-	67.3	4.3	29.6	26.5	23.4	20.2	17.1	-
	62	64.5	3.9	50.6	47.2	43.9	40.6	37.3	34.0	61.1	4.1	48.1	45.0	41.9	38.8	35.7	32.5
	57	60.1	3.8	56.0	54.6	53.2	49.9	46.6	43.2	57.2	4.0	52.8	51.5	50.2	47.1	44.0	40.9
3400	77	80.5	4.3	-0.3	-4.1	-7.8	-	-	-	80.0	4.7	-5.5	-9.2	-12.9	-	-	-
	72	75.7	4.2	19.0	15.2	11.4	7.6	-	-	74.8	4.5	14.7	11.0	7.3	3.6	-	-
	67	70.8	4.0	38.2	34.4	30.7	26.9	23.1	-	69.6	4.3	34.9	31.2	27.5	23.8	20.1	-
	62	66.2	3.9	58.4	54.7	50.9	47.1	43.4	39.6	63.2	4.1	56.8	53.1	49.4	45.7	42.0	38.3
	57	61.6	3.7	61.6	61.6	61.6	57.9	54.1	50.3	59.2	4.0	59.2	59.2	59.2	55.5	51.8	48.1
3825	72	78.2	4.2	21.2	17.0	12.9	8.7	-	-	76.6	4.5	16.7	12.5	8.3	4.1	-	-
	67	73.1	4.0	42.4	38.2	34.1	29.9	25.8	-	71.3	4.3	39.7	35.5	31.3	27.1	22.9	-
	62	68.3	3.9	64.5	62.6	57.2	53.1	49.0	44.8	64.7	4.1	61.5	59.7	56.1	51.9	47.7	43.5
	57	63.6	3.7	63.6	63.6	63.6	59.5	55.3	51.2	60.7	4.0	60.7	60.7	60.7	56.5	52.3	48.1
4250	72	80.7	4.2	23.4	18.8	14.3	9.8	-	-	78.4	4.5	18.7	14.0	9.3	4.6	-	-
	67	75.5	4.0	46.6	42.0	37.5	33.0	28.5	-	73.0	4.3	44.4	39.7	35.0	30.3	25.6	-
	62	70.5	3.9	70.5	70.5	63.6	59.1	54.5	50.0	66.2	4.1	66.2	66.2	62.8	58.1	53.4	48.7
	57	65.6	3.7	65.6	65.6	65.6	61.1	56.6	52.1	62.1	4.0	62.1	62.1	62.1	57.4	52.7	48.0
		55°F								65°F							
2125	77	69.1	5.1	-5.9	-7.4	-8.9	-	-	-	67.9	5.4	-7.2	-8.4	-9.6	-	-	-
	72	64.4	4.8	4.6	3.1	1.6	0.1	-	-	61.6	5.1	2.6	1.4	0.2	-1.0	-	-
	67	59.6	4.6	15.1	13.6	12.1	10.6	9.1	-	55.4	4.9	12.4	11.2	10.0	8.8	7.6	-
	62	52.4	4.4	26.8	25.3	23.8	22.3	20.8	19.3	48.6	4.6	22.9	21.7	20.5	19.3	18.0	16.8
2550	77	72.6	5.1	-7.5	-9.7	-11.9	-	-	-	71.0	5.4	-9.7	-11.6	-13.6	-	-	-
	72	67.6	4.8	6.6	4.4	2.2	-0.1	-	-	64.5	5.1	4.0	2.1	0.2	-1.7	-	-
	67	62.5	4.6	20.6	18.4	16.2	14.0	11.8	-	57.9	4.9	17.7	15.8	13.9	12.0	10.1	-
	62	55.0	4.4	36.3	34.0	31.8	29.6	27.4	25.2	50.8	4.6	32.4	30.4	28.5	26.6	24.7	22.8
	57	51.9	4.3	42.2	40.0	37.8	35.6	33.3	31.1	48.7	4.5	37.7	35.8	33.9	31.9	30.0	28.1
2975	77	76.0	5.1	-9.0	-12.0	-14.9	-	-	-	74.1	5.4	-12.2	-14.9	-17.5	-	-	-
	72	70.8	4.8	8.6	5.6	2.7	-0.2	-	-	67.3	5.1	5.4	2.8	0.2	-2.5	-	-
	67	65.5	4.6	26.2	23.2	20.3	17.4	14.5	-	60.5	4.9	23.0	20.4	17.8	15.2	12.5	-
	62	57.6	4.4	45.7	42.8	39.9	36.9	34.0	31.1	53.0	4.6	41.8	39.2	36.5	33.9	31.3	28.7
	57	54.4	4.3	49.5	48.4	47.3	44.4	41.5	38.5	50.8	4.5	45.3	44.4	43.4	40.8	38.2	35.5
3400	77	79.4	5.1	-10.6	-14.2	-17.9	-	-	-	77.2	5.4	-14.8	-18.1	-21.4	-	-	-
	72	73.9	4.8	10.5	6.9	3.3	-0.4	-	-	70.1	5.1	6.8	3.5	0.1	-3.2	-	-
	67	68.5	4.6	31.7	28.0	24.4	20.8	17.1	-	63.0	4.9	28.3	25.0	21.7	18.4	15.0	-
	62	60.2	4.4	55.2	51.5	47.9	44.3	40.6	37.0	55.3	4.6	51.2	47.9	44.6	41.3	37.9	34.6
	57	56.8	4.3	56.8	56.8	56.8	53.2	49.6	45.9	52.9	4.5	52.9	52.9	52.9	49.6	46.3	43.0
3825	72	75.1	4.8	12.3	8.1	3.8	-0.5	-	-	71.7	5.1	8.1	4.1	0.0	-4.0	-	-
	67	69.5	4.6	37.0	32.7	28.4	24.2	19.9	-	64.4	4.9	34.2	30.2	26.1	22.1	18.0	-
	62	61.1	4.4	58.6	56.8	55.0	50.7	46.4	42.2	56.5	4.6	54.5	52.8	51.2	47.1	43.1	39.0
	57	57.7	4.3	57.7	57.7	57.7	53.4	49.2	44.9	54.1	4.5	54.1	54.1	54.1	50.1	46.0	42.0
4250	72	76.2	4.9	14.1	9.2	4.3	-0.6	-	-	73.3	5.1	9.5	4.7	-0.1	-4.9	-	-
	67	70.5	4.6	42.3	37.4	32.5	27.6	22.7	-	65.9	4.9	40.2	35.4	30.6	25.8	21.0	-
	62	62.0	4.4	62.0	62.0	62.0	57.1	52.2	47.3	57.8	4.7	57.8	57.8	57.8	53.0	48.2	43.4
	57	58.6	4.3	58.6	58.6	58.6	53.7	48.8	43.9	55.3	4.5	55.3	55.3	55.3	50.6	45.8	41.0

KT102 (8.5 ton) reheat (continued)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
				Return dry bulb (°F)								Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
2125	77	66.7	5.7	-8.5	-9.4	-10.4	-	-	-	65.4	6.0	-9.8	-10.5	-11.1	-	-	-
	72	58.9	5.4	0.6	-0.3	-1.2	-2.2	-	-	56.2	5.7	-1.4	-2.0	-2.7	-3.3	-	-
	67	51.1	5.2	9.8	8.8	7.9	6.9	6.0	-	46.9	5.4	7.1	6.4	5.8	5.1	4.5	-
	62	44.7	4.9	19.0	18.1	17.2	16.2	15.3	14.4	40.9	5.2	15.1	14.5	13.9	13.2	12.6	11.9
2550	77	69.4	5.7	-12.0	-13.6	-15.2	-	-	-	67.9	6.0	-14.2	-15.6	-16.9	-	-	-
	72	61.4	5.4	1.4	-0.2	-1.8	-3.4	-	-	58.3	5.7	-1.2	-2.5	-3.8	-5.1	-	-
	67	53.3	5.1	14.8	13.2	11.6	9.9	8.3	-	48.6	5.4	11.9	10.6	9.3	7.9	6.6	-
	62	46.6	4.9	28.4	26.8	25.2	23.6	22.0	20.3	42.4	5.2	24.5	23.2	21.9	20.6	19.2	17.9
	57	45.4	4.8	33.2	31.6	29.9	28.3	26.7	25.1	42.1	5.1	28.7	27.4	26.0	24.7	23.4	22.0
2975	77	72.2	5.7	-15.4	-17.8	-20.1	-	-	-	70.3	6.0	-18.6	-20.7	-22.7	-	-	-
	72	63.8	5.4	2.2	-0.1	-2.4	-4.7	-	-	60.3	5.7	-0.9	-3.0	-5.0	-7.0	-	-
	67	55.4	5.1	19.9	17.6	15.3	12.9	10.6	-	50.4	5.4	16.8	14.7	12.7	10.7	8.7	-
	62	48.5	4.9	37.9	35.5	33.2	30.9	28.6	26.3	43.9	5.2	33.9	31.9	29.9	27.9	25.9	23.9
	57	47.2	4.8	41.1	40.3	39.5	37.2	34.9	32.6	43.6	5.1	36.9	36.2	35.6	33.6	31.6	29.6
3400	77	75.0	5.7	-18.9	-21.9	-24.9	-	-	-	72.8	6.0	-23.1	-25.8	-28.4	-	-	-
	72	66.3	5.4	3.0	0.0	-3.0	-6.0	-	-	62.4	5.7	-0.7	-3.4	-6.1	-8.8	-	-
	67	57.5	5.1	25.0	22.0	18.9	15.9	12.9	-	52.1	5.4	21.6	18.9	16.2	13.5	10.9	-
	62	50.3	4.9	47.3	44.3	41.3	38.3	35.3	32.3	45.4	5.2	43.3	40.6	38.0	35.3	32.6	29.9
	57	49.0	4.8	49.0	49.0	49.0	46.0	43.0	40.0	45.1	5.1	45.1	45.1	45.1	42.4	39.8	37.1
3825	72	68.4	5.4	3.9	0.1	-3.8	-7.6	-	-	65.0	5.7	-0.2	-3.9	-7.5	-11.2	-	-
	67	59.4	5.1	31.5	27.7	23.8	20.0	16.1	-	54.3	5.4	28.8	25.2	21.5	17.9	14.2	-
	62	51.9	4.9	50.4	48.9	47.4	43.5	39.7	35.8	47.3	5.2	46.3	45.0	43.6	40.0	36.3	32.7
	57	50.6	4.8	50.6	50.6	50.6	46.7	42.9	39.0	47.0	5.0	47.0	47.0	47.0	43.4	39.7	36.1
4250	72	70.5	5.4	4.9	0.2	-4.5	-9.2	-	-	67.6	5.7	0.3	-4.3	-9.0	-13.6	-	-
	67	61.2	5.1	38.1	33.4	28.7	24.0	19.3	-	56.5	5.4	36.0	31.4	26.8	22.2	17.6	-
	62	53.5	4.9	53.5	53.5	53.5	48.8	44.1	39.4	49.3	5.2	49.3	49.3	49.3	44.7	40.1	35.5
	57	52.1	4.8	52.1	52.1	52.1	47.4	42.7	38.0	48.9	5.0	48.9	48.9	48.9	44.3	39.7	35.1

1. These capacities are gross ratings. For net capacity, deduct the air blower motor, MBh = 3.415 x kW. Refer to the appropriate blower performance table for the kW of the supply air blower motor.
2. These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

KT120 (10 ton) reheat

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
		35°F								45°F							
2500	77	73.6	4.8	0.7	-1.2	-3.2	-	-	-	74.7	5.4	-5.6	-7.6	-9.5	-	-	-
	72	64.9	4.5	9.6	7.6	5.7	3.7	-	-	69.9	5.2	6.5	4.6	2.7	0.7	-	-
	67	56.2	4.2	18.4	16.5	14.5	12.6	10.7	-	65.1	5.0	18.7	16.8	14.8	12.9	11.0	-
	62	67.6	5.1	31.5	29.5	27.6	25.6	23.7	21.7	66.9	5.3	32.3	30.4	28.5	26.5	24.6	22.7
3000	77	75.6	4.7	0.7	-1.8	-4.3	-	-	-	77.3	5.3	-7.2	-9.9	-12.5	-	-	-
	72	66.6	4.4	12.5	10.0	7.5	5.0	-	-	72.3	5.2	8.8	6.1	3.5	0.9	-	-
	67	57.7	4.2	24.2	21.7	19.2	16.7	14.2	-	67.4	5.0	24.7	22.1	19.5	16.9	14.2	-
	62	69.5	5.0	41.5	38.9	36.4	33.9	31.4	28.9	69.2	5.3	42.6	40.0	37.4	34.8	32.1	29.5
	57	66.6	4.9	51.1	48.6	46.1	43.6	41.1	38.6	64.7	5.2	51.0	48.3	45.7	43.1	40.5	37.8
3500	77	77.7	4.6	0.7	-2.3	-5.4	-	-	-	79.9	5.3	-8.8	-12.2	-15.5	-	-	-
	72	68.4	4.4	15.4	12.3	9.3	6.2	-	-	74.8	5.1	11.0	7.7	4.3	1.0	-	-
	67	59.1	4.1	30.0	27.0	23.9	20.8	17.8	-	69.7	4.9	30.8	27.5	24.2	20.8	17.5	-
	62	71.5	5.0	51.4	48.4	45.3	42.2	39.2	36.1	71.5	5.2	53.0	49.6	46.3	43.0	39.7	36.4
	57	68.5	4.9	60.7	59.5	57.3	54.2	51.2	48.1	66.9	5.1	60.0	58.7	56.6	53.3	50.0	46.7
4000	77	79.7	4.6	0.7	-2.9	-6.5	-	-	-	82.5	5.3	-10.4	-14.4	-18.5	-	-	-
	72	70.2	4.3	18.3	14.7	11.0	7.4	-	-	77.2	5.1	13.2	9.2	5.2	1.2	-	-
	67	60.6	4.1	35.8	32.2	28.6	25.0	21.3	-	72.0	4.9	36.8	32.8	28.8	24.8	20.8	-
	62	73.4	4.9	61.4	57.8	54.2	50.6	46.9	43.3	73.9	5.2	63.3	59.3	55.2	51.2	47.2	43.2
	57	70.3	4.8	70.3	70.3	68.5	64.9	61.3	57.6	69.1	5.1	69.1	69.1	67.6	63.6	59.5	55.5
4500	72	73.4	4.3	20.4	16.3	12.3	8.2	-	-	78.6	5.1	14.8	10.3	5.8	1.2	-	-
	67	63.7	4.0	41.1	37.0	33.0	28.9	24.9	-	73.2	4.9	41.2	36.7	32.1	27.6	23.1	-
	62	76.4	4.8	70.5	66.6	62.6	58.5	54.5	50.4	75.2	5.2	69.8	66.2	61.6	57.1	52.6	48.0
	57	73.2	4.7	73.2	73.2	72.3	68.2	64.2	60.1	70.3	5.1	70.3	70.3	69.5	65.0	60.4	55.9
5000	72	76.7	4.2	22.5	18.0	13.5	9.1	-	-	79.9	5.0	16.5	11.4	6.4	1.3	-	-
	67	66.7	4.0	46.3	41.9	37.4	32.9	28.4	-	74.4	4.9	45.6	40.5	35.5	30.4	25.4	-
	62	79.5	4.8	79.5	75.4	71.0	66.5	62.0	57.5	76.4	5.1	76.4	73.1	68.0	62.9	57.9	52.8
	57	76.1	4.7	76.1	76.1	76.1	71.6	67.1	62.7	71.5	5.1	71.5	71.5	71.5	66.4	61.4	56.3
		55°F								65°F							
2500	77	75.7	6.0	-12.0	-13.9	-15.8	-	-	-	77.9	6.5	-10.7	-12.2	-13.6	-	-	-
	72	74.9	5.9	3.5	1.6	-0.4	-2.3	-	-	72.9	6.3	2.0	0.6	-0.9	-2.3	-	-
	67	74.0	5.8	19.0	17.0	15.1	13.2	11.3	-	68.0	6.1	14.8	13.3	11.9	10.4	9.0	-
	62	66.1	5.5	33.2	31.3	29.3	27.4	25.5	23.6	59.8	5.8	27.2	25.7	24.3	22.9	21.4	20.0
3000	77	78.9	6.0	-15.2	-17.9	-20.7	-	-	-	81.1	6.5	-14.4	-16.7	-18.9	-	-	-
	72	78.0	5.9	5.0	2.3	-0.5	-3.2	-	-	75.9	6.3	3.3	1.0	-1.3	-3.5	-	-
	67	77.1	5.8	25.3	22.5	19.8	17.0	14.3	-	70.8	6.1	20.9	18.6	16.4	14.1	11.8	-
	62	68.8	5.5	43.8	41.1	38.3	35.6	32.8	30.1	62.3	5.8	38.2	36.0	33.7	31.4	29.2	26.9
	57	62.8	5.4	50.8	48.1	45.4	42.6	39.9	37.1	57.2	5.8	43.9	41.6	39.3	37.1	34.8	32.5
3500	77	82.1	5.9	-18.4	-22.0	-25.5	-	-	-	84.3	6.5	-18.1	-21.1	-24.2	-	-	-
	72	81.2	5.8	6.6	3.0	-0.6	-4.1	-	-	79.0	6.3	4.5	1.4	-1.7	-4.8	-	-
	67	80.2	5.7	31.5	28.0	24.4	20.8	17.3	-	73.6	6.1	27.1	24.0	20.9	17.8	14.7	-
	62	71.6	5.5	54.5	50.9	47.3	43.7	40.2	36.6	64.8	5.8	49.3	46.2	43.1	40.0	36.9	33.8
	57	65.3	5.4	59.3	58.0	56.0	52.4	48.8	45.3	59.5	5.7	52.8	51.7	50.3	47.2	44.1	41.0
4000	77	85.3	5.9	-21.6	-26.0	-30.4	-	-	-	87.5	6.5	-21.7	-25.6	-29.6	-	-	-
	72	84.3	5.8	8.1	3.7	-0.7	-5.1	-	-	82.0	6.3	5.7	1.8	-2.1	-6.0	-	-
	67	83.3	5.7	37.8	33.4	29.0	24.6	20.2	-	76.4	6.0	33.2	29.3	25.4	21.5	17.5	-
	62	74.4	5.5	65.1	60.7	56.3	51.9	47.5	43.1	67.2	5.8	60.3	56.4	52.5	48.6	44.6	40.7
	57	67.8	5.4	67.8	67.8	66.6	62.2	57.8	53.4	61.8	5.7	61.8	61.8	61.2	57.3	53.4	49.4
4500	72	83.7	5.8	9.3	4.3	-0.7	-5.7	-	-	82.0	6.3	6.8	2.2	-2.3	-6.9	-	-
	67	82.7	5.7	41.3	36.3	31.3	26.3	21.2	-	76.4	6.1	37.0	32.5	27.9	23.4	18.8	-
	62	73.9	5.5	69.2	65.7	60.7	55.6	50.6	45.6	67.2	5.8	63.8	61.1	57.8	53.2	48.7	44.1
	57	67.4	5.4	67.4	67.4	66.7	61.7	56.7	51.7	61.8	5.7	61.8	61.8	61.5	56.9	52.4	47.8
5000	72	83.1	5.8	10.5	4.9	-0.8	-6.4	-	-	82.1	6.3	7.8	2.6	-2.6	-7.8	-	-
	67	82.1	5.7	44.8	39.2	33.5	27.9	22.3	-	76.4	6.1	40.8	35.7	30.5	25.3	20.1	-
	62	73.3	5.5	73.3	70.7	65.0	59.4	53.8	48.1	67.2	5.8	67.2	65.9	63.1	57.9	52.7	47.5
	57	66.9	5.4	66.9	66.9	66.9	61.2	55.6	49.9	61.8	5.8	61.8	61.8	61.8	56.6	51.4	46.2

KT120 (10 ton) reheat (continued)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
				Return dry bulb (°F)								Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
2500	77	80.0	7.0	-9.4	-10.4	-11.4	-	-	-	82.1	7.6	-8.1	-8.6	-9.2	-	-	-
	72	71.0	6.7	0.6	-0.4	-1.4	-2.4	-	-	69.0	7.2	-0.9	-1.4	-1.9	-2.4	-	-
	67	62.0	6.4	10.6	9.6	8.6	7.6	6.7	-	55.9	6.7	6.3	5.8	5.3	4.8	4.3	-
	62	53.5	6.2	21.2	20.2	19.3	18.3	17.3	16.3	47.2	6.5	15.2	14.7	14.2	13.7	13.2	12.7
3000	77	83.2	7.0	-13.6	-15.4	-17.2	-	-	-	85.4	7.6	-12.8	-14.1	-15.4	-	-	-
	72	73.9	6.7	1.5	-0.3	-2.1	-3.9	-	-	71.8	7.1	-0.3	-1.6	-2.9	-4.2	-	-
	67	64.5	6.4	16.6	14.8	13.0	11.2	9.4	-	58.2	6.7	12.2	10.9	9.6	8.3	6.9	-
	62	55.7	6.2	32.6	30.9	29.1	27.3	25.5	23.7	49.1	6.5	27.1	25.7	24.4	23.1	21.8	20.5
	57	51.7	6.1	36.9	35.1	33.3	31.5	29.7	27.9	46.1	6.4	29.9	28.6	27.3	26.0	24.6	23.3
3500	77	86.5	7.0	-17.7	-20.3	-23.0	-	-	-	88.7	7.5	-17.4	-19.5	-21.7	-	-	-
	72	76.8	6.7	2.4	-0.2	-2.8	-5.4	-	-	74.6	7.1	0.3	-1.8	-3.9	-6.1	-	-
	67	67.0	6.4	22.6	20.0	17.3	14.7	12.1	-	60.4	6.7	18.1	16.0	13.8	11.7	9.6	-
	62	57.9	6.1	44.1	41.5	38.9	36.2	33.6	31.0	51.0	6.5	38.9	36.8	34.6	32.5	30.4	28.2
	57	53.7	6.1	46.3	45.4	44.5	41.9	39.3	36.7	47.9	6.4	39.8	39.1	38.8	36.7	34.5	32.4
4000	77	89.8	7.0	-21.9	-25.3	-28.7	-	-	-	92.0	7.5	-22.0	-25.0	-27.9	-	-	-
	72	79.7	6.7	3.4	-0.1	-3.5	-6.9	-	-	77.4	7.1	1.0	-2.0	-4.9	-7.9	-	-
	67	69.6	6.4	28.6	25.2	21.7	18.3	14.9	-	62.7	6.7	24.0	21.0	18.1	15.1	12.2	-
	62	60.1	6.1	55.5	52.1	48.6	45.2	41.8	38.3	52.9	6.4	50.7	47.8	44.8	41.9	38.9	36.0
	57	55.8	6.0	55.8	55.8	55.8	52.3	48.9	45.5	49.7	6.3	49.7	49.7	49.7	47.4	44.4	41.5
4500	72	80.4	6.7	4.2	0.1	-4.0	-8.0	-	-	78.7	7.1	1.6	-2.0	-5.6	-9.2	-	-
	67	70.2	6.4	32.7	28.6	24.6	20.5	16.4	-	63.9	6.7	28.4	24.8	21.2	17.6	14.0	-
	62	60.6	6.2	58.3	56.6	54.9	50.8	46.7	42.6	54.0	6.5	52.9	52.1	52.0	48.4	44.8	41.2
	57	56.2	6.1	56.2	56.2	56.2	52.2	48.1	44.0	50.7	6.4	50.7	50.7	50.7	47.4	43.8	40.2
5000	72	81.1	6.7	5.0	0.3	-4.4	-9.2	-	-	80.0	7.2	2.3	-2.0	-6.3	-10.5	-	-
	67	70.8	6.4	36.9	32.1	27.4	22.7	18.0	-	65.1	6.8	32.9	28.6	24.3	20.1	15.8	-
	62	61.1	6.2	61.1	61.1	61.1	56.4	51.7	46.9	55.0	6.6	55.0	55.0	55.0	54.9	50.6	46.3
	57	56.7	6.1	56.7	56.7	56.7	52.0	47.3	42.5	51.7	6.5	51.7	51.7	51.7	47.4	43.1	38.8

1. These capacities are gross ratings. For net capacity, deduct the air blower motor, MBh = 3.415 x kW. Refer to the appropriate blower performance table for the kW of the supply air blower motor.
2. These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

KT150 (12.5 ton) reheat

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
		35°F								45°F							
3125	77	109.3	5.9	55.2	49.6	44.0	-	-	-	104.0	6.5	42.1	36.8	31.4	-	-	-
	72	102.6	5.9	68.8	63.2	57.6	52.0	-	-	97.0	6.4	57.0	51.6	46.2	40.9	-	-
	67	95.9	5.8	82.4	76.8	71.2	65.6	60.0	-	90.0	6.3	71.8	66.4	61.1	55.7	50.3	-
	62	90.8	5.8	90.8	84.2	80.5	74.9	69.3	63.7	84.7	6.3	84.4	75.9	70.6	65.2	59.8	54.4
3750	77	113.9	5.9	58.1	52.4	46.7	-	-	-	107.5	6.5	45.2	39.5	33.9	-	-	-
	72	106.9	5.9	72.3	66.5	60.8	55.1	-	-	100.3	6.4	61.2	55.5	49.9	44.2	-	-
	67	99.9	5.8	86.4	80.7	75.0	69.3	63.6	-	93.1	6.3	77.2	71.5	65.9	60.2	54.6	-
	62	94.7	5.8	94.7	90.3	84.6	78.9	73.2	67.5	87.6	6.2	87.4	81.8	76.1	70.5	64.9	59.2
	57	94.2	5.7	94.2	93.9	88.2	82.5	76.8	71.1	86.3	6.2	86.3	83.4	77.7	72.1	66.5	60.8
4375	77	118.6	5.9	61.1	55.3	49.5	-	-	-	111.1	6.5	48.2	42.3	36.4	-	-	-
	72	111.3	5.8	75.7	69.9	64.1	58.3	-	-	103.7	6.4	65.4	59.4	53.5	47.6	-	-
	67	104.0	5.8	90.3	84.5	78.7	72.9	67.1	-	96.2	6.3	82.5	76.6	70.7	64.8	58.9	-
	62	98.5	5.7	98.5	96.3	88.6	82.8	77.0	71.2	90.6	6.2	90.5	87.6	81.7	75.8	69.9	64.0
	57	98.0	5.7	98.0	97.8	92.5	86.7	80.9	75.1	89.2	6.2	89.2	87.7	83.4	77.5	71.6	65.7
5000	77	123.2	5.9	64.1	58.2	52.3	-	-	-	114.7	6.4	51.2	45.0	38.8	-	-	-
	72	115.7	5.8	79.2	73.2	67.3	61.4	-	-	107.0	6.3	69.5	63.4	57.2	51.0	-	-
	67	108.1	5.8	94.2	88.3	82.4	76.5	70.6	-	99.3	6.2	87.9	81.7	75.5	69.4	63.2	-
	62	102.4	5.7	102.4	102.4	92.7	86.8	80.9	75.0	93.5	6.2	93.5	93.5	87.3	81.1	74.9	68.8
	57	101.8	5.7	101.8	101.8	96.9	91.0	85.1	79.2	92.1	6.2	92.1	92.1	89.1	82.9	76.8	70.6
5250	72	117.2	5.9	79.6	73.9	68.1	62.3	-	-	108.1	6.4	70.0	63.9	57.8	51.7	-	-
	67	109.5	5.8	94.9	89.1	83.3	77.5	71.7	-	100.3	6.3	88.6	82.5	76.4	70.3	64.2	-
	62	103.7	5.8	103.7	103.7	93.7	87.9	82.2	76.4	94.4	6.2	94.4	94.4	88.3	82.2	76.1	70.0
	57	103.2	5.7	103.2	103.2	97.9	92.2	86.4	80.6	93.0	6.2	93.0	93.0	90.1	84.0	77.9	71.8
5500	72	118.8	6.0	80.1	74.5	68.8	63.1	-	-	109.1	6.4	70.5	64.5	58.5	52.5	-	-
	67	111.0	5.9	95.5	89.9	84.2	78.5	72.8	-	101.3	6.3	89.2	83.2	77.2	71.2	65.2	-
	62	105.1	5.9	105.1	105.0	94.7	89.1	83.4	77.7	95.3	6.3	95.3	95.3	89.2	83.2	77.2	71.2
	57	104.5	5.8	104.5	104.5	99.0	93.3	87.7	82.0	93.9	6.3	93.9	93.9	91.1	85.1	79.1	73.1
		55°F								65°F							
3125	77	98.7	7.1	29.1	24.0	18.8	-	-	-	87.0	7.9	15.5	11.4	7.4	-	-	-
	72	91.4	6.9	45.2	40.0	34.9	29.7	-	-	78.6	7.6	30.2	26.1	22.1	18.1	-	-
	67	84.1	6.8	61.2	56.0	50.9	45.7	40.6	-	70.2	7.4	44.9	40.9	36.8	32.8	28.8	-
	62	78.6	6.7	76.0	67.7	60.7	55.5	50.4	45.2	63.7	7.3	57.3	50.5	45.4	41.4	37.4	33.4
3750	77	101.2	7.1	32.2	26.6	21.0	-	-	-	90.2	7.8	17.2	12.6	8.0	-	-	-
	72	93.7	6.9	50.1	44.5	38.9	33.3	-	-	81.5	7.6	34.4	29.9	25.3	20.8	-	-
	67	86.3	6.8	68.0	62.4	56.8	51.2	45.7	-	72.7	7.3	51.7	47.1	42.6	38.0	33.5	-
	62	80.6	6.7	78.9	73.3	67.7	62.1	56.6	51.0	66.0	7.2	61.8	57.2	52.6	48.1	43.5	39.0
	57	78.5	6.7	78.5	72.9	67.3	61.7	56.1	50.6	63.9	7.2	62.3	57.7	53.2	48.6	44.0	39.5
4375	77	103.7	7.0	35.2	29.2	23.2	-	-	-	93.4	7.8	18.9	13.8	8.7	-	-	-
	72	96.0	6.9	55.0	49.0	43.0	37.0	-	-	84.4	7.5	38.7	33.6	28.5	23.4	-	-
	67	88.4	6.7	74.8	68.8	62.8	56.7	50.7	-	75.3	7.3	58.5	53.4	48.3	43.3	38.2	-
	62	82.6	6.7	81.7	78.9	74.8	68.8	62.8	56.8	68.3	7.2	66.2	63.9	59.9	54.8	49.7	44.6
	57	80.4	6.7	80.4	77.6	74.3	68.3	62.3	56.3	66.1	7.2	65.3	63.0	60.5	55.4	50.3	45.2
5000	77	106.2	7.0	38.3	31.9	25.4	-	-	-	96.7	7.7	20.6	14.9	9.3	-	-	-
	72	98.3	6.8	59.9	53.5	47.1	40.6	-	-	87.3	7.5	43.0	37.3	31.7	26.0	-	-
	67	90.5	6.7	81.6	75.1	68.7	62.2	55.8	-	77.8	7.2	65.4	59.7	54.1	48.5	42.8	-
	62	84.6	6.6	84.6	84.6	81.9	75.4	69.0	62.5	70.6	7.2	70.6	70.6	67.1	61.5	55.8	50.2
	57	82.3	6.6	82.3	82.3	81.3	74.9	68.5	62.0	68.3	7.2	68.3	68.3	67.8	62.2	56.6	50.9
5250	72	98.9	6.9	60.4	54.0	47.6	41.2	-	-	87.8	7.5	43.6	37.9	32.3	26.6	-	-
	67	91.0	6.8	82.3	75.9	69.5	63.1	56.7	-	78.3	7.3	66.6	60.9	55.2	49.6	43.9	-
	62	85.1	6.7	85.1	85.1	82.8	76.4	70.0	63.6	71.0	7.2	71.0	71.0	68.6	62.9	57.2	51.5
	57	82.8	6.7	82.8	82.8	82.3	75.9	69.5	63.1	68.8	7.2	68.8	68.8	68.5	62.8	57.1	51.5
5500	72	99.4	6.9	60.8	54.5	48.1	41.8	-	-	88.4	7.6	44.3	38.6	32.9	27.1	-	-
	67	91.5	6.8	83.0	76.6	70.3	63.9	57.6	-	78.8	7.3	67.8	62.1	56.4	50.7	45.0	-
	62	85.5	6.7	85.5	85.5	83.8	77.4	71.1	64.7	71.5	7.2	71.5	71.5	70.0	64.3	58.6	52.9
	57	83.3	6.7	83.3	83.3	83.2	76.9	70.5	64.2	69.2	7.2	69.2	69.2	69.2	63.5	57.7	52.0

KT150 (12.5 ton) reheat (continued)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
				Return dry bulb (°F)								Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
3125	77	75.3	8.6	1.8	-1.1	-4.0	-	-	-	63.6	9.4	-11.9	-13.6	-15.4	-	-	-
	72	65.7	8.3	15.2	12.3	9.4	6.5	-	-	52.9	9.0	0.2	-1.6	-3.3	-5.0	-	-
	67	56.2	8.0	28.5	25.7	22.8	19.9	17.1	-	42.2	8.5	12.2	10.5	8.8	7.0	5.3	-
	62	48.9	7.8	38.6	33.3	30.2	27.3	24.4	21.6	34.0	8.4	19.9	16.2	15.0	13.2	11.5	9.8
3750	77	79.3	8.6	2.1	-1.4	-4.9	-	-	-	68.3	9.3	-12.9	-15.4	-17.9	-	-	-
	72	69.2	8.2	18.8	15.2	11.7	8.2	-	-	57.0	8.9	3.1	0.6	-1.9	-4.4	-	-
	67	59.2	7.9	35.4	31.9	28.4	24.8	21.3	-	45.6	8.5	19.1	16.6	14.1	11.6	9.1	-
	62	51.4	7.8	44.6	41.1	37.6	34.0	30.5	27.0	36.9	8.3	27.5	25.0	22.5	20.0	17.5	15.0
	57	49.4	7.8	46.1	42.5	39.0	35.5	32.0	28.4	34.8	8.3	29.9	27.4	24.9	22.4	19.9	17.4
4375	77	83.2	8.5	2.5	-1.7	-5.9	-	-	-	73.0	9.2	-13.9	-17.2	-20.5	-	-	-
	72	72.7	8.2	22.4	18.2	14.0	9.8	-	-	61.0	8.8	6.1	2.8	-0.5	-3.7	-	-
	67	62.1	7.8	42.3	38.1	33.9	29.8	25.6	-	49.0	8.4	26.1	22.8	19.5	16.3	13.0	-
	62	54.0	7.7	50.6	48.9	44.9	40.8	36.6	32.4	39.7	8.3	35.1	33.8	30.0	26.7	23.5	20.2
	57	51.8	7.7	50.2	48.4	46.7	42.5	38.3	34.1	37.6	8.3	35.1	33.8	32.8	29.6	26.3	23.1
5000	77	87.2	8.4	2.8	-2.0	-6.9	-	-	-	77.8	9.2	-15.0	-19.0	-23.0	-	-	-
	72	76.2	8.1	26.0	21.2	16.3	11.5	-	-	65.1	8.7	9.0	5.0	0.9	-3.1	-	-
	67	65.1	7.8	49.2	44.3	39.5	34.7	29.8	-	52.4	8.3	33.0	28.9	24.9	20.9	16.9	-
	62	56.6	7.7	56.6	56.6	52.3	47.5	42.6	37.8	42.6	8.2	42.6	42.6	37.5	33.5	29.5	25.5
	57	54.3	7.7	54.3	54.3	54.3	49.5	44.7	39.8	40.3	8.2	40.3	40.3	40.3	36.8	32.8	28.7
5250	72	76.7	8.2	26.9	21.9	16.9	12.0	-	-	65.6	8.8	10.1	5.9	1.6	-2.6	-	-
	67	65.6	7.8	50.9	46.0	41.0	36.1	31.1	-	52.9	8.4	35.3	31.0	26.8	22.5	18.3	-
	62	57.0	7.7	57.0	57.0	54.3	49.3	44.4	39.4	43.0	8.2	43.0	43.0	40.1	35.8	31.6	27.3
	57	54.7	7.7	54.7	54.7	54.7	49.8	44.8	39.8	40.7	8.3	40.7	40.7	40.7	36.7	32.4	28.2
5500	72	77.3	8.2	27.7	22.7	17.6	12.5	-	-	66.2	8.9	11.2	6.7	2.3	-2.2	-	-
	67	66.1	7.9	52.7	47.6	42.5	37.4	32.3	-	53.3	8.4	37.6	33.1	28.6	24.2	19.7	-
	62	57.4	7.8	57.4	57.4	56.3	51.2	46.1	41.0	43.4	8.3	43.4	43.4	42.6	38.1	33.7	29.2
	57	55.1	7.8	55.1	55.1	55.1	50.0	44.9	39.8	41.0	8.3	41.0	41.0	41.0	36.6	32.1	27.7

1. These capacities are gross ratings. For net capacity, deduct the air blower motor, MBh = 3.415 x kW. Refer to the appropriate blower performance table for the kW of the supply air blower motor.
2. These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

KB078-150 cooling capacities

KB078 (6.5 ton) cooling capacity

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
				Return dry bulb (°F)								Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
1625	77	103.4	4.3	49.7	41.8	33.8	-	-	-	99.4	4.9	47.3	39.6	32.0	-	-	-
	72	92.2	4.3	58.6	50.5	42.3	34.2	-	-	88.3	4.9	56.9	48.7	40.5	32.2	-	-
	67	81.0	4.3	67.4	59.1	50.9	42.2	34.4	-	77.2	4.9	66.5	57.7	48.9	40.3	32.2	-
	62	72.6	4.3	72.6	69.4	59.4	50.3	42.6	34.3	69.4	4.9	69.4	67.0	57.4	48.5	40.4	31.9
1950	77	106.0	4.4	55.9	45.5	35.0	-	-	-	100.7	4.9	53.8	43.4	33.0	-	-	-
	72	95.4	4.3	65.0	55.1	45.2	35.3	-	-	90.6	4.9	63.1	53.1	43.2	33.2	-	-
	67	84.7	4.3	74.2	64.8	55.5	45.1	35.4	-	80.5	4.9	72.3	62.9	53.4	43.1	33.2	-
	62	78.1	4.3	78.1	74.7	65.7	55.0	45.4	35.3	74.4	4.9	74.4	72.0	63.6	53.0	43.1	32.8
	57	71.4	4.3	71.4	71.4	71.4	65.7	55.4	45.1	68.3	4.9	68.3	68.3	68.3	63.4	53.0	42.5
2275	77	108.5	4.4	62.1	49.1	36.2	-	-	-	102.0	4.9	60.3	47.1	33.9	-	-	-
	72	98.5	4.4	71.5	59.8	48.2	36.5	-	-	92.9	4.9	69.2	57.6	45.9	34.2	-	-
	67	88.5	4.3	80.9	70.5	60.1	48.1	36.5	-	83.8	4.9	78.1	68.0	57.9	45.9	34.1	-
	62	83.5	4.3	83.5	80.0	72.1	59.7	48.2	36.2	79.4	4.9	79.4	76.9	69.8	57.6	45.7	33.7
	57	78.6	4.3	78.6	78.6	78.6	72.0	59.9	47.8	74.9	4.9	74.9	74.9	74.9	69.6	57.3	45.1
2600	77	111.1	4.4	68.3	52.8	37.3	-	-	-	103.3	5.0	66.9	50.9	34.9	-	-	-
	72	101.7	4.4	77.9	64.5	51.1	37.6	-	-	95.2	5.0	75.4	62.0	48.6	35.2	-	-
	67	92.2	4.4	87.6	76.2	64.8	51.0	37.6	-	87.2	4.9	83.9	73.1	62.3	48.6	35.1	-
	62	89.0	4.3	89.0	85.3	78.5	64.4	51.0	37.2	84.4	4.9	84.4	81.9	76.1	62.1	48.4	34.5
	57	85.8	4.3	85.8	85.8	85.8	78.3	64.4	50.5	81.5	4.9	81.5	81.5	81.5	75.7	61.7	47.6
2925	72	104.8	4.4	84.4	69.2	54.0	38.8	-	-	97.5	5.0	81.5	66.4	51.3	36.2	-	-
	67	96.0	4.4	94.3	81.9	69.4	54.0	38.7	-	90.5	5.0	89.7	78.3	66.8	51.4	36.1	-
	62	94.5	4.4	94.5	90.6	84.9	69.2	53.8	38.2	89.3	5.0	89.3	86.9	82.3	66.6	51.0	35.4
	57	93.0	4.4	93.0	93.0	93.0	84.6	68.9	53.1	88.2	5.0	88.2	88.2	88.2	81.9	66.0	50.1
3250	72	108.0	4.4	90.8	73.9	56.9	39.9	-	-	99.8	5.0	87.7	70.9	54.1	37.2	-	-
	67	100.2	4.4	99.9	87.5	74.1	56.9	39.7	-	95.3	5.0	93.0	83.4	71.3	54.2	37.1	-
	62	99.9	4.4	99.9	95.9	91.3	73.9	56.6	39.2	94.3	5.0	94.3	91.8	88.5	71.1	53.7	36.3
	57	99.7	4.4	99.7	99.7	99.7	90.9	73.4	55.8	93.8	5.0	93.8	93.8	93.8	88.0	70.3	52.6
		95°F								105°F							
1625	77	95.4	5.5	44.9	37.5	30.2	-	-	-	90.1	6.3	42.1	35.0	27.9	-	-	-
	72	84.4	5.5	55.3	46.9	38.6	30.3	-	-	79.5	6.3	52.9	44.6	36.3	27.9	-	-
	67	73.3	5.5	65.7	56.3	47.0	38.5	30.1	-	69.0	6.3	63.7	54.1	44.6	36.1	27.6	-
	62	66.3	5.5	66.3	64.5	55.4	46.8	38.2	29.6	64.1	6.3	64.1	61.0	52.9	44.3	35.6	26.9
1950	77	95.5	5.5	51.7	41.3	30.9	-	-	-	90.5	6.3	49.2	38.8	28.4	-	-	-
	72	85.8	5.5	61.1	51.1	41.1	31.1	-	-	80.7	6.3	58.6	48.6	38.6	28.6	-	-
	67	76.2	5.5	70.5	60.9	51.3	41.1	30.9	-	71.8	6.3	67.9	58.4	48.8	38.6	28.3	-
	62	70.8	5.5	70.8	69.2	61.5	51.1	40.7	30.3	68.0	6.3	68.0	65.6	59.0	48.5	38.0	27.6
	57	65.3	5.5	65.3	65.3	65.3	61.1	50.5	39.9	64.1	6.3	64.1	64.1	64.1	58.5	47.8	37.1
2275	77	95.5	5.5	58.6	45.1	31.7	-	-	-	91.0	6.4	56.3	42.6	28.9	-	-	-
	72	87.3	5.5	67.0	55.3	43.6	32.0	-	-	81.9	6.4	64.2	52.6	40.9	29.3	-	-
	67	79.2	5.5	75.4	65.5	55.6	43.7	31.8	-	74.7	6.4	72.2	62.6	53.0	41.0	29.1	-
	62	75.2	5.5	75.2	73.9	67.6	55.4	43.2	31.1	71.9	6.3	71.9	70.2	65.0	52.8	40.5	28.3
	57	71.3	5.5	71.3	71.3	71.3	67.1	54.7	42.3	69.1	6.3	69.1	69.1	69.1	64.5	52.0	39.4
2600	77	95.5	5.5	65.4	48.9	32.5	-	-	-	91.2	6.4	63.4	46.4	29.3	-	-	-
	72	88.8	5.5	72.8	59.5	46.2	32.8	-	-	83.0	6.4	69.9	56.6	43.2	29.9	-	-
	67	82.1	5.5	80.2	70.1	59.9	46.3	32.7	-	77.6	6.4	76.4	66.8	57.1	43.5	29.8	-
	62	79.7	5.5	79.7	78.5	73.6	59.7	45.8	31.9	75.8	6.4	75.8	74.8	71.0	57.0	43.0	29.0
	57	77.3	5.5	77.3	77.3	77.3	73.1	58.9	44.7	74.1	6.3	74.1	74.1	74.1	70.6	56.2	41.8
2925	72	90.2	5.6	78.7	63.7	48.7	33.7	-	-	84.2	6.4	75.6	60.6	45.6	30.6	-	-
	67	85.0	5.5	85.0	74.7	64.2	48.9	33.5	-	80.5	6.4	80.5	71.0	61.3	45.9	30.5	-
	62	84.2	5.5	84.2	83.2	79.7	64.0	48.3	32.6	79.8	6.4	79.8	79.4	77.1	61.3	45.5	29.7
	57	83.4	5.5	83.4	83.4	83.4	79.2	63.1	47.1	79.1	6.4	79.1	79.1	79.1	76.6	60.4	44.2
3250	72	91.7	5.6	84.6	67.9	51.2	34.6	-	-	85.4	6.4	81.2	64.6	47.9	31.2	-	-
	67	89.0	5.6	89.0	79.2	68.5	51.4	34.4	-	84.5	6.4	84.5	75.2	65.5	48.4	31.2	-
	62	88.7	5.6	88.7	87.8	85.8	68.3	50.8	33.4	84.1	6.4	84.1	83.9	83.1	65.5	47.9	30.3
	57	88.5	5.6	88.5	88.5	88.5	85.2	67.3	49.4	83.3	6.4	83.3	83.3	83.3	82.6	64.6	46.6

KB078 (6.5 ton) cooling capacity

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
		115°F								125°F							
1625	77	84.8	7.1	39.3	32.5	25.7	-	-	-	79.4	8.0	36.6	30.0	23.4	-	-	-
	72	74.7	7.1	50.5	42.2	33.9	25.6	-	-	69.9	8.0	48.2	39.9	31.6	23.3	-	-
	67	64.6	7.1	61.7	52.0	42.2	33.7	25.1	-	60.3	8.0	59.7	49.8	39.8	31.2	22.7	-
	62	61.9	7.1	61.9	57.4	50.5	41.7	33.0	24.2	59.6	8.0	59.6	53.9	48.0	39.2	30.3	21.5
1950	77	83.7	7.2	46.7	36.3	25.8	-	-	-	77.8	8.0	44.2	33.7	23.3	-	-	-
	72	75.6	7.2	56.0	46.0	36.1	26.1	-	-	70.4	8.0	53.5	43.5	33.5	23.5	-	-
	67	67.4	7.2	65.3	55.8	46.3	36.0	25.7	-	63.1	8.0	62.7	53.2	43.7	33.4	23.1	-
	62	65.2	7.1	65.2	61.9	56.5	45.9	35.4	24.8	62.5	8.0	62.5	58.3	53.9	43.3	32.7	22.1
	57	63.0	7.1	63.0	63.0	63.0	55.8	45.0	34.2	61.9	8.0	61.9	61.9	61.9	53.2	42.2	31.3
2275	77	82.6	7.2	54.0	40.0	26.0	-	-	-	76.2	8.1	51.8	37.5	23.2	-	-	-
	72	76.4	7.2	61.5	49.8	38.2	26.5	-	-	71.0	8.0	58.8	47.1	35.4	23.8	-	-
	67	70.3	7.2	68.9	59.6	50.3	38.3	26.3	-	65.8	8.0	65.7	56.7	47.7	35.6	23.6	-
	62	68.6	7.2	68.6	66.5	62.4	50.1	37.8	25.4	65.3	8.0	65.3	62.8	59.9	47.5	35.0	22.6
	57	66.9	7.2	66.9	66.9	66.9	61.9	49.2	36.6	64.7	8.0	64.7	64.7	64.7	59.3	46.5	33.7
2600	77	81.5	7.3	61.4	43.8	26.2	-	-	-	74.5	8.2	59.4	41.3	23.1	-	-	-
	72	77.3	7.2	67.0	53.6	40.3	27.0	-	-	71.6	8.1	64.0	50.7	37.4	24.0	-	-
	67	73.1	7.2	72.6	63.5	54.4	40.6	26.9	-	68.6	8.0	68.6	60.2	51.6	37.8	24.0	-
	62	72.0	7.2	72.0	71.0	68.4	54.3	40.2	26.1	68.1	8.0	68.1	67.2	65.8	51.6	37.4	23.2
	57	70.9	7.2	70.9	70.9	70.9	68.0	53.5	39.0	67.6	8.0	67.6	67.6	67.6	65.4	50.7	36.1
2925	72	78.2	7.3	72.5	57.4	42.4	27.4	-	-	72.1	8.1	69.3	54.3	39.3	24.3	-	-
	67	75.9	7.2	75.9	67.3	58.4	43.0	27.5	-	71.3	8.0	71.3	63.6	55.5	40.0	24.5	-
	62	75.3	7.2	75.3	75.3	74.4	58.5	42.6	26.7	70.9	8.0	70.9	70.9	70.9	55.7	39.7	23.7
	57	74.8	7.2	74.8	74.8	74.8	74.0	57.7	41.3	70.5	8.0	70.5	70.5	70.5	70.5	55.0	38.5
3250	72	79.0	7.3	77.9	61.3	44.6	27.9	-	-	74.3	8.2	74.3	57.9	41.2	24.5	-	-
	67	78.7	7.2	78.7	71.1	62.5	45.3	28.1	-	74.1	8.1	74.1	67.1	59.5	42.2	24.9	-
	62	78.7	7.2	78.7	78.7	78.7	62.7	45.0	27.3	73.2	8.1	73.2	73.2	73.2	59.9	42.1	24.3
	57	78.7	7.2	78.7	78.7	78.7	78.7	61.9	43.7	73.0	8.1	73.0	73.0	73.0	73.0	59.2	40.9

1. These capacities are gross ratings. For net capacity, deduct the air blower motor, MBh = 3.415 x kW. Refer to the appropriate blower performance table for the kW of the supply air blower motor.
2. These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

KB090 (7.5 ton) cooling capacity

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
1875	77	123.4	5.1	58.6	49.8	41.0	-	-	-	116.5	5.8	55.5	44.9	34.3	-	-	-
	72	110.2	5.1	69.1	59.6	50.1	40.6	-	-	104.3	5.8	66.8	55.1	43.3	31.6	-	-
	67	96.9	5.0	79.6	69.4	59.2	49.8	40.5	-	92.0	5.7	78.1	65.2	52.3	42.9	33.6	-
	62	86.1	5.0	86.1	80.8	68.3	59.0	50.0	40.9	82.2	5.6	82.2	76.2	61.3	54.3	47.5	40.5
2250	77	125.2	5.2	64.9	53.2	41.6	-	-	-	117.5	5.8	62.3	48.9	35.5	-	-	-
	72	112.9	5.1	76.0	64.5	53.0	41.5	-	-	106.3	5.8	73.5	60.2	46.9	33.6	-	-
	67	100.5	5.0	87.0	75.7	64.4	52.9	41.5	-	95.2	5.7	84.7	71.5	58.2	46.7	35.3	-
	62	91.7	5.0	91.7	86.9	75.8	64.2	53.0	41.6	87.5	5.6	87.5	82.3	69.6	59.9	50.3	40.6
	57	83.0	4.9	83.0	83.0	83.0	75.8	64.4	53.1	79.8	5.6	79.8	79.8	79.8	73.1	65.3	57.4
2625	77	127.0	5.2	71.1	56.6	42.2	-	-	-	118.4	5.9	69.1	53.0	36.8	-	-	-
	72	115.6	5.1	82.8	69.3	55.9	42.4	-	-	108.4	5.8	80.2	65.3	50.5	35.6	-	-
	67	104.1	5.1	94.5	82.0	69.6	56.0	42.5	-	98.4	5.7	91.3	77.7	64.2	50.5	36.9	-
	62	97.4	5.0	97.4	92.9	83.3	69.5	55.9	42.2	92.8	5.7	92.8	88.4	77.8	65.4	53.1	40.7
	57	90.7	5.0	90.7	90.7	90.7	83.2	69.4	55.6	87.2	5.6	87.2	87.2	87.2	80.4	69.3	58.1
3000	77	128.8	5.2	77.3	60.1	42.8	-	-	-	119.4	5.9	75.9	57.0	38.0	-	-	-
	72	118.2	5.2	89.6	74.2	58.8	43.4	-	-	110.5	5.8	86.9	70.5	54.1	37.6	-	-
	67	107.7	5.1	101.9	88.3	74.8	59.1	43.4	-	101.5	5.8	97.9	84.0	70.1	54.3	38.6	-
	62	103.1	5.1	103.1	99.0	90.8	74.7	58.9	42.9	98.1	5.7	98.1	94.5	86.1	71.0	55.9	40.8
	57	98.4	5.0	98.4	98.4	98.4	90.5	74.3	58.1	94.6	5.7	94.6	94.6	94.6	87.7	73.3	58.8
3375	72	120.9	5.2	96.4	79.1	61.7	44.3	-	-	112.5	5.8	93.6	75.6	57.7	39.7	-	-
	67	111.3	5.1	109.3	94.6	80.0	62.2	44.4	-	104.7	5.8	104.4	90.2	76.0	58.1	40.2	-
	62	108.7	5.1	108.7	105.1	98.2	80.0	61.8	43.6	103.4	5.8	103.4	100.6	94.4	76.5	58.7	40.9
	57	106.2	5.1	106.2	106.2	106.2	97.9	79.2	60.6	102.0	5.7	102.0	102.0	102.0	95.0	77.2	59.5
3750	72	123.6	5.2	103.2	83.9	64.6	45.3	-	-	114.6	5.9	100.3	80.8	61.2	41.7	-	-
	67	114.9	5.1	114.9	100.9	85.2	65.3	45.4	-	107.9	5.8	107.9	96.5	81.9	61.9	41.9	-
	62	114.4	5.1	114.4	111.1	105.7	85.2	64.8	44.3	108.7	5.8	108.7	106.7	102.6	82.1	61.6	41.0
	57	113.9	5.1	113.9	113.9	113.9	105.2	84.2	63.1	109.5	5.8	109.5	109.5	109.5	102.3	81.2	60.2
		95°F								105°F							
1875	77	109.6	6.5	52.3	40.0	27.6	-	-	-	102.6	7.5	47.8	37.5	27.3	-	-	-
	72	98.4	6.4	64.5	50.5	36.5	22.5	-	-	91.8	7.4	61.2	48.8	36.4	24.0	-	-
	67	87.1	6.4	76.7	61.1	45.5	36.1	26.7	-	81.0	7.3	74.7	60.1	45.5	36.1	26.6	-
	62	78.3	6.2	78.3	71.6	54.4	49.6	44.9	40.2	75.2	7.2	75.2	68.7	54.6	48.1	41.6	35.1
2250	77	109.8	6.5	59.7	44.6	29.5	-	-	-	102.4	7.5	56.0	42.2	28.5	-	-	-
	72	99.8	6.4	71.1	55.9	40.8	25.7	-	-	93.2	7.4	67.8	53.9	40.0	26.1	-	-
	67	89.8	6.4	82.4	67.2	52.1	40.6	29.1	-	84.0	7.3	79.6	65.5	51.5	39.9	28.2	-
	62	83.2	6.3	83.2	77.7	63.4	55.5	47.6	39.7	79.5	7.2	79.5	74.5	63.0	53.6	44.2	34.8
	57	76.6	6.2	76.6	76.6	74.7	70.4	66.1	61.8	75.1	7.2	75.1	75.1	74.5	67.3	60.2	53.1
2625	77	109.9	6.5	67.1	49.3	31.4	-	-	-	102.1	7.5	64.1	46.9	29.7	-	-	-
	72	101.2	6.5	77.6	61.4	45.1	28.8	-	-	94.5	7.4	74.3	59.0	43.6	28.3	-	-
	67	92.6	6.4	88.1	73.4	58.7	45.1	31.4	-	86.9	7.3	84.5	71.0	57.5	43.7	29.9	-
	62	88.2	6.3	88.2	83.9	72.4	61.3	50.3	39.2	83.9	7.3	83.9	80.3	71.4	59.1	46.8	34.6
	57	83.7	6.3	83.7	83.7	83.7	77.6	69.2	60.7	80.9	7.2	80.9	80.9	80.9	74.5	63.8	53.0
3000	77	110.0	6.5	74.6	53.9	33.3	-	-	-	101.8	7.5	72.3	51.6	31.0	-	-	-
	72	102.7	6.5	84.2	66.8	49.3	31.9	-	-	95.9	7.4	80.8	64.0	47.2	30.4	-	-
	67	95.4	6.4	93.9	79.6	65.4	49.6	33.7	-	89.9	7.4	89.4	76.4	63.5	47.5	31.5	-
	62	93.1	6.4	93.1	90.0	81.4	67.2	53.0	38.7	88.3	7.3	88.3	86.1	79.7	64.6	49.4	34.3
	57	90.8	6.3	90.8	90.8	90.8	84.9	72.2	59.6	86.6	7.3	86.6	86.6	86.6	81.7	67.3	53.0
3375	72	104.1	6.5	90.8	72.2	53.6	35.0	-	-	97.2	7.4	87.4	69.1	50.8	32.6	-	-
	67	98.1	6.5	98.1	85.8	72.0	54.0	36.0	-	92.9	7.4	92.9	81.9	69.5	51.3	33.2	-
	62	98.0	6.4	98.0	96.2	90.5	73.1	55.6	38.2	92.6	7.4	92.6	92.0	88.1	70.1	52.0	34.0
	57	97.9	6.4	97.9	97.9	97.9	92.1	75.2	58.4	92.3	7.4	92.3	92.3	92.3	88.8	70.9	53.0
3750	72	105.6	6.5	97.3	77.6	57.9	38.2	-	-	98.6	7.4	93.9	74.2	54.4	34.7	-	-
	67	100.9	6.5	100.9	92.0	78.7	58.5	38.4	-	95.8	7.4	95.8	87.3	75.5	55.1	34.8	-
	62	102.9	6.5	102.9	102.3	99.5	78.9	58.3	37.8	97.0	7.4	97.0	97.0	96.5	75.6	54.6	33.7
	57	105.0	6.5	104.9	104.9	104.9	99.3	78.3	57.3	98.1	7.4	98.1	98.1	98.1	96.0	74.5	53.0

KB090 (7.5 ton) cooling capacity

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
		115°F								125°F							
1875	77	95.6	8.4	43.3	35.1	27.0	-	-	-	88.6	9.4	38.7	32.7	26.7	-	-	-
	72	85.3	8.3	58.0	47.1	36.3	25.4	-	-	78.7	9.3	54.7	45.4	36.2	26.9	-	-
	67	74.9	8.2	72.7	59.1	45.6	36.0	26.5	-	68.8	9.1	68.8	58.2	45.6	36.0	26.3	-
	62	72.1	8.1	72.1	65.8	54.9	46.6	38.3	30.1	69.0	9.1	69.0	62.9	55.1	45.1	35.0	25.0
2250	77	95.0	8.4	52.2	39.9	27.5	-	-	-	87.6	9.4	48.4	37.5	26.6	-	-	-
	72	86.5	8.3	64.5	51.9	39.2	26.6	-	-	79.9	9.3	61.2	49.8	38.4	27.1	-	-
	67	78.1	8.2	76.8	63.8	50.9	39.2	27.4	-	72.2	9.1	72.2	62.1	50.3	38.5	26.6	-
	62	75.9	8.2	75.9	71.3	62.6	51.7	40.9	30.0	72.2	9.1	72.2	68.0	62.2	49.8	37.5	25.1
	57	73.7	8.1	73.7	73.7	73.7	64.3	54.3	44.3	72.2	9.1	72.2	72.2	72.2	61.2	48.4	35.5
2625	77	94.3	8.4	61.1	44.6	28.1	-	-	-	86.5	9.4	58.1	42.3	26.5	-	-	-
	72	87.8	8.3	71.0	56.6	42.2	27.8	-	-	81.0	9.3	67.7	54.2	40.7	27.3	-	-
	67	81.2	8.2	80.9	68.6	56.2	42.3	28.4	-	75.6	9.2	75.6	66.1	55.0	40.9	26.9	-
	62	79.6	8.2	79.6	76.8	70.3	56.8	43.4	29.9	75.4	9.2	75.4	73.2	69.3	54.6	39.9	25.3
	57	78.0	8.2	78.0	78.0	78.0	71.4	58.4	45.4	75.2	9.2	75.2	75.2	75.2	68.3	53.0	37.7
3000	77	93.6	8.4	70.0	49.3	28.7	-	-	-	85.5	9.3	67.8	47.0	26.3	-	-	-
	72	89.0	8.3	77.5	61.3	45.1	28.9	-	-	82.2	9.3	74.1	58.6	43.0	27.4	-	-
	67	84.4	8.3	84.4	73.3	61.6	45.4	29.3	-	79.0	9.2	79.0	70.1	59.7	43.4	27.1	-
	62	83.4	8.3	83.4	82.3	78.0	62.0	45.9	29.8	78.6	9.2	78.6	78.4	76.3	59.3	42.4	25.4
	57	82.4	8.2	82.4	82.4	82.4	78.5	62.5	46.5	78.2	9.2	78.2	78.2	78.2	75.3	57.6	39.9
3375	72	90.3	8.3	84.0	66.0	48.1	30.1	-	-	83.4	9.3	80.6	62.9	45.3	27.6	-	-
	67	87.6	8.3	87.6	78.0	66.9	48.6	30.3	-	82.4	9.2	82.4	74.1	64.3	45.9	27.4	-
	62	87.2	8.3	87.2	87.2	85.7	67.1	48.4	29.8	81.8	9.2	81.8	81.8	81.8	64.1	44.8	25.5
	57	86.8	8.3	86.8	86.8	86.8	85.6	66.6	47.6	81.2	9.2	81.2	81.2	81.2	81.2	62.2	42.1
3750	72	91.6	8.4	90.5	70.8	51.0	31.2	-	-	84.5	9.3	84.5	67.3	47.6	27.8	-	-
	67	90.8	8.3	90.8	82.7	72.2	51.7	31.2	-	85.8	9.3	85.8	78.0	69.0	48.3	27.6	-
	62	91.0	8.3	91.0	91.0	91.0	72.2	50.9	29.7	85.0	9.3	85.0	85.0	85.0	68.8	47.2	25.6
	57	91.2	8.3	91.2	91.2	91.2	91.2	70.7	48.7	84.2	9.3	84.2	84.2	84.2	84.2	66.9	44.3

1. These capacities are gross ratings. For net capacity, deduct the air blower motor, MBh = 3.415 x kW. Refer to the appropriate blower performance table for the kW of the supply air blower motor.
2. These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

KB102 (8.5 ton) cooling capacity

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
2125	77	134.1	5.6	64.4	54.8	45.1	-	-	-	127.3	6.1	60.2	51.7	43.2	-	-	-
	72	120.7	5.5	78.3	67.0	55.7	44.5	-	-	114.6	6.0	75.1	64.3	53.4	42.6	-	-
	67	107.3	5.4	92.1	79.2	66.3	54.9	43.6	-	102.0	6.0	90.1	76.9	63.7	52.5	41.5	-
	62	97.9	5.3	97.9	91.7	76.9	64.4	54.1	42.7	95.3	6.0	95.3	87.8	73.9	62.0	51.2	39.9
2550	77	134.3	5.6	69.7	56.5	43.3	-	-	-	127.5	6.2	67.4	54.8	42.1	-	-	-
	72	122.0	5.5	84.2	70.8	57.4	44.0	-	-	116.2	6.1	81.9	68.7	55.5	42.3	-	-
	67	110.8	5.4	98.6	85.1	71.5	57.7	44.1	-	105.5	6.0	96.3	82.6	68.9	55.3	41.8	-
	62	103.2	5.4	103.2	97.9	85.6	70.7	57.5	43.4	100.0	6.0	100.0	93.9	82.3	68.0	54.5	40.6
	57	95.5	5.3	95.5	95.5	95.5	85.3	70.9	56.5	94.5	6.0	94.5	94.5	94.5	81.5	67.2	53.0
2975	77	135.0	5.7	75.1	58.3	41.5	-	-	-	128.1	6.2	74.7	57.8	41.0	-	-	-
	72	123.3	5.6	90.1	74.6	59.1	43.6	-	-	117.8	6.2	88.6	73.1	57.5	42.0	-	-
	67	114.4	5.4	105.1	90.9	76.7	60.5	44.5	-	109.0	6.1	102.5	88.3	74.1	58.1	42.1	-
	62	108.5	5.4	108.5	104.1	94.3	76.9	60.9	44.2	104.7	6.1	104.7	100.1	90.7	73.9	57.8	41.4
	57	102.6	5.4	102.6	102.6	102.6	94.6	77.3	60.0	100.3	6.1	100.3	100.3	100.3	90.4	73.5	56.6
3400	77	135.1	5.7	80.4	60.0	39.7	-	-	-	128.4	6.3	82.0	60.9	39.8	-	-	-
	72	124.6	5.6	96.0	78.4	60.8	43.1	-	-	119.3	6.2	95.4	77.5	59.6	41.7	-	-
	67	117.9	5.5	111.6	96.7	81.8	63.3	44.9	-	112.5	6.1	108.7	94.1	79.4	60.9	42.5	-
	62	113.8	5.5	113.8	110.2	102.9	83.2	64.3	45.0	109.3	6.1	109.3	106.2	99.2	79.9	61.1	42.1
	57	109.6	5.5	109.6	109.6	109.6	103.8	83.7	63.5	106.1	6.1	106.1	106.1	106.1	99.4	79.8	60.3
3825	72	125.9	5.7	101.9	82.2	62.4	42.7	-	-	120.9	6.3	102.1	81.9	61.7	41.4	-	-
	67	121.5	5.6	118.2	102.6	87.0	66.1	45.3	-	116.0	6.2	114.9	99.8	84.6	63.7	42.8	-
	62	119.1	5.6	119.1	116.4	111.6	89.4	67.7	45.7	114.0	6.2	114.0	112.3	107.6	85.9	64.5	42.9
	57	116.6	5.6	116.6	116.6	116.6	113.1	90.1	67.0	112.0	6.2	112.0	112.0	112.0	108.3	86.1	63.9
4250	72	127.2	5.7	107.9	86.0	64.1	42.2	-	-	122.5	6.3	108.9	86.3	63.7	41.1	-	-
	67	125.0	5.6	124.7	108.4	92.2	68.9	45.7	-	119.5	6.2	119.5	105.5	89.9	66.5	43.2	-
	62	124.3	5.6	124.3	122.5	120.2	95.7	71.1	46.5	118.7	6.2	118.7	118.4	116.0	91.9	67.8	43.7
	57	123.7	5.6	123.7	123.7	123.7	122.4	96.4	70.5	117.8	6.2	117.8	117.8	117.8	117.3	92.4	67.5
		95°F								105°F							
2125	77	120.4	6.6	55.9	48.6	41.3	-	-	-	111.0	7.6	55.9	47.1	38.2	-	-	-
	72	108.6	6.6	72.0	61.6	51.2	40.7	-	-	100.1	7.6	69.7	58.8	48.0	37.1	-	-
	67	96.7	6.6	88.1	74.6	61.0	50.1	39.3	-	89.3	7.5	83.5	70.6	57.8	46.7	35.6	-
	62	92.7	6.6	92.7	83.9	70.8	59.6	48.3	37.1	86.6	7.5	86.6	78.7	67.5	56.3	45.0	33.8
2550	77	120.7	6.7	65.2	53.0	40.9	-	-	-	111.7	7.7	64.7	51.0	37.4	-	-	-
	72	110.4	6.7	79.6	66.6	53.6	40.6	-	-	102.4	7.6	76.8	63.5	50.2	37.0	-	-
	67	100.1	6.7	94.0	80.2	66.3	52.9	39.6	-	93.0	7.6	88.9	76.0	63.1	49.5	36.0	-
	62	96.8	6.7	96.8	90.0	79.0	65.3	51.6	37.8	90.7	7.6	90.7	84.9	76.0	62.1	48.2	34.3
	57	93.4	6.7	93.4	93.4	91.7	77.6	63.5	49.5	88.4	7.6	88.4	88.4	88.4	74.7	60.5	46.3
2975	77	120.9	6.8	74.4	57.4	40.4	-	-	-	112.4	7.7	73.5	55.0	36.5	-	-	-
	72	112.2	6.8	87.2	71.6	56.0	40.4	-	-	104.6	7.7	83.9	68.2	52.5	36.8	-	-
	67	103.6	6.7	99.9	85.8	71.6	55.7	39.8	-	96.8	7.7	94.2	81.3	68.4	52.4	36.3	-
	62	100.8	6.7	100.8	96.1	87.2	71.0	54.8	38.6	94.8	7.6	94.8	91.1	84.4	67.9	51.4	34.9
	57	98.1	6.7	98.1	98.1	98.1	86.3	69.7	53.2	92.8	7.6	92.8	92.8	92.8	83.4	66.6	49.7
3400	77	121.1	6.9	83.7	61.8	40.0	-	-	-	113.0	7.8	82.3	59.0	35.7	-	-	-
	72	114.1	6.8	94.7	76.6	58.4	40.3	-	-	106.8	7.7	90.9	72.8	54.8	36.7	-	-
	67	107.1	6.8	105.8	91.4	76.9	58.5	40.1	-	100.6	7.7	99.5	86.7	73.8	55.2	36.6	-
	62	104.9	6.8	104.9	102.1	95.4	76.7	58.0	39.3	98.8	7.7	98.8	97.3	92.8	73.7	54.6	35.5
	57	102.7	6.8	102.7	102.7	102.7	94.9	75.9	57.0	97.1	7.7	97.1	97.1	97.1	92.2	72.6	53.0
3825	72	115.9	6.9	102.3	81.6	60.9	40.1	-	-	109.0	7.8	98.0	77.5	57.0	36.5	-	-
	67	110.5	6.8	110.5	97.0	82.2	61.3	40.3	-	104.4	7.8	104.4	92.0	79.1	58.0	36.9	-
	62	108.9	6.8	108.9	108.2	103.6	82.4	61.2	40.1	102.9	7.8	102.9	102.9	101.2	79.5	57.8	36.1
	57	107.3	6.8	107.3	107.3	107.3	103.6	82.1	60.7	101.5	7.7	101.5	101.5	101.5	101.0	78.7	56.3
4250	72	117.8	7.0	109.9	86.6	63.3	40.0	-	-	111.3	7.9	105.0	82.2	59.3	36.4	-	-
	67	114.0	6.9	114.0	102.6	87.5	64.1	40.6	-	108.1	7.8	108.1	97.4	84.5	60.9	37.3	-
	62	113.0	6.9	113.0	113.0	111.8	88.1	64.5	40.8	107.0	7.8	107.0	107.0	107.0	85.3	61.0	36.7
	57	112.0	6.9	112.0	112.0	112.0	112.0	88.3	64.5	105.9	7.8	105.9	105.9	105.9	105.9	84.7	59.7

KB102 (8.5 ton) cooling capacity

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
		115°F								125°F							
2125	77	101.6	8.6	56.0	45.5	35.0	-	-	-	92.1	9.6	56.0	43.9	31.9	-	-	-
	72	91.7	8.5	67.4	56.1	44.8	33.5	-	-	83.3	9.5	65.1	53.4	41.6	29.8	-	-
	67	81.8	8.5	78.9	66.7	54.5	43.2	31.9	-	74.4	9.4	74.3	62.8	51.3	39.8	28.3	-
	62	80.5	8.5	80.5	73.6	64.3	53.0	41.7	30.4	74.5	9.4	74.5	68.4	61.1	49.8	38.4	27.1
2550	77	102.7	8.6	64.3	49.1	33.8	-	-	-	93.7	9.6	63.8	47.1	30.3	-	-	-
	72	94.3	8.6	74.0	60.4	46.9	33.3	-	-	86.3	9.5	71.2	57.4	43.5	29.7	-	-
	67	85.9	8.5	83.7	71.8	59.9	46.1	32.3	-	78.8	9.4	78.5	67.6	56.7	42.7	28.7	-
	62	84.6	8.5	84.6	79.9	73.0	58.9	44.9	30.9	78.6	9.4	78.6	74.8	69.9	55.8	41.6	27.4
	57	83.4	8.5	83.4	83.4	83.4	71.7	57.4	43.2	78.3	9.4	78.3	78.3	78.3	68.8	54.4	40.0
2975	77	103.8	8.7	72.6	52.6	32.7	-	-	-	95.3	9.6	71.7	50.2	28.8	-	-	-
	72	96.9	8.6	80.5	64.8	49.0	33.2	-	-	89.2	9.5	77.2	61.3	45.5	29.6	-	-
	67	90.0	8.6	88.5	76.9	65.3	49.0	32.7	-	83.2	9.5	82.7	72.4	62.1	45.7	29.2	-
	62	88.7	8.6	88.7	86.2	81.6	64.8	48.1	31.3	82.7	9.5	82.7	81.2	78.8	61.7	44.7	27.6
	57	87.4	8.6	87.4	87.4	87.4	80.6	63.4	46.1	82.1	9.5	82.1	82.1	82.1	77.8	60.2	42.5
3400	77	104.9	8.7	80.9	56.2	31.5	-	-	-	96.9	9.6	79.5	53.4	27.3	-	-	-
	72	99.5	8.7	87.1	69.1	51.1	33.1	-	-	92.2	9.6	83.3	65.3	47.4	29.5	-	-
	67	94.1	8.6	93.3	82.0	70.7	51.9	33.1	-	87.6	9.6	87.0	77.3	67.5	48.6	29.7	-
	62	92.8	8.6	92.8	92.5	90.2	70.7	51.2	31.7	86.8	9.5	86.8	86.8	86.8	67.7	47.8	27.9
	57	91.5	8.6	91.5	91.5	91.5	89.6	69.3	49.0	86.0	9.5	86.0	86.0	86.0	86.0	65.9	45.0
3825	72	102.1	8.7	93.6	73.4	53.2	33.0	-	-	95.2	9.6	89.3	69.3	49.3	29.4	-	-
	67	98.2	8.7	98.0	87.0	76.0	54.8	33.5	-	92.0	9.6	91.2	82.1	72.9	51.5	30.2	-
	62	96.9	8.7	96.9	96.9	96.9	76.6	54.4	32.1	90.9	9.6	90.9	90.9	90.9	73.7	50.9	28.1
	57	95.6	8.7	95.6	95.6	95.6	95.6	75.2	51.9	89.8	9.6	89.8	89.8	89.8	89.8	71.7	47.5
4250	72	104.7	8.8	100.2	77.7	55.3	32.8	-	-	98.2	9.7	95.4	73.3	51.3	29.2	-	-
	67	102.3	8.8	102.3	92.1	81.4	57.7	33.9	-	96.4	9.7	95.4	86.9	78.3	54.5	30.6	-
	62	101.0	8.7	101.0	101.0	101.0	82.5	57.5	32.5	95.0	9.7	95.0	95.0	95.0	79.7	54.1	28.4
	57	99.7	8.7	99.7	99.7	99.7	99.7	81.1	54.8	93.6	9.6	93.6	93.6	93.6	93.6	77.5	50.0

1. These capacities are gross ratings. For net capacity, deduct the air blower motor, MBh = 3.415 x kW. Refer to the appropriate blower performance table for the kW of the supply air blower motor.
2. These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

KB120 (10 ton) cooling capacity

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
2500	77	162.5	6.8	79.3	66.6	54.0	-	-	-	153.7	7.7	73.9	62.0	50.1	-	-	-
	72	146.5	6.7	94.3	80.5	66.7	52.9	-	-	138.3	7.6	90.5	77.0	63.5	50.0	-	-
	67	130.4	6.6	109.3	94.4	79.5	66.7	53.3	-	122.9	7.5	107.1	92.0	76.8	63.6	50.0	-
	62	120.1	6.6	120.1	108.2	92.2	79.4	67.4	55.0	115.6	7.4	115.6	104.4	90.2	76.7	63.6	50.3
3000	77	164.9	6.8	87.8	71.5	55.2	-	-	-	155.1	7.7	83.0	66.9	50.9	-	-	-
	72	150.3	6.7	102.9	86.7	70.5	54.3	-	-	141.3	7.6	98.9	82.8	66.7	50.6	-	-
	67	135.6	6.7	118.1	102.0	85.8	70.3	54.4	-	127.6	7.5	114.8	98.7	82.6	66.7	50.7	-
	62	127.2	6.6	127.2	115.5	101.1	85.5	70.7	55.5	121.9	7.5	121.9	111.1	98.4	82.4	66.7	50.9
	57	118.8	6.5	118.8	118.8	116.4	101.7	87.0	72.3	116.2	7.4	116.2	116.2	114.3	98.6	82.8	67.1
3500	77	167.4	6.8	96.3	76.4	56.5	-	-	-	156.6	7.7	92.1	71.9	51.6	-	-	-
	72	154.1	6.8	111.6	92.9	74.3	55.7	-	-	144.4	7.6	107.3	88.6	70.0	51.3	-	-
	67	140.8	6.7	126.9	109.5	92.1	74.0	55.5	-	132.2	7.6	122.4	105.4	88.3	69.9	51.3	-
	62	134.2	6.6	134.2	122.9	109.9	91.7	74.0	56.0	128.2	7.5	128.2	117.9	106.6	88.1	69.9	51.5
	57	127.7	6.6	127.7	127.7	126.5	110.1	92.4	74.8	124.2	7.5	124.2	124.2	124.2	106.7	88.5	70.2
4000	77	169.8	6.8	104.7	81.2	57.7	-	-	-	158.1	7.7	101.3	76.9	52.4	-	-	-
	72	157.9	6.8	120.2	99.2	78.1	57.0	-	-	147.4	7.7	115.7	94.5	73.2	52.0	-	-
	67	145.9	6.7	135.7	117.1	98.4	77.6	56.6	-	136.8	7.6	130.1	112.1	94.1	73.0	51.9	-
	62	141.3	6.7	141.3	130.2	118.8	97.8	77.2	56.5	134.5	7.6	134.3	124.7	114.9	93.8	73.0	52.0
	57	136.7	6.6	136.7	136.7	136.7	118.5	97.9	77.3	132.1	7.6	132.1	132.1	132.1	114.9	94.1	73.3
4500	72	161.7	6.8	128.9	105.4	81.9	58.4	-	-	150.5	7.7	124.1	100.3	76.5	52.7	-	-
	67	151.1	6.7	144.5	124.6	104.8	81.3	57.7	-	141.4	7.6	137.7	118.7	99.8	76.2	52.5	-
	62	148.4	6.7	147.3	137.6	127.7	104.0	80.5	57.0	140.8	7.6	139.7	131.4	123.1	99.6	76.1	52.6
	57	145.6	6.7	144.9	144.9	144.9	127.0	103.3	79.7	140.1	7.6	139.2	139.2	139.2	123.1	99.7	76.4
5000	72	165.5	6.8	137.5	111.6	85.7	59.7	-	-	153.5	7.7	132.5	106.1	79.7	53.4	-	-
	67	156.3	6.7	153.3	132.2	111.1	85.0	58.8	-	148.0	7.7	145.4	125.4	105.5	79.3	53.1	-
	62	155.4	6.7	153.2	144.9	136.5	110.2	83.8	57.4	147.0	7.7	145.1	138.2	131.3	105.3	79.2	53.2
	57	154.6	6.7	153.2	153.2	153.2	135.4	108.8	82.2	146.0	7.7	144.9	144.9	144.9	131.2	105.3	79.5
		95°F								105°F							
2500	77	144.8	8.5	68.4	57.3	46.2	-	-	-	135.4	9.9	65.0	54.2	43.5	-	-	-
	72	130.1	8.4	86.7	73.4	60.2	47.0	-	-	121.2	9.7	83.1	69.7	56.4	43.0	-	-
	67	115.5	8.3	104.9	89.5	74.2	60.5	46.8	-	107.1	9.5	101.1	85.2	69.2	56.0	42.7	-
	62	111.1	8.3	111.1	100.5	88.2	74.0	59.8	45.7	105.2	9.5	105.2	94.7	82.1	68.9	55.7	42.6
3000	77	145.3	8.5	78.2	62.4	46.5	-	-	-	135.6	9.9	75.0	59.1	43.3	-	-	-
	72	132.4	8.5	94.8	78.9	62.9	47.0	-	-	123.6	9.7	90.8	74.9	58.9	42.9	-	-
	67	119.5	8.4	111.4	95.4	79.4	63.1	46.9	-	111.5	9.6	106.6	90.6	74.5	58.6	42.7	-
	62	116.6	8.3	116.6	106.7	95.8	79.3	62.8	46.3	110.1	9.6	110.1	100.8	90.2	74.3	58.5	42.6
	57	113.7	8.3	113.7	113.7	112.2	95.4	78.7	61.9	108.6	9.5	108.6	108.6	105.8	90.0	74.2	58.4
3500	77	145.9	8.6	88.0	67.4	46.8	-	-	-	135.9	9.9	85.1	64.1	43.0	-	-	-
	72	134.7	8.5	103.0	84.3	65.7	47.0	-	-	125.9	9.8	98.6	80.0	61.4	42.9	-	-
	67	123.6	8.4	117.9	101.2	84.5	65.8	47.1	-	116.0	9.7	112.0	95.9	79.8	61.3	42.8	-
	62	122.1	8.4	122.1	112.9	103.4	84.6	65.8	47.0	114.9	9.6	114.9	106.9	98.2	79.7	61.2	42.7
	57	120.7	8.4	120.7	120.7	120.7	103.3	84.5	65.6	113.9	9.6	113.9	113.9	113.9	98.2	79.7	61.2
4000	77	146.4	8.6	97.8	72.5	47.1	-	-	-	136.2	9.9	95.1	69.0	42.8	-	-	-
	72	137.0	8.6	111.1	89.7	68.4	47.0	-	-	128.3	9.8	106.3	85.1	64.0	42.8	-	-
	67	127.6	8.5	124.4	107.0	89.7	68.4	47.2	-	120.4	9.7	117.5	101.3	85.1	64.0	42.8	-
	62	127.6	8.5	127.3	119.1	110.9	89.8	68.7	47.6	119.8	9.7	119.8	113.1	106.3	85.1	63.9	42.8
	57	127.6	8.5	127.6	127.6	127.6	111.2	90.3	69.3	119.2	9.7	119.2	119.2	119.2	106.3	85.1	63.9
4500	72	139.3	8.6	119.3	95.2	71.1	47.0	-	-	130.7	9.9	114.1	90.3	66.5	42.7	-	-
	67	134.6	8.6	130.9	112.8	94.8	71.1	47.3	-	124.8	9.8	122.9	106.7	90.5	66.6	42.8	-
	62	133.1	8.5	132.2	125.3	118.5	95.1	71.7	48.3	124.6	9.8	124.0	119.2	114.4	90.5	66.7	42.8
	57	131.5	8.5	131.5	131.5	131.5	119.1	96.1	73.0	124.4	9.7	124.4	124.4	124.4	114.4	90.5	66.6
5000	72	141.6	8.7	127.4	100.6	73.8	47.0	-	-	133.0	9.9	121.8	95.4	69.0	42.7	-	-
	67	141.0	8.6	137.4	118.7	100.0	73.7	47.4	-	129.7	9.9	128.4	112.1	95.8	69.3	42.8	-
	62	138.6	8.6	137.0	131.5	126.1	100.4	74.6	48.9	129.5	9.8	128.2	125.3	122.5	95.9	69.4	42.9
	57	136.8	8.6	136.6	136.6	136.6	127.1	101.9	76.7	129.3	9.8	127.9	127.9	127.9	122.6	96.0	69.4

KB120 (10 ton) cooling capacity

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
				Return dry bulb (°F)								Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
		115°F															
2500	77	125.9	11.2	61.5	51.1	40.8	-	-	-	116.4	12.6	58.0	48.0	38.0	-	-	-
	72	112.3	11.0	79.4	66.0	52.5	39.0	-	-	103.4	12.3	75.8	62.2	48.6	35.1	-	-
	67	99.3	10.8	97.4	80.8	64.2	51.4	38.6	-	93.3	12.0	93.3	76.5	59.3	46.9	34.5	-
	62	98.7	10.7	98.7	88.8	76.0	63.8	51.6	39.5	90.4	12.0	90.4	83.0	69.9	58.7	47.5	36.4
3000	77	126.0	11.2	71.8	55.9	40.0	-	-	-	116.3	12.6	68.6	52.7	36.8	-	-	-
	72	114.7	11.0	86.8	70.8	54.9	38.9	-	-	105.9	12.3	82.8	66.8	50.8	34.8	-	-
	67	103.5	10.8	101.8	85.8	69.7	54.1	38.5	-	98.5	12.1	97.0	80.9	64.9	49.6	34.3	-
	62	103.5	10.8	103.5	94.9	84.6	69.4	54.1	38.9	97.0	12.0	97.0	89.0	79.0	64.4	49.8	35.3
	57	103.5	10.8	103.5	103.5	99.4	84.6	69.8	54.9	95.5	12.0	95.5	95.5	93.0	79.2	65.3	51.4
3500	77	126.0	11.2	82.1	60.7	39.3	-	-	-	116.1	12.6	79.1	57.3	35.5	-	-	-
	72	117.2	11.1	94.2	75.7	57.2	38.7	-	-	108.4	12.3	89.7	71.4	53.0	34.6	-	-
	67	108.3	10.9	106.2	90.7	75.2	56.8	38.5	-	100.7	12.1	100.4	85.4	70.5	52.3	34.2	-
	62	107.7	10.9	107.7	100.9	93.1	74.9	56.7	38.4	100.5	12.1	100.5	95.0	88.0	70.1	52.1	34.1
	57	107.1	10.8	107.1	107.1	107.1	93.0	74.8	56.7	100.3	12.0	100.3	100.3	100.3	87.8	70.0	52.3
4000	77	126.1	11.2	92.4	65.5	38.5	-	-	-	115.9	12.5	89.7	61.9	34.2	-	-	-
	72	119.6	11.1	101.5	80.5	59.6	38.6	-	-	110.9	12.4	96.7	75.9	55.2	34.4	-	-
	67	113.2	11.0	110.6	95.6	80.6	59.5	38.4	-	105.9	12.2	103.7	89.9	76.1	55.1	34.0	-
	62	111.9	10.9	111.9	107.0	101.7	80.4	59.2	37.9	104.1	12.2	104.1	100.9	97.1	75.7	54.4	33.0
	57	110.7	10.9	110.7	110.7	110.7	101.4	79.9	58.5	102.2	12.1	102.2	102.2	102.2	96.4	74.8	53.1
4500	72	122.0	11.1	108.9	85.4	61.9	38.5	-	-	113.4	12.4	103.6	80.5	57.3	34.2	-	-
	67	118.0	11.1	115.0	100.6	86.1	62.2	38.3	-	111.1	12.3	107.1	94.4	81.8	57.8	33.9	-
	62	116.1	11.0	115.8	113.0	110.3	86.0	61.7	37.4	107.6	12.2	107.6	106.9	106.2	81.4	56.7	31.9
	57	114.3	10.9	114.3	114.3	114.3	109.7	85.0	60.3	104.1	12.1	104.1	104.1	104.1	104.1	79.5	53.9
5000	72	124.5	11.2	116.2	90.2	64.3	38.3	-	-	116.3	12.4	110.6	85.1	59.5	34.0	-	-
	67	122.8	11.1	119.4	105.5	91.6	64.9	38.3	-	115.9	12.4	110.4	98.9	87.4	60.5	33.7	-
	62	120.3	11.1	119.3	119.1	118.9	91.5	64.2	36.8	111.2	12.3	110.5	110.5	110.5	87.1	59.0	30.8
	57	117.9	11.0	117.9	117.9	117.9	117.9	90.1	62.1	106.0	12.2	106.0	106.0	106.0	106.0	84.2	54.8

1. These capacities are gross ratings. For net capacity, deduct the air blower motor, MBh = 3.415 x kW. Refer to the appropriate blower performance table for the kW of the supply air blower motor.
2. These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

KB150 (12.5 ton) cooling capacity

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
3125	77	198.4	8.4	99.4	83.7	68.0	-	-	-	190.3	9.4	97.4	81.6	65.7	-	-	-
	72	179.9	8.3	118.3	101.4	84.4	67.5	-	-	172.0	9.3	115.9	98.8	81.7	64.6	-	-
	67	161.4	8.2	137.2	119.0	100.8	83.5	66.9	-	153.7	9.2	134.3	116.0	97.6	80.2	63.1	-
	62	151.9	8.1	151.9	136.2	117.2	97.8	83.3	66.4	144.1	9.1	144.1	133.3	113.6	94.9	78.7	61.2
3750	77	199.7	8.4	107.2	87.1	67.0	-	-	-	190.4	9.4	105.5	83.8	62.2	-	-	-
	72	183.0	8.3	127.2	107.2	87.3	67.4	-	-	174.4	9.3	124.3	103.8	83.2	62.6	-	-
	67	166.2	8.2	147.1	127.4	107.6	87.0	67.0	-	158.3	9.2	143.2	123.7	104.2	83.0	62.2	-
	62	158.5	8.2	158.5	144.7	127.9	105.3	86.6	65.9	150.4	9.2	150.4	141.6	125.1	102.8	82.3	60.9
	57	150.8	8.1	150.8	150.8	148.3	127.2	106.2	85.1	142.6	9.1	142.6	142.6	142.6	124.3	102.5	80.7
4375	77	201.0	8.3	115.0	90.4	65.9	-	-	-	190.6	9.4	113.5	86.1	58.6	-	-	-
	72	186.0	8.3	136.0	113.1	90.2	67.3	-	-	176.8	9.3	132.8	108.7	84.7	60.6	-	-
	67	171.1	8.2	157.0	135.7	114.4	90.6	67.1	-	162.9	9.3	152.0	131.3	110.7	85.9	61.3	-
	62	165.2	8.2	165.2	153.3	138.7	112.8	89.9	65.5	156.8	9.3	156.8	149.9	136.7	110.6	86.0	60.6
	57	159.2	8.2	159.2	159.2	158.0	137.8	112.6	87.5	150.6	9.2	150.6	150.6	150.6	136.7	110.7	84.6
5000	77	202.3	8.2	122.7	93.8	64.9	-	-	-	190.7	9.4	121.6	88.3	55.1	-	-	-
	72	189.1	8.2	144.8	118.9	93.1	67.2	-	-	179.1	9.4	141.2	113.7	86.1	58.6	-	-
	67	175.9	8.2	166.9	144.1	121.3	94.1	67.3	-	167.6	9.3	160.9	139.0	117.2	88.7	60.3	-
	62	171.8	8.2	171.8	161.8	149.5	120.4	93.2	65.0	163.2	9.3	163.2	158.2	148.2	118.4	89.6	60.3
	57	167.7	8.2	167.7	167.7	167.7	148.4	119.1	89.8	158.7	9.3	158.7	158.7	158.7	149.1	118.8	88.6
5625	72	192.2	8.2	153.6	124.8	96.0	67.1	-	-	181.5	9.4	149.7	118.6	87.6	56.6	-	-
	67	180.7	8.3	176.8	152.4	128.1	97.7	67.4	-	172.2	9.4	169.7	146.7	123.7	91.5	59.4	-
	62	178.4	8.2	178.4	170.4	160.2	127.9	96.5	64.6	169.5	9.4	169.5	166.6	159.8	126.3	93.2	59.9
	57	176.1	8.2	176.1	176.1	176.1	159.0	125.6	92.2	166.8	9.4	166.8	166.8	166.8	161.4	127.0	92.6
6000	72	195.2	8.2	162.4	130.6	98.8	67.0	-	-	183.9	9.4	158.1	123.6	89.1	54.6	-	-
	67	185.6	8.3	185.6	160.8	134.9	101.2	67.5	-	176.9	9.4	176.9	154.4	130.2	94.4	58.5	-
	62	185.0	8.3	185.0	178.9	171.0	135.4	99.8	64.2	175.9	9.4	175.9	174.9	171.3	134.1	96.9	59.6
	57	184.5	8.3	184.5	184.5	184.5	169.6	132.0	94.5	174.9	9.5	174.9	174.9	174.9	173.8	135.2	96.6
		95°F								105°F							
3125	77	182.2	10.3	95.4	79.4	63.4	-	-	-	166.9	11.9	88.4	72.6	56.8	-	-	-
	72	164.1	10.3	113.4	96.2	78.9	61.7	-	-	151.2	11.8	107.8	90.3	72.9	55.5	-	-
	67	145.9	10.2	131.5	113.0	94.5	76.9	59.3	-	135.4	11.7	127.1	108.1	89.0	71.3	53.6	-
	62	136.2	10.1	136.2	130.4	110.0	92.1	74.1	56.1	129.3	11.7	129.3	122.4	105.1	87.1	69.1	51.0
3750	77	181.2	10.4	103.8	80.6	57.4	-	-	-	166.3	12.0	98.3	75.2	52.1	-	-	-
	72	165.8	10.3	121.5	100.3	79.0	57.8	-	-	153.1	11.9	115.9	94.8	73.7	52.6	-	-
	67	150.4	10.3	139.2	120.0	100.7	79.0	57.3	-	139.9	11.8	133.6	114.5	95.3	73.7	52.2	-
	62	142.3	10.2	142.3	138.5	122.3	100.2	78.1	55.9	134.8	11.8	134.8	130.2	116.9	94.9	72.9	50.9
	57	134.3	10.2	134.3	134.3	134.3	121.4	98.8	76.2	129.8	11.7	129.8	129.8	129.8	116.1	93.6	71.2
4375	77	180.1	10.4	112.1	81.7	51.4	-	-	-	165.8	12.0	108.1	77.7	47.4	-	-	-
	72	167.5	10.4	129.6	104.3	79.1	53.9	-	-	155.1	11.9	124.1	99.3	74.5	49.7	-	-
	67	154.8	10.3	147.0	127.0	106.9	81.1	55.4	-	144.4	11.8	140.2	120.9	101.6	76.2	50.8	-
	62	148.4	10.3	148.4	146.6	134.7	108.4	82.0	55.7	140.3	11.8	140.3	138.1	128.6	102.7	76.8	50.8
	57	142.1	10.3	142.1	142.1	142.1	135.6	108.7	81.8	136.3	11.8	136.3	136.3	136.3	129.2	102.7	76.2
5000	77	179.0	10.5	120.5	82.9	45.3	-	-	-	165.2	12.0	117.9	80.3	42.7	-	-	-
	72	169.2	10.5	137.6	108.4	79.2	50.0	-	-	157.0	12.0	132.3	103.8	75.3	46.8	-	-
	67	159.3	10.4	154.8	134.0	113.1	83.3	53.4	-	148.9	11.9	146.7	127.3	107.8	78.6	49.4	-
	62	154.5	10.4	154.5	154.5	147.0	116.5	86.0	55.5	145.8	11.9	145.8	145.8	140.4	110.5	80.6	50.7
	57	149.8	10.4	149.8	149.8	149.8	149.7	118.6	87.4	142.8	11.9	142.8	142.8	142.8	142.4	111.8	81.2
5625	72	170.9	10.5	145.7	112.5	79.3	46.1	-	-	159.0	12.0	140.5	108.3	76.1	43.8	-	-
	67	163.7	10.5	162.6	141.0	119.3	85.4	51.5	-	153.3	12.0	153.3	133.7	114.1	81.1	48.1	-
	62	160.6	10.5	160.6	160.6	159.3	124.6	90.0	55.3	151.3	12.0	151.3	151.3	151.3	118.3	84.5	50.6
	57	157.5	10.6	157.5	157.5	157.5	157.5	128.5	93.1	149.3	12.0	149.3	149.3	149.3	149.3	120.9	86.3
6000	72	172.6	10.6	153.7	116.6	79.4	42.2	-	-	160.9	12.1	148.7	112.8	76.9	40.9	-	-
	67	168.2	10.6	168.2	148.0	125.5	87.5	49.5	-	157.8	12.1	157.8	140.1	120.4	83.5	46.7	-
	62	166.7	10.6	166.7	166.7	166.7	132.8	93.9	55.1	156.8	12.1	156.8	156.8	156.8	126.1	88.3	50.6
	57	165.3	10.7	165.3	165.3	165.3	165.3	138.4	98.7	155.8	12.1	155.8	155.8	155.8	155.8	130.0	91.3

KB150 (12.5 ton) cooling capacity

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
				Return dry bulb (°F)								Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
		115°F								125°F							
3125	77	151.6	13.5	81.4	65.8	50.2	-	-	-	136.4	15.1	74.4	59.0	43.6	-	-	-
	72	138.3	13.4	102.1	84.5	66.9	49.3	-	-	125.4	14.9	96.4	78.6	60.9	43.1	-	-
	67	124.9	13.2	122.7	103.2	83.6	65.7	47.9	-	114.4	14.7	114.4	98.2	78.1	60.2	42.2	-
	62	122.5	13.2	122.5	114.4	100.3	82.1	64.0	45.9	115.6	14.7	115.6	106.4	95.4	77.2	59.0	40.8
3750	77	151.5	13.5	92.7	69.8	46.9	-	-	-	136.7	15.1	87.2	64.4	41.6	-	-	-
	72	140.5	13.4	110.4	89.4	68.4	47.4	-	-	127.8	14.9	104.8	83.9	63.1	42.2	-	-
	67	129.4	13.3	128.0	109.0	89.9	68.5	47.1	-	119.0	14.8	119.0	103.5	84.5	63.2	42.0	-
	62	127.4	13.3	127.4	122.0	111.4	89.6	67.8	45.9	119.9	14.8	119.9	113.8	106.0	84.3	62.6	40.9
	57	125.3	13.3	125.3	125.3	125.3	110.7	88.5	66.2	120.7	14.8	120.7	120.7	120.7	105.4	83.3	61.2
4375	77	151.4	13.5	104.0	73.8	43.5	-	-	-	137.0	15.1	100.0	69.8	39.5	-	-	-
	72	142.7	13.4	118.7	94.3	69.9	45.4	-	-	130.3	14.9	113.3	89.2	65.2	41.2	-	-
	67	133.9	13.3	133.3	114.8	96.2	71.3	46.3	-	123.5	14.8	123.5	108.7	90.9	66.3	41.7	-
	62	132.2	13.4	132.2	129.7	122.6	97.1	71.5	46.0	124.2	14.9	124.2	121.3	116.6	91.4	66.3	41.1
	57	130.6	13.4	130.6	130.6	130.6	122.9	96.8	70.6	124.8	14.9	124.8	124.8	124.8	116.5	90.8	65.0
5000	77	151.3	13.5	115.4	77.7	40.1	-	-	-	137.4	15.0	112.8	75.1	37.5	-	-	-
	72	144.9	13.5	127.0	99.2	71.3	43.5	-	-	132.7	15.0	121.7	94.5	67.4	40.2	-	-
	67	138.4	13.4	138.4	120.6	102.6	74.0	45.5	-	128.0	14.9	128.0	113.9	97.3	69.4	41.5	-
	62	137.1	13.4	137.1	137.1	133.8	104.5	75.3	46.0	128.5	14.9	128.5	128.5	127.2	98.5	69.9	41.2
	57	135.8	13.4	135.8	135.8	135.8	135.0	105.0	75.1	128.9	15.0	128.9	128.9	128.9	127.7	98.3	68.9
5625	72	147.1	13.5	135.3	104.1	72.8	41.6	-	-	135.2	15.0	130.1	99.8	69.6	39.3	-	-
	67	143.0	13.5	143.0	126.4	108.9	76.8	44.7	-	132.6	15.0	132.6	119.2	103.7	72.5	41.3	-
	62	142.0	13.5	142.0	142.0	142.0	112.0	79.0	46.0	132.7	15.0	132.7	132.7	132.7	105.7	73.5	41.4
	57	141.1	13.5	141.1	141.1	141.1	141.1	113.3	79.5	132.9	15.0	132.9	132.9	132.9	132.9	105.8	72.7
6000	72	149.2	13.5	143.6	109.0	74.3	39.6	-	-	137.6	15.0	137.6	105.1	71.7	38.3	-	-
	67	147.5	13.6	147.5	132.3	115.2	79.5	43.8	-	137.1	15.0	137.1	124.4	110.1	75.5	41.0	-
	62	146.9	13.6	146.9	146.9	146.9	119.4	82.7	46.0	137.0	15.1	137.0	137.0	137.0	112.8	77.1	41.5
	57	146.4	13.6	146.4	146.4	146.4	146.4	121.6	83.9	137.0	15.1	137.0	137.0	137.0	137.0	113.3	76.5

1. These capacities are gross ratings. For net capacity, deduct the air blower motor, MBh = 3.415 x kW. Refer to the appropriate blower performance table for the kW of the supply air blower motor.
2. These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

KB78-150 reheat capacities

KB078 (6.5 ton) reheat capacity

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity [1] (MBh)	Total input [2] (kW)	Sensible capacity (MBh) Return dry bulb (°F)						Total capacity [1] (MBh)	Total input [2] (kW)	Sensible capacity (MBh) Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
		35°F								45°F							
1625	77	66.6	3.5	6.9	4.2	1.5	-	-	-	65.7	3.9	2.9	0.5	-1.8	-	-	-
	72	64.0	3.4	16.2	13.5	10.8	8.1	-	-	61.0	3.8	12.6	10.3	7.9	5.6	-	-
	67	61.4	3.4	25.5	22.7	20.0	17.3	14.6	-	56.3	3.6	22.4	20.0	17.7	15.4	13.0	-
	62	55.9	3.2	32.3	29.5	26.8	24.1	21.4	18.7	50.3	3.5	30.8	28.4	26.1	23.8	21.4	19.1
1950	77	69.1	3.5	8.5	5.1	1.7	-	-	-	68.8	3.9	3.8	0.8	-2.2	-	-	-
	72	66.5	3.5	20.0	16.6	13.2	9.8	-	-	63.9	3.8	15.7	12.7	9.7	6.7	-	-
	67	63.8	3.4	31.5	28.1	24.7	21.3	17.9	-	58.9	3.6	27.5	24.5	21.5	18.5	15.5	-
	62	58.1	3.2	40.0	36.6	33.2	29.8	26.4	23.0	52.6	3.5	37.8	34.7	31.7	28.7	25.7	22.7
	57	52.0	3.2	46.8	43.4	40.0	36.6	33.2	29.8	47.9	3.4	44.0	41.0	38.0	35.0	32.0	28.9
2275	77	71.6	3.5	10.1	6.0	1.9	-	-	-	71.9	3.9	4.8	1.1	-2.6	-	-	-
	72	68.9	3.5	23.9	19.8	15.7	11.6	-	-	66.7	3.8	18.7	15.1	11.4	7.7	-	-
	67	66.2	3.4	37.6	33.5	29.4	25.3	21.2	-	61.5	3.6	32.7	29.0	25.3	21.7	18.0	-
	62	60.2	3.3	47.8	43.7	39.6	35.5	31.4	27.3	55.0	3.5	44.7	41.0	37.4	33.7	30.0	26.3
	57	54.0	3.2	51.4	49.7	47.7	43.6	39.5	35.4	50.1	3.4	48.1	46.6	44.7	41.0	37.3	33.7
2600	77	74.2	3.6	11.7	6.9	2.1	-	-	-	74.9	3.9	5.7	1.4	-3.0	-	-	-
	72	71.4	3.5	27.7	22.9	18.1	13.3	-	-	69.5	3.8	21.8	17.4	13.1	8.7	-	-
	67	68.6	3.4	43.7	38.9	34.1	29.3	24.5	-	64.2	3.6	37.9	33.5	29.2	24.8	20.4	-
	62	62.4	3.3	55.6	50.8	46.0	41.2	36.4	31.7	57.3	3.5	51.7	47.3	43.0	38.6	34.3	29.9
	57	55.9	3.2	55.9	55.9	55.4	50.6	45.8	41.0	52.2	3.4	52.2	52.2	51.4	47.1	42.7	38.4
2925	72	71.5	3.5	29.7	24.7	19.6	14.6	-	-	70.5	3.8	24.0	19.2	14.4	9.6	-	-
	67	68.8	3.4	46.8	41.8	36.7	31.7	26.6	-	65.0	3.6	41.7	36.8	32.0	27.2	22.4	-
	62	62.6	3.3	59.2	54.7	49.4	44.3	39.3	34.2	58.1	3.5	55.3	52.0	47.2	42.4	37.6	32.8
	57	56.1	3.2	56.1	56.1	55.8	50.8	45.8	40.7	52.9	3.4	52.9	52.9	52.5	47.7	42.9	38.1
3250	72	71.7	3.5	31.8	26.5	21.2	15.9	-	-	71.4	3.8	26.2	20.9	15.7	10.4	-	-
	67	69.0	3.4	49.9	44.7	39.4	34.1	28.8	-	65.9	3.6	45.4	40.2	34.9	29.6	24.3	-
	62	62.9	3.3	62.9	58.5	52.7	47.4	42.1	36.8	58.9	3.5	58.9	56.7	51.4	46.1	40.9	35.6
	57	56.3	3.2	56.3	56.3	56.3	51.0	45.7	40.4	53.6	3.4	53.6	53.6	53.6	48.3	43.1	37.8
		55°F								65°F							
1625	77	64.8	4.3	-1.2	-3.2	-5.1	-	-	-	61.3	4.5	-2.8	-4.4	-5.9	-	-	-
	72	58.0	4.1	9.0	7.1	5.1	3.2	-	-	54.4	4.4	6.3	4.8	3.2	1.6	-	-
	67	51.2	3.9	19.3	17.3	15.4	13.4	11.5	-	47.4	4.2	15.5	13.9	12.4	10.8	9.2	-
	62	44.7	3.8	29.3	27.3	25.4	23.4	21.5	19.5	41.4	4.1	24.4	22.8	21.3	19.7	18.1	16.6
1950	77	68.5	4.2	-0.9	-3.5	-6.1	-	-	-	64.4	4.5	-3.1	-5.3	-7.5	-	-	-
	72	61.2	4.1	11.3	8.7	6.1	3.5	-	-	57.1	4.3	8.4	6.1	3.9	1.7	-	-
	67	54.0	3.9	23.6	20.9	18.3	15.7	13.1	-	49.8	4.2	19.8	17.6	15.4	13.1	10.9	-
	62	47.2	3.8	35.5	32.8	30.2	27.6	25.0	22.4	43.4	4.1	31.0	28.7	26.5	24.3	22.1	19.9
	57	43.9	3.7	41.2	38.5	35.9	33.3	30.7	28.1	40.5	4.0	35.9	33.7	31.4	29.2	27.0	24.8
2275	77	72.1	4.2	-0.6	-3.8	-7.1	-	-	-	67.5	4.5	-3.4	-6.2	-9.1	-	-	-
	72	64.5	4.1	13.6	10.4	7.1	3.8	-	-	59.8	4.3	10.4	7.5	4.6	1.7	-	-
	67	56.9	3.9	27.8	24.5	21.3	18.0	14.7	-	52.1	4.2	24.1	21.2	18.4	15.5	12.6	-
	62	49.7	3.8	41.6	38.4	35.1	31.8	28.5	25.3	45.5	4.0	37.5	34.6	31.8	28.9	26.0	23.1
	57	46.2	3.7	44.8	43.5	41.7	38.4	35.2	31.9	42.4	4.0	40.1	39.0	37.7	34.8	31.9	29.0
2600	77	75.7	4.2	-0.2	-4.2	-8.1	-	-	-	70.5	4.4	-3.7	-7.2	-10.7	-	-	-
	72	67.7	4.0	15.9	12.0	8.1	4.1	-	-	62.5	4.3	12.4	8.9	5.3	1.8	-	-
	67	59.8	3.9	32.1	28.2	24.2	20.3	16.4	-	54.5	4.1	28.4	24.9	21.4	17.8	14.3	-
	62	52.2	3.7	47.8	43.9	39.9	36.0	32.1	28.2	47.6	4.0	44.1	40.5	37.0	33.5	29.9	26.4
	57	48.5	3.7	48.5	48.5	47.5	43.6	39.6	35.7	44.4	3.9	44.4	44.4	43.9	40.3	36.8	33.3
2925	72	69.4	4.0	18.3	13.7	9.1	4.5	-	-	64.1	4.3	14.5	10.3	6.1	1.8	-	-
	67	61.3	3.8	36.5	31.9	27.3	22.7	18.1	-	55.9	4.1	32.8	28.6	24.4	20.2	16.0	-
	62	53.5	3.7	51.3	49.4	45.0	40.5	35.9	31.3	48.8	4.0	47.0	45.3	42.3	38.1	33.9	29.7
	57	49.7	3.7	49.7	49.7	49.2	44.6	40.0	35.4	45.5	3.9	45.5	45.5	45.2	41.0	36.8	32.6
3250	72	71.2	4.0	20.6	15.4	10.1	4.9	-	-	65.7	4.3	16.5	11.7	6.8	1.9	-	-
	67	62.8	3.8	40.9	35.7	30.4	25.2	19.9	-	57.3	4.1	37.2	32.4	27.5	22.6	17.7	-
	62	54.9	3.7	54.9	54.9	50.1	44.9	39.6	34.4	50.0	4.0	50.0	50.0	47.6	42.8	37.9	33.0
	57	50.9	3.7	50.9	50.9	50.9	45.7	40.4	35.2	46.6	3.9	46.6	46.6	46.6	41.7	36.9	32.0

KB078 (6.5 ton) reheat capacity

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity [1] (MBh)	Total input [2] (kW)	Sensible capacity (MBh)						Total capacity [1] (MBh)	Total input [2] (kW)	Sensible capacity (MBh)					
				Return dry bulb (°F)								Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
1625	77	57.8	4.8	-4.4	-5.6	-6.7	-	-	-	54.3	5.0	-5.9	-6.7	-7.5	-	-	-
	72	50.7	4.6	3.7	2.5	1.3	0.1	-	-	47.1	4.9	1.0	0.2	-0.6	-1.4	-	-
	67	43.6	4.5	11.7	10.5	9.3	8.2	7.0	-	39.9	4.8	7.9	7.1	6.3	5.5	4.7	-
	62	38.0	4.4	19.5	18.4	17.2	16.0	14.8	13.7	34.7	4.7	14.7	13.9	13.1	12.3	11.5	10.7
1950	77	60.3	4.7	-5.3	-7.1	-8.9	-	-	-	56.3	5.0	-7.5	-8.9	-10.3	-	-	-
	72	52.9	4.6	5.4	3.6	1.7	-0.1	-	-	48.8	4.9	2.4	1.0	-0.5	-1.9	-	-
	67	45.5	4.5	16.0	14.2	12.4	10.6	8.7	-	41.2	4.8	12.3	10.9	9.4	8.0	6.5	-
	62	39.7	4.4	26.5	24.6	22.8	21.0	19.1	17.3	35.9	4.6	22.0	20.5	19.1	17.7	16.2	14.8
	57	37.2	4.3	30.6	28.8	27.0	25.1	23.3	21.5	33.8	4.5	25.3	23.9	22.5	21.0	19.6	18.2
2275	77	62.8	4.7	-6.2	-8.7	-11.1	-	-	-	58.2	4.9	-9.0	-11.1	-13.1	-	-	-
	72	55.1	4.6	7.1	4.6	2.2	-0.3	-	-	50.4	4.8	3.9	1.8	-0.3	-2.4	-	-
	67	47.4	4.4	20.4	17.9	15.4	13.0	10.5	-	42.6	4.7	16.7	14.6	12.5	10.4	8.4	-
	62	41.3	4.3	33.4	30.9	28.4	25.9	23.5	21.0	37.1	4.6	29.3	27.2	25.1	23.0	20.9	18.8
	57	38.7	4.2	35.4	34.5	33.6	31.1	28.6	26.2	35.0	4.5	30.7	30.0	29.5	27.5	25.4	23.3
2600	77	65.3	4.7	-7.1	-10.2	-13.3	-	-	-	60.1	4.9	-10.5	-13.2	-16.0	-	-	-
	72	57.3	4.5	8.8	5.7	2.6	-0.6	-	-	52.1	4.8	5.3	2.6	-0.2	-2.9	-	-
	67	49.3	4.4	24.8	21.6	18.5	15.4	12.2	-	44.0	4.7	21.1	18.4	15.6	12.9	10.2	-
	62	42.9	4.3	40.3	37.2	34.0	30.9	27.8	24.6	38.3	4.6	36.5	33.8	31.1	28.3	25.6	22.9
	57	40.2	4.2	40.2	40.2	40.2	37.1	34.0	30.8	36.1	4.5	36.1	36.1	36.1	33.9	31.1	28.4
2925	72	58.7	4.5	10.6	6.8	3.0	-0.8	-	-	53.4	4.8	6.8	3.4	0.0	-3.5	-	-
	67	50.5	4.4	29.2	25.3	21.5	17.7	13.9	-	45.2	4.7	25.5	22.1	18.6	15.2	11.8	-
	62	44.0	4.3	42.7	41.1	39.6	35.8	31.9	28.1	39.3	4.6	38.4	37.0	36.8	33.4	30.0	26.6
	57	41.3	4.2	41.3	41.3	41.3	37.4	33.6	29.8	37.0	4.4	37.0	37.0	37.0	33.9	30.4	27.0
3250	72	60.2	4.5	12.4	7.9	3.4	-1.1	-	-	54.7	4.7	8.3	4.2	0.1	-4.0	-	-
	67	51.8	4.4	33.6	29.1	24.6	20.1	15.6	-	46.3	4.6	29.9	25.8	21.6	17.5	13.4	-
	62	45.1	4.3	45.1	45.1	45.1	40.6	36.1	31.6	40.2	4.5	40.2	40.2	40.2	38.5	34.4	30.2
	57	42.3	4.2	42.3	42.3	42.3	37.8	33.3	28.8	38.0	4.4	38.0	38.0	38.0	33.8	29.7	25.6

1. These capacities are gross ratings. For net capacity, deduct air blower motor, MBh = 3.415 x kW. Refer to the appropriate Blower Performance Table for the kW of the supply air blower motor.
2. These ratings include the condensate fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

KB090 (7.5 ton) reheat capacity

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input[2] (kW)	Sensible capacity (MBh) Return dry bulb (°F)						Total capacity[1] (MBh)	Total input[2] (kW)	Sensible capacity (MBh) Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
		35°F								45°F							
1875	77	59.9	4.3	-0.3	-1.2	-2.1	-	-	-	60.0	4.7	-4.4	-5.2	-6.1	-	-	-
	72	58.5	4.2	4.5	3.6	2.7	1.8	-	-	56.4	4.5	2.3	1.4	0.6	-0.2	-	-
	67	57.1	4.1	9.3	8.4	7.5	6.6	5.7	-	52.9	4.3	8.9	8.1	7.3	6.4	5.6	-
	62	52.7	3.9	14.0	13.1	12.2	11.3	10.4	9.5	47.7	4.1	15.7	14.8	14.0	13.2	12.3	11.5
2250	77	61.6	4.3	-1.5	-3.2	-4.8	-	-	-	62.3	4.7	-6.7	-8.2	-9.7	-	-	-
	72	60.2	4.2	7.4	5.8	4.1	2.5	-	-	58.6	4.5	4.0	2.5	1.0	-0.5	-	-
	67	58.8	4.1	16.4	14.7	13.1	11.4	9.8	-	55.0	4.3	14.7	13.2	11.7	10.2	8.7	-
	62	54.3	3.9	25.3	23.6	22.0	20.3	18.7	17.1	49.5	4.1	25.5	24.0	22.5	21.0	19.5	18.0
	57	51.5	3.8	32.0	30.3	28.7	27.0	25.4	23.7	46.6	4.0	31.4	29.9	28.4	26.9	25.4	23.9
2625	77	63.3	4.2	-2.8	-5.2	-7.6	-	-	-	64.7	4.6	-9.1	-11.2	-13.4	-	-	-
	72	61.9	4.2	10.3	8.0	5.6	3.2	-	-	60.9	4.5	5.7	3.5	1.3	-0.8	-	-
	67	60.5	4.1	23.5	21.1	18.7	16.3	13.9	-	57.0	4.3	20.4	18.2	16.1	13.9	11.7	-
	62	56.0	3.8	36.6	34.2	31.8	29.4	27.0	24.6	51.4	4.1	35.3	33.1	31.0	28.8	26.6	24.4
	57	53.0	3.8	43.2	42.4	41.3	38.9	36.5	34.1	48.4	4.0	40.8	40.0	39.1	36.9	34.8	32.6
3000	77	65.0	4.2	-4.0	-7.2	-10.3	-	-	-	67.0	4.6	-11.4	-14.2	-17.1	-	-	-
	72	63.6	4.1	13.3	10.1	7.0	3.8	-	-	63.1	4.4	7.4	4.5	1.7	-1.1	-	-
	67	62.2	4.1	30.6	27.4	24.3	21.1	18.0	-	59.1	4.3	26.2	23.3	20.5	17.6	14.8	-
	62	57.6	3.8	47.9	44.7	41.6	38.4	35.3	32.1	53.3	4.0	45.1	42.3	39.4	36.6	33.8	30.9
	57	54.5	3.7	54.5	54.5	53.9	50.8	47.6	44.5	50.1	3.9	50.1	50.1	49.8	47.0	44.1	41.3
3375	72	64.1	4.1	15.1	11.7	8.2	4.8	-	-	64.0	4.4	8.5	5.2	2.0	-1.3	-	-
	67	62.7	4.0	33.6	30.2	26.7	23.3	19.8	-	60.0	4.3	30.0	26.7	23.4	20.1	16.8	-
	62	58.0	3.8	53.2	51.4	46.0	42.6	39.2	35.7	54.1	4.0	50.0	48.4	45.1	41.8	38.5	35.2
	57	55.0	3.7	55.0	55.0	54.7	51.3	47.8	44.4	50.9	3.9	50.9	50.9	50.7	47.4	44.1	40.8
3750	72	64.5	4.1	16.9	13.2	9.5	5.7	-	-	64.9	4.4	9.7	6.0	2.2	-1.6	-	-
	67	63.2	4.0	36.6	32.9	29.1	25.4	21.7	-	60.9	4.2	33.9	30.1	26.4	22.6	18.9	-
	62	58.5	3.8	58.5	58.0	50.5	46.8	43.1	39.3	54.8	4.0	54.8	54.6	50.8	47.1	43.3	39.6
	57	55.5	3.7	55.5	55.5	55.5	51.7	48.0	44.3	51.6	3.9	51.6	51.6	51.6	47.9	44.1	40.4
		55°F								65°F							
1875	77	60.1	5.1	-8.5	-9.3	-10.1	-	-	-	58.3	5.3	-7.9	-8.4	-8.9	-	-	-
	72	54.4	4.8	0.0	-0.7	-1.5	-2.3	-	-	52.0	5.1	-1.0	-1.4	-1.9	-2.4	-	-
	67	48.8	4.5	8.6	7.8	7.0	6.3	5.5	-	45.8	4.8	6.0	5.6	5.1	4.6	4.1	-
	62	42.6	4.3	17.3	16.5	15.8	15.0	14.3	13.5	39.7	4.6	13.2	12.7	12.2	11.7	11.2	10.8
2250	77	63.0	5.1	-11.9	-13.3	-14.6	-	-	-	60.5	5.3	-12.4	-13.5	-14.5	-	-	-
	72	57.1	4.8	0.5	-0.8	-2.2	-3.5	-	-	54.0	5.0	-1.2	-2.2	-3.3	-4.3	-	-
	67	51.2	4.5	13.0	11.6	10.2	8.9	7.5	-	47.5	4.8	10.1	9.0	8.0	7.0	5.9	-
	62	44.7	4.3	25.7	24.3	23.0	21.6	20.3	18.9	41.2	4.6	21.5	20.5	19.5	18.4	17.4	16.4
	57	41.8	4.2	30.8	29.5	28.1	26.8	25.4	24.1	38.6	4.4	25.8	24.7	23.7	22.7	21.6	20.6
2625	77	66.0	5.1	-15.3	-17.3	-19.2	-	-	-	62.7	5.3	-16.9	-18.5	-20.1	-	-	-
	72	59.8	4.8	1.0	-0.9	-2.9	-4.8	-	-	56.0	5.0	-1.4	-3.0	-4.6	-6.2	-	-
	67	53.6	4.5	17.3	15.4	13.5	11.5	9.6	-	49.3	4.8	14.1	12.5	10.9	9.3	7.8	-
	62	46.8	4.3	34.0	32.1	30.1	28.2	26.3	24.3	42.7	4.5	29.9	28.3	26.8	25.2	23.6	22.0
	57	43.8	4.2	38.3	37.6	36.9	35.0	33.0	31.1	40.0	4.4	33.6	33.1	32.5	31.0	29.4	27.8
3000	77	69.0	5.0	-18.7	-21.2	-23.8	-	-	-	64.9	5.3	-21.4	-23.6	-25.7	-	-	-
	72	62.5	4.8	1.5	-1.0	-3.6	-6.1	-	-	57.9	5.0	-1.6	-3.8	-5.9	-8.1	-	-
	67	56.0	4.5	21.7	19.2	16.7	14.1	11.6	-	51.0	4.7	18.1	16.0	13.8	11.7	9.6	-
	62	48.9	4.3	42.4	39.9	37.3	34.8	32.2	29.7	44.2	4.5	38.3	36.2	34.0	31.9	29.7	27.6
	57	45.7	4.2	45.7	45.7	45.7	43.2	40.6	38.1	41.4	4.4	41.4	41.4	41.4	39.2	37.1	35.0
3375	72	63.9	4.7	2.0	-1.2	-4.3	-7.5	-	-	59.2	5.0	-2.1	-4.9	-7.7	-10.5	-	-
	67	57.3	4.5	26.5	23.3	20.1	17.0	13.8	-	52.1	4.7	23.1	20.3	17.5	14.7	11.9	-
	62	50.1	4.3	46.8	45.5	44.2	41.1	37.9	34.8	45.2	4.5	42.2	41.2	40.1	37.3	34.5	31.7
	57	46.8	4.2	46.8	46.8	46.8	43.6	40.5	37.3	42.3	4.4	42.3	42.3	42.3	39.5	36.7	33.9
3750	72	65.3	4.7	2.5	-1.3	-5.1	-8.8	-	-	60.5	5.0	-2.6	-6.1	-9.5	-13.0	-	-
	67	58.6	4.5	31.2	27.4	23.6	19.9	16.1	-	53.3	4.7	28.1	24.6	21.2	17.7	14.2	-
	62	51.2	4.2	51.2	51.2	51.2	47.4	43.6	39.8	46.2	4.5	46.2	46.2	46.2	42.7	39.2	35.8
	57	47.8	4.1	47.8	47.8	47.8	44.0	40.3	36.5	43.2	4.4	43.2	43.2	43.2	39.8	36.3	32.8

KB090 (7.5 ton) reheat capacity

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input[2] (kW)	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input[2] (kW)	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
1875	77	56.6	5.6	-7.4	-7.6	-7.8	-	-	-	54.8	5.8	-6.8	-6.7	-6.6	-	-	-
	72	49.7	5.3	-1.9	-2.1	-2.3	-2.5	-	-	47.3	5.6	-2.9	-2.8	-2.7	-2.7	-	-
	67	42.8	5.1	3.5	3.3	3.1	2.9	2.7	-	39.8	5.4	1.0	1.1	1.1	1.2	1.3	-
	62	36.8	4.9	9.0	8.8	8.6	8.4	8.2	8.0	33.9	5.2	4.9	5.0	5.1	5.1	5.2	5.3
2250	77	58.0	5.5	-12.9	-13.7	-14.4	-	-	-	55.4	5.8	-13.5	-13.8	-14.2	-	-	-
	72	50.9	5.3	-2.9	-3.6	-4.3	-5.0	-	-	47.8	5.5	-4.6	-5.0	-5.4	-5.8	-	-
	67	43.9	5.1	7.2	6.5	5.8	5.0	4.3	-	40.2	5.3	4.3	3.9	3.5	3.1	2.7	-
	62	37.7	4.8	17.4	16.7	16.0	15.3	14.6	13.9	34.2	5.1	13.3	12.9	12.5	12.1	11.7	11.3
	57	35.3	4.7	20.7	20.0	19.3	18.6	17.9	17.1	32.1	4.9	15.7	15.3	14.9	14.5	14.1	13.7
2625	77	59.3	5.5	-18.5	-19.8	-21.0	-	-	-	56.0	5.7	-20.1	-21.0	-21.9	-	-	-
	72	52.1	5.3	-3.8	-5.1	-6.3	-7.5	-	-	48.3	5.5	-6.3	-7.1	-8.0	-8.9	-	-
	67	44.9	5.0	10.8	9.6	8.4	7.2	5.9	-	40.6	5.3	7.6	6.7	5.9	5.0	4.1	-
	62	38.6	4.8	25.8	24.6	23.4	22.1	20.9	19.7	34.5	5.1	21.7	20.8	20.0	19.1	18.2	17.4
	57	36.2	4.7	28.9	28.5	28.2	26.9	25.7	24.5	32.4	4.9	24.2	24.0	23.8	22.9	22.1	21.2
3000	77	60.7	5.5	-24.1	-25.9	-27.6	-	-	-	56.6	5.7	-26.8	-28.2	-29.5	-	-	-
	72	53.4	5.2	-4.8	-6.5	-8.3	-10.0	-	-	48.8	5.5	-8.0	-9.3	-10.6	-12.0	-	-
	67	46.0	5.0	14.5	12.8	11.0	9.3	7.6	-	40.9	5.2	10.9	9.6	8.2	6.9	5.6	-
	62	39.5	4.8	34.2	32.5	30.7	29.0	27.2	25.5	34.8	5.0	30.1	28.7	27.4	26.1	24.7	23.4
	57	37.0	4.6	37.0	37.0	37.0	35.3	33.6	31.8	32.7	4.9	32.7	32.7	32.7	31.4	30.0	28.7
3375	72	54.5	5.2	-6.2	-8.7	-11.1	-13.6	-	-	49.8	5.5	-10.4	-12.5	-14.6	-16.7	-	-
	67	47.0	5.0	19.8	17.3	14.9	12.4	10.0	-	41.8	5.2	16.4	14.3	12.2	10.1	8.0	-
	62	40.4	4.8	37.7	36.8	36.0	33.5	31.1	28.6	35.5	5.0	33.2	32.5	31.8	29.7	27.6	25.5
	57	37.9	4.6	37.9	37.9	37.9	35.4	32.9	30.5	33.4	4.9	33.4	33.4	33.4	31.3	29.2	27.1
3750	72	55.7	5.2	-7.7	-10.8	-14.0	-17.2	-	-	50.9	5.4	-12.7	-15.6	-18.5	-21.3	-	-
	67	48.0	5.0	25.0	21.9	18.7	15.5	12.3	-	42.7	5.2	21.9	19.1	16.2	13.3	10.5	-
	62	41.2	4.8	41.2	41.2	41.2	38.1	34.9	31.7	36.3	5.0	36.3	36.3	36.3	33.4	30.5	27.7
	57	38.7	4.6	38.7	38.7	38.7	35.5	32.3	29.2	34.1	4.9	34.1	34.1	34.1	31.2	28.4	25.5

1. These capacities are gross ratings. For net capacity, deduct air blower motor, MBh = 3.415 x kW. Refer to the appropriate Blower Performance Table for the kW of the supply air blower motor.
2. These ratings include the condensate fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

KB102 (8.5 ton) reheat capacity

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity [1] (MBh)	Total input [2] (kW)	Sensible capacity (MBh)						Total capacity [1] (MBh)	Total input [2] (kW)	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		35°F								45°F							
2125	77	71.5	4.4	3.5	1.0	-1.6	-	-	-	70.7	4.9	-1.9	-3.9	-5.9	-	-	-
	72	68.6	4.3	14.2	11.7	9.2	6.6	-	-	65.9	4.7	9.0	6.9	4.9	2.9	-	-
	67	65.8	4.3	25.0	22.4	19.9	17.3	14.8	-	61.2	4.6	19.8	17.8	15.7	13.7	11.7	-
	62	61.2	4.1	40.3	37.7	35.2	32.6	30.1	27.6	55.3	4.4	32.5	30.4	28.4	26.4	24.4	22.4
2550	77	73.8	4.4	5.0	2.1	-0.9	-	-	-	73.2	4.9	-2.1	-4.7	-7.3	-	-	-
	72	70.8	4.4	17.1	14.2	11.2	8.3	-	-	68.3	4.7	11.2	8.6	6.1	3.5	-	-
	67	67.9	4.3	29.2	26.2	23.3	20.3	17.4	-	63.4	4.6	24.6	22.0	19.4	16.8	14.2	-
	62	63.2	4.1	47.0	44.1	41.1	38.2	35.2	32.3	57.2	4.4	40.2	37.6	35.0	32.4	29.9	27.3
	57	58.0	4.1	52.7	49.7	46.8	43.8	40.9	38.0	53.4	4.3	46.1	43.5	40.9	38.3	35.8	33.2
2975	77	76.0	4.4	6.5	3.2	-0.2	-	-	-	75.8	4.9	-2.4	-5.5	-8.7	-	-	-
	72	73.0	4.4	20.0	16.6	13.3	9.9	-	-	70.7	4.7	13.5	10.3	7.2	4.1	-	-
	67	70.0	4.4	33.4	30.0	26.7	23.3	20.0	-	65.6	4.6	29.4	26.2	23.1	19.9	16.8	-
	62	65.2	4.2	53.8	50.4	47.1	43.7	40.4	37.1	59.2	4.4	47.9	44.8	41.6	38.5	35.4	32.2
	57	59.8	4.1	57.1	55.7	53.4	50.1	46.7	43.4	55.3	4.3	51.6	50.3	48.6	45.5	42.4	39.2
3400	77	78.3	4.4	8.0	4.3	0.5	-	-	-	78.3	4.8	-2.7	-6.4	-10.1	-	-	-
	72	75.2	4.4	22.8	19.1	15.3	11.6	-	-	73.1	4.7	15.7	12.0	8.3	4.6	-	-
	67	72.1	4.4	37.6	33.8	30.1	26.4	22.6	-	67.8	4.6	34.1	30.4	26.7	23.0	19.3	-
	62	67.2	4.2	60.5	56.8	53.0	49.3	45.5	41.8	61.2	4.4	55.6	51.9	48.2	44.5	40.8	37.1
	57	61.6	4.1	61.6	61.6	60.0	56.3	52.6	48.8	57.2	4.3	57.2	57.2	56.4	52.7	49.0	45.3
3825	72	76.1	4.4	25.0	21.2	17.3	13.4	-	-	74.9	4.7	17.7	13.5	9.4	5.3	-	-
	67	73.1	4.4	41.1	37.2	33.4	29.5	25.6	-	69.5	4.6	38.5	34.4	30.3	26.2	22.0	-
	62	68.1	4.2	64.8	62.9	58.7	54.8	50.9	47.1	62.8	4.4	60.0	58.1	54.6	50.5	46.4	42.3
	57	62.4	4.1	62.4	62.4	61.6	57.7	53.9	50.0	58.6	4.3	58.6	58.6	58.2	54.1	50.0	45.9
4250	72	77.0	4.4	27.3	23.3	19.3	15.3	-	-	76.8	4.7	19.6	15.1	10.5	6.0	-	-
	67	74.0	4.4	44.6	40.6	36.6	32.6	28.6	-	71.2	4.6	42.8	38.3	33.8	29.3	24.7	-
	62	69.0	4.2	69.0	69.0	64.3	60.4	56.4	52.4	64.3	4.4	64.3	64.3	61.0	56.5	51.9	47.4
	57	63.2	4.1	63.2	63.2	63.2	59.2	55.2	51.2	60.1	4.3	60.1	60.1	60.1	55.5	51.0	46.5
		55°F								65°F							
2125	77	69.9	5.4	-7.3	-8.8	-10.3	-	-	-	67.6	5.6	-7.5	-8.5	-9.6	-	-	-
	72	63.2	5.1	3.7	2.2	0.7	-0.8	-	-	59.7	5.4	1.7	0.6	-0.4	-1.5	-	-
	67	56.5	4.9	14.6	13.1	11.6	10.1	8.6	-	51.7	5.2	10.8	9.8	8.7	7.6	6.6	-
	62	49.3	4.7	24.6	23.1	21.6	20.1	18.6	17.2	44.9	5.0	19.9	18.9	17.8	16.7	15.6	14.6
2550	77	72.7	5.3	-9.3	-11.5	-13.8	-	-	-	70.2	5.6	-10.4	-12.2	-13.9	-	-	-
	72	65.8	5.1	5.3	3.1	0.9	-1.3	-	-	62.0	5.3	2.7	1.0	-0.8	-2.5	-	-
	67	58.8	4.9	20.0	17.8	15.5	13.3	11.1	-	53.7	5.1	15.8	14.1	12.3	10.6	8.8	-
	62	51.3	4.7	33.3	31.1	28.9	26.7	24.5	22.3	46.7	4.9	29.0	27.2	25.5	23.7	22.0	20.2
	57	48.9	4.6	39.5	37.3	35.1	32.8	30.6	28.4	44.9	4.9	33.7	31.9	30.2	28.4	26.6	24.9
2975	77	75.5	5.3	-11.3	-14.3	-17.2	-	-	-	72.8	5.5	-13.3	-15.8	-18.2	-	-	-
	72	68.3	5.1	7.0	4.1	1.1	-1.8	-	-	64.3	5.3	3.7	1.3	-1.1	-3.6	-	-
	67	61.1	4.8	25.3	22.4	19.5	16.5	13.6	-	55.8	5.1	20.8	18.4	16.0	13.5	11.1	-
	62	53.3	4.6	42.0	39.1	36.2	33.2	30.3	27.4	48.4	4.9	38.0	35.6	33.1	30.7	28.3	25.8
	57	50.8	4.6	46.1	45.0	43.9	40.9	38.0	35.1	46.6	4.9	41.0	40.1	39.2	36.8	34.3	31.9
3400	77	78.4	5.3	-13.4	-17.0	-20.7	-	-	-	75.4	5.5	-16.3	-19.4	-22.5	-	-	-
	72	70.9	5.0	8.7	5.0	1.3	-2.3	-	-	66.6	5.3	4.8	1.6	-1.5	-4.6	-	-
	67	63.4	4.8	30.7	27.0	23.4	19.7	16.1	-	57.8	5.1	25.8	22.7	19.6	16.5	13.3	-
	62	55.3	4.6	50.8	47.1	43.4	39.8	36.1	32.5	50.2	4.9	47.1	43.9	40.8	37.7	34.6	31.4
	57	52.7	4.5	52.7	52.7	52.7	49.0	45.4	41.7	48.3	4.8	48.3	48.3	48.2	45.1	42.0	38.9
3825	72	73.7	5.0	10.3	5.9	1.6	-2.8	-	-	68.8	5.3	5.8	1.9	-2.0	-5.9	-	-
	67	65.9	4.8	35.9	31.5	27.2	22.8	18.5	-	59.7	5.1	31.6	27.7	23.8	19.9	16.0	-
	62	57.5	4.6	55.2	53.4	50.5	46.2	41.8	37.5	51.8	4.9	50.3	48.7	46.7	42.7	38.8	34.9
	57	54.8	4.5	54.8	54.8	54.8	50.4	46.1	41.7	49.9	4.8	49.9	49.9	49.9	45.9	42.0	38.1
4250	72	76.5	5.0	11.9	6.8	1.8	-3.3	-	-	71.0	5.2	6.9	2.2	-2.5	-7.2	-	-
	67	68.5	4.8	41.1	36.0	31.0	25.9	20.9	-	61.6	5.0	37.4	32.7	28.0	23.3	18.6	-
	62	59.7	4.6	59.7	59.7	57.6	52.5	47.5	42.4	53.5	4.8	53.5	53.5	52.5	47.8	43.1	38.4
	57	56.9	4.5	56.9	56.9	56.9	51.9	46.8	41.8	51.5	4.8	51.5	51.5	51.5	46.8	42.1	37.4

KB102 (8.5 ton) reheat capacity

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity [1] (MBh)	Total input[2] (kW)	Sensible capacity (MBh)						Total capacity [1] (MBh)	Total input [2] (kW)	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
2125	77	65.3	5.8	-7.6	-8.3	-8.9	-	-	-	63.0	6.1	-7.8	-8.0	-8.2	-	-	-
	72	56.1	5.6	-0.3	-0.9	-1.6	-2.2	-	-	52.6	5.9	-2.3	-2.5	-2.7	-2.9	-	-
	67	47.0	5.5	7.1	6.4	5.8	5.1	4.5	-	42.2	5.7	3.3	3.0	2.8	2.6	2.4	-
	62	40.6	5.2	15.2	14.6	13.9	13.3	12.6	12.0	36.3	5.5	10.5	10.3	10.1	9.9	9.6	9.4
2550	77	67.7	5.8	-11.5	-12.8	-14.1	-	-	-	65.1	6.0	-12.6	-13.4	-14.2	-	-	-
	72	58.2	5.6	0.1	-1.2	-2.5	-3.8	-	-	54.4	5.9	-2.5	-3.3	-4.2	-5.0	-	-
	67	48.7	5.4	11.7	10.4	9.1	7.8	6.5	-	43.6	5.7	7.6	6.7	5.9	5.1	4.2	-
	62	42.1	5.2	24.6	23.3	22.0	20.7	19.4	18.1	37.5	5.5	20.3	19.4	18.6	17.7	16.9	16.1
	57	40.9	5.2	27.8	26.5	25.3	24.0	22.7	21.4	36.9	5.4	22.0	21.2	20.3	19.5	18.7	17.8
2975	77	70.0	5.8	-15.3	-17.3	-19.2	-	-	-	67.3	6.0	-17.3	-18.8	-20.2	-	-	-
	72	60.2	5.6	0.5	-1.4	-3.4	-5.3	-	-	56.1	5.8	-2.7	-4.2	-5.6	-7.1	-	-
	67	50.4	5.4	16.4	14.4	12.5	10.5	8.6	-	45.0	5.7	11.9	10.4	9.0	7.5	6.0	-
	62	43.6	5.2	34.0	32.1	30.1	28.2	26.2	24.3	38.7	5.5	30.0	28.5	27.1	25.6	24.2	22.7
	57	42.4	5.1	35.8	35.2	34.5	32.6	30.6	28.7	38.1	5.4	30.7	30.3	29.8	28.4	26.9	25.5
3400	77	72.4	5.7	-19.2	-21.8	-24.4	-	-	-	69.4	6.0	-22.1	-24.2	-26.3	-	-	-
	72	62.3	5.5	0.9	-1.7	-4.3	-6.9	-	-	57.9	5.8	-3.0	-5.0	-7.1	-9.2	-	-
	67	52.1	5.4	21.0	18.4	15.8	13.2	10.6	-	46.4	5.6	16.2	14.1	12.0	9.9	7.9	-
	62	45.1	5.2	43.4	40.8	38.2	35.6	33.0	30.4	39.9	5.4	39.7	37.6	35.6	33.5	31.4	29.4
	57	43.8	5.1	43.8	43.8	43.8	41.2	38.6	36.0	39.3	5.4	39.3	39.3	39.3	37.3	35.2	33.1
3825	72	63.8	5.5	1.4	-2.1	-5.6	-9.0	-	-	58.9	5.8	-3.1	-6.1	-9.1	-12.1	-	-
	67	53.4	5.3	27.3	23.9	20.4	16.9	13.5	-	47.2	5.6	23.1	20.0	17.0	14.0	11.0	-
	62	46.2	5.1	45.4	44.1	42.8	39.3	35.8	32.4	40.6	5.4	40.5	39.4	38.9	35.9	32.9	29.8
	57	44.9	5.1	44.9	44.9	44.9	41.4	38.0	34.5	40.0	5.3	40.0	40.0	40.0	36.9	33.9	30.9
4250	72	65.4	5.5	1.9	-2.5	-6.8	-11.1	-	-	59.9	5.7	-3.1	-7.1	-11.1	-15.1	-	-
	67	54.8	5.3	33.7	29.3	25.0	20.7	16.3	-	47.9	5.6	30.0	26.0	22.0	18.0	14.0	-
	62	47.4	5.1	47.4	47.4	47.4	43.0	38.7	34.3	41.2	5.3	41.2	41.2	41.2	38.3	34.3	30.3
	57	46.0	5.0	46.0	46.0	46.0	41.7	37.4	33.0	40.6	5.3	40.6	40.6	40.6	36.6	32.6	28.7

1. These capacities are gross ratings. For net capacity, deduct air blower motor, MBh = 3.415 x kW. Refer to the appropriate Blower Performance Table for the kW of the supply air blower motor.
2. These ratings include the condensate fan motors (total 1 kW) and the compressor motors but not the supply air blower motor

KB120 (10 ton) reheat capacity

Air on evaporator coil		Temperature of air on condenser coil															
CFM	WB (°F)	Total capacity [1] (MBh)	Total input [2] (kW)	Sensible capacity (MBh) Return dry bulb (°F) 90	85	80	75	70	65	Total capacity [1] (MBh)	Total input [2] (kW)	Sensible capacity (MBh) Return dry bulb (°F) 90	85	80	75	70	65
		35°F								45°F							
2500	77	85.5	5.7	0.3	-2.3	-4.9	-	-	-	84.8	6.1	-5.3	-7.5	-9.7	-	-	-
	72	81.5	5.5	13.4	10.8	8.2	5.6	-	-	79.1	5.9	8.4	6.2	4.0	1.8	-	-
	67	77.5	5.3	26.5	23.9	21.3	18.7	16.1	-	73.4	5.6	22.1	20.0	17.8	15.6	13.4	-
	62	72.4	5.1	39.7	37.1	34.5	31.9	29.3	26.7	67.2	5.4	35.8	33.6	31.4	29.2	27.0	24.8
3000	77	87.8	5.7	0.6	-2.6	-5.9	-	-	-	87.1	6.1	-6.5	-9.4	-12.2	-	-	-
	72	83.6	5.5	16.8	13.6	10.3	7.1	-	-	81.2	5.9	10.8	7.9	5.1	2.2	-	-
	67	79.5	5.3	33.1	29.8	26.6	23.3	20.1	-	75.3	5.6	28.1	25.3	22.4	19.5	16.7	-
	62	74.2	5.1	49.4	46.1	42.8	39.6	36.3	33.1	69.0	5.4	45.3	42.5	39.6	36.7	33.9	31.0
	57	70.5	4.9	59.7	56.5	53.2	49.9	46.7	43.4	64.5	5.2	53.7	50.9	48.0	45.2	42.3	39.4
3500	77	90.0	5.7	1.0	-2.9	-6.8	-	-	-	89.4	6.1	-7.7	-11.2	-14.8	-	-	-
	72	85.7	5.5	20.3	16.4	12.5	8.6	-	-	83.4	5.9	13.2	9.7	6.1	2.6	-	-
	67	81.5	5.3	39.6	35.7	31.8	27.9	24.0	-	77.3	5.6	34.1	30.6	27.0	23.5	20.0	-
	62	76.1	5.1	59.0	55.1	51.2	47.3	43.4	39.5	70.8	5.4	54.9	51.3	47.8	44.3	40.7	37.2
	57	72.2	4.9	66.9	65.2	63.6	59.7	55.8	51.9	66.2	5.2	60.8	59.4	58.0	54.4	50.9	47.4
4000	77	92.2	5.7	1.3	-3.2	-7.8	-	-	-	91.7	6.1	-8.9	-13.1	-17.3	-	-	-
	72	87.9	5.5	23.7	19.2	14.6	10.1	-	-	85.5	5.9	15.6	11.4	7.2	3.0	-	-
	67	83.5	5.3	46.1	41.6	37.0	32.5	28.0	-	79.3	5.6	40.1	35.9	31.7	27.5	23.3	-
	62	78.0	5.1	68.7	64.1	59.6	55.0	50.5	45.9	72.6	5.4	64.4	60.2	56.0	51.8	47.6	43.4
	57	74.0	4.9	74.0	74.0	74.0	69.5	64.9	60.4	67.9	5.2	67.9	67.9	67.9	63.7	59.5	55.3
4500	72	88.2	5.5	25.3	20.6	15.9	11.3	-	-	86.3	5.9	17.0	12.4	7.8	3.2	-	-
	67	83.9	5.3	47.5	42.9	38.2	33.5	28.8	-	80.0	5.6	43.7	39.1	34.5	29.9	25.3	-
	62	78.4	5.1	73.7	68.4	61.1	56.4	51.7	47.0	73.3	5.4	69.2	65.5	60.9	56.3	51.7	47.1
	57	74.4	4.9	74.4	74.4	74.4	69.7	65.0	60.3	68.5	5.2	68.5	68.5	68.5	63.9	59.3	54.7
5000	72	88.6	5.5	26.9	22.1	17.3	12.4	-	-	87.1	5.9	18.5	13.5	8.5	3.4	-	-
	67	84.3	5.3	48.9	44.1	39.3	34.5	29.7	-	80.8	5.6	47.3	42.3	37.3	32.3	27.2	-
	62	78.8	5.1	78.8	72.6	62.6	57.7	52.9	48.1	74.0	5.4	74.0	70.9	65.9	60.9	55.9	50.8
	57	74.8	4.9	74.8	74.8	74.8	70.0	65.1	60.3	69.2	5.2	69.2	69.2	69.2	64.2	59.1	54.1
		55°F								65°F							
2500	77	84.1	6.5	-10.9	-12.7	-14.5	-	-	-	79.3	6.9	-11.5	-12.7	-14.0	-	-	-
	72	76.7	6.3	3.4	1.6	-0.1	-1.9	-	-	71.2	6.7	0.9	-0.4	-1.7	-2.9	-	-
	67	69.2	6.0	17.8	16.0	14.2	12.4	10.6	-	63.1	6.4	13.2	11.9	10.7	9.4	8.1	-
	62	62.0	5.7	31.9	30.1	28.3	26.5	24.7	23.0	55.8	6.1	25.5	24.2	22.9	21.7	20.4	19.1
3000	77	86.5	6.5	-13.6	-16.1	-18.6	-	-	-	81.8	6.9	-15.6	-17.6	-19.6	-	-	-
	72	78.8	6.2	4.8	2.3	-0.2	-2.6	-	-	73.5	6.6	1.4	-0.6	-2.5	-4.5	-	-
	67	71.2	6.0	23.2	20.7	18.2	15.8	13.3	-	65.1	6.3	18.4	16.5	14.5	12.6	10.6	-
	62	63.8	5.7	41.3	38.8	36.3	33.9	31.4	28.9	57.6	6.1	35.4	33.5	31.5	29.6	27.6	25.6
	57	58.6	5.6	47.8	45.3	42.8	40.4	37.9	35.4	53.7	6.0	40.8	38.9	36.9	35.0	33.0	31.0
3500	77	88.9	6.5	-16.4	-19.5	-22.7	-	-	-	84.3	6.9	-19.8	-22.5	-25.1	-	-	-
	72	81.0	6.2	6.1	2.9	-0.2	-3.4	-	-	75.7	6.6	1.9	-0.7	-3.4	-6.0	-	-
	67	73.1	5.9	28.6	25.4	22.3	19.1	15.9	-	67.1	6.3	23.7	21.0	18.4	15.7	13.1	-
	62	65.5	5.7	50.7	47.5	44.4	41.2	38.0	34.9	59.3	6.0	45.4	42.7	40.1	37.4	34.8	32.1
	57	60.2	5.6	54.8	53.6	52.3	49.2	46.0	42.8	55.3	6.0	48.9	47.9	46.9	44.3	41.6	39.0
4000	77	91.2	6.5	-19.1	-22.9	-26.8	-	-	-	86.8	6.8	-24.0	-27.3	-30.7	-	-	-
	72	83.1	6.2	7.5	3.6	-0.2	-4.1	-	-	78.0	6.6	2.5	-0.9	-4.2	-7.5	-	-
	67	75.1	5.9	34.0	30.1	26.3	22.4	18.6	-	69.1	6.3	28.9	25.6	22.2	18.9	15.6	-
	62	67.3	5.6	60.1	56.3	52.4	48.6	44.7	40.8	61.1	6.0	55.3	52.0	48.6	45.3	42.0	38.6
	57	61.8	5.6	61.8	61.8	61.8	57.9	54.1	50.2	57.0	5.9	57.0	57.0	57.0	53.6	50.3	46.9
4500	72	84.3	6.2	8.8	4.2	-0.3	-4.8	-	-	79.8	6.6	2.8	-1.3	-5.4	-9.5	-	-
	67	76.1	5.9	39.8	35.3	30.8	26.2	21.7	-	70.7	6.3	35.2	31.1	27.0	22.9	18.8	-
	62	68.3	5.7	64.7	62.7	60.8	56.3	51.7	47.2	62.5	6.0	59.6	57.9	56.3	52.2	48.1	44.0
	57	62.7	5.6	62.7	62.7	62.7	58.1	53.6	49.1	58.3	5.9	58.3	58.3	58.3	54.2	50.1	46.0
5000	72	85.5	6.2	10.1	4.9	-0.3	-5.5	-	-	81.6	6.6	3.2	-1.7	-6.5	-11.4	-	-
	67	77.2	6.0	45.7	40.5	35.2	30.0	24.8	-	72.3	6.3	41.5	36.6	31.8	26.9	22.0	-
	62	69.2	5.7	69.2	69.2	69.2	64.0	58.8	53.6	63.9	6.0	63.9	63.9	63.9	59.1	54.2	49.3
	57	63.6	5.6	63.6	63.6	63.6	58.4	53.1	47.9	59.6	5.9	59.6	59.6	59.6	54.8	49.9	45.0

KB120 (10 ton) reheat capacity

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity [1] (MBh)	Total input [2] (kW)	Sensible capacity (MBh)						Total capacity [1] (MBh)	Total input [2] (kW)	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
2500	77	74.5	7.4	-12.0	-12.8	-13.5	-	-	-	69.7	7.8	-12.6	-12.8	-13.0	-	-	-
	72	65.8	7.1	-1.7	-2.4	-3.2	-3.9	-	-	60.3	7.5	-4.3	-4.5	-4.7	-5.0	-	-
	67	57.0	6.8	8.6	7.9	7.1	6.4	5.6	-	50.9	7.1	4.1	3.8	3.6	3.4	3.1	-
	62	49.6	6.5	19.1	18.3	17.6	16.8	16.1	15.3	43.4	6.9	12.7	12.5	12.2	12.0	11.8	11.5
3000	77	77.1	7.3	-17.6	-19.1	-20.5	-	-	-	72.5	7.7	-19.6	-20.6	-21.5	-	-	-
	72	68.1	7.0	-2.0	-3.4	-4.9	-6.3	-	-	62.7	7.4	-5.3	-6.3	-7.2	-8.1	-	-
	67	59.1	6.7	13.7	12.3	10.8	9.4	7.9	-	53.0	7.1	9.0	8.0	7.1	6.2	5.3	-
	62	51.4	6.5	29.6	28.1	26.7	25.2	23.8	22.4	45.1	6.9	23.7	22.8	21.9	20.9	20.0	19.1
	57	48.8	6.4	33.9	32.4	31.0	29.5	28.1	26.7	43.8	6.8	26.9	26.0	25.0	24.1	23.2	22.3
3500	77	79.8	7.3	-23.3	-25.4	-27.5	-	-	-	75.3	7.6	-26.7	-28.3	-29.9	-	-	-
	72	70.4	7.0	-2.2	-4.4	-6.5	-8.6	-	-	65.2	7.3	-6.4	-8.0	-9.7	-11.3	-	-
	67	61.1	6.7	18.8	16.6	14.5	12.4	10.2	-	55.1	7.0	13.9	12.3	10.6	9.0	7.4	-
	62	53.1	6.4	40.1	37.9	35.8	33.7	31.5	29.4	46.9	6.8	34.7	33.1	31.5	29.9	28.3	26.6
	57	50.4	6.3	43.0	42.3	41.6	39.4	37.3	35.2	45.6	6.7	37.1	36.6	36.2	34.5	32.9	31.3
4000	77	82.4	7.2	-28.9	-31.7	-34.5	-	-	-	78.1	7.6	-33.8	-36.1	-38.4	-	-	-
	72	72.8	6.9	-2.5	-5.3	-8.2	-11.0	-	-	67.6	7.3	-7.5	-9.8	-12.1	-14.4	-	-
	67	63.1	6.6	23.9	21.0	18.2	15.4	12.6	-	57.2	7.0	18.8	16.5	14.2	11.8	9.5	-
	62	54.9	6.4	50.5	47.7	44.9	42.1	39.2	36.4	48.7	6.8	45.8	43.4	41.1	38.8	36.5	34.2
	57	52.1	6.3	52.1	52.1	52.1	49.3	46.5	43.6	47.3	6.7	47.3	47.3	47.3	45.0	42.7	40.4
4500	72	75.3	6.9	-3.1	-6.8	-10.4	-14.1	-	-	70.7	7.3	-9.0	-12.3	-15.5	-18.7	-	-
	67	65.3	6.6	30.6	26.9	23.2	19.6	15.9	-	59.8	7.0	25.9	22.7	19.5	16.2	13.0	-
	62	56.8	6.4	54.6	53.2	51.8	48.1	44.4	40.8	51.0	6.7	49.5	48.4	47.2	44.0	40.8	37.5
	57	53.9	6.3	53.9	53.9	53.9	50.2	46.6	42.9	49.5	6.6	49.5	49.5	49.5	46.3	43.0	39.8
5000	72	77.7	6.9	-3.7	-8.2	-12.7	-17.2	-	-	73.8	7.2	-10.6	-14.7	-18.8	-23.0	-	-
	67	67.4	6.6	37.3	32.8	28.3	23.8	19.3	-	62.5	7.0	33.1	28.9	24.8	20.7	16.5	-
	62	58.6	6.4	58.6	58.6	58.6	54.1	49.6	45.1	53.3	6.7	53.3	53.3	53.3	49.2	45.0	40.9
	57	55.6	6.3	55.6	55.6	55.6	51.1	46.7	42.2	51.7	6.6	51.7	51.7	51.7	47.5	43.4	39.3

1. These capacities are gross ratings. For net capacity, deduct air blower motor, MBh = 3.415 x kW. Refer to the appropriate Blower Performance Table for the kW of the supply air blower motor.
2. These ratings include the condensate fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

KB150 (12.5 ton) reheat capacity

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input [2] (kW)	Sensible capacity (MBh) Return dry bulb (°F)						Total capacity [1] (MBh)	Total input [2] (kW)	Sensible capacity (MBh) Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
		35°F								45°F							
3125	77	112.8	6.7	-4.7	-8.4	-12.2	-	-	-	109.6	7.4	-7.1	-9.7	-12.3	-	-	-
	72	107.3	6.5	15.4	11.6	7.9	4.1	-	-	102.0	7.1	9.3	6.7	4.1	1.4	-	-
	67	101.8	6.2	35.5	31.7	28.0	24.2	20.4	-	94.5	6.8	25.7	23.1	20.5	17.8	15.2	-
	62	96.6	6.1	63.2	59.5	55.7	52.0	48.2	44.5	87.9	6.6	46.7	44.1	41.5	38.8	36.2	33.6
3750	77	111.7	6.7	-4.1	-8.1	-12.0	-	-	-	110.6	7.3	-8.8	-12.0	-15.2	-	-	-
	72	106.3	6.5	17.5	13.6	9.6	5.7	-	-	103.0	7.1	11.4	8.2	5.0	1.8	-	-
	67	100.9	6.2	39.1	35.2	31.3	27.3	23.4	-	95.4	6.8	31.5	28.3	25.1	21.9	18.7	-
	62	95.9	6.0	69.8	65.9	62.0	58.1	54.1	50.2	88.7	6.6	57.3	54.1	50.9	47.7	44.5	41.3
	57	91.1	6.0	82.9	79.0	75.1	71.2	67.2	63.3	83.8	6.5	68.6	65.4	62.2	59.0	55.8	52.6
4375	77	110.6	6.7	-3.6	-7.7	-11.8	-	-	-	111.6	7.3	-10.4	-14.2	-18.0	-	-	-
	72	105.3	6.5	19.6	15.5	11.4	7.3	-	-	104.0	7.1	13.5	9.7	5.9	2.1	-	-
	67	100.1	6.2	42.7	38.6	34.6	30.5	26.4	-	96.3	6.8	37.3	33.6	29.8	26.0	22.2	-
	62	95.2	6.0	76.4	72.3	68.2	64.1	60.0	56.0	89.5	6.6	67.9	64.2	60.4	56.6	52.8	49.0
	57	90.4	6.0	86.3	84.4	82.5	78.4	74.3	70.2	84.5	6.5	77.0	75.4	73.8	70.0	66.2	62.4
5000	77	109.5	6.7	-3.1	-7.3	-11.6	-	-	-	112.7	7.3	-12.1	-16.4	-20.8	-	-	-
	72	104.4	6.5	21.6	17.4	13.1	8.9	-	-	104.9	7.0	15.6	11.2	6.8	2.5	-	-
	67	99.3	6.2	46.4	42.1	37.9	33.6	29.3	-	97.2	6.8	43.2	38.8	34.4	30.1	25.7	-
	62	94.5	6.0	83.0	78.7	74.5	70.2	66.0	61.7	90.4	6.5	78.6	74.2	69.8	65.5	61.1	56.7
	57	89.8	6.0	89.8	89.8	89.8	85.7	81.4	77.2	85.3	6.4	85.3	85.3	85.3	81.0	76.6	72.2
5625	72	108.4	6.5	24.1	19.5	14.9	10.3	-	-	108.4	7.0	17.5	12.7	7.8	2.9	-	-
	67	103.1	6.3	51.8	47.2	42.6	38.0	33.4	-	100.4	6.8	48.9	44.1	39.2	34.3	29.4	-
	62	98.0	6.1	92.3	88.3	83.8	79.2	74.6	70.0	93.4	6.5	87.5	84.3	79.4	74.5	69.6	64.7
	57	93.2	6.0	93.2	93.2	93.2	88.7	84.1	79.5	88.2	6.4	88.2	88.2	88.2	83.3	78.4	73.5
6000	72	112.4	6.6	26.6	21.6	16.7	11.8	-	-	111.9	7.0	19.5	14.1	8.7	3.3	-	-
	67	106.8	6.3	57.2	52.3	47.3	42.4	37.5	-	103.7	6.8	54.7	49.3	43.9	38.5	33.1	-
	62	101.6	6.1	101.6	98.0	93.0	88.1	83.2	78.3	96.4	6.5	96.4	94.4	89.0	83.6	78.1	72.7
	57	96.5	6.0	96.5	96.5	96.5	91.6	86.7	81.8	91.0	6.4	91.0	91.0	91.0	85.6	80.2	74.7
		55°F								65°F							
3125	77	106.3	8.0	-9.5	-11.0	-12.5	-	-	-	101.3	8.7	-12.4	-13.5	-14.6	-	-	-
	72	96.8	7.7	3.2	1.7	0.2	-1.3	-	-	91.5	8.4	0.0	-1.1	-2.2	-3.4	-	-
	67	87.2	7.5	15.9	14.4	13.0	11.5	10.0	-	81.8	8.0	12.3	11.2	10.1	9.0	7.9	-
	62	79.1	7.1	30.2	28.7	27.2	25.7	24.2	22.8	73.4	7.7	25.7	24.6	23.5	22.4	21.3	20.2
3750	77	109.5	7.9	-13.4	-15.9	-18.3	-	-	-	103.8	8.6	-19.0	-21.1	-23.1	-	-	-
	72	99.7	7.7	5.3	2.8	0.3	-2.2	-	-	93.8	8.3	0.3	-1.7	-3.8	-5.8	-	-
	67	89.9	7.4	23.9	21.5	19.0	16.5	14.0	-	83.8	8.0	19.6	17.6	15.6	13.5	11.5	-
	62	81.5	7.1	44.8	42.3	39.9	37.4	34.9	32.4	75.3	7.7	40.3	38.3	36.3	34.3	32.3	30.3
	57	76.4	7.0	54.3	51.8	49.4	46.9	44.4	41.9	71.8	7.6	48.1	46.1	44.1	42.1	40.1	38.1
4375	77	112.7	7.9	-17.2	-20.7	-24.2	-	-	-	106.3	8.6	-25.6	-28.6	-31.5	-	-	-
	72	102.6	7.6	7.4	3.9	0.4	-3.1	-	-	96.1	8.3	0.6	-2.3	-5.3	-8.2	-	-
	67	92.5	7.4	32.0	28.5	25.0	21.5	18.0	-	85.8	8.0	26.8	23.9	21.0	18.1	15.1	-
	62	83.9	7.1	59.5	56.0	52.5	49.0	45.6	42.1	77.1	7.6	55.0	52.1	49.1	46.2	43.3	40.4
	57	78.7	6.9	67.6	66.4	65.0	61.6	58.1	54.6	73.6	7.5	61.7	60.7	59.7	56.7	53.8	50.9
5000	77	115.9	7.8	-21.0	-25.5	-30.0	-	-	-	108.8	8.5	-32.2	-36.1	-39.9	-	-	-
	72	105.5	7.6	9.5	5.0	0.5	-4.0	-	-	98.3	8.2	0.9	-2.9	-6.8	-10.6	-	-
	67	95.1	7.3	40.0	35.5	31.0	26.6	22.1	-	87.9	7.9	34.1	30.3	26.4	22.6	18.7	-
	62	86.2	7.0	74.1	69.7	65.2	60.7	56.2	51.7	78.9	7.6	69.7	65.8	62.0	58.1	54.3	50.4
	57	80.9	6.9	80.9	80.9	80.7	76.2	71.8	67.3	75.3	7.5	75.3	75.3	75.2	71.4	67.5	63.7
5625	72	108.5	7.6	11.0	5.8	0.6	-4.6	-	-	100.4	8.2	1.2	-3.2	-7.7	-12.2	-	-
	67	97.8	7.3	46.1	40.9	35.7	30.5	25.3	-	89.7	7.9	39.3	34.8	30.3	25.8	21.4	-
	62	88.7	7.0	82.6	80.2	75.0	69.9	64.7	59.5	80.6	7.6	76.0	74.0	70.6	66.1	61.6	57.1
	57	83.2	6.9	83.2	83.2	83.1	77.9	72.7	67.5	76.9	7.5	76.9	76.9	76.9	72.4	67.9	63.4
6000	72	111.5	7.5	12.5	6.6	0.7	-5.2	-	-	102.5	8.2	1.6	-3.6	-8.7	-13.9	-	-
	67	100.5	7.3	52.3	46.3	40.4	34.5	28.6	-	91.6	7.9	44.6	39.4	34.3	29.1	24.0	-
	62	91.1	7.0	91.1	90.8	84.9	79.0	73.1	67.2	82.3	7.6	82.3	82.2	79.2	74.1	68.9	63.8
	57	85.4	6.8	85.4	85.4	85.4	79.5	73.6	67.7	78.5	7.5	78.5	78.5	78.5	73.4	68.2	63.1

KB150 (12.5 ton) reheat capacity

Air on evaporator coil		Temperature of air on condenser coil															
CFM	WB (°F)	Total capacity[1] (MBh)	Total input [2] (kW)	Sensible capacity (MBh) Return dry bulb (°F) 90	85	80	75	70	65	Total capacity [1] (MBh)	Total input [2] (kW)	Sensible capacity (MBh) Return dry bulb (°F) 90	85	80	75	70	65
		75°F								85°F							
3125	77	96.2	9.4	-15.3	-16.0	-16.8	-	-	-	91.2	10.1	-18.2	-18.5	-18.9	-	-	-
	72	86.3	9.0	-3.3	-4.0	-4.7	-5.4	-	-	81.0	9.6	-6.5	-6.8	-7.2	-7.5	-	-
	67	76.3	8.6	8.8	8.0	7.3	6.6	5.9	-	70.9	9.2	5.2	4.8	4.5	4.2	3.8	-
	62	67.8	8.3	21.2	20.5	19.7	19.0	18.3	17.6	62.1	8.9	16.7	16.3	16.0	15.7	15.3	15.0
3750	77	98.0	9.3	-24.7	-26.2	-27.8	-	-	-	92.3	10.0	-30.4	-31.4	-32.5	-	-	-
	72	87.9	8.9	-4.7	-6.3	-7.8	-9.4	-	-	82.0	9.6	-9.7	-10.8	-11.9	-13.0	-	-
	67	77.8	8.6	15.2	13.7	12.1	10.6	9.0	-	71.7	9.2	10.9	9.8	8.7	7.6	6.6	-
	62	69.0	8.3	35.8	34.3	32.7	31.2	29.6	28.1	62.8	8.8	31.3	30.3	29.2	28.1	27.0	25.9
	57	67.2	8.2	41.9	40.4	38.8	37.3	35.7	34.2	62.6	8.8	35.8	34.7	33.6	32.5	31.4	30.3
4375	77	99.8	9.3	-34.1	-36.5	-38.8	-	-	-	93.4	9.9	-42.5	-44.4	-46.2	-	-	-
	72	89.5	8.9	-6.2	-8.6	-10.9	-13.3	-	-	83.0	9.5	-13.0	-14.8	-16.6	-18.4	-	-
	67	79.2	8.5	21.7	19.3	17.0	14.6	12.2	-	72.5	9.1	16.6	14.8	12.9	11.1	9.3	-
	62	70.3	8.2	50.5	48.1	45.8	43.4	41.0	38.6	63.5	8.8	46.0	44.2	42.4	40.5	38.7	36.9
	57	68.5	8.1	55.8	55.1	54.3	51.9	49.5	47.1	63.4	8.7	49.9	49.4	48.9	47.1	45.2	43.4
5000	77	101.6	9.2	-43.5	-46.7	-49.9	-	-	-	94.5	9.9	-54.7	-57.3	-59.8	-	-	-
	72	91.1	8.8	-7.6	-10.8	-14.0	-17.2	-	-	83.9	9.5	-16.2	-18.8	-21.3	-23.9	-	-
	67	80.6	8.5	28.2	25.0	21.8	18.6	15.4	-	73.4	9.1	22.3	19.7	17.2	14.6	12.0	-
	62	71.6	8.2	65.2	62.0	58.8	55.6	52.4	49.1	64.3	8.7	60.7	58.1	55.5	53.0	50.4	47.9
	57	69.7	8.1	69.7	69.7	69.7	66.5	63.3	60.1	64.1	8.7	64.1	64.1	64.1	61.6	59.1	56.5
5625	72	92.4	8.8	-8.5	-12.3	-16.1	-19.9	-	-	84.3	9.5	-18.3	-21.3	-24.4	-27.5	-	-
	67	81.7	8.5	32.5	28.7	24.9	21.2	17.4	-	73.7	9.1	25.7	22.6	19.5	16.5	13.4	-
	62	72.6	8.2	69.3	67.7	66.1	62.4	58.6	54.8	64.5	8.7	62.7	61.5	61.7	58.6	55.5	52.4
	57	70.7	8.1	70.7	70.7	70.7	66.9	63.1	59.3	64.4	8.7	64.4	64.4	64.4	61.4	58.3	55.2
6000	72	93.6	8.8	-9.4	-13.7	-18.1	-22.5	-	-	84.7	9.5	-20.3	-23.9	-27.5	-31.1	-	-
	67	82.8	8.5	36.8	32.5	28.1	23.7	19.3	-	74.0	9.1	29.1	25.5	21.9	18.3	14.7	-
	62	73.5	8.2	73.5	73.5	73.5	69.1	64.8	60.4	64.7	8.8	64.7	64.7	64.7	64.2	60.6	57.0
	57	71.6	8.1	71.6	71.6	71.6	67.2	62.8	58.5	64.7	8.7	64.7	64.7	64.7	61.1	57.5	53.9

1. These capacities are gross ratings. For net capacity, deduct air blower motor, MBh = 3.415 x kW. Refer to the appropriate Blower Performance Table for the kW of the supply air blower motor.
2. These ratings include the condensate fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Drive selection

1. Determine side or bottom supply duct application.
2. Determine desired airflow.
3. Calculate or measure the amount of external static pressure.
4. With the operating point determined from steps 1, 2, and 3, locate this point on the appropriate supply air blower performance table. Linear interpolation may be necessary.
5. Note the RPM and BHP from step 4 and locate the appropriate motor and/or drive.
6. Review the BHP compared to the motor options available. Select the appropriate motor and/or drive.
7. Review the RPM range for the motor options available. Select the appropriate drive if multiple drives are available for the chosen motor.
8. Determine the turns open to obtain the desired operation point.

Example

1. 2400 CFM
2. 1.6 IWC
3. Using the supply air blower performance table below, the following data point was located: 1230 RPM and 1.62 BHP.
4. Using the RPM selection table below, Size X and Model Y is found.
5. 1.62 BHP exceeds the maximum continuous BHP rating of the 1.5 HP motor. The 2 HP motor is required.
6. 1230 RPM is within the range of the 2 HP drives.
7. Using the 2 HP motor and drive, .5 turns open achieves 1230 RPM.

Airflow performance

Example supply air blower performance

Air flow (CFM)	Available external static pressure - IWG																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	1.5 HP & Field supplied drive								Standard 1.5 HP and drive						Alternate 2 HP & Drive					
2200	804	0.50	866	0.71	925	0.90	982	1.06	1038	1.21	1092	1.35	1147	1.48	1203	1.61	1259	1.73	1317	1.87
2400	835	0.66	897	0.87	956	1.06	1013	1.22	1069	1.37	1124	1.51	1178	1.64	1234	1.77	1290	1.90	1348	2.03
2600	869	0.84	931	1.05	990	1.24	1047	1.40	1103	1.55	1158	1.69	1212	1.82	1268	1.95	1324	2.07	1382	2.21
2800	906	1.03	968	1.25	1027	1.43	1084	1.60	1139	1.75	1194	1.89	1249	2.02	1304	2.14	1361	2.27	-	-

Example RPM selection

Size (ton)	Model	Airflow option	HP	Max. BHP	Motor sheave	Blower sheave	6 turns open	5 turns open	4 turns open	3 turns open	2 turns open	1 turn open	Fully closed
X	Y	Std.	1.5	1.73	1VM50	AK74	N/A	897	945	991	1035	1079	1126
		H. Static	2	2.30	1VM50	AK64	N/A	1039	1094	1150	1207	1256	1308

Example additional static resistance

Size (ton)	Model	CFM	Cooling only	Economizer	MERV 13 filter	Electric heat kW					
						3	6	9	15	20	24
X	Y	900	0.05	-0.05	0.01	0.00	0.00	0.00	0.01	0.01	0.01
		1000	0.05	-0.03	0.02	0.00	0.00	0.00	0.02	0.02	0.02
		1100	0.04	-0.02	0.03	0.01	0.01	0.01	0.02	0.02	0.02
		1200	0.04	0.00	0.04	0.01	0.01	0.01	0.02	0.02	0.02
		1300	0.03	0.01	0.05	0.01	0.01	0.01	0.03	0.03	0.03

Altitude and temperature correction for CFM, static pressure, and power

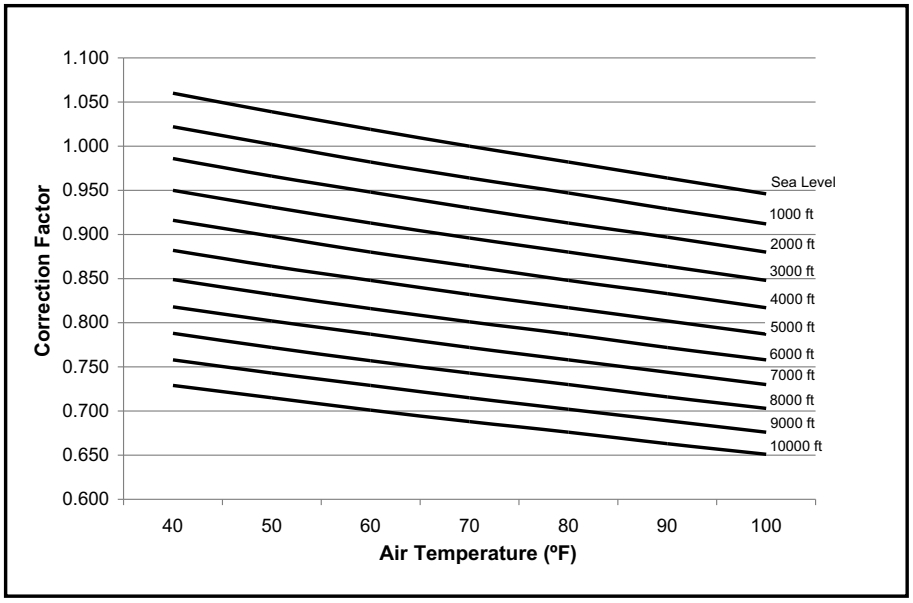
Use the information below to assist in the application of the product at altitudes at or exceeding 1000 feet above sea level.

The air flow rates listed in the standard blower performance tables are based on standard air at sea level. As the altitude or temperature increases, the density of air decreases. In order to use the indoor blower tables for high altitude applications, certain corrections are necessary.

A centrifugal fan is a constant volume device. This means that, if the RPM remains constant, the CFM delivered is the same regardless of the density of the air. However, since the air at high altitude is less dense, less static pressure is generated and less power is required than a similar application at sea level. Air density correction factors are shown in the *Altitude and temperature correction factors* table on page 80 and the following figure.

Altitude and temperature correction factors

Air temp.	Altitude (ft.)										
	0	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
40	1.060	1.022	0.986	0.950	0.916	0.882	0.849	0.818	0.788	0.758	0.729
50	1.039	1.002	0.966	0.931	0.898	0.864	0.832	0.802	0.772	0.743	0.715
60	1.019	0.982	0.948	0.913	0.880	0.848	0.816	0.787	0.757	0.729	0.701
70	1.000	0.964	0.930	0.896	0.864	0.832	0.801	0.772	0.743	0.715	0.688
80	0.982	0.947	0.913	0.880	0.848	0.817	0.787	0.758	0.730	0.702	0.676
90	0.964	0.929	0.897	0.864	0.833	0.802	0.772	0.744	0.716	0.689	0.663
100	0.946	0.912	0.880	0.848	0.817	0.787	0.758	0.730	0.703	0.676	0.651



Use the examples below to assist in determining the airflow performance of the product at altitude.

Example 1: What are the corrected CFM, static pressure, and BHP at an elevation of 5,000 ft. if the blower performance data is 6,000 CFM, 1.5 IWC and 4.0 BHP?

Solution: At an elevation of 5,000 ft. the indoor blower will still deliver 6,000 CFM if the RPM is unchanged. However, you must use the airflow performance tables to determine the static pressure and BHP. We assume an air temperature of 70°F because no temperature data is given. The *Altitude and temperature correction factors* table on page 80 shows the correction factor to be 0.832.

Corrected static pressure = 1.5 x 0.832 = 1.248 IWC

Corrected BHP = 4.0 x 0.832 = 3.328

Example 2: A system, located at 5,000 feet of elevation, is to deliver 6,000 CFM at a static pressure of 1.5 in. Use the unit blower tables to select the blower speed and the BHP requirement.

Solution: As in the example above, no temperature information is given so 70°F is assumed. The 1.5 in. static pressure given is at an elevation of 5,000 ft. The first step is to convert this static pressure to equivalent sea level conditions.

Sea level static pressure = 1.5 / .832 = 1.80 in.

Enter the blower table at 6000 CFM and static pressure of 1.8 in. The RPM listed is the same RPM needed at 5,000 ft. Suppose that the corresponding BHP listed in the table is 3.2. This value must be corrected for elevation.

BHP at 5,000 ft. = 3.2 x .832 = 2.66

BHP at 5,000 ft. = 0.7 x .832 = 0.58

KT037-150 Indoor blower specifications

Size (ton)	Model	Airflow option	Motor					Motor sheave			Blower sheave			Belt
			HP	RPM	Eff.	SF	Frame	Datum dia. (in.)	Bore (in.)	Model	Datum dia. (in.)	Bore (in.)	Model	
037 (3)	KT	Std.	1-1/2	1725	0.86	1.15	56	2.4 - 3.4	7/8	1VL40	7.5	1	AK79	A47
		H. static	1-1/2	1725	0.86	1.15	56	2.4 - 3.4	7/8	1VL40	5.7	1	AK61	A45
049 (4)	KT	Std.	1-1/2	1725	0.86	1.15	56	1.9 - 2.9	7/8	1VL34	6	1	AK64	A47
		H. static	1-1/2	1725	0.86	1.15	56	2.8 - 3.8	7/8	1VL44	6.5	1	AK69	A47
061 (5)	KT	Std.	1-1/2	1725	0.86	1.15	56	2.4 - 3.4	7/8	1VL40	5.7	1	AK61	A45
		H. static	2	1725	0.86	1.15	56	3.4 - 4.4	7/8	1VM50	6	1	AK64	A47
078 (6.5)	KT	Std.	1-1/2	1725	0.8	1.15	56	2.6 - 3.6	7/8	1VL40	7.0	1	AK74	A53
		H. static	2	1725	0.8	1.15	56	3.6 - 4.6	7/8	1VM50	6.0	1	AK74	A54
090 (7.5)	KT	Std.	1-1/2	1725	0.8	1.15	56	2.6 - 3.6	7/8	1VL40	7.0	1	AK69	A52
		H. static	3	1725	0.8	1.15	56	3.6 - 4.6	7/8	1VM50	5.7	1	AK69	A54
102 (8.5)	KT	Std.	2	1725	0.8	1.15	56	3.4 - 4.4	7/8	1VM50	9.0	1	AK89	A56
		H. static	3	1725	0.8	1.15	56	3.4 - 4.4	7/8	1VM50	7.0	1	AK74	A54
120 (10)	KT	Std.	2	1725	0.8	1.15	56	3.4 - 4.4	7/8	1VM50	8.0	1	AK84	A56
		H. static	3	1725	0.8	1.15	56	3.4 - 4.4	7/8	1VM50	7.0	1	AK74	A54
150 (12.5)	KT	Std.	3	1725	0.8	1.15	56	3.4 - 4.4	7/8	1VM50	7.0	1	AK74	A54
		H. static	5	1725	0.87	1.15	184T	4.3 - 5.3	1-1/8	1VP56	6.7	1	BK77	BX55

KB078-150 Indoor blower specifications

Size (ton)	Model	Motor					Motor sheave			Blower sheave			Belt
		HP	RPM	Eff.	SF	Frame	Datum dia. (in.)	Bore (in.)	Model	Datum dia. (in.)	Bore (in.)	Model	
078 (6.5)	KB	1-1/2	1725	0.8	1.15	56	2.6 - 3.6	7/8	1VL40	7.0	1	AK74	A53
		2	1725	0.8	1.15	56	3.6 - 4.6	7/8	1VM50	7.0	1	AK74	A54
090 (7.5)	KB	1-1/2	1725	0.8	1.15	56	2.6 - 3.6	7/8	1VL40	6.5	1	AK69	A53
		3	1725	0.8	1.15	56	3.6 - 4.6	7/8	1VM50	6.5	1	AK69	A54
102 (8.5)	KB	2	1725	0.8	1.15	56	3.4 - 4.4	7/8	1VM50	8.5	1	AK89	A56
		3	1725	0.8	1.15	56	3.4 - 4.4	7/8	1VM50	7.0	1	AK74	A54
120 (10)	KB	2	1725	0.8	1.15	56	3.4 - 4.4	7/8	1VM50	8.0	1	AK84	A56
		3	1725	0.8	1.15	56	3.4 - 4.4	7/8	1VM50	7.0	1	AK74	A54
150 (12.5)	KB	3	1725	0.8	1.15	56	3.4 - 4.4	7/8	1VM50	7.0	1	AK74	A54
		5	1725	0.87	1.15	184T	4.3 - 5.3	1-1/8	1VP56	6.7	1	BK77	BX55

Power exhaust specifications

Model	Voltage	Motor			Unit (per circuit)			Fuse size	CFM @ 0.1 ESP
		HP	RPM[1]	QTY	LRA	FLA	MCA		
2PE04704706	208/230-1-60	3/4	1075	1	24.9	5	6.3	10	4800
2PE04704746	460-1-60	3/4	1075	1	N/A	2.2	2.8	5	4800
2PE04704758	575-1-60	3/4	1050	1	N/A	1.5	1.9	4	4800

1. Motors are multi-tapped and factory wired for high speed.

RPM selection

Size (ton)	Model	Airflow option	HP	Max BHP	Motor sheave	Blower sheave	6 turns open	5 turns open	4 turns open	3 turns open	2 turns open	1 turns open	Fully closed
037 (3)	KT	Field supplied	1.5	1.5	1VL34	AK79	N/A	465	512	557	606	651	695
		Standard	1.5	1.5	1VL40	AK79	N/A	612	661	707	752	799	844
		High static	1.5	1.5	1VL40	AK61	N/A	782	846	906	968	1022	1085
		Field supplied	1.5	1.5	1VL40	AK54	N/A	896	960	1030	1090	166	1238
049 (4)	KT	Standard	1.5	1.5	1VL34	AK64	N/A	576	631	688	747	800	859
		High static	1.5	1.5	1VL44	AK69	N/A	792	844	892	944	996	1045
		Field Supplied	1.5	1.5	1VL44	AK59	N/A	915	989	1050	1113	1173	1238
061 (5)	KT	Field Supplied	1.5	1.5	1VL40	AK79	N/A	609	656	703	746	792	839
		Standard	1.5	1.5	1VL40	AK61	N/A	782	846	906	968	1022	1085
		Field Supplied	2	2	1VL40	AK54	N/A	896	960	1030	1090	1166	1238
		High static	2	2	1VM50	AK64	N/A	1022	1079	1135	1190	1246	1297
078 (6.5)	KT	Standard	1.5	1.725	1VL40	AK74	N/A	663	713	759	803	840	882
		High static	2	2.3	1VM50	AK74	N/A	884	927	977	1025	1074	1121

RPM selection (continued)

Size (ton)	Model	Airflow option	HP	Max BHP	Motor sheave	Blower sheave	6 turns open	5 turns open	4 turns open	3 turns open	2 turns open	1 turns open	Fully closed
090 (7.5)	KT	Standard	1.5	1.725	1VL40	AK69	N/A	714	761	799	852	905	955
		High static	3	3.45	1VM50	AK69	N/A	952	1002	1043	1104	1140	1202
102 (8.5)	KT	Standard	2	2.3	1VM50	AK89	N/A	737	775	812	851	889	926
		High static	3	3.45	1VM50	AK74	N/A	903	943	985	1028	1071	1113
120 (10)	KT	Standard	2	2.3	1VM50	AK84	N/A	781	819	859	897	932	969
		High static	3	3.45	1VM50	AK74	N/A	903	943	985	1028	1076	1113
150 (12.5)	KT	Standard	3	3.45	1VM50	AK74	N/A	908	955	1003	1049	1094	1142
		High static	5	5.75	1VP56	BK77	1104	1102	1157	1200	1246	1282	1328
078 (6.5)	KB	Standard	1.5	1.725	1VL40	AK69	N/A	714	761	799	852	905	955
		High static	3	3.45	1VM50	AK69	N/A	952	1002	1043	1104	1140	1202
090 (7.5)	KB	Std.	1.5	1.73	1VL40	AK69	N/A	690	743	796	849	902	955
		H. Static	3	3.45	1VM50	AK69	N/A	955	1008	1062	1115	1168	1221
102 (8.5)	KB	Std.	2	2.30	1VM50	AK89	N/A	731	771	812	852	893	934
		H. Static	3	3.45	1VM50	AK74	N/A	887	936	986	1035	1084	1134
120 (10)	KB	Std.	2	2.30	1VM50	AK84	N/A	776	819	863	906	949	992
		H. Static	3	3.45	1VM50	AK74	N/A	887	936	986	1035	1084	1134
150 (12.5)	KB	Std.	3	3.45	1VM50	AK74	N/A	887	936	986	1035	1084	1134
		H. Static	5	5.75	1VP56	BK77	1052	1095	1136	1175	1216	1272	N/A

Additional static resistance - KT037 - 061

Size (ton)	Model	CFM	Cooling only[1]	Reheat static resistance	Economizer[2 3]	MERV 13 filter[2]	Electric heat kW[2]					
							3	6	9	15	20	24
037 (3)	KT	900	0.05	0.03	-0.05	0.00	0.00	0.00	0.01	0.01	0.01	0.00
		1000	0.05	0.03	-0.03	0.00	0.00	0.00	0.02	0.02	0.02	0.00
		1100	0.04	0.03	-0.02	0.01	0.01	0.01	0.02	0.02	0.02	0.01
		1200	0.04	0.03	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.01
		1300	0.03	0.04	0.01	0.01	0.01	0.01	0.03	0.03	0.03	0.01
		1400	0.03	0.04	0.03	0.02	0.02	0.02	0.03	0.03	0.03	0.02
		1500	0.03	0.04	0.04	0.02	0.02	0.02	0.04	0.04	0.04	0.02
049 (4) 061 (5)	KT	1200	-0.01	0.03	0.10	0.01	0.01	0.01	0.02	0.02	0.02	0.01
		1300	-0.01	0.04	0.11	0.01	0.01	0.01	0.03	0.03	0.03	0.01
		1400	-0.01	0.04	0.12	0.02	0.02	0.02	0.03	0.03	0.03	0.02
		1500	-0.01	0.04	0.13	0.02	0.02	0.02	0.04	0.04	0.04	0.02
		1600	-0.01	0.05	0.14	0.02	0.02	0.02	0.04	0.04	0.04	0.02
		1700	-0.01	0.05	0.15	0.03	0.03	0.03	0.05	0.05	0.05	0.03
		1800	-0.02	0.05	0.16	0.03	0.03	0.03	0.05	0.05	0.05	0.03
		1900	-0.02	0.05	0.17	0.04	0.04	0.04	0.06	0.06	0.06	0.04
		2000	-0.02	0.06	0.18	0.04	0.04	0.04	0.07	0.07	0.07	0.04
		2100	-0.03	0.06	0.19	0.05	0.05	0.05	0.07	0.07	0.07	0.05
		2200	-0.03	0.07	0.20	0.06	0.06	0.06	0.08	0.08	0.08	0.06
		2300	-0.04	0.07	0.21	0.06	0.06	0.06	0.09	0.09	0.09	0.06
		2400	-0.04	0.07	0.22	0.07	0.07	0.07	0.10	0.10	0.10	0.07
		2500	-0.05	0.08	0.23	0.08	0.08	0.08	0.11	0.11	0.11	0.08

1. Add these values to the available static resistance in the respective blower performance tables.
2. Deduct these values from the available external static pressure shown in the respective blower performance tables.
3. The pressure drop through the economizer is greater for 100% outdoor air than for 100% return air. If the resistance of the return air duct is less than 0.25 IWG, the unit delivers less CFM during full economizer operation.

Additional static resistance - KT078 - 150

Size (ton)	Model	CFM	Cooling only[1]	Reheat coil [2 3]	Economizer[2 3]	MERV 13 filter[2]	Electric heat kW[2]				
							09	18	24	36	54
078 (6.5) 090 (7.5) 102 (8.5) 120 (10) 150 (12.5)	KT	1900	0.03	0.07	0.04	0.12	0.05	0.06	0.07	0.08	0.10
		2100	0.04	0.08	0.10	0.13	0.06	0.07	0.08	0.09	0.11
		2300	0.06	0.09	0.17	0.14	0.07	0.08	0.09	0.10	0.13
		2500	0.08	0.10	0.23	0.16	0.08	0.09	0.10	0.11	0.14
		2700	0.10	0.11	0.29	0.17	0.09	0.10	0.12	0.13	0.16
		2900	0.12	0.12	0.34	0.19	0.10	0.11	0.13	0.14	0.18
		3100	0.15	0.13	0.40	0.20	0.12	0.13	0.15	0.16	0.20
		3300	0.17	0.14	0.45	0.22	0.13	0.14	0.17	0.18	0.22
		3500	0.20	0.15	0.51	0.26	0.15	0.16	0.19	0.20	0.24
		3700	0.22	0.17	0.56	0.27	0.17	0.18	0.21	0.22	0.26
		3900	0.25	0.18	0.61	0.29	0.19	0.20	0.23	0.24	0.28
		4100	0.28	0.19	0.66	0.32	0.21	0.22	0.25	0.26	0.31
		4300	0.31	0.20	0.70	0.35	0.23	0.24	0.28	0.29	0.34
		4500	0.34	0.21	0.75	0.38	0.25	0.26	0.30	0.31	0.37
		4700	0.38	0.22	0.79	0.41	0.28	0.29	0.33	0.34	0.40
		4900	0.41	0.24	0.83	0.44	0.30	0.31	0.35	0.37	0.43
		5100	0.45	0.25	0.87	0.47	0.33	0.34	0.38	0.40	0.46
		5300	0.48	0.26	0.91	0.51	0.35	0.37	0.41	0.43	0.49
		5500	0.52	0.27	0.95	0.55	0.38	0.40	0.44	0.46	0.53
		5700	0.56	0.28	0.98	0.58	0.41	0.43	0.47	0.49	0.56
		5900	0.60	0.30	1.02	0.62	0.44	0.46	0.50	0.53	0.59
		6100	0.64	0.31	1.05	0.67	0.47	0.49	0.53	0.56	0.62
		6300	0.69	0.32	1.08	0.71	0.50	0.53	0.56	0.59	0.65

1. Add these values to the available static resistance in the respective blower performance tables.
2. Deduct these values from the available external static pressure shown in the respective blower performance tables.
3. The pressure drop through the economizer is greater for 100% outdoor air than for 100% return air. If the resistance of the return air duct is less than 0.25 IWG, the unit will deliver less CFM during full economizer operation.

Additional static resistance - KB078 - 150

Size (ton)	Model	CFM	Cooling Only[1]	Reheat coil	Economizer[2,3]	MERV 13 filter[2]	Electric Heat kW[2]				
							9	18	24	36	54
078 (6.5) 090 (7.5) 102 (8.5) 120 (10) 150 (12.5)	KB	1900	0.06	0.07	0.02	0.08	0.05	0.06	0.07	0.08	0.10
		2100	0.07	0.08	0.02	0.09	0.06	0.07	0.08	0.09	0.11
		2300	0.08	0.09	0.04	0.10	0.07	0.08	0.09	0.10	0.13
		2500	0.09	0.10	0.11	0.11	0.08	0.09	0.10	0.11	0.14
		2700	0.11	0.11	0.18	0.12	0.09	0.10	0.12	0.13	0.16
		2900	0.12	0.12	0.25	0.13	0.10	0.11	0.13	0.14	0.18
		3100	0.14	0.13	0.31	0.15	0.12	0.13	0.15	0.16	0.20
		3300	0.16	0.14	0.37	0.16	0.13	0.14	0.17	0.18	0.22
		3500	0.18	0.15	0.43	0.17	0.15	0.16	0.19	0.20	0.24
		3700	0.20	0.17	0.49	0.18	0.17	0.18	0.21	0.22	0.26
		3900	0.23	0.18	0.54	0.19	0.19	0.20	0.23	0.24	0.28
		4100	0.25	0.19	0.58	0.21	0.21	0.22	0.25	0.26	0.31
		4300	0.28	0.20	0.65	0.22	0.23	0.24	0.28	0.29	0.34
		4500	0.30	0.21	0.69	0.24	0.25	0.26	0.30	0.31	0.37
		4700	0.33	0.22	0.74	0.25	0.28	0.29	0.33	0.34	0.40
		4900	0.36	0.24	0.78	0.27	0.30	0.31	0.35	0.37	0.43
		5100	0.39	0.25	0.82	0.28	0.33	0.34	0.38	0.40	0.46
		5300	0.42	0.26	0.86	0.30	0.35	0.37	0.41	0.43	0.49
		5500	0.45	0.27	0.89	0.31	0.38	0.40	0.44	0.46	0.53
		5700	0.48	0.28	0.93	0.33	0.41	0.43	0.47	0.49	0.56
		5900	0.52	0.30	0.96	0.35	0.44	0.46	0.50	0.53	0.59
		6100	0.56	0.31	0.98	0.36	0.47	0.49	0.53	0.56	0.62
		6300	0.60	0.32	1.01	0.38	0.50	0.53	0.56	0.59	0.65

1. Add these values to the available static resistance in the respective Blower Performance Tables.
2. Deduct these values from the available external static pressure shown in the respective Blower Performance Tables.\
3. The pressure drop through the economizer is greater for 100% outdoor air than for 100% return air. If the resistance of the return air duct is less than 0.25 IWG, the unit will deliver less CFM during full economizer operation.

Gas heat minimum supply air

Size (ton)	Model	Heat size	Supply air (CFM)	
			Heating	
			Minimum	Maximum
037 (3)	KT	N06	900	1500
		N08	920	1500
049 (4)	KT	N06	900	2000
		N08	920	2000
		N12	1290	2000
061 (5)	KT	N08	920	2500
		N12	1290	2500
		N16	1600	2500
078 (6.5)	KT/KB	N12	1800	3250
		N18	2080	3250
090 (7.5)	KT/KB	N12	1800	3750
		N18	2080	3750
102 (8.5)	KT/KB	N12	1800	4250
		N18	2080	4250
120 (10)	KT/KB	N18	2080	5000
		N24	3000	5000
150 (12.5)	KT/KB	N18	2080	6250
		N24	3000	6250

Electric heat minimum supply air

3 through 5 ton

Size (ton)	Model	Voltage	Minimum supply air (CFM)					
			Heater kW					
			3	6	9	15	20	24
037 (3)	KT	208/230-3-60	960	960	1020	1020	-	-
		460-3-60	980	960	960	960	-	-
		600-3-60	-	-	960	960	-	-
049 (4)	KT	208/230-3-60	-	1280	1420	1420	1420	-
		460-3-60	-	1400	1400	1400	1400	-
		600-3-60	-	-	1400	1400	1400	-
061 (5)	KT	208/230-3-60	-	1600	1600	1600	1600	1600
		460-3-60	-	1600	1600	1600	1600	1600
		600-3-60	-	-	1600	1600	1600	1600

6.5 through 12.5 ton

Size (ton)	Model	Voltage	Minimum supply air (CFM)				
			Heater kW				
			9	18	24	36	54
078 (6.5)	KT	208/230-3-60	1950	1950	1950	1950	-
		460-3-60	1950	1950	1950	1950	-
090 (7.5)	KT	208/230-3-60	1950	1950	1950	1950	-
		460-3-60	2250	2250	2250	2250	-
102 (8.5)	KT	208/230-3-60	2550	2550	2550	2550	-
		460-3-60	2550	2550	2550	2550	-
120 (10)	KT	208/230-3-60	-	3000	3000	3000	3500
		460-3-60	-	3000	3000	3000	3000
150 (12.5)	KT	208/230-3-60	-	3750	3750	3750	4000
		460-3-60	-	3750	3750	3750	3750
078 (6.5)	KB	208/230-3-60	1950	1950	1950	1950	-
		460-3-60	1950	1950	1950	1950	-
		600-3-60	1950	1950	1950	1950	-
090 (7.5)	KB	208/230-3-60	2250	2250	2250	2250	-
		460-3-60	2250	2250	2250	2250	-
		600-3-60	2250	2250	2250	2250	-
102 (8.5)	KB	208/230-3-60	2550	2550	2550	2550	-
		460-3-60	2550	2550	2550	2550	-
		600-3-60	2550	2550	2550	2550	-
120 (10)	KB	208/230-3-60	-	3000	3000	3000	3500
		460-3-60	-	3000	3000	3000	3000
		600-3-60	-	3000	3000	3000	3500
150 (12.5)	KB	208/230-3-60	-	3750	3750	3750	4000
		460-3-60	-	3750	3750	3750	3750
		600-3-60	-	3750	3750	3750	3750

Airflow performance

KT037-150 side duct application

KT037 (3.0 ton) side duct

Air flow (CFM)	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	FS[4]				Standard 1.5 HP and drive						High static 1.5 HP and drive						FS[4]			
900	468	0.24	563	0.27	652	0.36	736	0.46	814	0.56	887	0.67	955	0.76	1017	0.87	1074	1.01	1126	1.09
1000	479	0.25	578	0.29	670	0.38	756	0.47	837	0.57	911	0.68	979	0.78	1041	0.89	1098	1.03	1148	1.11
1100	494	0.27	594	0.31	688	0.40	775	0.49	856	0.59	931	0.69	999	0.79	1061	0.90	1117	1.04	1167	1.13
1200	509	0.28	608	0.37	701	0.46	788	0.55	870	0.65	945	0.75	1015	0.85	1078	0.95	1136	1.06	1188	1.17
1300	524	0.30	623	0.39	716	0.48	804	0.58	886	0.68	961	0.78	1032	0.88	1096	0.99	1154	1.09	1207	1.20
1400	540	0.32	639	0.41	732	0.51	819	0.61	901	0.71	977	0.82	1048	0.92	1113	1.03	1172	1.14	1226	1.26
1500	562	0.34	660	0.44	753	0.54	840	0.65	921	0.75	998	0.85	1069	0.96	1135	1.07	1195	1.18	-	-

1. Blower performance includes gas heat exchangers and 2-in. filters. See the static resistance table for additional applications.
2. See the RPM selection table to determine the required motor sheave setting and to determine the maximum continuous BHP.
3. kW = BHP x 0.932.
4. Field supplied drive

KT049 (4.0 ton) side duct

Air flow (CFM)	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
			Standard 1.5 HP and drive						High static 1.5 HP and drive								FS[4]			
1200	-	-	618	0.34	695	0.40	783	0.47	864	0.54	940	0.60	983	0.69	1073	0.76	1119	0.88	1178	0.94
1300	-	-	638	0.38	712	0.43	799	0.50	876	0.59	954	0.65	995	0.74	1080	0.81	1130	0.94	1188	1.00
1400	-	-	653	0.40	729	0.46	815	0.54	888	0.63	965	0.72	1007	0.78	1088	0.87	1140	1.00	1198	1.06
1500	574	0.36	666	0.42	747	0.50	831	0.59	900	0.68	975	0.78	1019	0.83	1096	0.92	1151	1.06	1207	1.11
1600	596	0.39	689	0.44	766	0.54	847	0.63	912	0.73	983	0.84	1031	0.88	1103	0.97	1162	1.13	1217	1.18
1700	619	0.43	711	0.49	786	0.58	863	0.68	925	0.79	991	0.89	1043	0.94	1112	1.04	1172	1.19	1227	1.25
1800	643	0.47	734	0.54	808	0.64	878	0.73	936	0.84	998	0.95	1055	1.00	1121	1.10	1183	1.27	1237	1.33
1900	669	0.52	757	0.61	831	0.71	894	0.79	948	0.91	1004	1.00	1067	1.06	1130	1.16	1194	1.35	-	-
2000	697	0.58	779	0.67	856	0.78	910	0.85	960	0.98	1010	1.05	1079	1.13	1140	1.23	-	-	-	-

1. Blower performance includes gas heat exchangers and 2-in. filters. See the static resistance table for additional applications.
2. See the RPM selection table to determine the required motor sheave setting and to determine the maximum continuous BHP.
3. kW = BHP x 0.932.
4. Field supplied drive.

KT061 (5.0 ton) side duct

Air flow (CFM)	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
			FS[4]				Standard 1.5 HP and drive								High static 2.0 HP and drive					
1500	-	-	667	0.40	747	0.50	837	0.58	904	0.59	972	0.73	1039	0.88	1096	0.92	1151	1.06	1207	1.11
1600	-	-	689	0.44	766	0.54	844	0.60	917	0.65	982	0.79	1047	0.93	1103	0.97	1162	1.13	1217	1.18
1700	615	0.43	711	0.48	786	0.58	852	0.64	931	0.73	994	0.86	1057	1.00	1112	1.04	1172	1.19	1227	1.25
1800	641	0.48	734	0.53	808	0.64	863	0.68	945	0.80	1006	0.93	1067	1.06	1121	1.10	1183	1.27	1237	1.33
1900	666	0.52	757	0.59	831	0.71	878	0.76	959	0.87	1018	0.99	1077	1.12	1130	1.16	1194	1.35	1246	1.40
2000	692	0.58	781	0.65	842	0.73	914	0.82	973	0.94	1031	1.06	1089	1.19	1140	1.23	1204	1.43	1256	1.49
2100	718	0.64	806	0.73	863	0.75	934	0.88	987	1.01	1044	1.14	1101	1.26	1151	1.31	1215	1.53	1266	1.58
2200	744	0.71	832	0.81	886	0.83	954	0.95	1002	1.09	1059	1.22	1116	1.36	1164	1.40	1226	1.63	1276	1.67
2300	770	0.79	859	0.91	907	0.90	972	1.02	1017	1.16	1074	1.31	1131	1.45	1178	1.50	1236	1.72	1286	1.78
2400	796	0.87	887	1.03	927	0.98	990	1.09	1032	1.24	1091	1.40	1150	1.56	1195	1.62	1247	1.83	1295	1.87
2500	822	0.96	916	1.17	946	1.06	1006	1.17	1047	1.32	1112	1.52	1177	1.73	1219	1.79	1258	1.95	-	-

1. Blower performance includes gas heat exchangers and 2-in. filters. See the static resistance table for additional applications.
2. See the RPM selection table to determine the required motor sheave setting and to determine the maximum continuous BHP.
3. kW = BHP x 0.932.
4. Field supplied drive.

KT078 (6.5 ton) side duct

Air flow (CFM)	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	Field supplied drive				Standard 1.5 HP and drive								High static 2 HP and drive							
1800	557	0.27	626	0.53	686	0.75	742	0.94	801	1.10	867	1.25	946	1.40	1045	1.56	1167	1.74	1320	1.94
2000	566	0.36	635	0.62	695	0.84	752	1.02	810	1.19	876	1.34	956	1.49	1054	1.65	1177	1.82	1330	2.03
2200	578	0.46	647	0.72	707	0.93	763	1.12	822	1.28	888	1.44	968	1.59	1066	1.74	1189	1.92	1342	2.12
2400	592	0.57	661	0.83	721	1.04	777	1.23	836	1.39	902	1.55	981	1.70	1080	1.85	1203	2.03	1356	2.23
2600	608	0.69	677	0.95	737	1.17	793	1.35	851	1.52	918	1.67	997	1.82	1096	1.98	1218	2.15	1371	2.36
2800	625	0.82	694	1.08	754	1.30	811	1.49	869	1.65	935	1.80	1015	1.95	1113	2.11	1236	2.28	1389	2.49
3000	645	0.96	714	1.23	773	1.44	830	1.63	888	1.79	955	1.94	1034	2.09	1132	2.25	1255	2.43	-	-
3200	666	1.12	735	1.38	794	1.60	851	1.78	909	1.95	976	2.10	1055	2.25	1153	2.40	-	-	-	-
3400	688	1.28	757	1.54	817	1.76	873	1.94	932	2.11	998	2.26	1078	2.41	1176	2.57	-	-	-	-
															2 HP and field supplied drive					

1. Blower performance includes gas heat exchangers and 2-in. filters. See the static resistance table for additional applications.
2. See the RPM selection table to determine the required motor sheave setting and to determine the maximum continuous BHP.
3. kW = BHP x 0.932.

KT090 (7.5 ton) side duct

Air flow (CFM)	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	Field supplied drive				Standard 1.5 HP and drive										High static 3 HP and drive					
2000	620	0.28	680	0.51	737	0.71	791	0.90	844	1.07	897	1.23	952	1.39	1010	1.56	1073	1.74	1142	1.94
2200	626	0.38	686	0.60	743	0.81	797	0.99	850	1.16	903	1.32	958	1.49	1016	1.65	1079	1.83	1148	2.03
2400	632	0.49	693	0.71	750	0.92	804	1.10	856	1.27	910	1.43	964	1.59	1023	1.76	1085	1.94	1154	2.14
2600	640	0.61	701	0.84	758	1.04	812	1.22	864	1.39	917	1.56	972	1.72	1030	1.89	1093	2.07	1162	2.27
2800	650	0.75	711	0.98	767	1.18	821	1.36	874	1.53	927	1.70	982	1.86	1040	2.03	1103	2.21	1172	2.40
3000	662	0.90	723	1.13	779	1.33	833	1.51	886	1.68	939	1.85	994	2.01	1052	2.18	1115	2.36	1184	2.56
3200	677	1.07	737	1.29	794	1.50	848	1.68	901	1.85	954	2.01	1009	2.18	1067	2.34	1130	2.52	1199	2.72
3400	694	1.24	754	1.47	811	1.67	865	1.86	918	2.03	971	2.19	1026	2.35	1084	2.52	1147	2.70	1216	2.90
3600	713	1.43	774	1.66	831	1.86	885	2.05	937	2.22	991	2.38	1045	2.54	1104	2.71	1166	2.89	1235	3.09
3800	736	1.63	796	1.86	853	2.06	907	2.24	960	2.41	1013	2.58	1068	2.74	1126	2.91	1189	3.09	1258	3.29

1. Blower performance includes gas heat exchangers and 2-in. filters. See the static resistance table for additional applications.
2. See the RPM selection table to determine the required motor sheave setting and to determine the maximum continuous BHP.
3. kW = BHP x 0.932.

KT102 (8.5 ton) side duct

Air flow (CFM)	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	Field supplied drive				Standard 2 HP and drive								High static 3 HP and drive							
2200	610	0.39	668	0.66	724	0.87	780	1.05	835	1.21	891	1.35	948	1.49	1009	1.65	1074	1.83	1143	2.05
2400	619	0.49	677	0.76	734	0.98	789	1.16	844	1.31	900	1.46	958	1.60	1018	1.76	1083	1.94	1153	2.16
2600	631	0.61	689	0.88	745	1.10	801	1.28	856	1.43	911	1.58	969	1.72	1030	1.87	1095	2.06	1164	2.28
2800	644	0.74	703	1.01	759	1.23	814	1.41	869	1.56	925	1.71	983	1.85	1044	2.01	1109	2.19	1178	2.41
3000	661	0.89	719	1.16	775	1.38	831	1.56	886	1.71	941	1.85	999	1.99	1060	2.15	1125	2.33	1194	2.55
3200	679	1.05	737	1.32	793	1.53	849	1.71	904	1.87	959	2.01	1017	2.15	1078	2.31	1143	2.49	1212	2.71
3400	698	1.22	757	1.49	813	1.71	868	1.88	923	2.04	979	2.18	1037	2.32	1098	2.48	1162	2.66	1232	2.88
3600	720	1.40	778	1.67	835	1.89	890	2.07	945	2.22	1001	2.37	1059	2.51	1119	2.66	1184	2.85	1254	3.07
3800	743	1.60	802	1.87	858	2.08	913	2.26	968	2.42	1024	2.56	1082	2.70	1143	2.86	1207	3.04	1277	3.26
4000	768	1.81	826	2.07	883	2.29	938	2.47	993	2.63	1049	2.77	1106	2.91	1167	3.07	1232	3.25	-	-
4200	794	2.03	852	2.29	909	2.51	964	2.69	1019	2.85	1075	2.99	1133	3.13	1193	3.29	-	-	-	-
															3 HP and field supplied drive					

1. Blower performance includes gas heat exchangers and 2-in. filters. See the static resistance table for additional applications.
2. See the RPM selection table to determine the required motor sheave setting and to determine the maximum continuous BHP.
3. kW = BHP x 0.932.

KT120 (10 ton) side duct

Air flow (CFM)	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	Field supplied drive						Standard 2 HP and drive						High static 3 HP and drive							
2600	647	0.61	702	0.85	755	1.06	808	1.24	860	1.41	914	1.57	970	1.73	1028	1.90	1091	2.07	1159	2.27
2800	657	0.75	713	0.99	766	1.20	819	1.38	871	1.55	925	1.71	981	1.87	1039	2.04	1102	2.21	1170	2.41
3000	671	0.90	726	1.14	780	1.35	832	1.53	885	1.70	938	1.86	994	2.02	1053	2.19	1116	2.36	1183	2.56
3200	687	1.06	742	1.30	795	1.51	848	1.70	901	1.87	954	2.03	1010	2.19	1069	2.35	1132	2.53	1199	2.72
3400	705	1.24	760	1.48	814	1.69	866	1.87	919	2.04	973	2.20	1028	2.36	1087	2.53	1150	2.70	1218	2.90
3600	726	1.42	781	1.66	835	1.87	887	2.06	940	2.23	993	2.39	1049	2.55	1108	2.71	1171	2.89	1239	3.09
3800	749	1.62	805	1.86	858	2.07	910	2.26	963	2.43	1017	2.59	1072	2.75	1131	2.91	1194	3.09	1262	3.28
4000	775	1.83	830	2.07	883	2.28	936	2.46	989	2.63	1042	2.79	1098	2.95	1157	3.12	1220	3.29	1287	3.49
4200	803	2.04	858	2.28	911	2.49	964	2.68	1016	2.85	1070	3.01	1126	3.17	1185	3.33	1247	3.51	-	-
4400	833	2.27	888	2.51	941	2.72	994	2.90	1046	3.07	1100	3.24	1156	3.39	-	-	-	-	-	-
4600	865	2.50	920	2.74	973	2.95	1026	3.14	1078	3.31	-	-	-	-	-	-	-	-	-	-
															3 HP and field supplied drive					

1. Blower performance includes gas heat exchangers and 2-in. filters. See the static resistance table for additional applications.
2. See the RPM selection table to determine the required motor sheave setting and to determine the maximum continuous BHP.
3. kW = BHP x 0.932.

KT150 (12.5 ton) side duct

Air flow (CFM)	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	Field supplied drive								Standard 3 HP and drive											
3200	736	0.44	774	0.79	816	1.12	861	1.41	910	1.68	960	1.92	1012	2.15	1065	2.36	1118	2.57	1171	2.77
3400	751	0.64	789	1.00	831	1.32	877	1.61	925	1.88	975	2.13	1027	2.35	1080	2.57	1133	2.77	1186	2.98
3600	768	0.87	806	1.22	848	1.55	894	1.84	942	2.11	992	2.35	1044	2.58	1097	2.79	1150	3.00	1203	3.20
3800	787	1.11	825	1.47	867	1.79	913	2.09	961	2.35	1011	2.60	1063	2.83	1116	3.04	1169	3.25	1222	3.45
4000	808	1.38	846	1.74	888	2.06	933	2.35	982	2.62	1032	2.86	1084	3.09	1137	3.31	1190	3.51	1242	3.71
4200	830	1.67	868	2.03	910	2.35	956	2.64	1004	2.91	1054	3.15	1106	3.38	1159	3.59	1212	3.80	1265	4.00
4400	854	1.98	892	2.33	934	2.66	980	2.95	1028	3.21	1078	3.46	1130	3.69	1183	3.90	1236	4.11	1289	4.31
4600	880	2.30	918	2.66	960	2.98	1005	3.28	1053	3.54	1104	3.79	1156	4.01	1209	4.23	1262	4.43	1314	4.64
4800	907	2.65	945	3.01	987	3.33	1032	3.62	1081	3.89	1131	4.13	1183	4.36	1236	4.58	1289	4.78	1341	4.98
5000	935	3.01	973	3.37	1015	3.69	1061	3.99	1109	4.25	1160	4.50	1212	4.73	1264	4.94	1317	5.15	1370	5.35
5200	965	3.40	1003	3.75	1045	4.08	1091	4.37	1139	4.64	1190	4.88	1242	5.11	1294	5.32	1347	5.53	1400	5.73
5400	996	3.80	1034	4.16	1076	4.48	1122	4.77	1170	5.04	1221	5.28	1273	5.51	1326	5.72	-	-	-	-
5600	1029	4.22	1067	4.57	1109	4.90	1155	5.19	1203	5.46	1253	5.70	-	-	-	-	-	-	-	-
5800	1063	4.65	1101	5.01	1143	5.33	1188	5.62	-	-	-	-	-	-	-	-	-	-	-	-
6000	1098	5.10	1136	5.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6200	1134	5.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	High static 5 HP and drive														5 HP and field supplied drive					

1. Blower performance includes gas heat exchangers and 2-in. filters. See the static resistance table for additional applications.
2. See the RPM selection table to determine the required motor sheave setting and to determine the maximum continuous BHP.
3. kW = BHP x 0.932.

KT037-150 bottom duct application

KT037 (3.0 ton) bottom duct

Air flow (CFM)	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	FS[4]				Standard 1.5 HP and drive				High static 1.5 HP and drive								FS[4]			
900	469	0.26	580	0.34	682	0.43	775	0.52	860	0.60	936	0.69	1004	0.78	1063	0.87	1113	0.96	1155	1.05
1000	486	0.27	597	0.36	699	0.45	793	0.54	879	0.63	956	0.72	1024	0.81	1083	0.91	1135	1.00	1177	1.10
1100	504	0.29	613	0.38	714	0.47	807	0.56	892	0.66	969	0.75	1037	0.84	1098	0.93	1151	1.02	1196	1.12
1200	526	0.31	635	0.40	736	0.50	828	0.59	911	0.69	986	0.78	1053	0.87	1112	0.97	1162	1.06	1203	1.15
1300	552	0.33	657	0.42	755	0.52	844	0.62	926	0.71	1001	0.81	1067	0.90	1126	0.99	1177	1.08	1220	1.17
1400	577	0.35	679	0.46	774	0.56	862	0.65	943	0.75	1017	0.84	1084	0.93	1144	1.02	1198	1.11	-	-
1500	610	0.39	707	0.49	797	0.60	882	0.70	959	0.79	1031	0.89	1095	0.98	1154	1.07	1206	1.15	-	-

1. Blower performance includes gas heat exchangers and 2-in. filters. See the static resistance table for additional applications.
2. See the RPM selection table to determine the required motor sheave setting and to determine the maximum continuous BHP.
3. kW = BHP x 0.932.
4. Field supplied drive.

KT049 (4.0 ton) bottom duct

Air flow (CFM)	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	Standard 1.5 HP and drive								High static 1.5 HP and drive								FS[4]			
1200	-	-	633	0.38	728	0.47	816	0.56	898	0.65	973	0.75	1042	0.85	1104	0.95	1159	1.05	1208	1.16
1300	-	-	656	0.41	748	0.50	834	0.59	914	0.68	988	0.77	1056	0.87	1118	0.96	1174	1.07	1224	1.17
1400	586	0.37	680	0.46	769	0.55	852	0.65	930	0.74	1003	0.84	1070	0.93	1132	1.02	1189	1.12	-	-
1500	612	0.40	703	0.50	790	0.59	871	0.69	948	0.78	1019	0.88	1086	0.97	1148	1.07	1205	1.17	-	-
1600	643	0.44	731	0.53	814	0.63	893	0.73	967	0.82	1037	0.92	1103	1.01	1164	1.11	1221	1.21	-	-
1700	671	0.47	756	0.57	837	0.67	914	0.77	987	0.87	1056	0.97	1121	1.07	1183	1.17	-	-	-	-
1800	699	0.53	781	0.63	860	0.73	935	0.84	1006	0.94	1074	1.04	1139	1.14	1199	1.24	-	-	-	-
1900	726	0.58	805	0.69	881	0.80	954	0.90	1024	1.01	1092	1.12	1157	1.22	1218	1.33	-	-	-	-
2000	755	0.64	831	0.75	905	0.86	977	0.97	1046	1.08	1113	1.19	1178	1.3	-	-	-	-	-	-

1. Blower performance includes gas heat exchangers and 2-in. filters. See the static resistance table for additional applications.
2. See the RPM selection table to determine the required motor sheave setting and to determine the maximum continuous BHP.
3. kW = BHP x 0.932.
4. Field supplied drive.

KT061 (5.0 ton) bottom duct

Air flow (CFM)	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	FS[4]								Standard 1.5 HP and drive								High static 2.0 HP and drive			
1500	616	0.39	696	0.50	771	0.60	841	0.71	907	0.81	968	0.91	1024	1.02	1075	1.12	1122	1.23	1164	1.33
1600	643	0.43	719	0.54	791	0.64	858	0.74	921	0.85	980	0.95	1034	1.06	1084	1.16	1130	1.26	1171	1.37
1700	671	0.47	746	0.58	817	0.68	884	0.78	947	0.88	1006	0.98	1062	1.09	1113	1.19	1160	1.29	1203	1.39
1800	698	0.52	771	0.62	840	0.72	905	0.83	967	0.93	1025	1.03	1080	1.13	1131	1.24	1178	1.34	1222	1.44
1900	725	0.57	796	0.67	864	0.77	929	0.88	990	0.98	1048	1.09	1102	1.19	1154	1.29	1202	1.40	1246	1.50
2000	753	0.62	822	0.73	888	0.83	952	0.94	1012	1.04	1069	1.15	1123	1.25	1174	1.36	1222	1.46	1267	1.57
2100	782	0.68	849	0.79	913	0.89	975	1.00	1033	1.11	1090	1.21	1143	1.32	1194	1.43	1243	1.54	1288	1.64
2200	809	0.74	874	0.85	936	0.96	997	1.07	1055	1.18	1110	1.29	1164	1.39	1215	1.50	1264	1.61	1310	1.72
2300	837	0.82	900	0.93	960	1.04	1019	1.15	1076	1.26	1132	1.37	1185	1.48	1236	1.59	1285	1.70	1333	1.81
2400	865	0.89	925	1.01	984	1.12	1042	1.23	1098	1.35	1152	1.46	1205	1.57	1256	1.69	1306	1.80	-	-
2500	893	0.98	952	1.09	1009	1.21	1065	1.33	1120	1.44	1173	1.56	1226	1.67	1277	1.79	1327	1.91	-	-

1. Blower performance includes gas heat exchangers and 2-in. filters. See the static resistance table for additional applications.
2. See the RPM selection table to determine the required motor sheave setting and to determine the maximum continuous BHP.
3. kW = BHP x 0.932.
4. Field supplied drive.

KT078 (6.5 ton) bottom duct

Air flow (CFM)	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	Field supplied drive				Standard 1.5 HP and drive						High static 2 HP and drive									
1800	580	0.29	652	0.49	722	0.70	791	0.90	855	1.09	917	1.27	973	1.44	1024	1.58	1069	1.70	1108	1.79
2000	599	0.41	671	0.61	741	0.81	809	1.02	874	1.21	935	1.39	992	1.56	1043	1.70	1088	1.82	1127	1.90
2200	618	0.53	690	0.74	760	0.94	829	1.14	894	1.34	955	1.52	1011	1.68	1062	1.83	1108	1.94	1146	2.03
2400	639	0.67	711	0.87	781	1.08	849	1.28	914	1.47	975	1.66	1032	1.82	1083	1.96	1128	2.08	1166	2.17
2600	661	0.82	733	1.02	803	1.23	871	1.43	936	1.62	998	1.80	1054	1.97	1105	2.11	1150	2.23	1189	2.32
2800	685	0.98	757	1.18	828	1.38	896	1.59	961	1.78	1022	1.96	1078	2.13	1130	2.27	1175	2.39	1213	2.47
3000	712	1.15	784	1.35	854	1.55	922	1.76	987	1.95	1048	2.13	1105	2.30	1156	2.44	1201	2.56	1240	2.64
3200	741	1.33	813	1.53	883	1.73	951	1.94	1016	2.13	1077	2.31	1134	2.48	1185	2.62	1230	2.74	1269	2.82
3400	772	1.52	844	1.72	915	1.92	983	2.13	1048	2.32	1109	2.50	1165	2.67	1216	2.81	1262	2.93	1300	3.01
													2 HP and field supplied drive							

1. Blower performance includes gas heat exchangers and 2-in. filters. See the static resistance table for additional applications.
2. See the RPM selection table to determine the required motor sheave setting and to determine the maximum continuous BHP.
3. kW = BHP x 0.932.

KT090 (7.5 ton) bottom duct

Air flow (CFM)	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	Field supplied drive				Standard 2 HP and drive						High static 3 HP and drive									
2000	647	0.50	702	0.69	760	0.86	820	1.00	880	1.15	939	1.29	997	1.45	1053	1.64	1104	1.85	1151	2.11
2200	659	0.63	715	0.82	772	0.98	832	1.13	892	1.27	952	1.42	1010	1.58	1065	1.76	1117	1.98	1163	2.23
2400	675	0.76	730	0.95	788	1.12	847	1.26	907	1.41	967	1.55	1025	1.71	1081	1.90	1132	2.11	1179	2.37
2600	694	0.91	749	1.10	807	1.27	866	1.41	926	1.56	986	1.70	1044	1.86	1100	2.05	1151	2.26	1198	2.52
2800	717	1.08	772	1.26	830	1.43	889	1.58	949	1.72	1009	1.87	1067	2.03	1122	2.21	1174	2.42	1221	2.68
3000	744	1.25	799	1.44	857	1.60	916	1.75	976	1.89	1036	2.04	1094	2.20	1149	2.38	1201	2.60	1248	2.86
3200	775	1.43	830	1.62	888	1.78	947	1.93	1008	2.07	1067	2.22	1125	2.38	1181	2.56	1232	2.78	1279	3.04
3400	810	1.62	865	1.81	923	1.98	983	2.12	1043	2.27	1102	2.41	1160	2.57	1216	2.76	1267	2.97	1314	3.23
3600	849	1.83	905	2.01	962	2.18	1022	2.33	1082	2.47	1142	2.62	1200	2.78	1255	2.96	1307	3.18	1353	3.43
3800	893	2.04	948	2.23	1006	2.39	1065	2.54	1125	2.68	1185	2.83	1243	2.99	1299	3.17	1350	3.39	1397	3.64
									3 HP and field supplied drive											

1. Blower performance includes gas heat exchangers and 2-in. filters. See the static resistance table for additional applications.
2. See the RPM selection table to determine the required motor sheave setting and to determine the maximum continuous BHP.
3. kW = BHP x 0.932.

KT102 (8.5 ton) bottom duct

Air flow (CFM)	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	Field supplied drive				Standard 2 HP and drive						High static 3 HP and drive									
2200	686	0.77	732	0.90	782	1.04	837	1.17	895	1.30	953	1.42	1011	1.53	1067	1.63	1120	1.72	1169	1.80
2400	703	0.88	749	1.02	800	1.15	854	1.28	912	1.41	970	1.53	1028	1.64	1084	1.74	1138	1.83	1186	1.91
2600	722	1.00	768	1.14	819	1.28	873	1.41	931	1.53	989	1.65	1047	1.77	1104	1.87	1157	1.96	1205	2.04
2800	744	1.14	789	1.28	840	1.42	895	1.55	952	1.67	1011	1.79	1069	1.91	1125	2.01	1178	2.10	1227	2.18
3000	767	1.30	813	1.43	863	1.57	918	1.70	976	1.83	1034	1.95	1092	2.06	1148	2.16	1202	2.25	1250	2.33
3200	793	1.47	838	1.60	889	1.74	944	1.87	1002	2.00	1060	2.12	1118	2.23	1174	2.33	1227	2.42	1276	2.50
3400	821	1.65	867	1.79	918	1.92	972	2.05	1030	2.18	1088	2.30	1146	2.41	1203	2.52	1256	2.61	1304	2.68
3600	852	1.85	897	1.99	948	2.12	1003	2.25	1060	2.38	1119	2.50	1177	2.61	1233	2.71	1286	2.81	1335	2.88
3800	884	2.06	930	2.20	981	2.33	1036	2.46	1093	2.59	1151	2.71	1209	2.82	1266	2.93	1319	3.02	1367	3.10
4000	919	2.29	965	2.42	1016	2.56	1071	2.69	1128	2.82	1186	2.94	1244	3.05	1301	3.15	1354	3.24	1402	3.32
4200	956	2.53	1002	2.66	1053	2.80	1108	2.93	1165	3.06	1223	3.18	1282	3.29	1338	3.39	-	-	-	-
													3 HP and field supplied drive							

1. Blower performance includes gas heat exchangers and 2-in. filters. See the static resistance table for additional applications.
2. See the RPM selection table to determine the required motor sheave setting and to determine the maximum continuous BHP.
3. kW = BHP x 0.932.

KT120 (10 ton) bottom duct

Air flow (CFM)	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	Field supplied drive		Standard 2 HP and drive								High static 3 HP and drive									
2600	742	1.06	782	1.18	828	1.30	880	1.43	936	1.56	993	1.69	1050	1.80	1105	1.91	1157	1.99	1204	2.05
2800	762	1.20	802	1.32	849	1.44	901	1.57	956	1.70	1014	1.83	1071	1.94	1126	2.05	1178	2.13	1224	2.19
3000	785	1.36	825	1.47	872	1.60	924	1.73	979	1.86	1036	1.98	1093	2.10	1149	2.20	1200	2.28	1247	2.35
3200	810	1.52	850	1.64	897	1.76	949	1.89	1004	2.02	1061	2.15	1118	2.27	1173	2.37	1225	2.45	1272	2.51
3400	837	1.71	877	1.82	924	1.95	976	2.08	1031	2.21	1088	2.33	1145	2.45	1200	2.55	1252	2.63	1299	2.70
3600	866	1.90	906	2.02	953	2.14	1005	2.27	1060	2.40	1117	2.53	1174	2.64	1230	2.75	1281	2.83	1328	2.89
3800	897	2.11	937	2.23	984	2.35	1036	2.48	1091	2.61	1148	2.74	1205	2.85	1261	2.96	1313	3.04	1359	3.10
4000	930	2.34	970	2.45	1017	2.58	1069	2.70	1125	2.84	1182	2.96	1239	3.08	1294	3.18	1346	3.26	1392	3.32
4200	966	2.57	1006	2.69	1052	2.81	1104	2.94	1160	3.07	1217	3.20	1274	3.31	1329	3.42	-	-	-	-
4400	1003	2.82	1043	2.94	1089	3.06	1141	3.19	1197	3.32	1254	3.45	-	-	-	-	-	-	-	-
4600	1041	3.08	1082	3.20	1128	3.32	1180	3.45	-	-	-	-	-	-	-	-	-	-	-	-
							3 HP and field supplied drive													

1. Blower performance includes gas heat exchangers and 2-in. filters. See the static resistance table for additional applications.
2. See the RPM selection table to determine the required motor sheave setting and to determine the maximum continuous BHP.
3. kW = BHP x 0.932.

KT150 (12.5 ton) bottom duct

Air flow (CFM)	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	Field supplied drive				Standard 3 HP and drive										High static 5 HP and drive					
3200	829	0.96	870	1.21	914	1.46	960	1.70	1009	1.93	1059	2.15	1111	2.37	1164	2.57	1218	2.76	1273	2.93
3400	853	1.18	894	1.43	938	1.68	984	1.92	1033	2.15	1083	2.38	1135	2.59	1188	2.79	1242	2.98	1297	3.16
3600	879	1.43	920	1.68	964	1.93	1010	2.17	1059	2.40	1109	2.63	1161	2.84	1214	3.04	1268	3.23	1323	3.41
3800	907	1.70	948	1.95	992	2.20	1038	2.44	1087	2.67	1137	2.90	1189	3.11	1242	3.31	1296	3.50	1351	3.68
4000	937	1.99	978	2.25	1022	2.50	1068	2.74	1117	2.97	1167	3.19	1219	3.40	1272	3.61	1326	3.80	1381	3.97
4200	969	2.31	1010	2.57	1054	2.81	1101	3.05	1149	3.29	1200	3.51	1252	3.72	1305	3.93	1359	4.11	1413	4.29
4400	1003	2.65	1045	2.91	1089	3.16	1135	3.40	1184	3.63	1234	3.85	1286	4.06	1339	4.27	1393	4.46	1448	4.63
4600	1040	3.02	1081	3.27	1125	3.52	1171	3.76	1220	3.99	1270	4.22	1322	4.43	1375	4.63	1429	4.82	1484	5.00
4800	1078	3.41	1119	3.66	1163	3.91	1210	4.15	1258	4.38	1309	4.60	1361	4.82	1414	5.02	1468	5.21	1522	5.38
5000	1119	3.82	1160	4.07	1204	4.32	1250	4.56	1299	4.79	1349	5.01	1401	5.23	1454	5.43	1508	5.62	1563	5.79
5200	1161	4.25	1202	4.50	1246	4.75	1293	4.99	1341	5.22	1392	5.45	1443	5.66	-	-	-	-	-	-
5400	1205	4.70	1246	4.95	1290	5.20	1337	5.44	1385	5.67	-	-	-	-	-	-	-	-	-	-
5600	1251	5.17	1292	5.43	1336	5.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5800	1299	5.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
															5 HP and field supplied drive					

1. Blower performance includes gas heat exchangers and 2-in. filters. See the static resistance table for additional applications.
2. See the RPM selection table to determine the required motor sheave setting and to determine the maximum continuous BHP.
3. kW = BHP x 0.932.

KB078-150 side duct application

KB078 (6.5 ton) side duct

Air flow (CFM)	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	Field supplied drive				Standard 1.5 HP and drive										High static 2 HP and drive					
1800	613	0.21	674	0.44	730	0.64	784	0.82	837	0.99	890	1.16	945	1.32	1003	1.49	1066	1.67	1135	1.86
2000	620	0.28	680	0.51	737	0.71	791	0.90	844	1.07	897	1.23	952	1.39	1010	1.56	1073	1.74	1142	1.94
2200	626	0.38	686	0.60	743	0.81	797	0.99	850	1.16	903	1.32	958	1.49	1016	1.65	1079	1.83	1148	2.03
2400	632	0.49	693	0.71	750	0.92	804	1.10	856	1.27	910	1.43	964	1.59	1023	1.76	1085	1.94	1154	2.14
2600	640	0.61	701	0.84	758	1.04	812	1.22	864	1.39	917	1.56	972	1.72	1030	1.89	1093	2.07	1162	2.27
2800	650	0.75	711	0.98	767	1.18	821	1.36	874	1.53	927	1.70	982	1.86	1040	2.03	1103	2.21	-	-
3000	662	0.90	723	1.13	779	1.33	833	1.51	886	1.68	939	1.85	994	2.01	1052	2.18	-	-	-	-
3200	677	1.07	737	1.29	794	1.50	848	1.68	901	1.85	954	2.01	1009	2.18	-	-	-	-	-	-
3400	694	1.24	754	1.47	811	1.67	865	1.86	918	2.03	971	2.19	-	-	-	-	-	-	-	-

1. Blower performance includes gas heat exchangers and 2-in. filters. See the static resistance table for additional applications.
2. See the RPM selection table to determine the required motor sheave setting and to determine the maximum continuous BHP.
3. kW = BHP x 0.932.

KB090 (7.5 ton) side duct

Air Flow (CFM)	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	FS[4]				Standard 1.5 HP & Drive										Hi Static 3 HP & Drive					
2000	-	-	656	0.24	711	0.48	768	0.73	826	0.96	886	1.19	945	1.41	1003	1.61	1058	1.79	1110	1.95
2200	619	0.07	670	0.32	724	0.57	781	0.81	840	1.04	899	1.27	959	1.49	1016	1.69	1072	1.87	1124	2.04
2400	631	0.16	682	0.41	736	0.66	793	0.90	852	1.14	911	1.36	970	1.58	1028	1.78	1084	1.97	1136	2.13
2600	642	0.27	692	0.52	747	0.76	804	1.01	862	1.24	922	1.47	981	1.69	1039	1.89	1094	2.07	1146	2.24
2800	652	0.39	703	0.64	757	0.88	814	1.13	873	1.36	932	1.59	992	1.81	1049	2.01	1105	2.19	1157	2.36
3000	663	0.53	714	0.77	768	1.02	825	1.26	884	1.50	943	1.73	1003	1.94	1060	2.14	1116	2.33	1168	2.49
3200	675	0.68	726	0.92	780	1.17	837	1.41	896	1.65	955	1.88	1014	2.09	1072	2.29	1128	2.48	1180	2.64
3400	688	0.84	739	1.09	793	1.34	850	1.58	909	1.82	968	2.04	1027	2.26	1085	2.46	1141	2.65	1193	2.81
3600	703	1.03	753	1.28	807	1.52	864	1.76	923	2.00	983	2.23	1042	2.44	1100	2.64	1155	2.83	-	-
3800	718	1.23	769	1.47	823	1.72	880	1.96	939	2.20	998	2.43	1058	2.64	1115	2.84	1171	3.03	-	-

1. Blower performance includes gas heat exchangers and 2” filters. See STATIC RESISTANCE table for additional applications.
2. See RPM selection table to determine desired motor sheave setting and to determine the maximum continuous BHP.
3. kW = BHP x 0.932.
4. Field Supplied Drive.

KB102 (8.5 ton) side duct

Air Flow (CFM)	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	Field Supplied Drive				Standard 2 HP & Drive								Hi Static 3 HP & Drive							
2200	654	0.32	706	0.53	755	0.73	803	0.92	849	1.10	893	1.27	937	1.44	979	1.62	1020	1.79	1061	1.96
2400	664	0.43	716	0.64	765	0.83	813	1.02	859	1.20	904	1.38	947	1.55	989	1.72	1030	1.89	1071	2.07
2600	675	0.53	726	0.74	776	0.94	824	1.12	870	1.30	914	1.48	957	1.65	1000	1.82	1041	1.99	1082	2.17
2800	686	0.63	738	0.84	787	1.04	835	1.23	881	1.41	925	1.58	969	1.76	1011	1.93	1052	2.10	1093	2.27
3000	699	0.75	750	0.96	800	1.16	847	1.34	893	1.52	938	1.70	981	1.87	1024	2.04	1065	2.21	1106	2.39
3200	713	0.88	764	1.09	814	1.28	861	1.47	907	1.65	952	1.83	995	2.00	1037	2.17	1079	2.34	1119	2.52
3400	728	1.02	779	1.23	829	1.43	877	1.61	923	1.79	967	1.97	1010	2.14	1053	2.31	1094	2.48	1135	2.66
3600	745	1.18	796	1.39	846	1.59	893	1.77	939	1.95	984	2.13	1027	2.30	1069	2.47	1111	2.64	1152	2.82
3800	763	1.36	815	1.57	864	1.76	912	1.95	958	2.13	1002	2.31	1046	2.48	1088	2.65	1129	2.82	1170	3.00
4000	783	1.55	835	1.76	884	1.96	932	2.15	978	2.33	1022	2.50	1066	2.67	1108	2.84	1149	3.02	1190	3.19
4200	805	1.77	856	1.98	906	2.17	953	2.36	999	2.54	1044	2.72	1087	2.89	1129	3.06	1171	3.23	1211	3.41
																	3 HP & Field Supplied Drive			

1. Blower performance includes gas heat exchangers and 2” filters. See STATIC RESISTANCE table for additional applications.
2. See RPM selection table to determine desired motor sheave setting and to determine the maximum continuous BHP.
3. kW = BHP x 0.932.

KB120 (10 ton) side duct

Air Flow (CFM)	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	Field Supplied Drive				Standard 2 HP & Drive										Hi Static 3 HP & Drive					
2600	675	0.53	726	0.74	776	0.94	824	1.12	870	1.30	914	1.48	957	1.65	1000	1.82	1041	1.99	1082	2.17
2800	686	0.63	738	0.84	787	1.04	835	1.23	881	1.41	925	1.58	969	1.76	1011	1.93	1052	2.10	1093	2.27
3000	699	0.75	750	0.96	800	1.16	847	1.34	893	1.52	938	1.70	981	1.87	1024	2.04	1065	2.21	1106	2.39
3200	713	0.88	764	1.09	814	1.28	861	1.47	907	1.65	952	1.83	995	2.00	1037	2.17	1079	2.34	1119	2.52
3400	728	1.02	779	1.23	829	1.43	877	1.61	923	1.79	967	1.97	1010	2.14	1053	2.31	1094	2.48	1135	2.66
3600	745	1.18	796	1.39	846	1.59	893	1.77	939	1.95	984	2.13	1027	2.30	1069	2.47	1111	2.64	1152	2.82
3800	763	1.36	815	1.57	864	1.76	912	1.95	958	2.13	1002	2.31	1046	2.48	1088	2.65	1129	2.82	1170	3.00
4000	783	1.55	835	1.76	884	1.96	932	2.15	978	2.33	1022	2.50	1066	2.67	1108	2.84	1149	3.02	1190	3.19
4200	805	1.77	856	1.98	906	2.17	953	2.36	999	2.54	1044	2.72	1087	2.89	1129	3.06	1171	3.23	1211	3.41
4400	828	2.00	879	2.21	929	2.41	976	2.59	1022	2.77	1067	2.95	1110	3.12	1152	3.29	-	-	-	-
4600	852	2.25	904	2.46	953	2.66	1001	2.85	1047	3.03	1092	3.20	1135	3.37	-	-	-	-	-	-
4800	879	2.52	930	2.73	980	2.93	1027	3.12	1073	3.30	-	-	-	-	-	-	-	-	-	-
5000	906	2.81	958	3.02	1007	3.22	1055	3.41	-	-	-	-	-	-	-	-	-	-	-	-
											3 HP & Field Supplied Drive									

1. Blower performance includes gas heat exchangers and 2" filters. See STATIC RESISTANCE table for additional applications.
2. See RPM selection table to determine desired motor sheave setting and to determine the maximum continuous BHP.
3. kW = BHP x 0.932.

KB150 (12.5 ton) side duct

Air Flow (CFM)	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	Field Supplied Drive								Standard 3 HP & Drive											
3200	713	0.88	764	1.09	814	1.28	861	1.47	907	1.65	952	1.83	995	2.00	1037	2.17	1079	2.34	1119	2.52
3400	728	1.02	779	1.23	829	1.43	877	1.61	923	1.79	967	1.97	1010	2.14	1053	2.31	1094	2.48	1135	2.66
3600	745	1.18	796	1.39	846	1.59	893	1.77	939	1.95	984	2.13	1027	2.30	1069	2.47	1111	2.64	1152	2.82
3800	763	1.36	815	1.57	864	1.76	912	1.95	958	2.13	1002	2.31	1046	2.48	1088	2.65	1129	2.82	1170	3.00
4000	783	1.55	835	1.76	884	1.96	932	2.15	978	2.33	1022	2.50	1066	2.67	1108	2.84	1149	3.02	1190	3.19
4200	805	1.77	856	1.98	906	2.17	953	2.36	999	2.54	1044	2.72	1087	2.89	1129	3.06	1171	3.23	1211	3.41
4400	828	2.00	879	2.21	929	2.41	976	2.59	1022	2.77	1067	2.95	1110	3.12	1152	3.29	1194	3.46	1235	3.64
4600	852	2.25	904	2.46	953	2.66	1001	2.85	1047	3.03	1092	3.20	1135	3.37	1177	3.54	1219	3.72	1259	3.89
4800	879	2.52	930	2.73	980	2.93	1027	3.12	1073	3.30	1118	3.47	1161	3.65	1203	3.82	1245	3.99	1285	4.16
5000	906	2.81	958	3.02	1007	3.22	1055	3.41	1101	3.59	1146	3.76	1189	3.94	1231	4.11	1273	4.28	1313	4.45
5200	936	3.12	987	3.33	1037	3.53	1084	3.72	1130	3.90	1175	4.07	1218	4.24	1260	4.42	1302	4.59	1343	4.76
5400	966	3.45	1018	3.66	1067	3.86	1115	4.05	1161	4.23	1206	4.40	1249	4.57	1291	4.74	1333	4.91	1373	5.09
5600	999	3.80	1050	4.01	1100	4.20	1147	4.39	1193	4.57	1238	4.75	1281	4.92	1323	5.09	1365	5.26	1405	5.44
5800	1032	4.16	1084	4.37	1133	4.57	1181	4.75	1227	4.93	1271	5.11	1315	5.28	1357	5.45	1398	5.62	-	-
6000	1067	4.54	1119	4.75	1168	4.95	1216	5.13	1262	5.31	1306	5.49	1350	5.66	-	-	-	-	-	-
6200	1103	4.94	1155	5.15	1204	5.34	1252	5.53	1298	5.71	-	-	-	-	-	-	-	-	-	-
	Hi Static 5 HP & Drive								5 HP & Field Supplied Drive											

1. Blower performance includes gas heat exchangers and 2" filters. See STATIC RESISTANCE table for additional applications.
2. See RPM selection table to determine desired motor sheave setting and to determine the maximum continuous BHP.
3. kW = BHP x 0.932.

KB078-150 bottom duct application

KB078 (6.5 ton) bottom duct

Air flow (CFM)	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	Field supplied drive				Standard 2 HP and drive						High static 2 HP and drive									
1800	637	0.39	692	0.58	750	0.75	809	0.89	870	1.04	929	1.18	987	1.34	1043	1.53	1094	1.74	1141	2.00
2000	647	0.50	702	0.69	760	0.86	820	1.00	880	1.15	939	1.29	997	1.45	1053	1.64	1104	1.85	1151	2.11
2200	659	0.63	715	0.82	772	0.98	832	1.13	892	1.27	952	1.42	1010	1.58	1065	1.76	1117	1.98	1163	2.23
2400	675	0.76	730	0.95	788	1.12	847	1.26	907	1.41	967	1.55	1025	1.71	1081	1.90	1132	2.11	-	-
2600	694	0.91	749	1.10	807	1.27	866	1.41	926	1.56	986	1.70	1044	1.86	1100	2.05	1151	2.26	-	-
2800	717	1.08	772	1.26	830	1.43	889	1.58	949	1.72	1009	1.87	1067	2.03	1122	2.21	-	-	-	-
3000	744	1.25	799	1.44	857	1.60	916	1.75	976	1.89	1036	2.04	1094	2.20	-	-	-	-	-	-
3200	775	1.43	830	1.62	888	1.78	947	1.93	1008	2.07	1067	2.22	-	-	-	-	-	-	-	-
3400	810	1.62	865	1.81	923	1.98	983	2.12	1043	2.27	-	-	-	-	-	-	-	-	-	-

1. Blower performance includes gas heat exchangers and 2-in. filters. See the static resistance table for additional applications.
2. See the RPM selection table to determine the required motor sheave setting and to determine the maximum continuous BHP.
3. kW = BHP x 0.932.

KB090 (7.5 Ton) bottom duct

Air Flow (CFM)	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	FS[4]		Standard 1.5 HP & Drive										Hi Static 3 HP & Drive							
2000	644	0.11	698	0.38	755	0.62	814	0.85	874	1.06	933	1.26	990	1.46	1043	1.66	1090	1.87	1131	2.09
2200	666	0.26	720	0.53	777	0.77	836	1.00	896	1.21	956	1.41	1012	1.61	1065	1.81	1113	2.02	1153	2.24
2400	689	0.42	743	0.69	800	0.93	859	1.16	919	1.37	978	1.57	1035	1.77	1088	1.97	1135	2.18	1176	2.40
2600	712	0.60	766	0.87	823	1.11	882	1.34	942	1.55	1002	1.75	1058	1.95	1111	2.15	1159	2.36	1199	2.58
2800	736	0.80	790	1.06	847	1.31	906	1.53	967	1.74	1026	1.94	1082	2.14	1135	2.34	1183	2.55	1223	2.78
3000	761	1.00	815	1.27	872	1.52	931	1.74	991	1.95	1051	2.15	1107	2.35	1160	2.55	1208	2.76	1248	2.98
3200	787	1.22	840	1.49	898	1.74	957	1.96	1017	2.17	1076	2.37	1133	2.57	1186	2.77	1233	2.98	1274	3.20
3400	813	1.46	867	1.73	924	1.97	984	2.19	1044	2.40	1103	2.61	1160	2.80	1212	3.01	1260	3.21	-	-
3600	841	1.70	894	1.97	952	2.21	1011	2.44	1071	2.65	1130	2.85	1187	3.05	-	-	-	-	-	-
3800	869	1.96	923	2.22	980	2.47	1039	2.69	1099	2.90	1158	3.10	1215	3.30	-	-	-	-	-	-
															3 HP & Field Supplied Drive					

1. Blower performance includes gas heat exchangers and 2” filters. See STATIC RESISTANCE table for additional applications.
2. See RPM selection table to determine desired motor sheave setting and to determine the maximum continuous BHP.
3. kW = BHP x 0.932.
4. Field Supplied Drive.

KB102 (8.5 ton) bottom duct

Air Flow (CFM)	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	FS[4]		Standard 2 HP & Drive								Hi Static 3 HP & Drive									
2200	685	0.59	739	0.74	791	0.88	841	1.01	889	1.14	936	1.27	981	1.39	1025	1.51	1069	1.63	1111	1.75
2400	702	0.70	756	0.85	808	0.99	858	1.12	906	1.25	953	1.37	999	1.49	1043	1.62	1086	1.74	1129	1.86
2600	722	0.83	776	0.97	828	1.11	878	1.25	926	1.37	973	1.50	1018	1.62	1063	1.74	1106	1.86	1149	1.99
2800	744	0.97	798	1.12	850	1.26	900	1.39	949	1.52	995	1.64	1041	1.76	1085	1.88	1128	2.00	1171	2.13
3000	769	1.13	823	1.28	875	1.42	925	1.55	974	1.68	1020	1.80	1066	1.92	1110	2.05	1153	2.17	1196	2.29
3200	797	1.32	851	1.46	903	1.60	953	1.74	1001	1.86	1048	1.99	1093	2.11	1138	2.23	1181	2.35	1224	2.48
3400	828	1.52	882	1.67	934	1.81	983	1.94	1032	2.07	1078	2.19	1124	2.32	1168	2.44	1212	2.56	1254	2.68
3600	861	1.75	915	1.90	967	2.04	1017	2.17	1065	2.30	1112	2.42	1157	2.54	1201	2.67	1245	2.79	1287	2.91
3800	897	2.00	951	2.15	1002	2.29	1052	2.42	1101	2.55	1147	2.67	1193	2.80	1237	2.92	1280	3.04	1323	3.16
4000	935	2.27	989	2.42	1041	2.56	1091	2.69	1139	2.82	1186	2.95	1231	3.07	1275	3.19	1319	3.31	1362	3.43
4200	976	2.57	1030	2.72	1082	2.86	1132	2.99	1180	3.12	1227	3.24	1272	3.36	-	-	-	-	-	-
											3 HP & Field Supplied Drive									

1. Blower performance includes gas heat exchangers and 2” filters. See STATIC RESISTANCE table for additional applications.
2. See RPM selection table to determine desired motor sheave setting and to determine the maximum continuous BHP.
3. kW = BHP x 0.932.
4. Field Supplied Drive.

KB120 (10 ton) bottom duct

Air Flow (CFM)	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	Field Supplied Drive		Standard 2 HP & Drive										Hi Static 3 HP & Drive							
2600	722	0.83	776	0.97	828	1.11	878	1.25	926	1.37	973	1.50	1018	1.62	1063	1.74	1106	1.86	1149	1.99
2800	744	0.97	798	1.12	850	1.26	900	1.39	949	1.52	995	1.64	1041	1.76	1085	1.88	1128	2.00	1171	2.13
3000	769	1.13	823	1.28	875	1.42	925	1.55	974	1.68	1020	1.80	1066	1.92	1110	2.05	1153	2.17	1196	2.29
3200	797	1.32	851	1.46	903	1.60	953	1.74	1001	1.86	1048	1.99	1093	2.11	1138	2.23	1181	2.35	1224	2.48
3400	828	1.52	882	1.67	934	1.81	983	1.94	1032	2.07	1078	2.19	1124	2.32	1168	2.44	1212	2.56	1254	2.68
3600	861	1.75	915	1.90	967	2.04	1017	2.17	1065	2.30	1112	2.42	1157	2.54	1201	2.67	1245	2.79	1287	2.91
3800	897	2.00	951	2.15	1002	2.29	1052	2.42	1101	2.55	1147	2.67	1193	2.80	1237	2.92	1280	3.04	1323	3.16
4000	935	2.27	989	2.42	1041	2.56	1091	2.69	1139	2.82	1186	2.95	1231	3.07	1275	3.19	1319	3.31	1362	3.43
4200	976	2.57	1030	2.72	1082	2.86	1132	2.99	1180	3.12	1227	3.24	1272	3.36	-	-	-	-	-	-
4400	1019	2.88	1073	3.03	1125	3.17	1175	3.30	1223	3.43	-	-	-	-	-	-	-	-	-	-
4600	1065	3.22	1119	3.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			3 HP & Field Supplied Drive																	

1. Blower performance includes gas heat exchangers and 2” filters. See STATIC RESISTANCE table for additional applications.
2. See RPM selection table to determine desired motor sheave setting and to determine the maximum continuous BHP.
3. kW = BHP x 0.932.

KB150 (12.5 ton) bottom duct

Air Flow (CFM)	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	Field Supplied Drive				Standard 3 HP & Drive										Hi Static 5 HP & Drive					
3200	797	1.32	851	1.46	903	1.60	953	1.74	1001	1.86	1048	1.99	1093	2.11	1138	2.23	1181	2.35	1224	2.48
3400	828	1.52	882	1.67	934	1.81	983	1.94	1032	2.07	1078	2.19	1124	2.32	1168	2.44	1212	2.56	1254	2.68
3600	861	1.75	915	1.90	967	2.04	1017	2.17	1065	2.30	1112	2.42	1157	2.54	1201	2.67	1245	2.79	1287	2.91
3800	897	2.00	951	2.15	1002	2.29	1052	2.42	1101	2.55	1147	2.67	1193	2.80	1237	2.92	1280	3.04	1323	3.16
4000	935	2.27	989	2.42	1041	2.56	1091	2.69	1139	2.82	1186	2.95	1231	3.07	1275	3.19	1319	3.31	1362	3.43
4200	976	2.57	1030	2.72	1082	2.86	1132	2.99	1180	3.12	1227	3.24	1272	3.36	1316	3.48	1360	3.60	1402	3.73
4400	1019	2.88	1073	3.03	1125	3.17	1175	3.30	1223	3.43	1270	3.55	1315	3.67	1360	3.80	1403	3.92	1446	4.04
4600	1065	3.22	1119	3.36	1171	3.50	1221	3.64	1269	3.76	1316	3.89	1361	4.01	1405	4.13	1449	4.25	1491	4.38
4800	1113	3.57	1167	3.72	1219	3.86	1269	3.99	1317	4.12	1364	4.24	1409	4.36	1453	4.48	1497	4.61	1540	4.73
5000	1163	3.94	1217	4.09	1269	4.23	1319	4.36	1367	4.49	1414	4.62	1459	4.74	1504	4.86	1547	4.98	1590	5.10
5200	1216	4.34	1270	4.48	1321	4.62	1371	4.76	1420	4.88	1466	5.01	1512	5.13	1556	5.25	1600	5.37	1642	5.50
5400	1270	4.75	1324	4.89	1376	5.03	1426	5.17	1474	5.29	1521	5.42	1566	5.54	1611	5.66	-	-	-	-
5600	1327	5.17	1381	5.32	1433	5.46	1483	5.59	1531	5.72	-	-	-	-	-	-	-	-	-	-
5800	1385	5.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			5 HP & Field Supplied Drive																	

1. Blower performance includes gas heat exchangers and 2” filters. See STATIC RESISTANCE table for additional applications.
2. See RPM selection table to determine desired motor sheave setting and to determine the maximum continuous BHP.
3. kW = BHP x 0.932.

Sound performance

KT Outdoor sound power levels

Size (ton)	Sound rating[1] dB (A)	Octave band centerline frequency (Hz)							
		63	125	250	500	1000	2000	4000	8000
037 (3)	75	78.5	78.5	74.0	72.0	68.5	65.0	60.5	53.0
049 (4)	75	83.0	78.5	74.5	72.0	69.5	63.0	58.0	55.5
061 (5)	75	80.0	78.0	74.5	72.5	69.0	63.0	57.5	52.0
078 (6.5)	84	86	85	83	82	79	72	67	60
090 (7.5)	85	83	84	85	84	81	75	70	67
102 (8.5)	84	85	87	84	82	79	73	68	61
120 (10)	82	83	82	82	80	77	72	67	62
150 (12.5)	83	92	84	83	82	78	72	68	63

1. Rated in accordance with AHRI 270 standard.

Electrical data

KT037-150 standard indoor blower - without powered convenience outlet

Size (ton)	Volt	Compressors (each)						OD fan motors (each)	Supply blower motor	Power exhaust motor	Power convenience outlet	Electric heat option				MCA[1] (Amp)	MCA[1] with power exhaust (Amp)	Max fuse[2]/ breaker[3] size (Amp)	Max fuse[2]/ breaker[3] size with power exhaust (Amp)
		RLA		LRA		MCC													
		C1	C2	C1	C2	C1	C2	FLA	FLA	FLA	FLA	Model	kW	Stages	Amp				
037 (3)	208-3-60	9.9		82		15		3.5	9	5.5		None	-	-	-	28.4	33.9	35	40
												E03	2.3	1	6.4	28.4	33.9	35	40
												E06	4.5	1	12.5	28.4	33.9	35	40
												E08	6.8	1	18.9	34.9	41.8	35	45
												E15	11	2	31.4	50.5	57.4	60	60
	230-3-60	9.9		82		15		3.5	9	5.5		None	-	-	-	28.4	33.9	35	40
												E03	3	1	7.2	28.4	33.9	35	40
												E06	6	1	14.4	29.3	36.1	35	40
												E08	9	1	21.7	38.4	45.3	40	50
												E15	15	2	36.1	56.4	63.3	60	70
	460-3-60	4.8		44.3		8		1.6	4.6	2.2		None	-	-	-	13.8	16	15	20
												E03	3	1	3.6	13.8	16	15	20
												E06	6	1	7.2	14.8	17.5	15	20
												E08	9	1	10.8	19.3	22	20	25
												E15	15	2	18	28.3	31	30	35
	575-3-60	3.5		28.7		6		3.5	3.5	1.8		None	-	-	-	10.7	12.5	15	15
												E08	9	1	8.7	15.3	17.5	20	20
												E15	15	2	14.4	22.4	24.6	25	25
049 (4)	208-3-60	11.9		112		19		3.5	9	5.5		None	-	-	-	30.9	36.4	40	45
												E06	4.5	1	12.5	30.9	36.4	40	45
												E08	6.8	1	18.9	34.9	41.8	40	45
												E15	11	2	31.4	50.5	57.4	60	60
												E20	15	2	41.6	63.3	70.1	70	80
	230-3-60	11.9		112		19		3.5	9	5.5		None	-	-	-	30.9	36.4	40	45
												E06	6	1	14.4	30.9	36.4	40	45
												E08	9	1	21.7	38.4	45.3	40	50
												E15	15	2	36.1	56.4	63.3	60	70
												E20	20	2	48.1	71.4	78.3	80	80
	460-3-60	6.8		61.8		11		3.5	4.6	2.2		None	-	-	-	16.6	18.8	20	25
												E06	6	1	7.2	16.6	18.8	20	25
												E08	9	1	10.8	19.3	22	20	25
												E15	15	2	18	28.3	31	30	35
												E20	20	2	24.1	35.9	38.6	40	40
	575-3-60	4.8		39		8		3.5	3.5	1.8		None	-	-	-	12.3	14.1	15	15
												E08	9	1	8.7	15.3	17.5	20	20
												E15	15	2	14.4	22.4	24.6	25	25
												E20	20	2	19.2	28.4	30.6	30	35
061 (5)	208-3-60	13.8		150		22		3.5	9	5.5		None	-	-	-	33.3	38.8	45	50
												E06	4.5	1	12.5	33.3	38.8	45	50
												E08	6.8	1	18.9	34.9	41.8	45	50
												E15	11	2	31.4	50.5	57.4	60	60
												E20	15	2	41.6	63.3	70.1	70	80
												E23	18	2	50	73.8	80.6	80	90
	230-3-60	13.8		150		22		3.5	9	5.5		None	-	-	-	33.3	38.8	45	50
												E06	6	1	14.4	33.3	38.8	45	50
												E08	9	1	21.7	38.4	45.3	45	50
												E15	15	2	36.1	56.4	63.3	60	70
												E20	20	2	48.1	71.4	78.3	80	80
												E23	24	2	57.7	83.4	90.3	90	100
	460-3-60	6.9		58		11		3.5	4.6	2.2		None	-	-	-	16.7	18.9	20	25
												E06	6	1	7.2	16.7	18.9	20	25
												E08	9	1	10.8	19.3	22	20	25
												E15	15	2	18	28.3	31	30	35
												E20	20	2	24.1	35.9	38.6	40	40
												E23	24	2	28.9	41.9	44.6	45	45
	575-3-60	5.8		47.8		9		3.5	3.5	1.8		None	-	-	-	13.6	15.4	15	20
												E08	9	1	8.7	15.3	17.5	20	20
												E15	15	2	14.4	22.4	24.6	25	25
												E20	20	2	19.2	28.4	30.6	30	35
												E23	24	2	23.1	33.3	35.5	35	40

KT037-150 standard indoor blower - without powered convenience outlet

Size (ton)	Volt	Compressors (each)						OD fan motors (each)	Supply blower motor	Power exhaust motor	Power convenience outlet	Electric heat option				MCA[1] (Amp)	MCA[1] with power exhaust (Amp)	Max fuse[2]/ breaker[3] size (Amp)	Max fuse[2]/ breaker[3] size with power exhaust (Amp)
		RLA		LRA		MCC													
		C1	C2	C1	C2	C1	C2	FLA	FLA	FLA	FLA	Model	kW	Stages	Amp				
078 (6)	208-3-60	9.9	9.9	82	82	15	15	3.5	9	5.5		None	-	-	-	45.3	50.8	50	60
												E09	6.8	1	18.9	45.3	50.8	50	60
												E18	14	2	37.5	58.1	65	60	70
												E24	18	2	50	73.8	80.6	80	90
												E36	26	2	70.8	99.8	106.6	100	110
	230-3-60	9.9	9.9	82	82	15	15	3.5	9	5.5		None	-	-	-	45.3	50.8	50	60
												E09	9	1	21.7	45.3	50.8	50	60
												E18	18	2	43.3	65.4	72.3	70	80
												E24	24	2	57.7	83.4	90.3	90	100
												E36	34	2	81.8	113.5	120.4	125	125
	460-3-60	4.8	4.8	44.3	44.3	8	8	1.6	4.6	2.2		None	-	-	-	21.8	24	25	25
												E09	9	1	10.8	21.8	24	25	25
												E18	18	2	21.7	32.9	35.6	35	40
												E24	24	2	28.9	41.9	44.6	45	45
												E36	34	2	40.9	56.9	59.6	60	60
090 (7.5)	208-3-60	9.9	11.9	82	112	15	19	3.5	9	5.5		None	-	-	-	47.8	53.3	50	60
												E09	6.8	1	18.9	47.8	53.3	50	60
												E18	14	2	37.5	58.1	65	60	70
												E24	18	2	50	73.8	80.6	80	90
												E36	26	2	70.8	99.8	106.6	100	110
	230-3-60	9.9	11.9	82	112	15	19	3.5	9	5.5		None	-	-	-	47.8	53.3	50	60
												E09	9	1	21.7	47.8	53.3	50	60
												E18	18	2	43.3	65.4	72.3	70	80
												E24	24	2	57.7	83.4	90.3	90	100
												E36	34	2	81.8	113.5	120.4	125	125
	460-3-60	4.8	6.8	44.3	61.8	8	11	1.6	4.6	2.2		None	-	-	-	24.3	26.5	30	30
												E09	9	1	10.8	24.3	26.5	30	30
												E18	18	2	21.7	32.9	35.6	35	40
												E24	24	2	28.9	41.9	44.6	45	45
												E36	34	2	40.9	56.9	59.6	60	60
102 (8.5)	208-3-60	11.9	11.9	112	112	19	19	3.5	9	5.5		None	-	-	-	49.8	55.3	60	60
												E09	6.8	1	18.9	49.8	55.3	60	60
												E18	14	2	37.5	58.1	65	60	70
												E24	18	2	50	73.8	80.6	80	90
												E36	26	2	70.8	99.8	106.6	100	110
	230-3-60	11.9	11.9	112	112	19	19	3.5	9	5.5		None	-	-	-	49.8	55.3	60	60
												E09	9	1	21.7	49.8	55.3	60	60
												E18	18	2	43.3	65.4	72.3	70	80
												E24	24	2	57.7	83.4	90.3	90	100
												E36	34	2	81.8	113.5	120.4	125	125
	460-3-60	6.8	6.8	61.8	61.8	11	11	1.6	4.6	2.2		None	-	-	-	26.3	28.5	30	35
												E09	9	1	10.8	26.3	28.5	30	35
												E18	18	2	21.7	32.9	35.6	35	40
												E24	24	2	28.9	41.9	44.6	45	45
												E36	34	2	40.9	56.9	59.6	60	60
120 (10)	208-3-60	14	14	150	150	22	22	3.5	9	5.5		None	-	-	-	54.5	60	60	70
												E18	14	2	37.5	58.1	65	60	70
												E24	18	2	50	73.8	80.6	80	90
												E36	26	2	70.8	99.8	106.6	100	110
												E54	41	2	113	152.1	159	175	175
	230-3-60	14	14	150	150	22	22	3.5	9	5.5		None	-	-	-	54.5	60	60	70
												E18	18	2	43.3	65.4	72.3	70	80
												E24	24	2	57.7	83.4	90.3	90	100
												E36	34	2	81.8	113.5	120.4	125	125
												E54	54	2	130	141.2	148	175	175
	460-3-60	6.3	6.3	58	58	10	10	1.6	4.6	2.2		None	-	-	-	25.2	27.4	30	30
												E18	18	2	21.7	32.9	35.6	35	40
												E24	24	2	28.9	41.9	44.6	45	45
												E36	34	2	40.9	56.9	59.6	60	60
												E54	54	2	65	70.8	73.5	80	80

KT037-150 standard indoor blower - without powered convenience outlet

Size (ton)	Volt	Compressors (each)						OD fan motors (each)	Supply blower motor	Power exhaust motor	Power convenience outlet	Electric heat option				MCA[1] (Amp)	MCA[1] with power exhaust (Amp)	Max fuse[2]/ breaker[3] size (Amp)	Max fuse[2]/ breaker[3] size with power exhaust (Amp)
		RLA		LRA		MCC													
		C1	C2	C1	C2	C1	C2	FLA	FLA	FLA	FLA	Model	kW	Stages	Amp				
150 (12.5)	208-3-60	19.2	19.2	162	162	30	30	3.5	13.2	5.5		None	-	-	-	70.4	75.9	80	90
												E18	14	2	37.5	70.4	75.9	80	90
												E24	18	2	50	79	85.9	80	90
												E36	26	2	70.8	105	111.9	110	125
												E54	41	2	113	157.4	164.3	175	175
	230-3-60	19.2	19.2	162	162	30	30	3.5	13.2	5.5		None	-	-	-	70.4	75.9	80	90
												E18	18	2	43.3	70.6	77.5	80	90
												E24	24	2	57.7	88.6	95.5	90	100
												E36	34	2	81.8	118.8	125.6	125	150
												E54	54	2	130	146.4	153.3	175	175
	460-3-60	9.1	9.1	70.8	70.8	14	14	1.6	6.1	2.2		None	-	-	-	33	35.2	40	40
												E18	18	2	21.7	34.8	37.5	40	40
												E24	24	2	28.9	43.8	46.5	45	50
												E36	34	2	40.9	58.8	61.5	60	70
												E54	54	2	65	72.6	75.4	80	90

1. Minimum Circuit Ampacity.
2. Dual Element, Time Delay Type.
3. HACR type per NEC.

KT037-150 standard indoor blower - with powered convenience outlet

Size (ton)	Volt	Compressors (each)						OD fan motors (each)	Supply blower motor	Power exhaust motor	Power convenience outlet	Electric heat option				MCA[1] (Amp)	MCA[1] with power exhaust (Amp)	Max fuse[2]/ breaker[3] size (Amp)	Max fuse[2]/ breaker[3] size with power exhaust (Amp)
		RLA		LRA		MCC													
		C1	C2	C1	C2	C1	C2	FLA	FLA	FLA	FLA	Model	kW	Stages	Amp				
037 (3)	208-3-60	9.9		82		15		3.5	9	5.5	20	None	-	-	-	38.4	43.9	45	50
												E03	2.3	1	6.4	38.4	43.9	45	50
												E06	4.5	1	12.5	39.4	46.3	45	50
												E08	6.8	1	18.9	47.4	54.3	50	60
												E15	11.3	2	31.4	63	69.9	70	70
	230-3-60	9.9		82		15		3.5	9	5.5	20	None	-	-	-	38.4	43.9	45	50
												E03	3	1	7.2	38.4	43.9	45	50
												E06	6	1	14.4	41.8	48.6	45	50
												E08	9	1	21.7	50.9	57.8	60	60
												E15	15	2	36.1	68.9	75.8	70	80
	460-3-60	4.8		44.3		8		1.6	4.6	2.2	20	None	-	-	-	18.9	21.1	20	25
												E03	3	1	3.6	18.9	21.1	20	25
												E06	6	1	7.2	21	23.8	25	25
												E08	9	1	10.8	25.5	28.3	30	30
												E15	15	2	18	34.5	37.3	35	40
	575-3-60	3.5		28.7		6		3.5	3.5	1.8	20	None	-	-	-	14.8	16.6	15	20
												E08	9	1	8.7	20.3	22.5	25	25
												E15	15	2	14.4	27.4	29.6	30	30
049 (4)	208-3-60	11.9		112		19		3.5	9	5.5	20	None	-	-	-	40.9	46.4	50	50
												E06	4.5	1	12.5	40.9	46.4	50	50
												E08	6.8	1	18.9	47.4	54.3	50	60
												E15	11.3	2	31.4	63	69.9	70	70
												E20	15	2	41.6	75.8	82.6	80	90
	230-3-60	11.9		112		19		3.5	9	5.5	20	None	-	-	-	40.9	46.4	50	50
												E06	6	1	14.4	41.8	48.6	50	50
												E08	9	1	21.7	50.9	57.8	60	60
												E15	15	2	36.1	68.9	75.8	70	80
												E20	20	2	48.1	83.9	90.8	90	100
	460-3-60	6.8		61.8		11		3.5	4.6	2.2	20	None	-	-	-	21.6	23.8	25	30
												E06	6	1	7.2	21.6	23.8	25	30
												E08	9	1	10.8	25.5	28.3	30	30
												E15	15	2	18	34.5	37.3	35	40
												E20	20	2	24.1	42.1	44.9	45	45
	575-3-60	4.8		39		8		3.5	3.5	1.8	20	None	-	-	-	16.3	18.1	20	20
												E08	9	1	8.7	20.3	22.5	25	25
												E15	15	2	14.4	27.4	29.6	30	30
												E20	20	2	19.2	33.4	35.6	35	40
061 (5)	208-3-60	13.8		150		22		3.5	9	5.5	20	None	-	-	-	43.3	48.8	50	60
												E06	4.5	1	12.5	43.3	48.8	50	60
												E08	6.8	1	18.9	47.4	54.3	50	60
												E15	11.3	2	31.4	63	69.9	70	70
												E20	15	2	41.6	75.8	82.6	80	90
												E23	18	2	50	86.3	93.1	90	100
	230-3-60	13.8		150		22		3.5	9	5.5	20	None	-	-	-	43.3	48.8	50	60
												E06	6	1	14.4	43.3	48.8	50	60
												E08	9	1	21.7	50.9	57.8	60	60
												E15	15	2	36.1	68.9	75.8	70	80
												E20	20	2	48.1	83.9	90.8	90	100
												E23	24	2	57.7	95.9	102.8	100	110
	460-3-60	6.9		58		11		3.5	4.6	2.2	20	None	-	-	-	21.7	23.9	25	30
												E06	6	1	7.2	21.7	23.9	25	30
												E08	9	1	10.8	25.5	28.3	30	30
												E15	15	2	18	34.5	37.3	35	40
												E20	20	2	24.1	42.1	44.9	45	45
												E23	24	2	28.9	48.1	50.9	50	60
	575-3-60	5.8		47.8		9		3.5	3.5	1.8	20	None	-	-	-	17.6	19.4	20	25
												E08	9	1	8.7	20.3	22.5	25	25
												E15	15	2	14.4	27.4	29.6	30	30
												E20	20	2	19.2	33.4	35.6	35	40
												E23	24	2	23.1	38.3	40.5	40	45

KT037-150 standard indoor blower - with powered convenience outlet

Size (ton)	Volt	Compressors (each)						OD fan motors (each)	Supply blower motor	Power exhaust motor	Power convenience outlet	Electric heat option				MCA[1] (Amp)	MCA[1] with power exhaust (Amp)	Max fuse[2]/ breaker[3] size (Amp)	Max fuse[2]/ breaker[3] size with power exhaust (Amp)
		RLA		LRA		MCC													
		C1	C2	C1	C2	C1	C2	FLA	FLA	FLA	FLA	Model	kW	Stages	Amp				
078 (6)	208-3-60	9.9	9.9	82	82	15	15	3.5	9	5.5	20	None	-	-	-	55.3	60.8	60	70
												E09	6.8	1	18.9	55.3	60.8	60	70
												E18	13.5	2	37.5	70.6	77.5	80	80
												E24	18	2	50	86.3	93.1	90	100
												E36	25.5	2	70.8	112.3	119.1	125	125
	230-3-60	9.9	9.9	82	82	15	15	3.5	9	5.5	20	None	-	-	-	55.3	60.8	60	70
												E09	9	1	21.7	55.3	60.8	60	70
												E18	18	2	43.3	77.9	84.8	80	90
												E24	24	2	57.7	95.9	102.8	100	110
												E36	34	2	81.8	126	132.9	150	150
	460-3-60	4.8	4.8	44.3	44.3	8	8	1.6	4.6	2.2	20	None	-	-	-	26.9	29.1	30	30
												E09	9	1	10.8	26.9	29.1	30	30
												E18	18	2	21.7	39.1	41.9	40	45
												E24	24	2	28.9	48.1	50.9	50	60
												E36	34	2	40.9	63.1	65.9	70	70
090 (7.5)	208-3-60	9.9	11.9	82	112	15	19	3.5	9	5.5	20	None	-	-	-	57.8	63.3	60	70
												E09	6.8	1	18.9	57.8	63.3	60	70
												E18	13.5	2	37.5	70.6	77.5	80	80
												E24	18	2	50	86.3	93.1	90	100
												E36	25.5	2	70.8	112.3	119.1	125	125
	230-3-60	9.9	11.9	82	112	15	19	3.5	9	5.5	20	None	-	-	-	57.8	63.3	60	70
												E09	9	1	21.7	57.8	63.3	60	70
												E18	18	2	43.3	77.9	84.8	80	90
												E24	24	2	57.7	95.9	102.8	100	110
												E36	34	2	81.8	126	132.9	150	150
	460-3-60	4.8	6.8	44.3	61.8	8	11	1.6	4.6	2.2	20	None	-	-	-	29.3	31.5	35	35
												E09	9	1	10.8	29.3	31.5	35	35
												E18	18	2	21.7	39.1	41.9	40	45
												E24	24	2	28.9	48.1	50.9	50	60
												E36	34	2	40.9	63.1	65.9	70	70
102 (8.5)	208-3-60	11.9	11.9	112	112	19	19	3.5	9	5.5	20	None	-	-	-	59.8	65.3	70	70
												E09	6.8	1	18.9	59.8	65.3	70	70
												E18	13.5	2	37.5	70.6	77.5	80	80
												E24	18	2	50	86.3	93.1	90	100
												E36	25.5	2	70.8	112.3	119.1	125	125
	230-3-60	11.9	11.9	112	112	19	19	3.5	9	5.5	20	None	-	-	-	59.8	65.3	70	70
												E09	9	1	21.7	59.8	65.3	70	70
												E18	18	2	43.3	77.9	84.8	80	90
												E24	24	2	57.7	95.9	102.8	100	110
												E36	34	2	81.8	126	132.9	150	150
	460-3-60	6.8	6.8	61.8	61.8	11	11	1.6	4.6	2.2	20	None	-	-	-	31.3	33.5	35	40
												E09	9	1	10.8	31.3	33.5	35	40
												E18	18	2	21.7	39.1	41.9	40	45
												E24	24	2	28.9	48.1	50.9	50	60
												E36	34	2	40.9	63.1	65.9	70	70
120 (10)	208-3-60	14	14	150	150	22	22	3.5	9	5.5	20	None	-	-	-	64.5	70	70	80
												E18	13.5	2	37.5	70.6	77.5	80	80
												E24	18	2	50	86.3	93.1	90	100
												E36	25.5	2	70.8	112.3	119.1	125	125
												E54	40.6	2	112.7	164.6	171.5	175	175
	230-3-60	14	14	150	150	22	22	3.5	9	5.5	20	None	-	-	-	64.5	70	70	80
												E18	18	2	43.3	77.9	84.8	80	90
												E24	24	2	57.7	95.9	102.8	100	110
												E36	34	2	81.8	126	132.9	150	150
												E54	54	2	129.9	153.7	160.5	175	175
	460-3-60	6.3	6.3	58	58	10	10	1.6	4.6	2.2	20	None	-	-	-	30.2	32.4	35	35
												E18	18	2	21.7	39.1	41.9	40	45
												E24	24	2	28.9	48.1	50.9	50	60
												E36	34	2	40.9	63.1	65.9	70	70
												E54	54	2	65	77	79.8	90	90

KT037-150 standard indoor blower - with powered convenience outlet

Size (ton)	Volt	Compressors (each)						OD fan motors (each)	Supply blower motor	Power exhaust motor	Power convenience outlet	Electric heat option				MCA[1] (Amp)	MCA[1] with power exhaust (Amp)	Max fuse[2]/ breaker[3] size (Amp)	Max fuse[2]/ breaker[3] size with power exhaust (Amp)
		RLA		LRA		MCC													
		C1	C2	C1	C2	C1	C2	FLA	FLA	FLA	FLA	Model	kW	Stages	Amp				
150 (12.5)	208-3-60	19.2	19.2	162.3	162.3	30	30	3.5	13.2	5.5	20	None	-	-	-	80.4	85.9	90	100
												E18	13.5	2	37.5	80.4	85.9	90	100
												E24	18	2	50	91.5	98.4	100	100
												E36	25.5	2	70.8	117.5	124.4	125	125
												E54	40.6	2	112.7	169.9	176.8	175	200
	230-3-60	19.2	19.2	162.3	162.3	30	30	3.5	13.2	5.5	20	None	-	-	-	80.4	85.9	90	100
												E18	18	2	43.3	83.1	90	90	100
												E24	24	2	57.7	101.1	108	110	110
												E36	34	2	81.8	131.3	138.1	150	150
												E54	54	2	129.9	158.9	165.8	175	175
	460-3-60	9.1	9.1	70.8	70.8	14	14	1.6	6.1	2.2	20	None	-	-	-	38	40.2	45	45
												E18	18	2	21.7	41	43.8	45	45
												E24	24	2	28.9	50	52.8	50	60
												E36	34	2	40.9	65	67.8	70	70
												E54	54	2	65	78.9	81.6	90	90

1. Minimum Circuit Ampacity.
2. Dual Element, Time Delay Type.
3. HACR type per NEC.

KT037-150 Hi-static indoor blower - without powered convenience outlet

Size (ton)	Volt	Compressors (each)						OD fan motors (each)	Supply blower motor	Power exhaust motor	Power convenience outlet	Electric heat option				MCA[1] (Amp)	MCA[1] with power exhaust (Amp)	Max fuse[2]/ breaker[3] size (Amp)	Max fuse[2]/ breaker[3] size with power exhaust (Amp)
		RLA		LRA		MCC													
		C1	C2	C1	C2	C1	C2	FLA	FLA	FLA	FLA	Model	kW	Stages	Amp				
037 (3)	208-3-60	9.9		82		15		3.5	9	5.5		None	-	-	-	28.4	33.9	35	40
												E03	2.3	1	6.4	28.4	33.9	35	40
												E06	4.5	1	12.5	28.4	33.9	35	40
												E08	6.8	1	18.9	34.9	41.8	35	45
												E15	11.3	2	31.4	50.5	57.4	60	60
	230-3-60	9.9		82		15		3.5	9	5.5		None	-	-	-	28.4	33.9	35	40
												E03	3	1	7.2	28.4	33.9	35	40
												E06	6	1	14.4	29.3	36.1	35	40
												E08	9	1	21.7	38.4	45.3	40	50
												E15	15	2	36.1	56.4	63.3	60	70
	460-3-60	4.8		44.3		8		1.6	4.6	2.2		None	-	-	-	13.8	16	15	20
												E03	3	1	3.6	13.8	16	15	20
												E06	6	1	7.2	14.8	17.5	15	20
												E08	9	1	10.8	19.3	22	20	25
												E15	15	2	18	28.3	31	30	35
	575-3-60	3.5		28.7		6		3.5	3.5	1.8		None	-	-	-	10.7	12.5	15	15
												E08	9	1	8.7	15.3	17.5	20	20
												E15	15	2	14.4	22.4	24.6	25	25
049 (4)	208-3-60	11.9		112		19		3.5	9	5.5		None	-	-	-	30.9	36.4	40	45
												E06	4.5	1	12.5	30.9	36.4	40	45
												E08	6.8	1	18.9	34.9	41.8	40	45
												E15	11.3	2	31.4	50.5	57.4	60	60
												E20	15	2	41.6	63.3	70.1	70	80
	230-3-60	11.9		112		19		3.5	9	5.5		None	-	-	-	30.9	36.4	40	45
												E06	6	1	14.4	30.9	36.4	40	45
												E08	9	1	21.7	38.4	45.3	40	50
												E15	15	2	36.1	56.4	63.3	60	70
												E20	20	2	48.1	71.4	78.3	80	80
	460-3-60	6.8		61.8		11		3.5	4.6	2.2		None	-	-	-	16.6	18.8	20	25
												E06	6	1	7.2	16.6	18.8	20	25
												E08	9	1	10.8	19.3	22	20	25
												E15	15	2	18	28.3	31	30	35
												E20	20	2	24.1	35.9	38.6	40	40
	575-3-60	4.8		39		8		3.5	3.5	1.8		None	-	-	-	12.3	14.1	15	15
												E08	9	1	8.7	15.3	17.5	20	20
												E15	15	2	14.4	22.4	24.6	25	25
												E20	20	2	19.2	28.4	30.6	30	35

KT037-150 Hi-static indoor blower - without powered convenience outlet

Size (ton)	Volt	Compressors (each)						OD fan motors (each)	Supply blower motor	Power exhaust motor	Power convenience outlet	Electric heat option				MCA[1] (Amp)	MCA[1] with power exhaust (Amp)	Max fuse[2]/ breaker[3] size (Amp)	Max fuse[2]/ breaker[3] size with power exhaust (Amp)
		RLA		LRA		MCC													
		C1	C2	C1	C2	C1	C2	FLA	FLA	FLA	FLA	Model	kW	Stages	Amp				
061 (5)	208-3-60	13.8		150		22		3.5	9	5.5		None	-	-	-	33.3	38.8	45	50
												E06	4.5	1	12.5	33.3	38.8	45	50
												E08	6.8	1	18.9	34.9	41.8	45	50
												E15	11.3	2	31.4	50.5	57.4	60	60
												E20	15	2	41.6	63.3	70.1	70	80
												E23	18	2	50	73.8	80.6	80	90
	230-3-60	13.8		150		22		3.5	9	5.5		None	-	-	-	33.3	38.8	45	50
												E06	6	1	14.4	33.3	38.8	45	50
												E08	9	1	21.7	38.4	45.3	45	50
												E15	15	2	36.1	56.4	63.3	60	70
												E20	20	2	48.1	71.4	78.3	80	80
												E23	24	2	57.7	83.4	90.3	90	100
	460-3-60	6.9		58		11		3.5	4.6	2.2		None	-	-	-	16.7	18.9	20	25
												E06	6	1	7.2	16.7	18.9	20	25
												E08	9	1	10.8	19.3	22	20	25
												E15	15	2	18	28.3	31	30	35
												E20	20	2	24.1	35.9	38.6	40	40
												E23	24	2	28.9	41.9	44.6	45	45
	575-3-60	5.8		47.8		9		3.5	3.5	1.8		None	-	-	-	13.6	15.4	15	20
												E08	9	1	8.7	15.3	17.5	20	20
												E15	15	2	14.4	22.4	24.6	25	25
												E20	20	2	19.2	28.4	30.6	30	35
												E23	24	2	23.1	33.3	35.5	35	40
078 (6)	208-3-60	9.9	9.9	82	82	15	15	3.5	9	5.5		None	-	-	-	45.3	50.8	50	60
												E09	6.8	1	18.9	45.3	50.8	50	60
												E18	13.5	2	37.5	58.1	65	60	70
												E24	18	2	50	73.8	80.6	80	90
												E36	25.5	2	70.8	99.8	106.6	100	110
	230-3-60	9.9	9.9	82	82	15	15	3.5	9	5.5		None	-	-	-	45.3	50.8	50	60
												E09	9	1	21.7	45.3	50.8	50	60
												E18	18	2	43.3	65.4	72.3	70	80
												E24	24	2	57.7	83.4	90.3	90	100
												E36	34	2	81.8	113.5	120.4	125	125
	460-3-60	4.8	4.8	44.3	44.3	8	8	1.6	4.6	2.2		None	-	-	-	21.8	24	25	25
												E09	9	1	10.8	21.8	24	25	25
												E18	18	2	21.7	32.9	35.6	35	40
												E24	24	2	28.9	41.9	44.6	45	45
												E36	34	2	40.9	56.9	59.6	60	60
090 (7.5)	208-3-60	9.9	11.9	82	112	15	19	3.5	13.2	5.5		None	-	-	-	52.3	57.8	60	70
												E09	6.8	1	18.9	52.3	57.8	60	70
												E18	13.5	2	37.5	63.4	70.3	70	80
												E24	18	2	50	79	85.9	80	90
												E36	25.5	2	70.8	105	111.9	110	125
	230-3-60	9.9	11.9	82	112	15	19	3.5	13.2	5.5		None	-	-	-	52.3	57.8	60	70
												E09	9	1	21.7	52.3	57.8	60	70
												E18	18	2	43.3	70.6	77.5	80	80
												E24	24	2	57.7	88.6	95.5	90	100
												E36	34	2	81.8	118.8	125.6	125	150
	460-3-60	4.8	6.8	44.3	61.8	8	11	1.6	6.1	2.2		None	-	-	-	25.8	28	30	30
												E09	9	1	10.8	25.8	28	30	30
												E18	18	2	21.7	34.8	37.5	35	40
												E24	24	2	28.9	43.8	46.5	45	50
												E36	34	2	40.9	58.8	61.5	60	70

KT037-150 Hi-static indoor blower - without powered convenience outlet

Size (ton)	Volt	Compressors (each)						OD fan motors (each)	Supply blower motor	Power exhaust motor	Power convenience outlet	Electric heat option				MCA[1] (Amp)	MCA[1] with power exhaust (Amp)	Max fuse[2]/ breaker[3] size (Amp)	Max fuse[2]/ breaker[3] size with power exhaust (Amp)
		RLA		LRA		MCC													
		C1	C2	C1	C2	C1	C2	FLA	FLA	FLA	FLA	Model	kW	Stages	Amp				
102 (8.5)	208-3-60	11.9	11.9	112	112	19	19	3.5	13.2	5.5		None	-	-	-	54.3	59.8	60	70
												E09	6.8	1	18.9	54.3	59.8	60	70
												E18	13.5	2	37.5	63.4	70.3	70	80
												E24	18	2	50	79	85.9	80	90
												E36	25.5	2	70.8	105	111.9	110	125
	230-3-60	11.9	11.9	112	112	19	19	3.5	13.2	5.5		None	-	-	-	54.3	59.8	60	70
												E09	9	1	21.7	54.3	59.8	60	70
												E18	18	2	43.3	70.6	77.5	80	80
												E24	24	2	57.7	88.6	95.5	90	100
												E36	34	2	81.8	118.8	125.6	125	150
	460-3-60	6.8	6.8	61.8	61.8	11	11	1.6	6.1	2.2		None	-	-	-	27.8	30	30	35
												E09	9	1	10.8	27.8	30	30	35
												E18	18	2	21.7	34.8	37.5	35	40
												E24	24	2	28.9	43.8	46.5	45	50
												E36	34	2	40.9	58.8	61.5	60	70
120 (10)	208-3-60	14	14	150	150	22	22	3.5	13.2	5.5		None	-	-	-	58.7	64.2	70	70
												E18	13.5	2	37.5	63.4	70.3	70	80
												E24	18	2	50	79	85.9	80	90
												E36	25.5	2	70.8	105	111.9	110	125
												E54	40.6	2	112.7	157.4	164.3	175	175
	230-3-60	14	14	150	150	22	22	3.5	13.2	5.5		None	-	-	-	58.7	64.2	70	70
												E18	18	2	43.3	70.6	77.5	80	80
												E24	24	2	57.7	88.6	95.5	90	100
												E36	34	2	81.8	118.8	125.6	125	150
												E54	54	2	129.9	146.4	153.3	175	175
	460-3-60	6.3	6.3	58	58	10	10	1.6	6.1	2.2		None	-	-	-	26.7	28.9	30	35
												E18	18	2	21.7	34.8	37.5	35	40
												E24	24	2	28.9	43.8	46.5	45	50
												E36	34	2	40.9	58.8	61.5	60	70
												E54	54	2	65	72.6	75.4	80	90
150 (12.5)	208-3-60	19.2	19.2	162.3	162.3	30	30	3.5	20.4	5.5		None	-	-	-	77.9	83.4	90	100
												E18	13.5	2	37.5	77.9	83.4	90	100
												E24	18	2	50	88	94.9	90	100
												E36	25.5	2	70.8	114	120.9	125	125
												E54	40.6	2	112.7	166.4	173.3	175	175
	230-3-60	19.2	19.2	162.3	162.3	30	30	3.5	20.4	5.5		None	-	-	-	77.9	83.4	90	100
												E18	18	2	43.3	79.6	86.5	90	100
												E24	24	2	57.7	97.6	104.5	100	110
												E36	34	2	81.8	127.8	134.6	150	150
												E54	54	2	129.9	155.4	162.3	175	175
	460-3-60	9.1	9.1	70.8	70.8	14	14	1.6	9.9	2.2		None	-	-	-	37	39.2	45	45
												E18	18	2	21.7	39.5	42.3	45	45
												E24	24	2	28.9	48.5	51.3	50	60
												E36	34	2	40.9	63.5	66.3	70	70
												E54	54	2	65	77.4	80.1	90	90

1. Minimum Circuit Ampacity.
2. Dual Element, Time Delay Type.
3. HACR type per NEC.

KT037-150 Hi-static indoor blower - with powered convenience outlet

Size (ton)	Volt	Compressors (each)						OD fan motors (each)	Supply blower motor	Power exhaust motor	Power convenience outlet	Electric heat option				MCA[1] (Amp)	MCA[1] with power exhaust (Amp)	Max fuse[2]/ breaker[3] size (Amp)	Max fuse[2]/ breaker[3] size with power exhaust (Amp)
		RLA		LRA		MCC													
		C1	C2	C1	C2	C1	C2	FLA	FLA	FLA	FLA	Model	kW	Stages	Amp				
037 (3)	208-3-60	9.9		82		15		3.5	9	5.5	20	None	-	-	-	38.4	43.9	45	50
												E03	2.3	1	6.4	38.4	43.9	45	50
												E06	4.5	1	12.5	39.4	46.3	45	50
												E08	6.8	1	18.9	47.4	54.3	50	60
												E15	11	2	31.4	63	69.9	70	70
	230-3-60	9.9		82		15		3.5	9	5.5	20	None	-	-	-	38.4	43.9	45	50
												E03	3	1	7.2	38.4	43.9	45	50
												E06	6	1	14.4	41.8	48.6	45	50
												E08	9	1	21.7	50.9	57.8	60	60
												E15	15	2	36.1	68.9	75.8	70	80
	460-3-60	4.8		44.3		8		1.6	4.6	2.2	20	None	-	-	-	18.9	21.1	20	25
												E03	3	1	3.6	18.9	21.1	20	25
												E06	6	1	7.2	21	23.8	25	25
												E08	9	1	10.8	25.5	28.3	30	30
												E15	15	2	18	34.5	37.3	35	40
	575-3-60	3.5		28.7		6		3.5	3.5	1.8	20	None	-	-	-	14.8	16.6	15	20
												E08	9	1	8.7	20.3	22.5	25	25
												E15	15	2	14.4	27.4	29.6	30	30
049 (4)	208-3-60	11.9		112		19		3.5	9	5.5	20	None	-	-	-	40.9	46.4	50	50
												E06	4.5	1	12.5	40.9	46.4	50	50
												E08	6.8	1	18.9	47.4	54.3	50	60
												E15	11	2	31.4	63	69.9	70	70
												E20	15	2	41.6	75.8	82.6	80	90
	230-3-60	11/9		112		19		3.5	9	5.5	20	None	-	-	-	40.9	46.4	50	50
												E06	6	1	14.4	41.8	48.6	50	50
												E08	9	1	21.7	50.9	57.8	60	60
												E15	15	2	36.1	68.9	75.8	70	80
												E20	20	2	48.1	83.9	90.8	90	100
	460-3-60	6.8		61.8		11		3.5	4.6	2.2	20	None	-	-	-	21.6	23.8	25	30
												E06	6	1	7.2	21.6	23.8	25	30
												E08	9	1	10.8	25.5	28.3	30	30
												E15	15	2	18	34.5	37.3	35	40
												E20	20	2	24.1	42.1	44.9	45	45
	575-3-60	4.8		39		8		3.5	3.5	1.8	20	None	-	-	-	16.3	18.1	20	20
												E08	9	1	8.7	20.3	22.5	25	25
												E15	15	2	14.4	27.4	29.6	30	30
												E20	20	2	19.2	33.4	35.6	35	40

KT037-150 Hi-static indoor blower - with powered convenience outlet

Size (ton)	Volt	Compressors (each)						OD fan motors (each)	Supply blower motor	Power exhaust motor	Power convenience outlet	Electric heat option				MCA[1] (Amp)	MCA[1] with power exhaust (Amp)	Max fuse[2]/ breaker[3] size (Amp)	Max fuse[2]/ breaker[3] size with power exhaust (Amp)
		RLA		LRA		MCC													
		C1	C2	C1	C2	C1	C2	FLA	FLA	FLA	FLA	Model	kW	Stages	Amp				
061 (5)	208-3-60	13.8		150		22		3.5	9	5.5	20	None	-	-	-	43.3	48.8	50	60
												E06	4.5	1	12.5	43.3	48.8	50	60
												E08	6.8	1	18.9	47.4	54.3	50	60
												E15	11	2	31.4	63	69.9	70	70
												E20	15	2	41.6	75.8	82.6	80	90
												E23	18	2	50	86.3	93.1	90	100
	230-3-60	13.8		150		22		3.5	9	5.5	20	None	-	-	-	43.3	48.8	50	60
												E06	6	1	14.4	43.3	48.8	50	60
												E08	9	1	21.7	50.9	57.8	60	60
												E15	15	2	36.1	68.9	75.8	70	80
												E20	20	2	48.1	83.9	90.8	90	100
												E23	24	2	57.7	95.9	103	100	110
	460-3-60	6.9		58		11		3.5	4.6	2.2	20	None	-	-	-	21.7	23.9	25	30
												E06	6	1	7.2	21.7	23.9	25	30
												E08	9	1	10.8	25.5	28.3	30	30
												E15	15	2	18	34.5	37.3	35	40
												E20	20	2	24.1	42.1	44.9	45	45
												E23	24	2	28.9	48.1	50.9	50	60
	575-3-60	5.8		47.8		9		3.5	3.5	1.8	20	None	-	-	-	17.6	19.4	20	25
												E08	9	1	8.7	20.3	22.5	25	25
												E15	15	2	14.4	27.4	29.6	30	30
												E20	20	2	19.2	33.4	35.6	35	40
												E23	24	2	23.1	38.3	40.5	40	45
078 (6)	208-3-60	9.9	9.9	82	82	15	15	3.5	9	5.5	20	None	-	-	-	55.3	60.8	60	70
												E09	6.8	1	18.9	55.3	60.8	60	70
												E18	14	2	37.5	70.6	77.5	80	80
												E24	18	2	50	86.3	93.1	90	100
												E36	26	2	70.8	112	119	125	125
	230-3-60	9.9	9.9	82	82	15	15	3.5	9	5.5	20	None	-	-	-	55.3	60.8	60	70
												E09	9	1	21.7	55.3	60.8	60	70
												E18	18	2	43.3	77.9	84.8	80	90
												E24	24	2	57.7	95.9	103	100	110
												E36	34	2	81.8	126	133	150	150
	460-3-60	4.8	4.8	44.3	44.3	8	8	1.6	4.6	2.2	20	None	-	-	-	26.9	29.1	30	30
												E09	9	1	10.8	26.9	29.1	30	30
												E18	18	2	21.7	39.1	41.9	40	45
												E24	24	2	28.9	48.1	50.9	50	60
												E36	34	2	40.9	63.1	65.9	70	70
090 (7.5)	208-3-60	9.9	12	82	112	15	19	3.5	13.2	5.5	20	None	-	-	-	62.3	67.8	70	80
												E09	6.8	1	18.9	62.3	67.8	70	80
												E18	14	2	37.5	75.9	82.8	80	90
												E24	18	2	50	91.5	98.4	100	100
												E36	26	2	70.8	118	124	125	125
	230-3-60	9.9	12	82	112	15	19	3.5	13.2	5.5	20	None	-	-	-	62.3	67.8	70	80
												E09	9	1	21.7	62.3	67.8	70	80
												E18	18	2	43.3	83.1	90	90	90
												E24	24	2	57.7	101	108	110	110
												E36	34	2	81.8	131	138	150	150
	460-3-60	4.8	6.8	44.3	61.8	8	11	1.6	6.1	2.2	20	None	-	-	-	30.8	33	35	35
												E09	9	1	10.8	30.8	33	35	35
												E18	18	2	21.7	41	43.8	45	45
												E24	24	2	28.9	50	52.8	50	60
												E36	34	2	40.9	65	67.8	70	70

KT037-150 Hi-static indoor blower - with powered convenience outlet

Size (ton)	Volt	Compressors (each)						OD fan motors (each)	Supply blower motor	Power exhaust motor	Power convenience outlet	Electric heat option				MCA[1] (Amp)	MCA[1] with power exhaust (Amp)	Max fuse[2]/ breaker[3] size (Amp)	Max fuse[2]/ breaker[3] size with power exhaust (Amp)
		RLA		LRA		MCC													
		C1	C2	C1	C2	C1	C2	FLA	FLA	FLA	FLA	Model	kW	Stages	Amp				
102 (8.5)	208-3-60	11.9	11/9	112	112	19	19	3.5	13.2	5.5	20	None	-	-	-	64.3	69.8	70	80
												E09	6.8	1	18.9	64.3	69.8	70	80
												E18	14	2	37.5	75.9	82.8	80	90
												E24	18	2	50	91.5	98.4	100	100
												E36	26	2	70.8	118	124	125	125
	230-3-60	11.9	11.9	112	112	19	19	3.5	13.2	5.5	20	None	-	-	-	64.3	69.8	70	80
												E09	9	1	21.7	64.3	69.8	70	80
												E18	18	2	43.3	83.1	90	90	90
												E24	24	2	57.7	101	108	110	110
												E36	34	2	81.8	131	138	150	150
	460-3-60	6.8	6.8	61.8	61.8	11	11	1.6	6.1	2.2	20	None	-	-	-	32.8	35	35	40
												E09	9	1	10.8	32.8	35	35	40
												E18	18	2	21.7	41	43.8	45	45
												E24	24	2	28.9	50	52.8	50	60
												E36	34	2	40.9	65	67.8	70	70
120 (10)	208-3-60	14	14	150	150	22	22	3.5	13.2	5.5	20	None	-	-	-	68.7	74.2	80	80
												E18	14	2	37.5	75.9	82.8	80	90
												E24	18	2	50	91.5	98.4	100	100
												E36	26	2	70.8	118	124	125	125
												E54	41	2	112.7	170	177	175	200
	230-3-60	14	14	150	150	22	22	3.5	13.2	5.5	20	None	-	-	-	68.7	74.2	80	80
												E18	18	2	43.3	83.1	90	90	90
												E24	24	2	57.7	101	108	110	110
												E36	34	2	81.8	131	138	150	150
												E54	54	2	129.9	159	166	175	175
	460-3-60	6.3	6.3	58	58	10	10	1.6	6.1	2.2	20	None	-	-	-	31.7	33.9	35	40
												E18	18	2	21.7	41	43.8	45	45
												E24	24	2	28.9	50	52.8	50	60
												E36	34	2	40.9	65	67.8	70	70
												E54	54	2	65	78.9	81.6	90	90
150 (12.5)	208-3-60	19.2	19.2	162.3	162.3	30	30	3.5	20.4	5.5	20	None	-	-	-	87.9	93.4	100	110
												E18	14	2	37.5	87.9	93.4	100	110
												E24	18	2	50	101	107	110	110
												E36	26	2	70.8	127	133	150	150
												E54	41	2	112.7	179	186	200	200
	230-3-60	19.2	19.2	162.3	162.3	30	30	3.5	20.4	5.5	20	None	-	-	-	87.9	93.4	100	110
												E18	18	2	43.3	92.1	99	100	110
												E24	24	2	57.7	110	117	125	125
												E36	34	2	81.8	140	147	150	150
												E54	54	2	129.9	168	175	175	175
	460-3-60	9.1	9.1	70.8	70.8	14	14	1.6	9.9	2.2	20	None	-	-	-	42	44.2	50	50
												E18	18	2	21.7	45.8	48.5	50	50
												E24	24	2	28.9	54.8	57.5	60	60
												E36	34	2	40.9	69.8	72.5	70	80
												E54	54	2	65	83.6	86.4	90	90

1. Minimum Circuit Ampacity.
2. Dual Element, Time Delay Type.
3. HACR type per NEC.

KB078-150 Standard indoor blower - without powered convenience outlet

Size (ton)	Volt	Compressors (each)						OD fan motors (each)	Supply blower motor	Power exhaust motor	Power convenience outlet	Electric heat option				MCA[1] (Amp)	MCA[1] with power exhaust (Amp)	Max fuse[2]/ breaker[3] size (Amp)	Max fuse[2]/ breaker[3] size with power exhaust (Amp)
		RLA		LRA		MCC													
		C1	C2	C1	C2	C1	C2	FLA	FLA	FLA	FLA	Model	kW	Stages	Amp				
078 (6)	208-3-60	9.9	12.8	82	102.8	15	20	2.8	9	5.5		None	-	-	-	40.5	46	50	50
												E09	6.8	1	18.9	40.5	46	50	50
												E18	13.5	2	37.5	58.1	65	60	70
												E24	18	2	50	73.8	80.6	80	90
												E36	25.5	2	70.8	99.8	106.6	100	110
	230-3-60	9.9	12.8	82	102.8	15	20	2.8	9	5.5		None	-	-	-	40.5	46	50	50
												E09	9	1	21.7	40.5	46	50	50
												E18	18	2	43.3	65.4	72.3	70	80
												E24	24	2	57.7	83.4	90.3	90	100
												E36	34	2	81.8	113.5	120.4	125	125
	460-3-60	4.8	5.8	44.3	50	8	9	1.6	4.6	2.2		None	-	-	-	19.9	22.1	25	25
												E09	9	1	10.8	19.9	22.1	25	25
												E18	18	2	21.7	32.9	35.6	35	40
												E24	24	2	28.9	41.9	44.6	45	45
												E36	34	2	40.9	56.9	59.6	60	60
	575-3-60	3.5	5.1	28.7	41	6	8	1.2	3.5	1.8		None	-	-	-	15.8	17.6	20	20
												E09	9	1	8.7	15.8	17.6	20	20
												E18	18	2	17.3	26	28.3	30	30
												E24	24	2	23.1	33.3	35.5	35	40
												E36	34	2	32.7	45.3	47.5	50	50
090 (7.5)	208-3-60	11.9	12.8	112	102.8	19	20	2.8	9	5.5		None	-	-	-	42.5	48	50	60
												E09	6.8	1	18.9	42.5	48	50	60
												E18	13.5	2	37.5	58.1	65	60	70
												E24	18	2	50	73.8	80.6	80	90
												E36	25.5	2	70.8	99.8	106.6	100	110
	230-3-60	11.9	12.8	112	102.8	19	20	2.8	9	5.5		None	-	-	-	42.5	48	50	60
												E09	9	1	21.7	42.5	48	50	60
												E18	18	2	43.3	65.4	72.3	70	80
												E24	24	2	57.7	83.4	90.3	90	100
												E36	34	2	81.8	113.5	120.4	125	125
	460-3-60	6.8	5.8	61.8	50	11	9	1.6	4.6	2.2		None	-	-	-	22.1	24.3	25	30
												E09	9	1	10.8	22.1	24.3	25	30
												E18	18	2	21.7	32.9	35.6	35	40
												E24	24	2	28.9	41.9	44.6	45	45
												E36	34	2	40.9	56.9	59.6	60	60
	575-3-60	4.8	5.1	39	41	8	8	1.2	3.5	1.8		None	-	-	-	17.1	18.9	20	20
												E09	9	1	8.7	17.1	18.9	20	20
												E18	18	2	17.3	26	28.3	30	30
												E24	24	2	23.1	33.3	35.5	35	40
												E36	34	2	32.7	45.3	47.5	50	50

KB078-150 Standard indoor blower - without powered convenience outlet

Size (ton)	Volt	Compressors (each)						OD fan motors (each)	Supply blower motor	Power exhaust motor	Power convenience outlet	Electric heat option				MCA[1] (Amp)	MCA[1] with power exhaust (Amp)	Max fuse[2]/ breaker[3] size (Amp)	Max fuse[2]/ breaker[3] size with power exhaust (Amp)
		RLA		LRA		MCC													
		C1	C2	C1	C2	C1	C2	FLA	FLA	FLA	FLA	Model	kW	Stages	Amp				
102 (8.5)	208-3-60	11.9	12.2	112	120.4	19	19	2.8	9	5.5		None	-	-	-	41.8	47.3	50	50
												E09	6.8	1	18.9	41.8	47.3	50	50
												E18	13.5	2	37.5	58.1	65	60	70
												E24	18	2	50	73.8	80.6	80	90
												E36	25.5	2	70.8	99.8	106.6	100	110
	230-3-60	11.9	12.2	112	120.4	19	19	2.8	9	5.5		None	-	-	-	41.8	47.3	50	50
												E09	9	1	21.7	41.8	47.3	50	50
												E18	18	2	43.3	65.4	72.3	70	80
												E24	24	2	57.7	83.4	90.3	90	100
												E36	34	2	81.8	113.5	120.4	125	125
	460-3-60	6.8	6.4	61.8	50	11	10	1.6	4.6	2.2		None	-	-	-	22.7	24.9	25	30
												E09	9	1	10.8	22.7	24.9	25	30
												E18	18	2	21.7	32.9	35.6	35	40
												E24	24	2	28.9	41.9	44.6	45	45
												E36	34	2	40.9	56.9	59.6	60	60
	575-3-60	4.8	5.1	39	41	8	8	1.2	3.5	1.8		None	-	-	-	17.1	18.9	20	20
												E09	9	1	8.7	17.1	18.9	20	20
												E18	18	2	17.3	26	28.3	30	30
												E24	24	2	23.1	33.3	35.5	35	40
												E36	34	2	32.7	45.3	47.5	50	50
120 (10)	208-3-60	14	16	150	156.4	22	25	2.8	9	5.5		None	-	-	-	48.6	54.1	60	70
												E18	13.5	2	37.5	58.1	65	60	70
												E24	18	2	50	73.8	80.6	80	90
												E36	25.5	2	70.8	99.8	106.6	100	110
												E54	40.6	2	112.7	152.1	159	175	175
	230-3-60	14	16	150	156.4	22	25	2.8	9	5.5		None	-	-	-	48.6	54.1	60	70
												E18	18	2	43.3	65.4	72.3	70	80
												E24	24	2	57.7	83.4	90.3	90	100
												E36	34	2	81.8	113.5	120.4	125	125
												E54	54	2	129.9	141.2	148	175	175
	460-3-60	6.3	7.7	58	69	10	12	1.6	4.6	2.2		None	-	-	-	23.7	25.9	30	30
												E18	18	2	21.7	32.9	35.6	35	40
												E24	24	2	28.9	41.9	44.6	45	45
												E36	34	2	40.9	56.9	59.6	60	60
												E54	54	2	65	70.8	73.5	80	80
	575-3-60	5.8	6.4	47.8	47.8	9	10	1.2	3.5	1.8		None	-	-	-	19.7	21.5	25	25
												E18	18	2	17.3	26	28.3	30	30
												E24	24	2	23.1	33.3	35.5	35	40
												E36	34	2	32.7	45.3	47.5	50	50
												E54	54	2	52	56.4	58.6	60	70

KB078-150 Standard indoor blower - without powered convenience outlet

Size (ton)	Volt	Compressors (each)						OD fan motors (each)	Supply blower motor	Power exhaust motor	Power convenience outlet	Electric heat option				MCA[1] (Amp)	MCA[1] with power exhaust (Amp)	Max fuse[2]/ breaker[3] size (Amp)	Max fuse[2]/ breaker[3] size with power exhaust (Amp)
		RLA		LRA		MCC													
		C1	C2	C1	C2	C1	C2	FLA	FLA	FLA	FLA	Model	kW	Stages	Amp				
150 (12.5)	208-3-60	19.2	22.4	162.3	166.2	30	35	1.65	13.2	5.5		None	-	-	-	67	72.5	80	90
												E18	13.5	2	37.5	67	72.5	80	90
												E24	18	2	50	79	85.9	80	90
												E36	25.5	2	70.8	105	111.9	110	125
												E54	40.6	2	112.7	157.4	164.3	175	175
	230-3-60	19.2	22.4	162.3	166.2	30	35	1.65	13.2	5.5		None	-	-	-	67	72.5	80	90
												E18	18	2	43.3	70.6	77.5	80	90
												E24	24	2	57.7	88.6	95.5	90	100
												E36	34	2	81.8	118.8	125.6	125	150
												E54	54	2	129.9	146.4	153.3	175	175
	460-3-60	9.1	8.8	70.8	74.6	14	14	1.1	6.1	2.2		None	-	-	-	30.7	32.9	35	40
												E18	18	2	21.7	34.8	37.5	35	40
												E24	24	2	28.9	43.8	46.5	45	50
												E36	34	2	40.9	58.8	61.5	60	70
												E54	54	2	65	72.6	75.4	80	90
	575-3-60	6.2	7.2	58.2	54	10	11	0.65	4.9	1.8		None	-	-	-	22.7	24.5	25	30
												E18	18	2	17.3	27.8	30	30	30
												E24	24	2	23.1	35	37.3	35	40
												E36	34	2	32.7	47	49.3	50	50
												E54	54	2	52	58.1	60.4	70	70

1. Minimum Circuit Ampacity.
2. Dual Element, Time Delay Type.
3. HACR type per NEC.

KB078-150 Standard indoor blower - with powered convenience outlet

Size (ton)	Volt	Compressors (each)						OD fan motors (each)	Supply blower motor	Power exhaust motor	Power convenience outlet	Electric heat option				MCA[1] (Amp)	MCA[1] with power exhaust (Amp)	Max fuse[2]/ breaker[3] size (Amp)	Max fuse[2]/ breaker[3] size with power exhaust (Amp)
		RLA		LRA		MCC													
		C1	C2	C1	C2	C1	C2	FLA	FLA	FLA	FLA	Model	kW	Stages	Amp				
078 (6)	208-3-60	9.9	12.8	82	102.8	15	20	2.8	9	5.5	20	None	-	-	-	50.5	56	60	60
												E09	6.8	1	18.9	50.5	56	60	60
												E18	13.5	2	37.5	70.6	77.5	80	80
												E24	18	2	50	86.3	93.1	90	100
												E36	25.5	2	70.8	112.3	119.1	125	125
	230-3-60	9.9	12.8	82	102.8	15	20	2.8	9	5.5	20	None	-	-	-	50.5	56	60	60
												E09	9	1	21.7	50.9	57.8	60	60
												E18	18	2	43.3	77.9	84.8	80	90
												E24	24	2	57.7	95.9	102.8	100	110
												E36	34	2	81.8	126	132.9	150	150
	460-3-60	4.8	5.8	44.3	50	8	9	1.6	4.6	2.2	20	None	-	-	-	24.9	27.1	30	30
												E09	9	1	10.8	25.5	28.3	30	30
												E18	18	2	21.7	39.1	41.9	40	45
												E24	24	2	28.9	48.1	50.9	50	60
												E36	34	2	40.9	63.1	65.9	70	70
	575-3-60	3.5	5.1	28.7	41	6	8	1.2	3.5	1.8	20	None	-	-	-	19.8	21.6	20	25
												E09	9	1	8.7	20.3	22.5	25	25
												E18	18	2	17.3	31	33.3	35	35
												E24	24	2	23.1	38.3	40.5	40	45
												E36	34	2	32.7	50.3	52.5	60	60
090 (7.5)	208-3-60	11.9	12.8	112	102.8	19	20	2.8	9	5.5	20	None	-	-	-	52.5	58	60	70
												E09	6.8	1	18.9	52.5	58	60	70
												E18	13.5	2	37.5	70.6	77.5	80	80
												E24	18	2	50	86.3	93.1	90	100
												E36	25.5	2	70.8	112.3	119.1	125	125
	230-3-60	11.9	12.8	112	102.8	19	20	2.8	9	5.5	20	None	-	-	-	52.5	58	60	70
												E09	9	1	21.7	52.5	58	60	70
												E18	18	2	43.3	77.9	84.8	80	90
												E24	24	2	57.7	95.9	102.8	100	110
												E36	34	2	81.8	126	132.9	150	150
	460-3-60	6.8	5.8	61.8	50	11	9	1.6	4.6	2.2	20	None	-	-	-	27.1	29.3	30	35
												E09	9	1	10.8	27.1	29.3	30	35
												E18	18	2	21.7	39.1	41.9	40	45
												E24	24	2	28.9	48.1	50.9	50	60
												E36	34	2	40.9	63.1	65.9	70	70
	575-3-60	4.8	5.1	39	41	8	8	1.2	3.5	1.8	20	None	-	-	-	21.1	22.9	25	25
												E09	9	1	8.7	21.1	22.9	25	25
												E18	18	2	17.3	31	33.3	35	35
												E24	24	2	23.1	38.3	40.5	40	45
												E36	34	2	32.7	50.3	52.5	60	60

KB078-150 Standard indoor blower - with powered convenience outlet

Size (ton)	Volt	Compressors (each)						OD fan motors (each)	Supply blower motor	Power exhaust motor	Power convenience outlet	Electric heat option				MCA[1] (Amp)	MCA[1] with power exhaust (Amp)	Max fuse[2]/ breaker[3] size (Amp)	Max fuse[2]/ breaker[3] size with power exhaust (Amp)
		RLA		LRA		MCC													
		C1	C2	C1	C2	C1	C2	FLA	FLA	FLA	FLA	Model	kW	Stages	Amp				
102 (8.5)	208-3-60	11.9	12.2	112	120.4	19	19	2.8	9	5.5	20	None	-	-	-	51.8	57.3	60	60
												E09	6.8	1	18.9	51.8	57.3	60	60
												E18	13.5	2	37.5	70.6	77.5	80	80
												E24	18	2	50	86.3	93.1	90	100
												E36	25.5	2	70.8	112.3	119.1	125	125
	230-3-60	11.9	12.2	112	120.4	19	19	2.8	9	5.5	20	None	-	-	-	51.8	57.3	60	60
												E09	9	1	21.7	51.8	57.8	60	60
												E18	18	2	43.3	77.9	84.8	80	90
												E24	24	2	57.7	95.9	102.8	100	110
												E36	34	2	81.8	126	132.9	150	150
	460-3-60	6.8	6.4	61.8	50	11	10	1.6	4.6	2.2	20	None	-	-	-	27.7	29.9	30	35
												E09	9	1	10.8	27.7	29.9	30	35
												E18	18	2	21.7	39.1	41.9	40	45
												E24	24	2	28.9	48.1	50.9	50	60
												E36	34	2	40.9	63.1	65.9	70	70
	575-3-60	4.8	5.1	39	41	8	8	1.2	3.5	1.8	20	None	-	-	-	21.1	22.9	25	25
												E09	9	1	8.7	21.1	22.9	25	25
												E18	18	2	17.3	31	33.3	35	35
												E24	24	2	23.1	38.3	40.5	40	45
												E36	34	2	32.7	50.3	52.5	60	60
120 (10)	208-3-60	14	16	150	156.4	22	25	2.8	9	5.5	20	None	-	-	-	58.6	64.1	70	80
												E18	13.5	2	37.5	70.6	77.5	80	80
												E24	18	2	50	86.3	93.1	90	100
												E36	25.5	2	70.8	112.3	119.1	125	125
												E54	40.6	2	112.7	164.6	171.5	175	175
	230-3-60	14	16	150	156.4	22	25	2.8	9	5.5	20	None	-	-	-	58.6	64.1	70	80
												E18	18	2	43.3	77.9	84.8	80	90
												E24	24	2	57.7	95.9	102.8	100	110
												E36	34	2	81.8	126	132.9	150	150
												E54	54	2	129.9	153.7	160.5	175	175
	460-3-60	6.3	7.7	58	69	10	12	1.6	4.6	2.2	20	None	-	-	-	28.7	30.9	35	35
												E18	18	2	21.7	39.1	41.9	40	45
												E24	24	2	28.9	48.1	50.9	50	60
												E36	34	2	40.9	63.1	65.9	70	70
												E54	54	2	65	77	79.8	90	90
	575-3-60	5.8	6.4	47.8	47.8	9	10	1.2	3.5	1.8	20	None	-	-	-	23.7	25.5	30	30
												E18	18	2	17.3	31	33.3	35	35
												E24	24	2	23.1	38.3	40.5	40	45
												E36	34	2	32.7	50.3	52.5	60	60
												E54	54	2	52	61.4	63.6	70	70

KB078-150 Standard indoor blower - with powered convenience outlet

Size (ton)	Volt	Compressors (each)						OD fan motors (each)	Supply blower motor	Power exhaust motor	Power convenience outlet	Electric heat option				MCA[1] (Amp)	MCA[1] with power exhaust (Amp)	Max fuse[2]/ breaker[3] size (Amp)	Max fuse[2]/ breaker[3] size with power exhaust (Amp)
		RLA		LRA		MCC													
		C1	C2	C1	C2	C1	C2	FLA	FLA	FLA	FLA	Model	kW	Stages	Amp				
150 (12.5)	208-3-60	19.2	22.4	162.3	166.2	30	35	1.65	13.2	5.5	20	None	-	-	-	77	82.5	90	100
												E18	13.5	2	37.5	77	82.8	90	100
												E24	18	2	50	91.5	98.4	100	100
												E36	25.5	2	70.8	117.5	124.4	125	125
												E54	40.6	2	112.7	169.9	176.8	175	200
	230-3-60	19.2	22.4	162.3	166.2	30	35	1.65	13.2	5.5	20	None	-	-	-	77	82.5	90	100
												E18	18	2	43.3	83.1	90	90	100
												E24	24	2	57.7	101.1	108	110	110
												E36	34	2	81.8	131.3	138.1	150	150
												E54	54	2	129.9	158.9	165.8	175	175
	460-3-60	9.1	8.8	70.8	74.6	14	14	1.1	6.1	2.2	20	None	-	-	-	35.7	37.9	40	45
												E18	18	2	21.7	41	43.8	45	45
												E24	24	2	28.9	50	52.8	50	60
												E36	34	2	40.9	65	67.8	70	70
												E54	54	2	65	78.9	81.6	90	90
	575-3-60	6.2	7.2	58.2	54	10	11	0.65	4.9	1.8	20	None	-	-	-	26.7	28.5	30	35
												E18	18	2	17.3	32.8	35	35	35
												E24	24	2	23.1	40	42.3	40	45
												E36	34	2	32.7	52	54.3	60	60
												E54	54	2	52	63.1	65.4	70	70

1. Minimum Circuit Ampacity.
2. Dual Element, Time Delay Type.
3. HACR type per NEC.

KB078-150 Hi-static indoor blower - without powered convenience outlet

Size (ton)	Volt	Compressors (each)						OD fan motors (each)	Supply blower motor	Power exhaust motor	Power convenience outlet	Electric heat option				MCA[1] (Amp)	MCA[1] with power exhaust (Amp)	Max fuse[2]/ breaker[3] size (Amp)	Max fuse[2]/ breaker[3] size with power exhaust (Amp)
		RLA		LRA		MCC													
		C1	C2	C1	C2	C1	C2	FLA	FLA	FLA	FLA	Model	kW	Stages	Amp				
078 (6)	208-3-60	9.9	12.8	82	102.8	15	20	2.8	9	5.5		None	-	-	-	40.5	46	50	50
												E09	6.8	1	18.9	40.5	46	50	50
												E18	13.5	2	37.5	58.1	65	60	70
												E24	18	2	50	73.8	80.6	80	90
												E36	25.5	2	70.8	99.8	106.6	100	110
	230-3-60	9.9	12.8	82	102.8	15	20	2.8	9	5.5		None	-	-	-	40.5	46	50	50
												E09	9	1	21.7	40.5	46	50	50
												E18	18	2	43.3	65.4	72.3	70	80
												E24	24	2	57.7	83.4	90.3	90	100
												E36	34	2	81.8	113.5	120.4	125	125
	460-3-60	4.8	5.8	44.3	50	8	9	1.6	4.6	2.2		None	-	-	-	19.9	22.1	25	25
												E09	9	1	10.8	19.9	22.1	25	25
												E18	18	2	21.7	32.9	35.6	35	40
												E24	24	2	28.9	41.9	44.6	45	45
												E36	34	2	40.9	56.9	59.6	60	60
	575-3-60	3.5	5.1	28.7	41	6	8	1.2	3.5	1.8		None	-	-	-	15.8	17.6	20	20
												E09	9	1	8.7	15.8	17.6	20	20
												E18	18	2	17.3	26	28.3	30	30
												E24	24	2	23.1	33.3	35.5	35	40
												E36	34	2	32.7	45.3	47.5	50	50
090 (7.5)	208-3-60	11.9	12.8	112	102.8	19	20	2.8	13.2	5.5		None	-	-	-	46.8	52.3	60	60
												E09	6.8	1	18.9	46.8	52.3	60	60
												E18	13.5	2	37.5	63.4	70.3	70	80
												E24	18	2	50	79	85.9	80	90
												E36	25.5	2	70.8	105	111.9	110	125
	230-3-60	11.9	12.8	112	102.8	19	20	2.8	13.2	5.5		None	-	-	-	46.8	52.3	60	60
												E09	9	1	21.7	46.8	52.3	60	60
												E18	18	2	43.3	70.6	77.5	80	80
												E24	24	2	57.7	88.6	95.5	90	100
												E36	34	2	81.8	118.8	125.6	125	150
	460-3-60	6.8	5.8	61.8	50	11	9	1.6	6.1	2.2		None	-	-	-	23.6	25.8	30	30
												E09	9	1	10.8	23.6	25.8	30	30
												E18	18	2	21.7	34.8	37.5	35	40
												E24	24	2	28.9	43.8	46.5	45	50
												E36	34	2	40.9	58.8	61.5	60	70
	575-3-60	4.8	5.1	39	41	8	8	1.2	4.9	1.8		None	-	-	-	18.5	20.3	20	25
												E09	9	1	8.7	18.5	20.3	20	25
												E18	18	2	17.3	27.8	30	30	30
												E24	24	2	23.1	35	37.3	35	40
												E36	34	2	32.7	47	49.3	50	50

KB078-150 Hi-static indoor blower - without powered convenience outlet

Size (ton)	Volt	Compressors (each)						OD fan motors (each)	Supply blower motor	Power exhaust motor	Power convenience outlet	Electric heat option				MCA[1] (Amp)	MCA[1] with power exhaust (Amp)	Max fuse[2]/ breaker[3] size (Amp)	Max fuse[2]/ breaker[3] size with power exhaust (Amp)
		RLA		LRA		MCC													
		C1	C2	C1	C2	C1	C2	FLA	FLA	FLA	FLA	Model	kW	Stages	Amp				
102 (8.5)	208-3-60	11.9	12.2	112	120.4	19	19	2.8	13.2	5.5		None	-	-	-	46.2	51.7	50	60
												E09	6.8	1	18.9	46.2	51.7	50	60
												E18	13.5	2	37.5	63.4	70.3	70	80
												E24	18	2	50	79	85.9	80	90
												E36	25.5	2	70.8	105	111.9	110	125
	230-3-60	11.9	12.2	112	120.4	19	19	2.8	13.2	5.5		None	-	-	-	46.2	51.7	50	60
												E09	9	1	21.7	46.2	51.7	50	60
												E18	18	2	43.3	70.6	77.5	80	80
												E24	24	2	57.7	88.6	95.5	90	100
												E36	34	2	81.8	118.8	125.6	125	150
	460-3-60	6.8	6.4	61.8	50	11	10	1.6	6.1	2.2		None	-	-	-	24.2	26.4	30	30
												E09	9	1	10.8	24.2	26.4	30	30
												E18	18	2	21.7	34.8	37.5	35	40
												E24	24	2	28.9	43.8	46.5	45	50
												E36	34	2	40.9	58.8	61.5	60	70
	575-3-60	4.8	5.1	39	41	8	8	1.2	4.9	1.8		None	-	-	-	18.5	20.3	20	25
												E09	9	1	8.7	18.5	20.3	20	25
												E18	18	2	17.3	27.8	30	30	30
												E24	24	2	23.1	35	37.3	35	40
												E36	34	2	32.7	47	49.3	50	50
120 (10)	208-3-60	14	16	150	156.4	22	25	2.8	13.2	5.5		None	-	-	-	52.8	58.3	60	70
												E18	13.5	2	37.5	63.4	70.3	70	80
												E24	18	2	50	79	85.9	80	90
												E36	25.5	2	70.8	105	111.9	110	125
												E54	40.6	2	112.7	157.4	164.3	175	175
	230-3-60	14	16	150	156.4	22	25	2.8	13.2	5.5		None	-	-	-	52.8	58.3	60	70
												E18	18	2	43.3	70.6	77.5	80	80
												E24	24	2	57.7	88.6	95.5	90	100
												E36	34	2	81.8	118.8	125.6	125	150
												E54	54	2	129.9	146.4	153.3	175	175
	460-3-60	6.3	7.7	58	69	10	12	1.6	6.1	2.2		None	-	-	-	25.2	27.4	30	35
												E18	18	2	21.7	34.8	37.5	35	40
												E24	24	2	28.9	43.8	46.5	45	50
												E36	34	2	40.9	58.8	61.5	60	70
												E54	54	2	65	72.6	75.4	80	90
	575-3-60	5.8	6.4	47.8	47.8	9	10	1.2	4.9	1.8		None	-	-	-	21.1	22.9	25	25
												E18	18	2	17.3	27.8	30	30	30
												E24	24	2	23.1	35	37.3	35	40
												E36	34	2	32.7	47	49.3	50	50
												E54	54	2	52	58.1	60.4	70	70

KB078-150 Hi-static indoor blower - without powered convenience outlet

Size (ton)	Volt	Compressors (each)						OD fan motors (each)	Supply blower motor	Power exhaust motor	Power convenience outlet	Electric heat option				MCA[1] (Amp)	MCA[1] with power exhaust (Amp)	Max fuse[2]/ breaker[3] size (Amp)	Max fuse[2]/ breaker[3] size with power exhaust (Amp)
		RLA		LRA		MCC													
		C1	C2	C1	C2	C1	C2	FLA	FLA	FLA	FLA	Model	kW	Stages	Amp				
150 (12.5)	208-3-60	19.2	22.4	162.3	166.2	30	35	1.65	20.4	5.5		None	-	-	-	74.2	79.7	90	100
												E18	13.5	2	37.5	74.2	79.7	90	100
												E24	18	2	50	88	94.9	90	100
												E36	25.5	2	70.8	114	120.9	125	125
												E54	40.6	2	112.7	166.4	173.3	175	175
	230-3-60	19.2	22.4	162.3	166.2	30	35	1.65	20.4	5.5		None	-	-	-	74.2	79.7	90	100
												E18	18	2	43.3	79.6	86.5	90	100
												E24	24	2	57.7	97.6	104.5	100	110
												E36	34	2	81.8	127.8	134.6	150	150
												E54	54	2	129.9	155.4	162.3	175	175
	460-3-60	9.1	8.8	70.8	74.6	14	14	1.1	9.9	2.2		None	-	-	-	34.7	36.9	40	45
												E18	18	2	21.7	39.5	42.3	40	45
												E24	24	2	28.9	48.5	51.3	50	60
												E36	34	2	40.9	63.5	66.3	70	70
												E54	54	2	65	77.4	80.1	90	90
	575-3-60	6.2	7.2	58.2	54	10	11	0.65	7.7	1.8		None	-	-	-	25.6	27.4	30	35
												E18	18	2	17.3	31.3	33.5	35	35
												E24	24	2	23.1	38.5	40.8	40	45
												E36	34	2	32.7	50.5	52.8	60	60
												E54	54	2	52	61.6	63.9	70	70

1. Minimum Circuit Ampacity.
2. Dual Element, Time Delay Type.
3. HACR type per NEC.

KB078-150 Hi-static indoor blower - with powered convenience outlet

Size (ton)	Volt	Compressors (each)						OD fan motors (each)	Supply blower motor	Power exhaust motor	Power convenience outlet	Electric heat option				MCA[1] (Amp)	MCA[1] with power exhaust (Amp)	Max fuse[2]/ breaker[3] size (Amp)	Max fuse[2]/ breaker[3] size with power exhaust (Amp)
		RLA		LRA		MCC													
		C1	C2	C1	C2	C1	C2	FLA	FLA	FLA	FLA	Model	kW	Stages	Amp				
078 (6)	208-3-60	9.9	12.8	82	102.8	15	20	2.8	9	5.5	20	None	-	-	-	50.5	56	60	60
												E09	6.8	1	18.9	50.5	56	60	60
												E18	13.5	2	37.5	70.6	77.5	80	80
												E24	18	2	50	86.3	93.1	90	100
												E36	25.5	2	70.8	112.3	119.1	125	125
	230-3-60	9.9	12.8	82	102.8	15	20	2.8	9	5.5	20	None	-	-	-	50.5	56	60	60
												E09	9	1	21.7	50.9	57.8	60	60
												E18	18	2	43.3	77.9	84.8	80	90
												E24	24	2	57.7	95.9	102.8	100	110
												E36	34	2	81.8	126	132.9	150	150
	460-3-60	4.8	5.8	44.3	50	8	9	1.6	4.6	2.2	20	None	-	-	-	24.9	27.1	30	30
												E09	9	1	10.8	25.5	28.3	30	30
												E18	18	2	21.7	39.1	41.9	40	45
												E24	24	2	28.9	48.1	50.9	50	60
												E36	34	2	40.9	63.1	65.9	70	70
	575-3-60	3.5	5.1	28.7	41	6	8	1.2	3.5	1.8	20	None	-	-	-	19.8	21.6	20	25
												E09	9	1	8.7	20.3	22.5	25	25
												E18	18	2	17.3	31	33.3	35	35
												E24	24	2	23.1	38.3	40.5	40	45
												E36	34	2	32.7	50.3	52.5	60	60
090 (7.5)	208-3-60	11.9	12.8	112	102.8	19	20	2.8	13.2	5.5	20	None	-	-	-	56.8	62.3	70	70
												E09	6.8	1	18.9	56.8	62.3	70	70
												E18	13.5	2	37.5	75.9	82.8	80	90
												E24	18	2	50	91.5	98.4	100	100
												E36	25.5	2	70.8	117.5	124.4	125	125
	230-3-60	11.9	12.8	112	102.8	19	20	2.8	13.2	5.5	20	None	-	-	-	56.8	62.3	70	70
												E09	9	1	21.7	56.8	63	70	70
												E18	18	2	43.3	83.1	90	90	90
												E24	24	2	57.7	101.1	108	110	110
												E36	34	2	81.8	131.3	138.1	150	150
	460-3-60	6.8	5.8	61.8	50	11	9	1.6	6.1	2.2	20	None	-	-	-	28.6	30.8	35	35
												E09	9	1	10.8	28.6	30.8	35	35
												E18	18	2	21.7	41	43.8	45	45
												E24	24	2	28.9	50	52.8	50	60
												E36	34	2	40.9	65	67.8	70	70
	575-3-60	4.8	5.1	39	41	8	8	1.2	4.9	1.8	20	None	-	-	-	22.5	24.3	25	25
												E09	9	1	8.7	22.5	24.3	25	25
												E18	18	2	17.3	32.8	35	35	35
												E24	24	2	23.1	40	42.3	40	45
												E36	34	2	32.7	52	54.3	60	60

KB078-150 Hi-static indoor blower - with powered convenience outlet

Size (ton)	Volt	Compressors (each)						OD fan motors (each)	Supply blower motor	Power exhaust motor	Power convenience outlet	Electric heat option				MCA[1] (Amp)	MCA[1] with power exhaust (Amp)	Max fuse[2]/ breaker[3] size (Amp)	Max fuse[2]/ breaker[3] size with power exhaust (Amp)
		RLA		LRA		MCC													
		C1	C2	C1	C2	C1	C2	FLA	FLA	FLA	FLA	Model	kW	Stages	Amp				
102 (8.5)	208-3-60	11.9	12.2	112	120.4	19	19	2.8	13.2	5.5	20	None	-	-	-	56.2	61.7	60	70
												E09	6.8	1	18.9	56.2	61.7	60	70
												E18	13.5	2	37.5	75.9	82.8	80	90
												E24	18	2	50	91.5	98.4	100	100
												E36	25.5	2	70.8	117.5	124.4	125	125
	230-3-60	11.9	12.2	112	120.4	19	19	2.8	13.2	5.5	20	None	-	-	-	56.2	61.7	60	70
												E09	9	1	21.7	56.2	63	60	70
												E18	18	2	43.3	83.1	90	90	90
												E24	24	2	57.7	101.1	108	110	110
												E36	34	2	81.8	131.3	138.1	150	150
	460-3-60	6.8	6.4	61.8	50	11	10	1.6	6.1	2.2	20	None	-	-	-	29.2	31.4	35	35
												E09	9	1	10.8	29.2	31.4	35	35
												E18	18	2	21.7	41	43.8	45	45
												E24	24	2	28.9	50	52.8	50	60
												E36	34	2	40.9	65	67.8	70	70
	575-3-60	4.8	5.1	39	41	8	8	1.2	4.9	1.8	20	None	-	-	-	22.5	24.3	25	25
												E09	9	1	8.7	22.5	24.3	25	25
												E18	18	2	17.3	32.8	35	35	35
												E24	24	2	23.1	40	42.3	40	45
												E36	34	2	32.7	52	54.3	60	60
120 (10)	208-3-60	14	16	150	156.4	22	25	2.8	13.2	5.5	20	None	-	-	-	62.8	68.3	70	80
												E18	13.5	2	37.5	75.9	82.8	80	90
												E24	18	2	50	91.5	98.4	100	100
												E36	25.5	2	70.8	117.5	124.4	125	125
												E54	40.6	2	112.7	169.9	176.8	175	200
	230-3-60	14	16	150	156.4	22	25	2.8	13.2	5.5	20	None	-	-	-	62.8	68.3	70	80
												E18	18	2	43.3	83.1	90	90	90
												E24	24	2	57.7	101.1	108	110	110
												E36	34	2	81.8	131.3	138.1	150	150
												E54	54	2	129.9	158.9	165.8	175	175
	460-3-60	6.3	7.7	58	69	10	12	1.6	6.1	2.2	20	None	-	-	-	30.2	32.4	35	40
												E18	18	2	21.7	41	43.8	45	45
												E24	24	2	28.9	50	52.8	50	60
												E36	34	2	40.9	65	67.8	70	70
												E54	54	2	65	78.9	81.6	90	90
	575-3-60	5.8	6.4	47.8	47.8	9	10	1.2	4.9	1.8	20	None	-	-	-	25.1	26.9	30	30
												E18	18	2	17.3	32.8	35	35	35
												E24	24	2	23.1	40	42.3	40	45
												E36	34	2	32.7	52	54.3	60	60
												E54	54	2	52	63.1	65.4	70	70

KB078-150 Hi-static indoor blower - with powered convenience outlet

Size (ton)	Volt	Compressors (each)						OD fan motors (each)	Supply blower motor	Power exhaust motor	Power convenience outlet	Electric heat option				MCA[1] (Amp)	MCA[1] with power exhaust (Amp)	Max fuse[2]/ breaker[3] size (Amp)	Max fuse[2]/ breaker[3] size with power exhaust (Amp)
		RLA		LRA		MCC													
		C1	C2	C1	C2	C1	C2	FLA	FLA	FLA	FLA	Model	kW	Stages	Amp				
150 (12.5)	208-3-60	19.2	22.4	162.3	166.2	30	35	1.65	20.4	5.5	20	None	-	-	-	84.2	89.7	100	110
												E18	13.5	2	37.5	84.9	91.8	100	110
												E24	18	2	50	100.5	107.4	110	110
												E36	25.5	2	70.8	126.5	133.4	150	150
												E54	40.6	2	112.7	178.9	185.8	200	200
	230-3-60	19.2	22.4	162.3	166.2	30	35	1.65	20.4	5.5	20	None	-	-	-	84.2	89.7	100	110
												E18	18	2	43.3	92.1	99	100	110
												E24	24	2	57.7	110.1	117	125	125
												E36	34	2	81.8	140.3	147.1	150	150
												E54	54	2	129.9	167.9	174.8	175	175
	460-3-60	9.1	8.8	70.8	74.6	14	14	1.1	9.9	2.2	20	None	-	-	-	39.7	41.9	45	50
												E18	18	2	21.7	45.8	48.5	50	50
												E24	24	2	28.9	54.8	57.5	60	60
												E36	34	2	40.9	69.8	72.5	70	80
												E54	54	2	65	83.6	86.4	90	90
	575-3-60	6.2	7.2	58.2	54	10	11	0.65	7.7	1.8	20	None	-	-	-	29.6	31.4	35	35
												E18	18	2	17.3	36.3	38.5	40	40
												E24	24	2	23.1	43.5	45.8	45	50
												E36	34	2	32.7	55.5	57.8	60	60
												E54	54	2	52	66.6	68.9	70	70

1. Minimum Circuit Ampacity.
2. Dual Element, Time Delay Type.
3. HACR type per NEC.

Electric heat multipliers

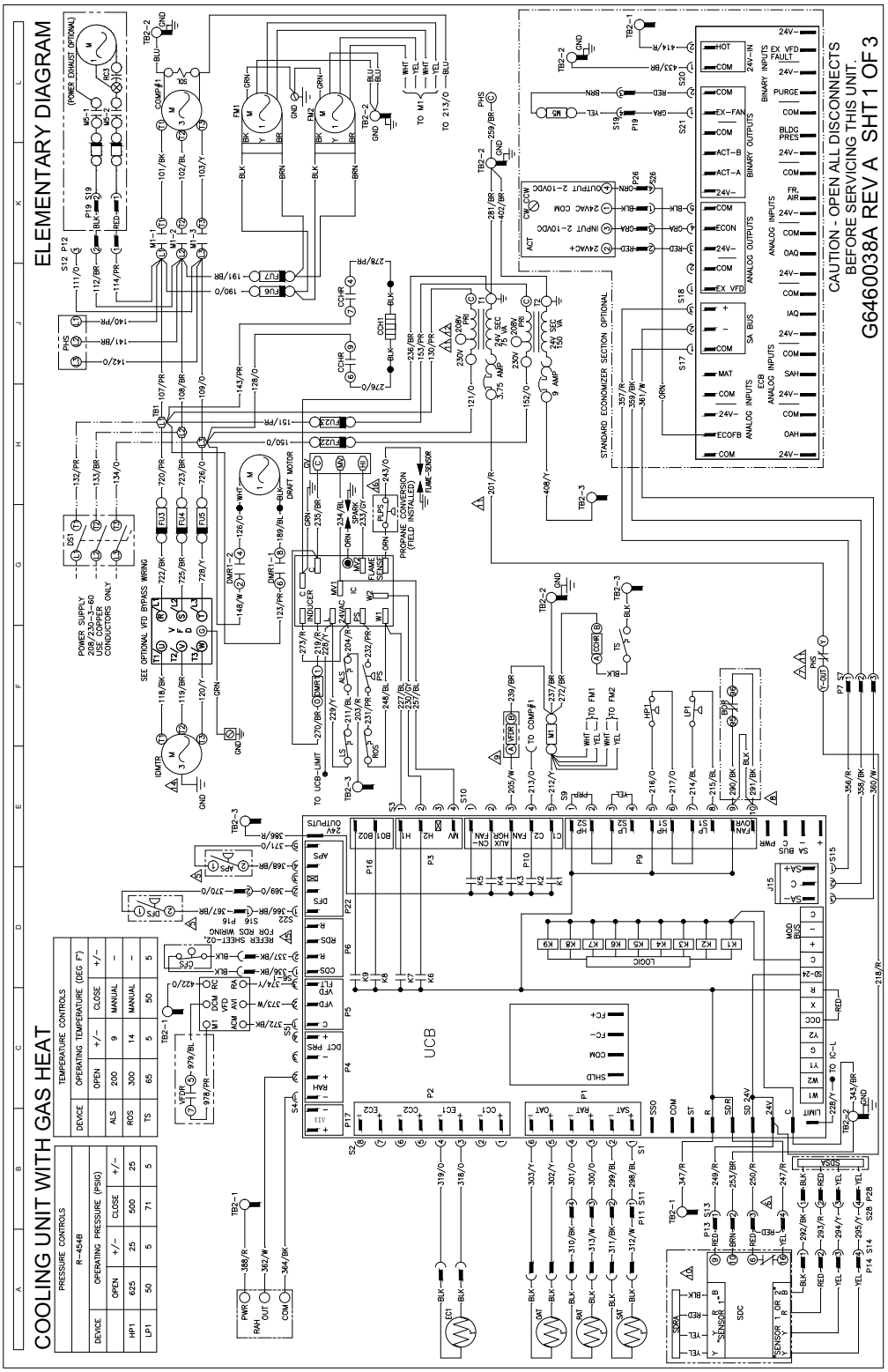
Voltage		kW capacity multipliers[1]
Nominal	Applied	
240	208	0.75
	230	0.92
480	460	0.92
600	575	0.92

1. Electric heaters are rated at nominal voltage. Use this table to determine the electric heat capacity for heaters applied at lower voltages.

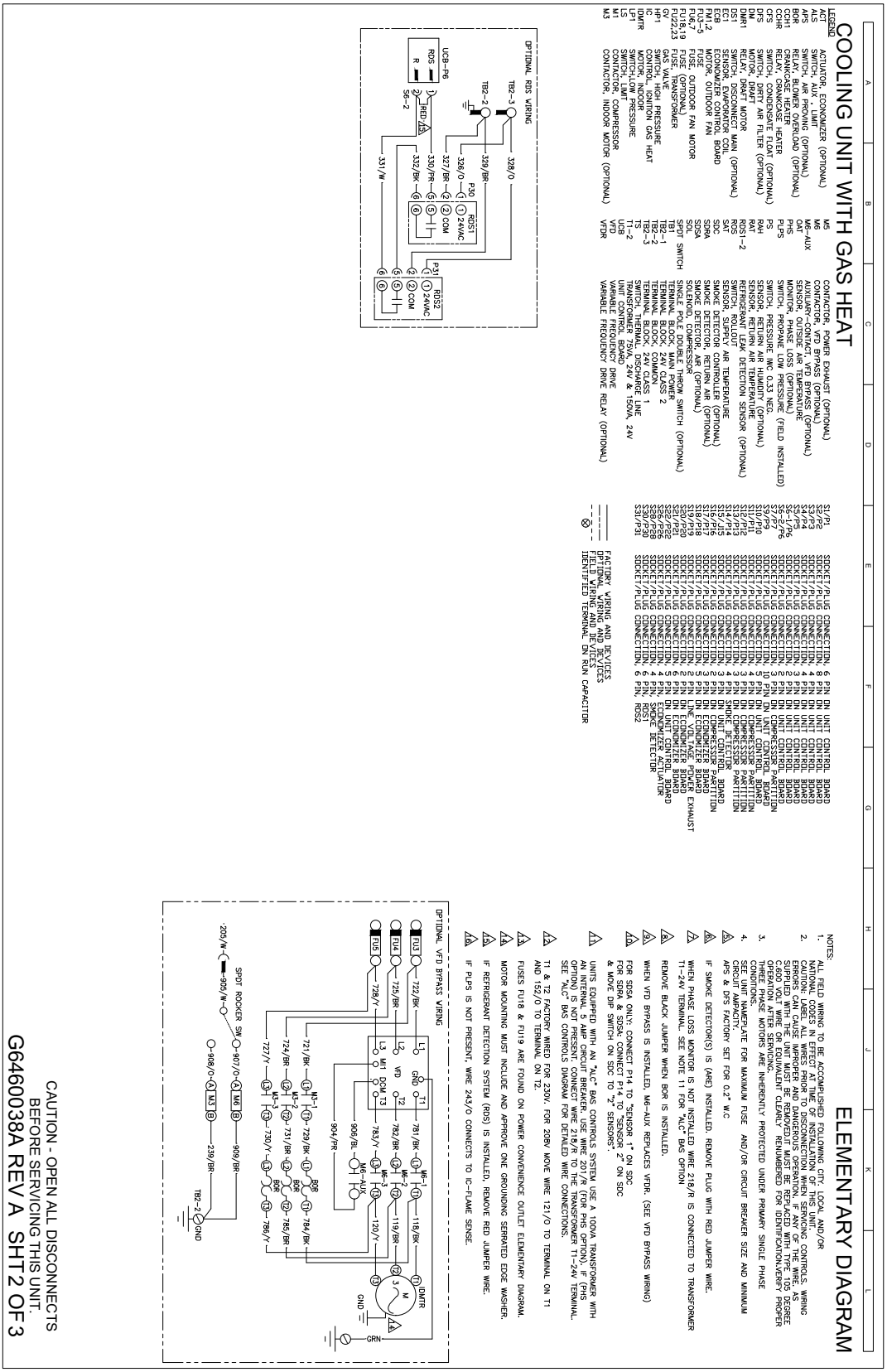
Typical wiring diagrams

KT037-150 typical wiring diagrams

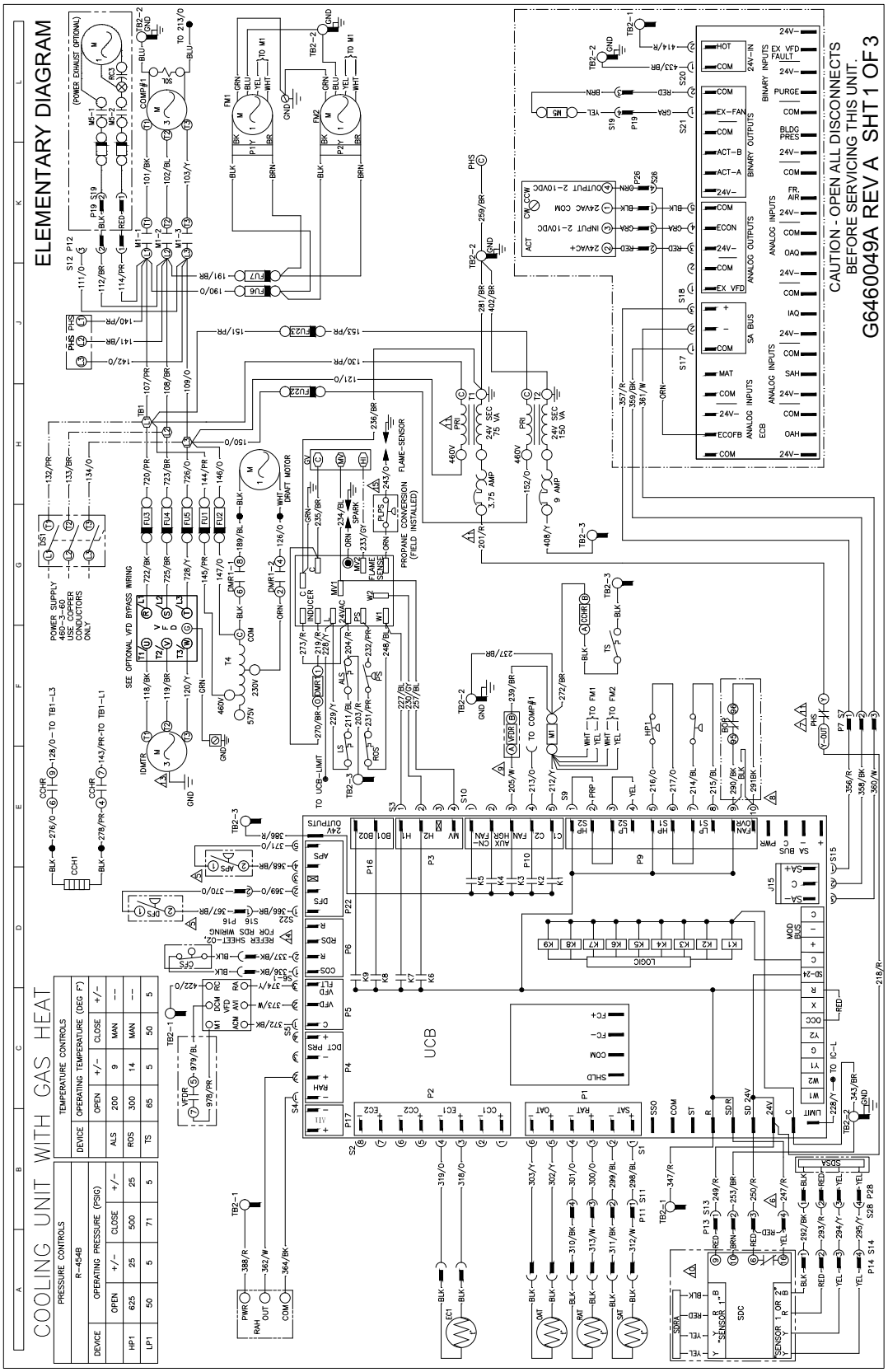
Typical KT037-061 cooling unit with gas heat 208/230 volt wiring diagram



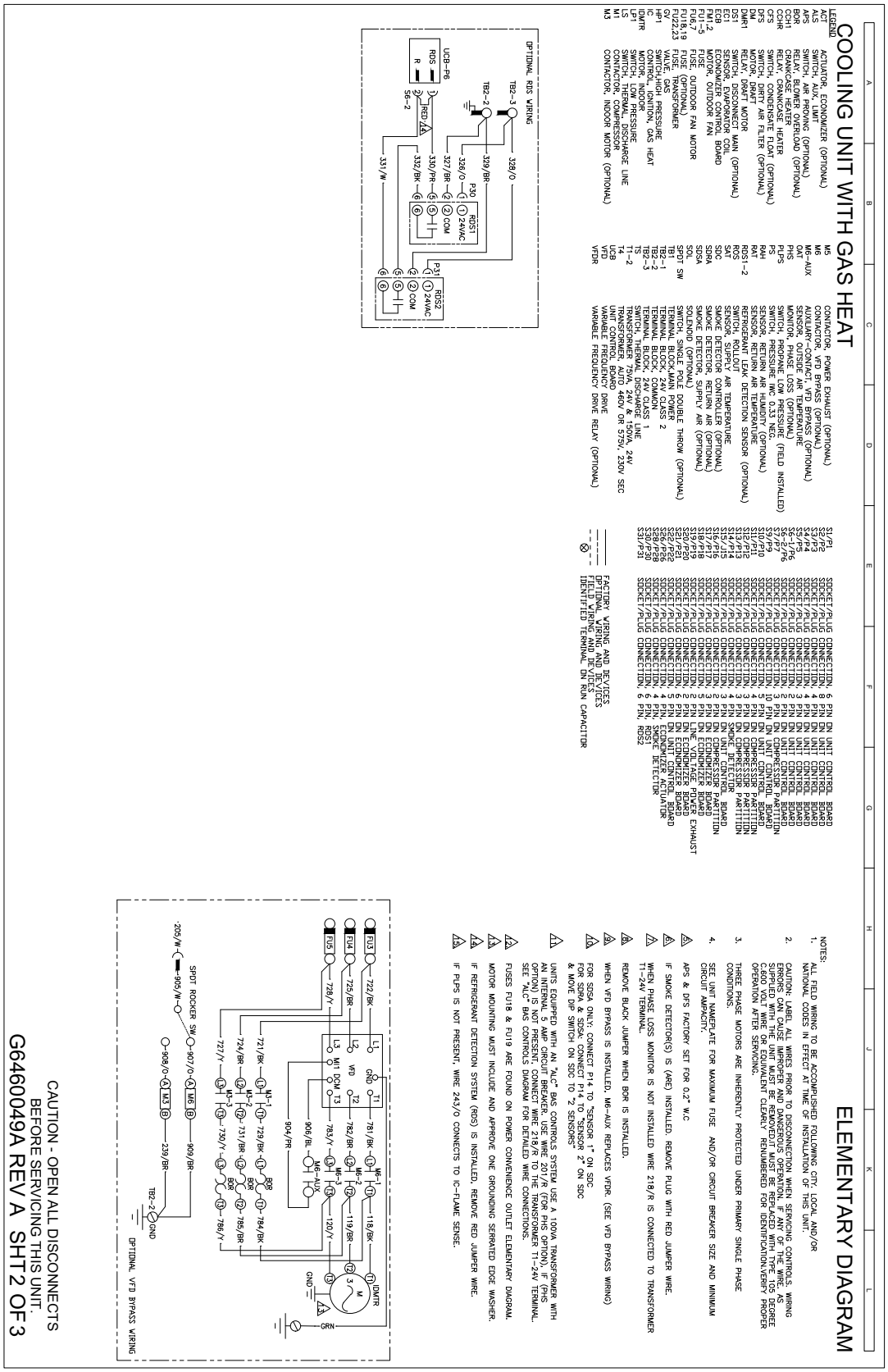
Typical KT037-061 cooling unit with gas heat 208/230 volt unit (options)



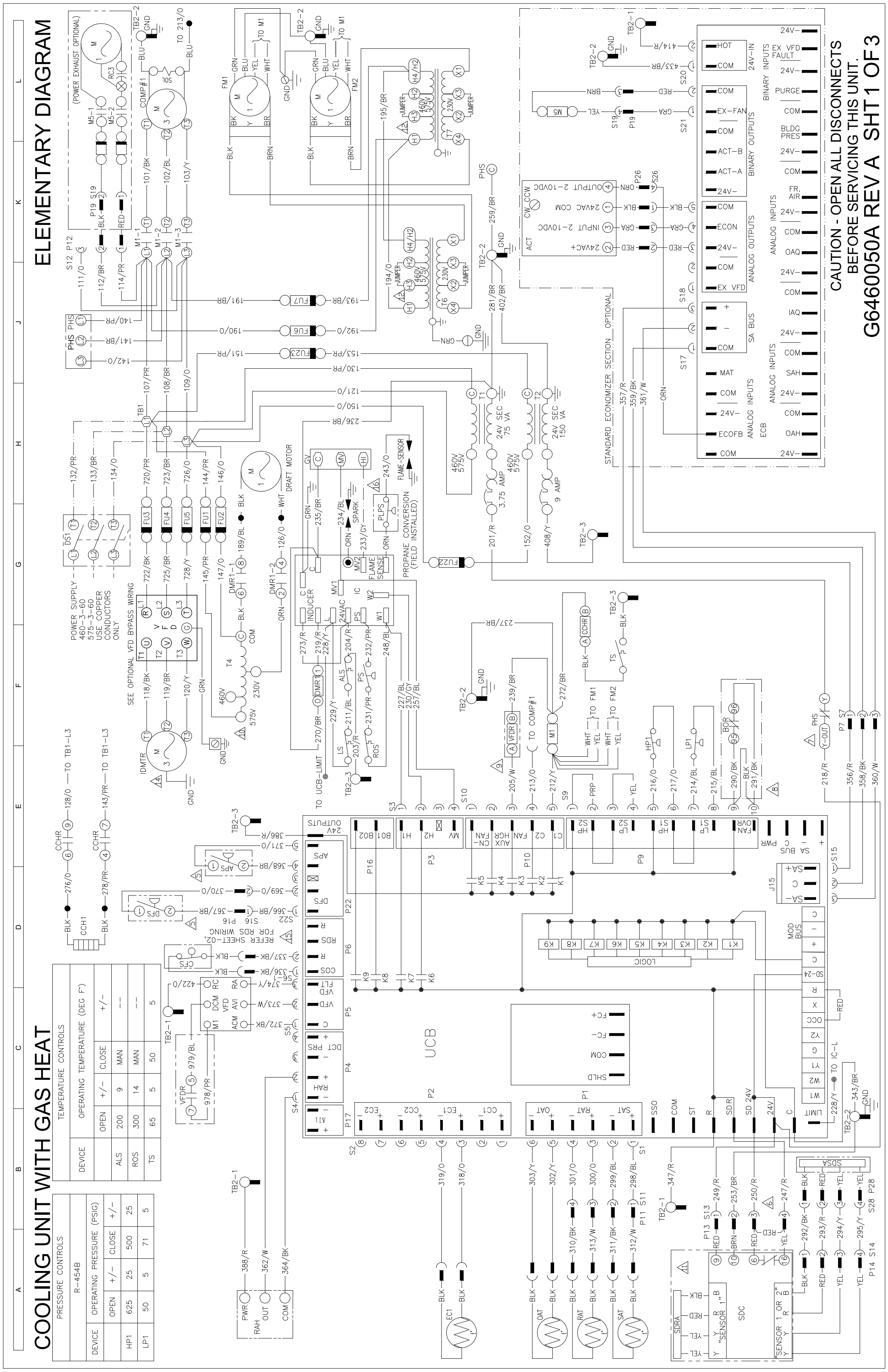
Typical KT037 cooling unit with gas heat 460 volt wiring diagram



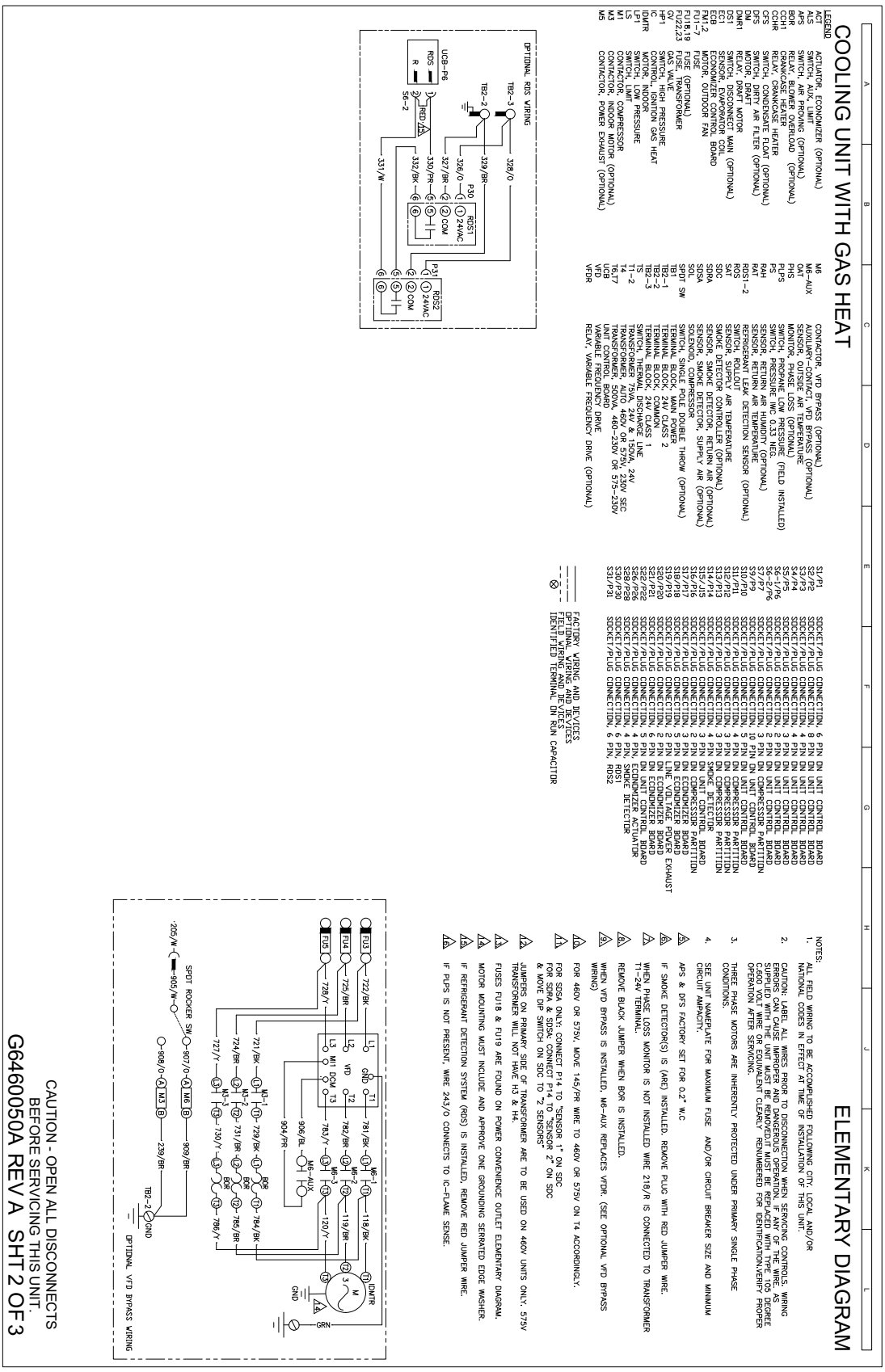
Typical KT037 cooling unit with gas heat 460 volt unit (options)



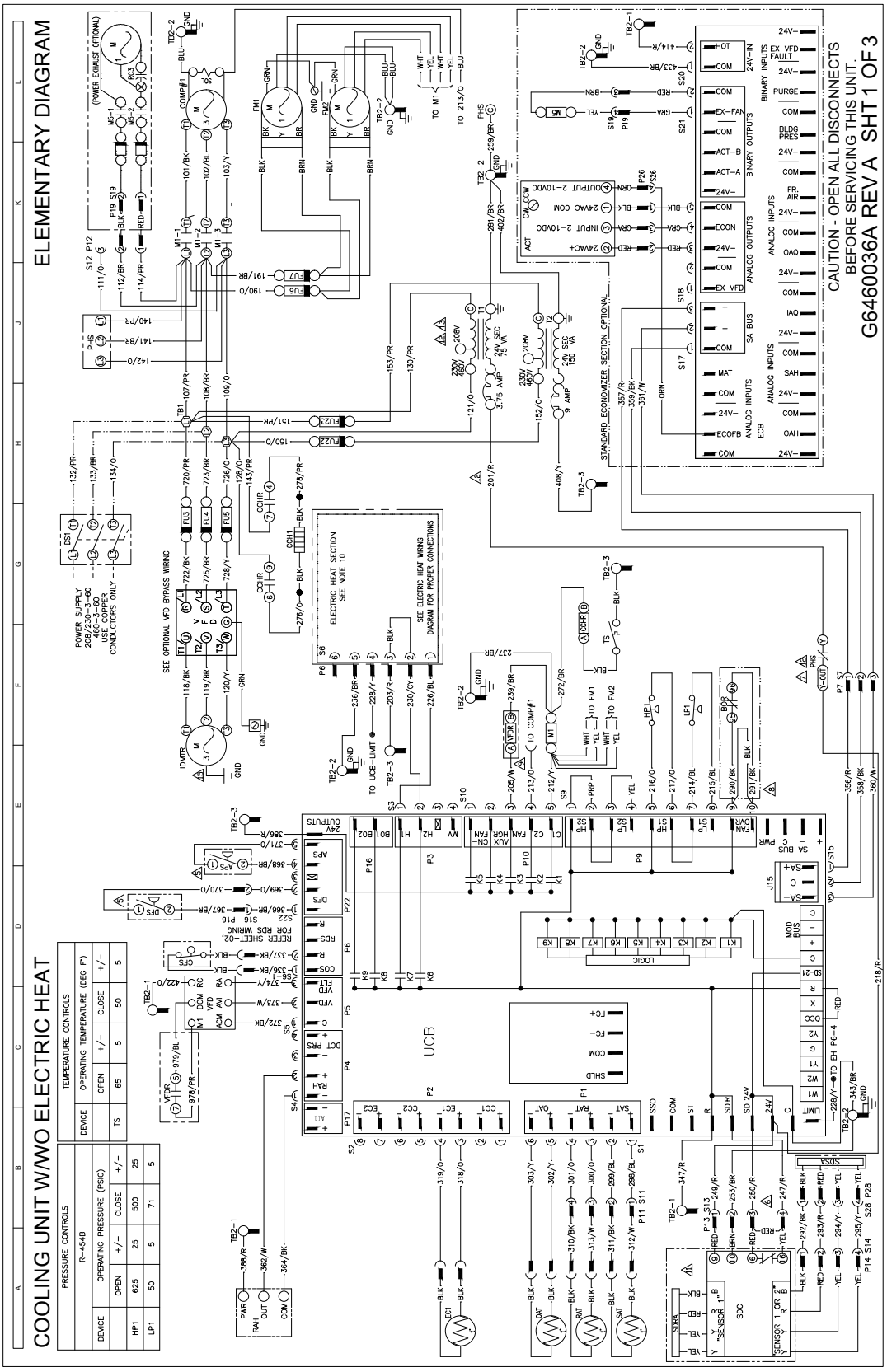
Typical KT037 575 volt and KT049-061 460/575 volt cooling unit with gas heat



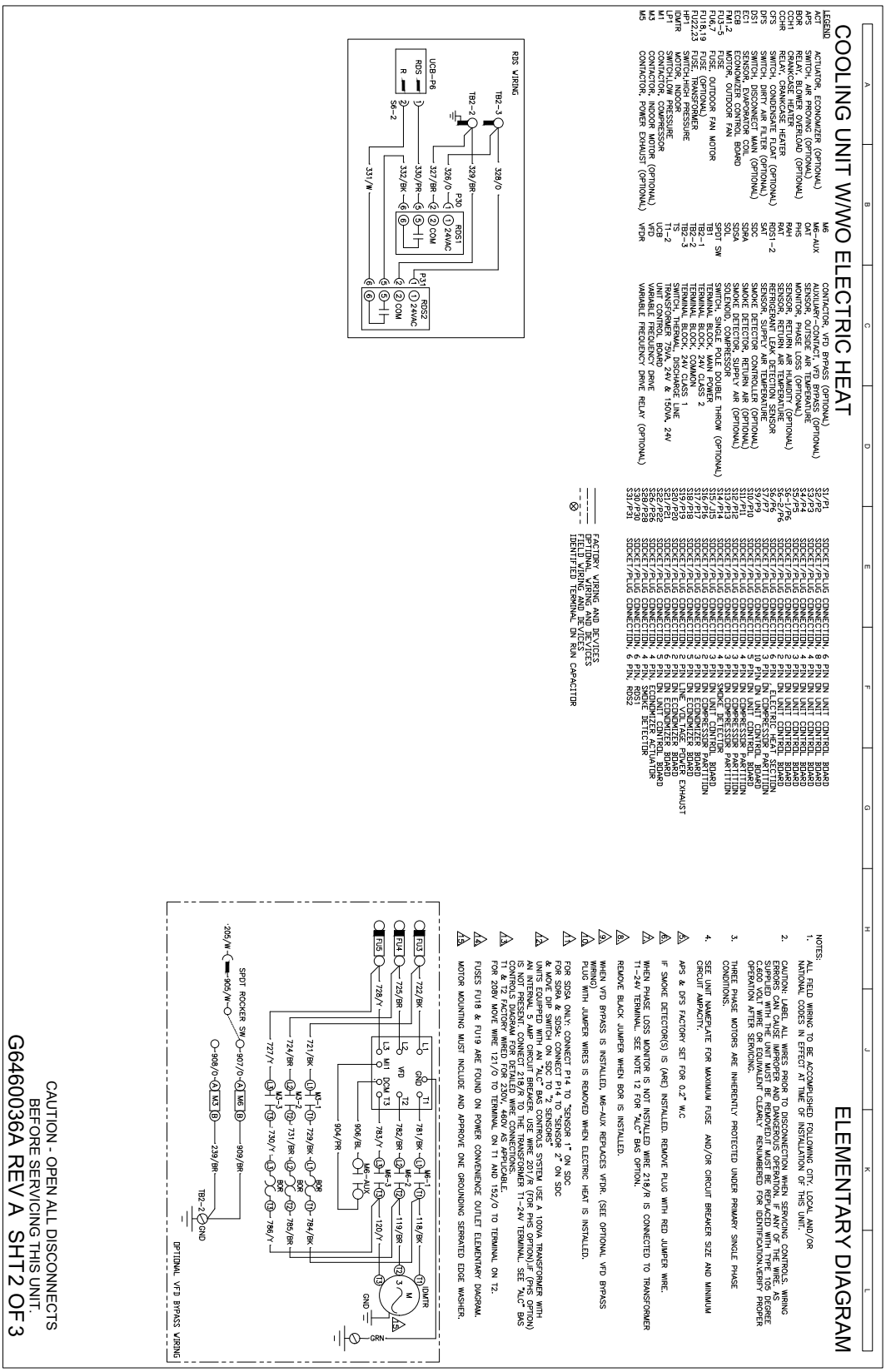
Typical KT037 575 volt and KT049-061 460/575 volt cooling unit with gas heat (options)



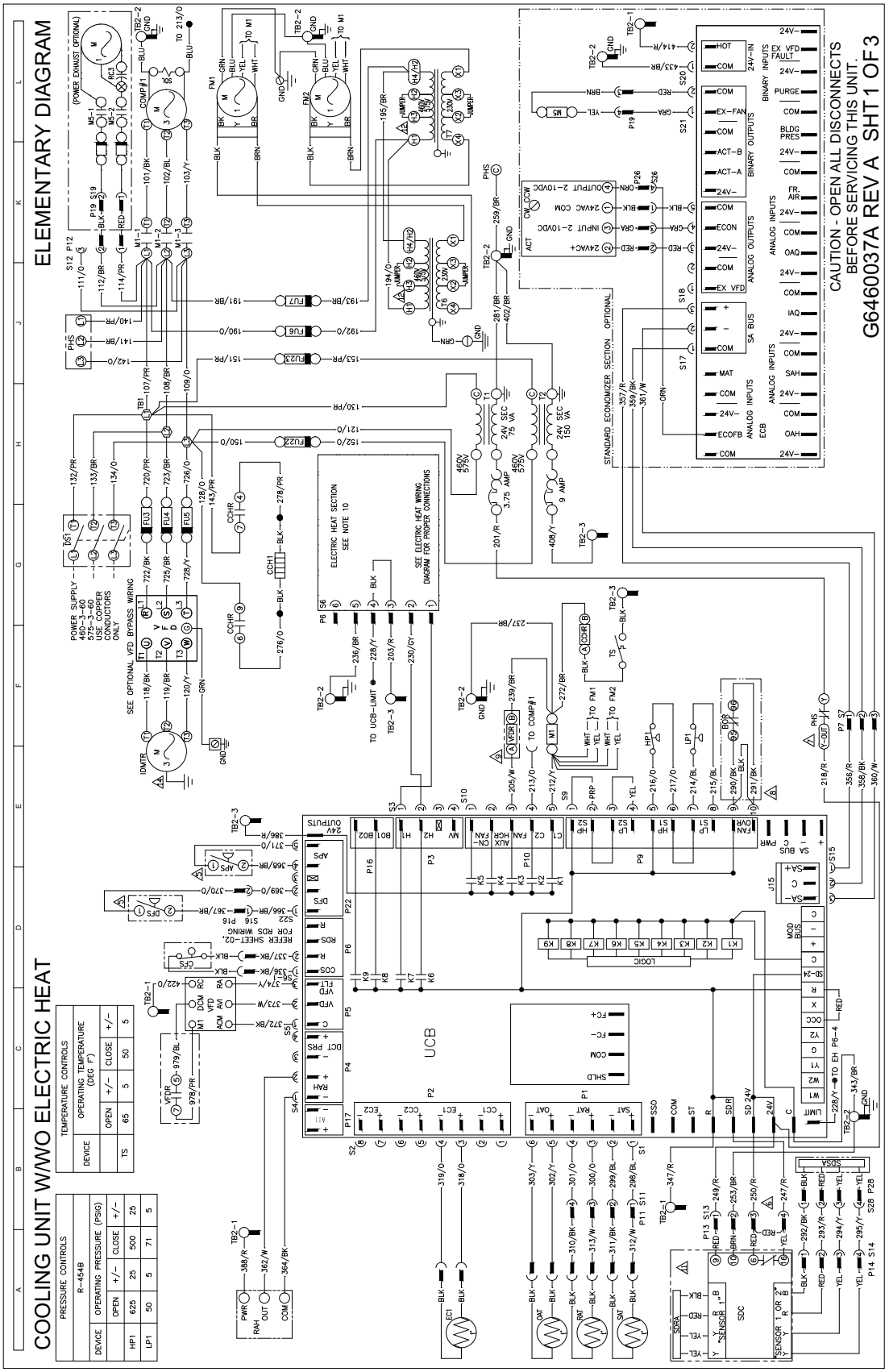
Typical KT037-061 cooling unit with/without electric heat 208/230/460 volt wiring diagram



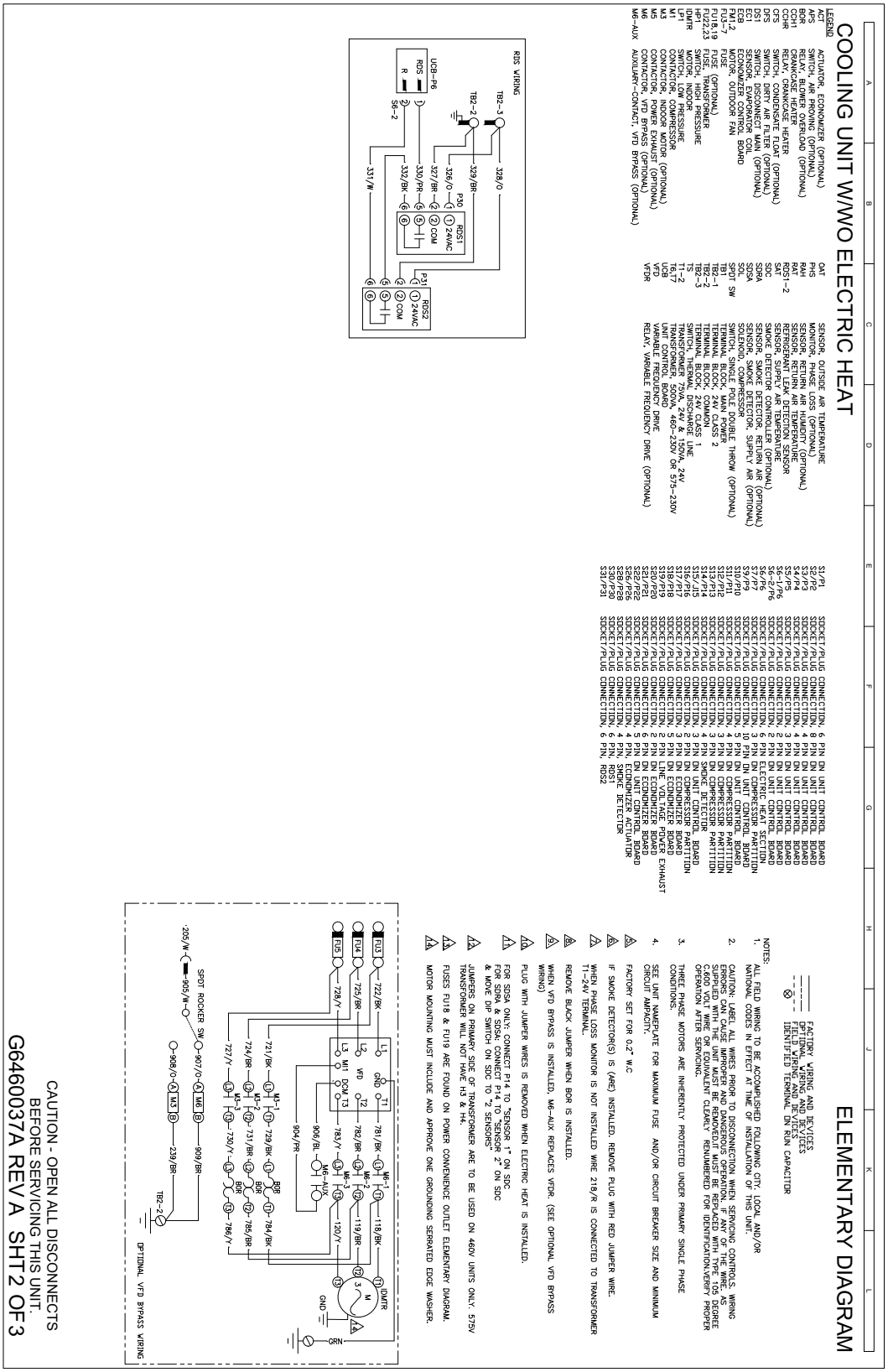
Typical KT037-061 cooling unit with/without electric heat 208/230/460 volt unit



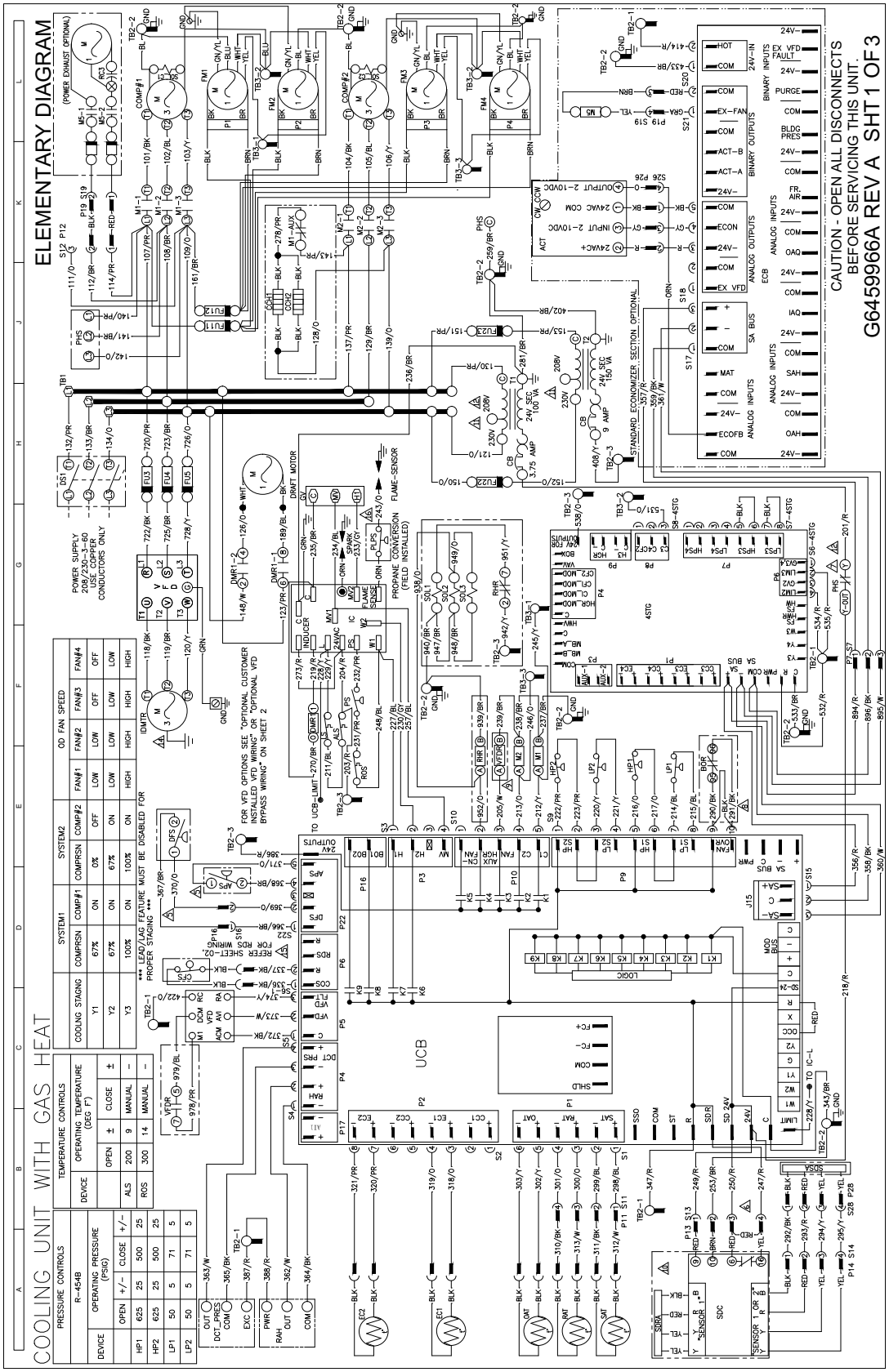
Typical KT049-061 460/575 V and KT037 575 V cooling units with/without electric heat wiring diagram



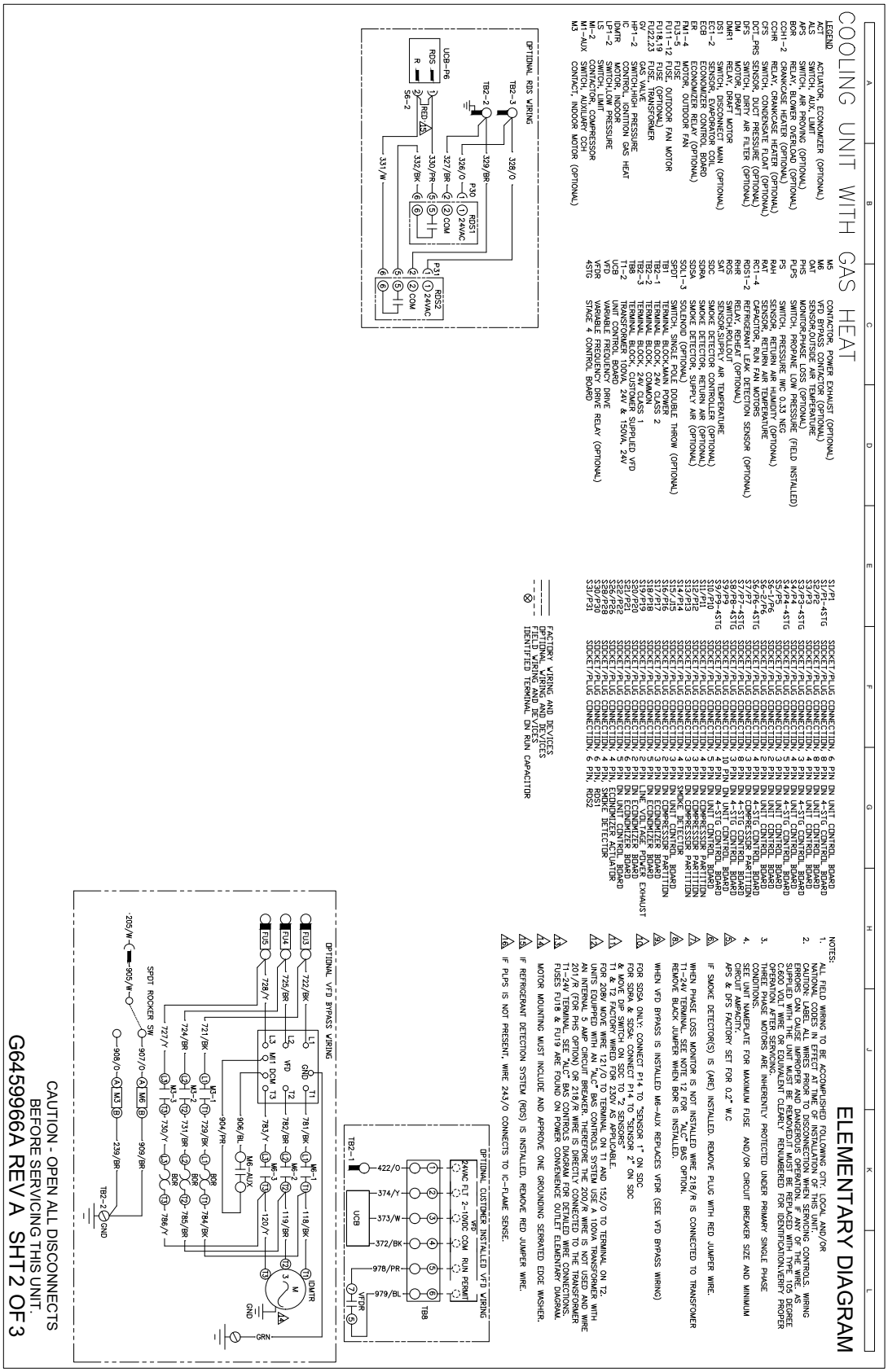
Typical KT049-061 460/575 V and KT037 575 V cooling units with/without electric heat wiring diagram



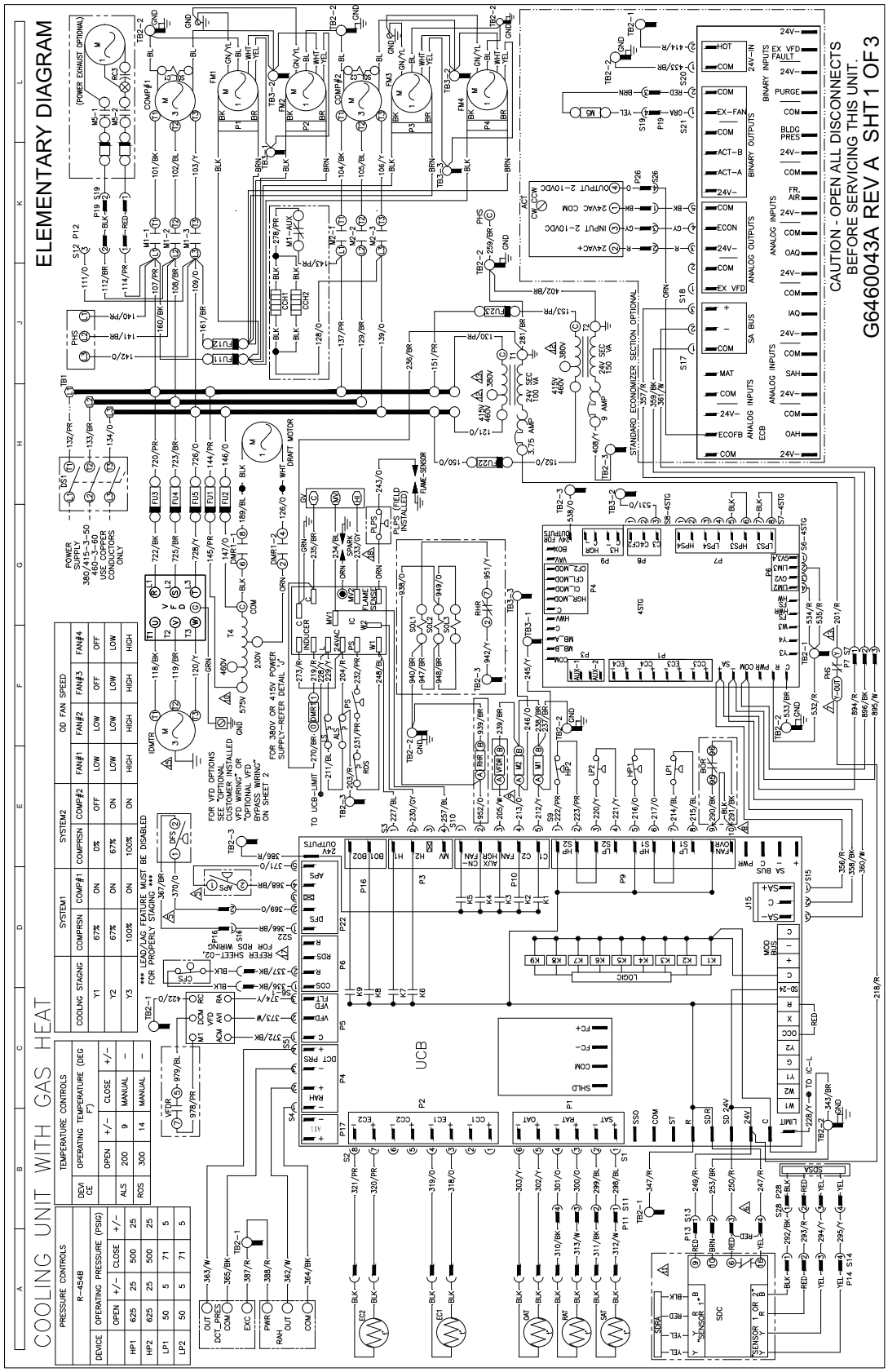
Typical KT078-150 cooling unit with gas heat 208/230 volt wiring diagram



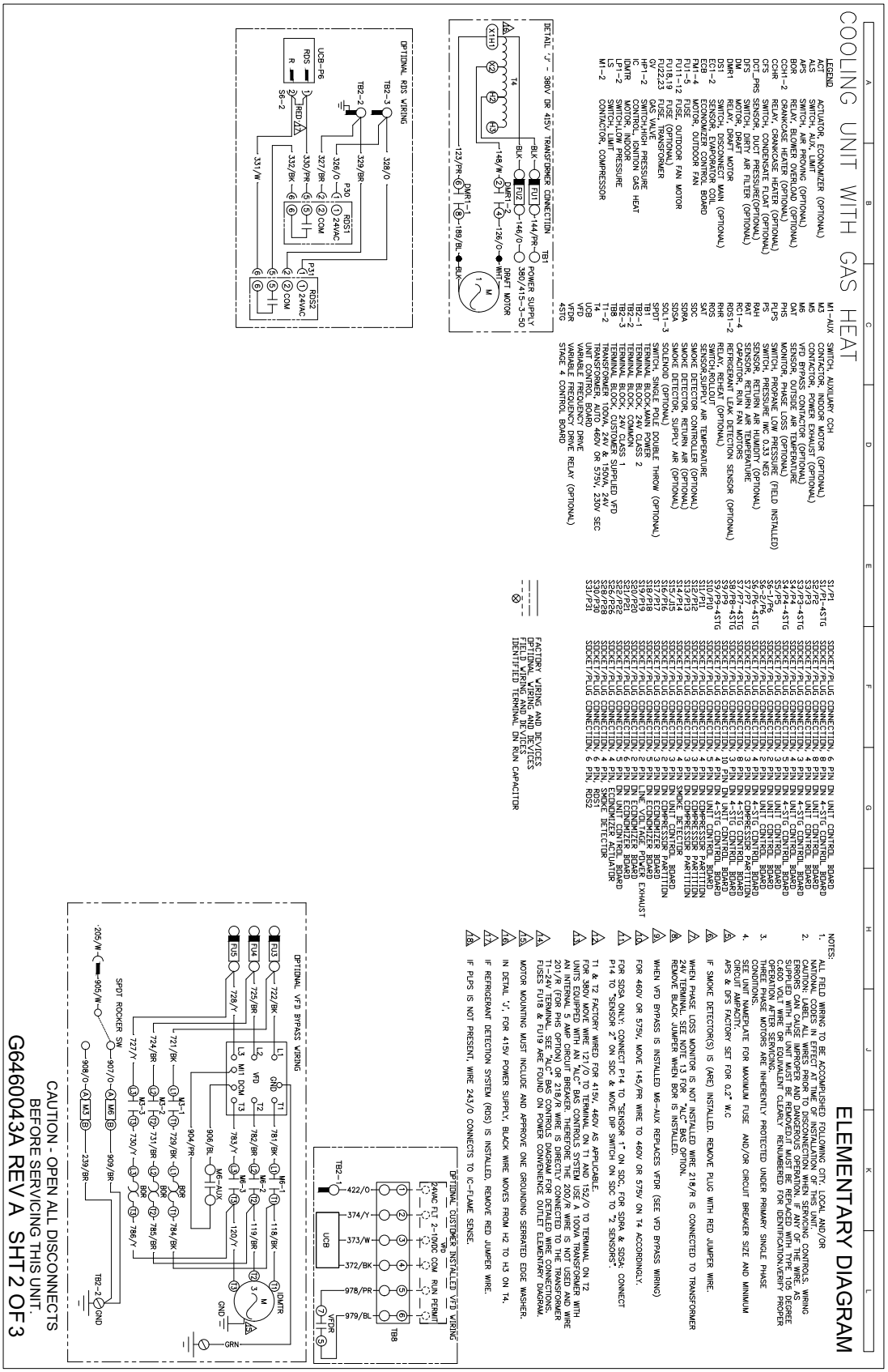
Typical KT078-150 cooling unit with gas heat 208/230 volt unit (options)



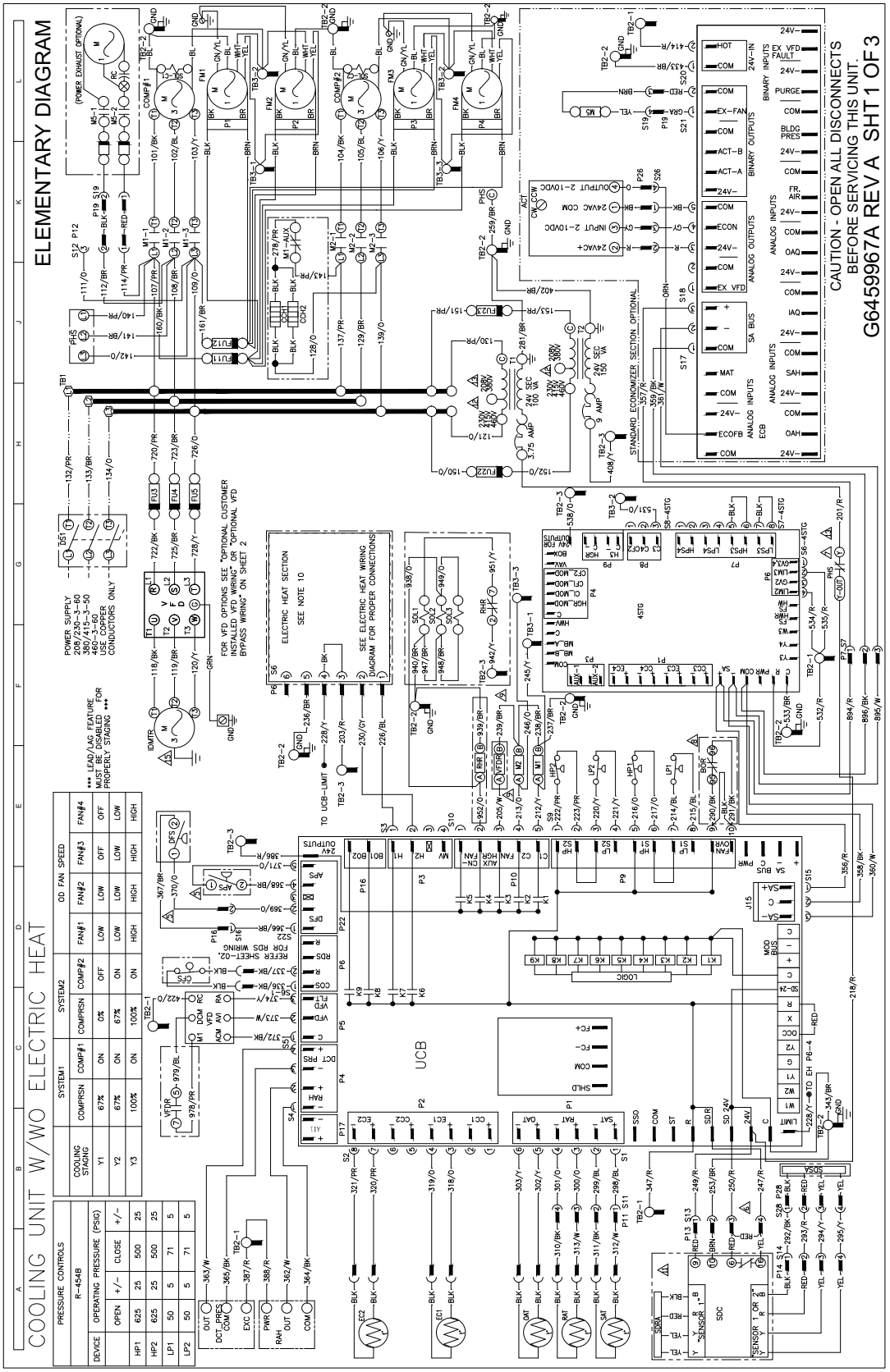
Typical KT078-150 cooling unit with gas heat 460 volt wiring diagram



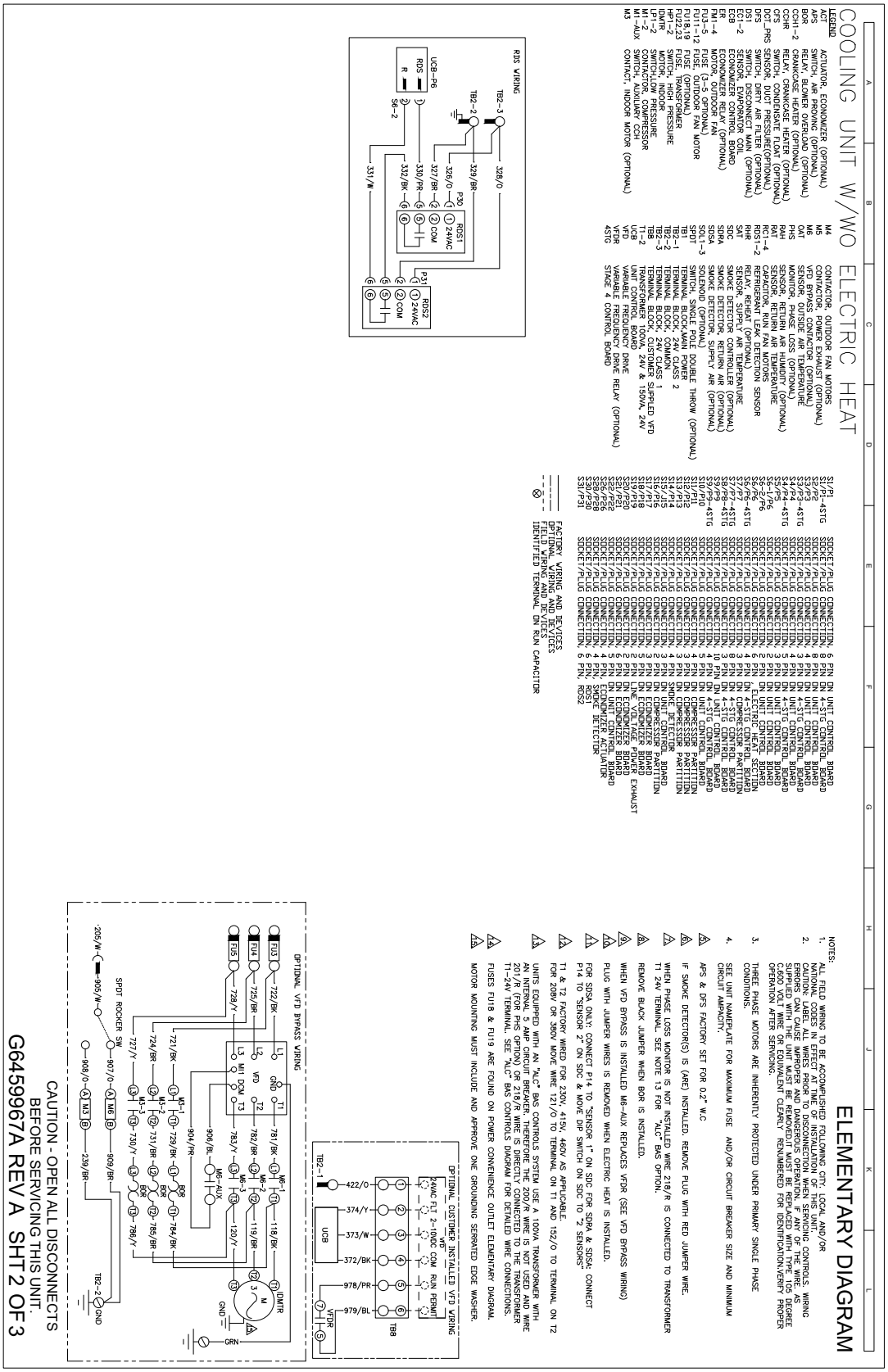
Typical KT078-150 cooling unit with gas heat 460 volt unit (options)



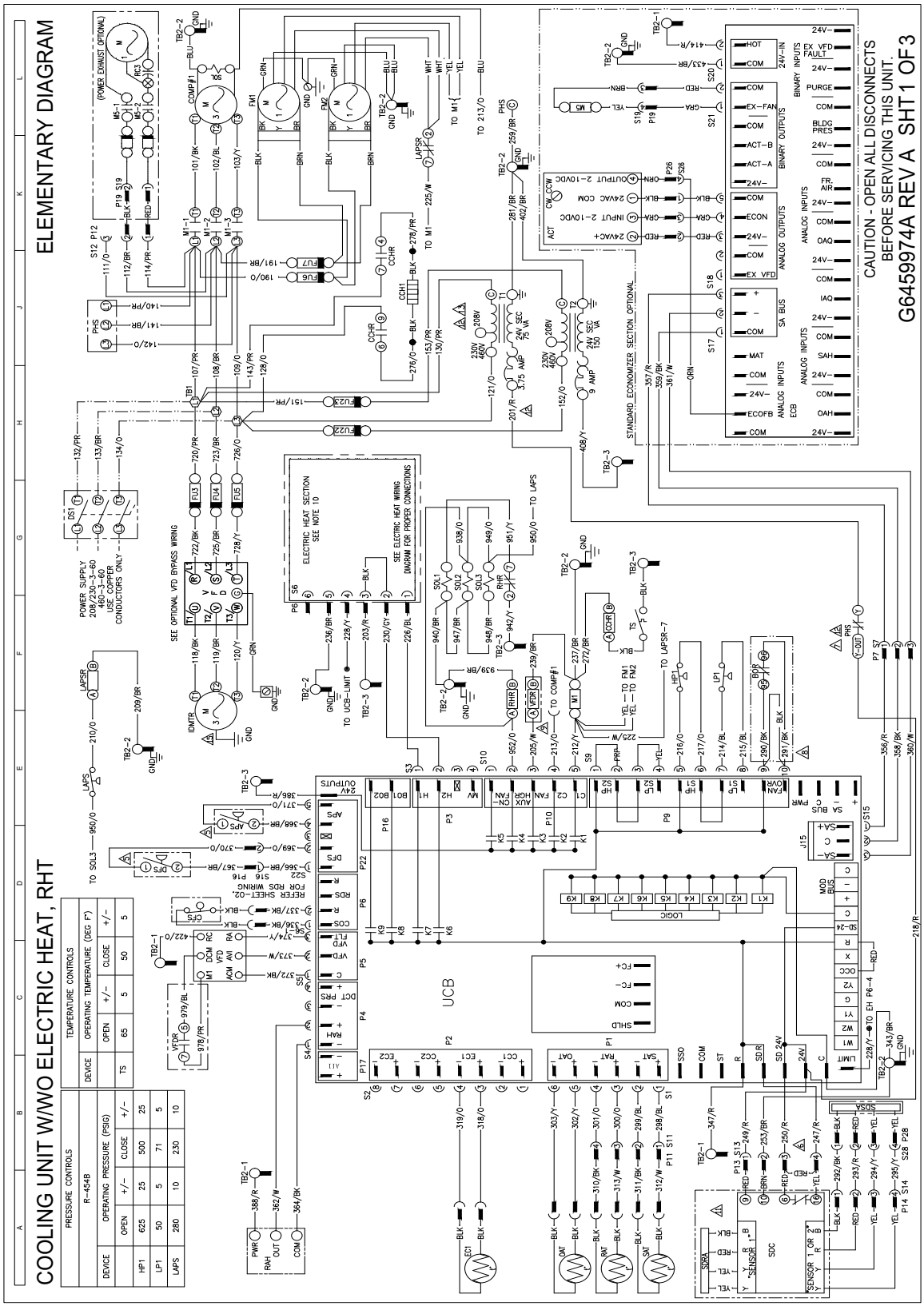
Typical KT078-150 cooling unit with/without electric heat wiring diagram



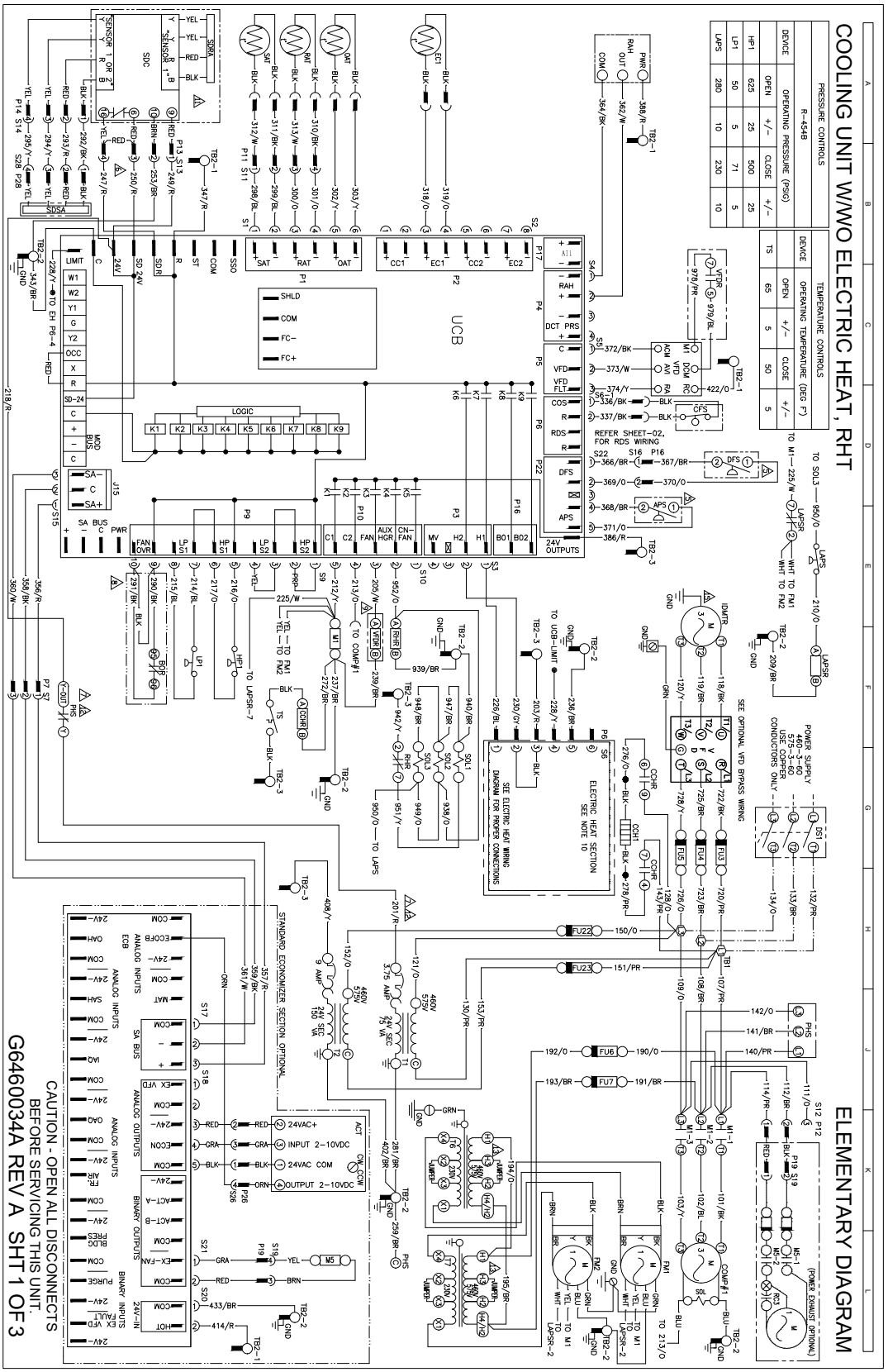
Typical KT078-150 cooling unit with/without electric heat unit (options)



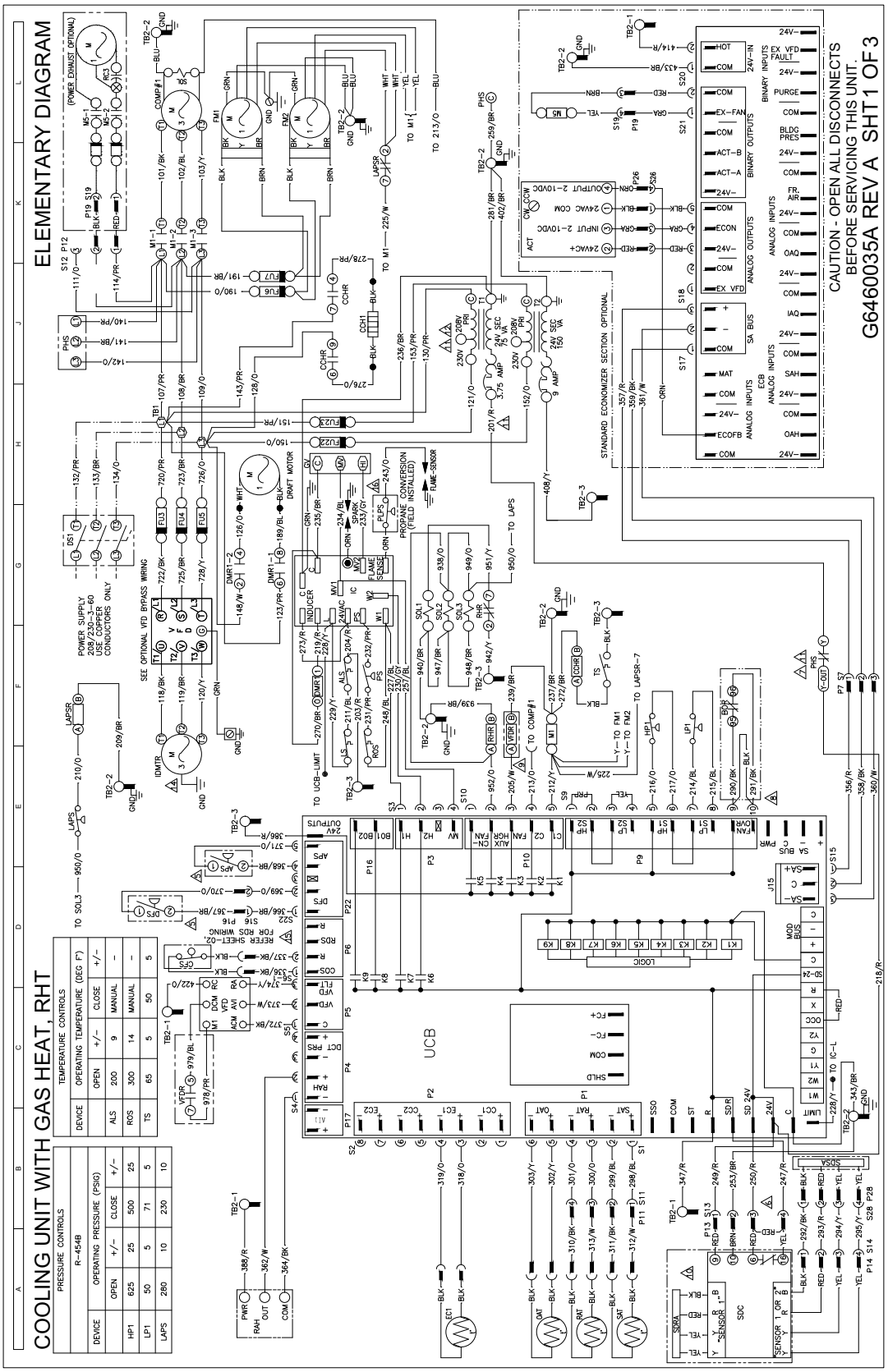
Typical KT037-061 208/230 volt, KT037 460 volt cooling unit with/without electric heat with reheat wiring diagram



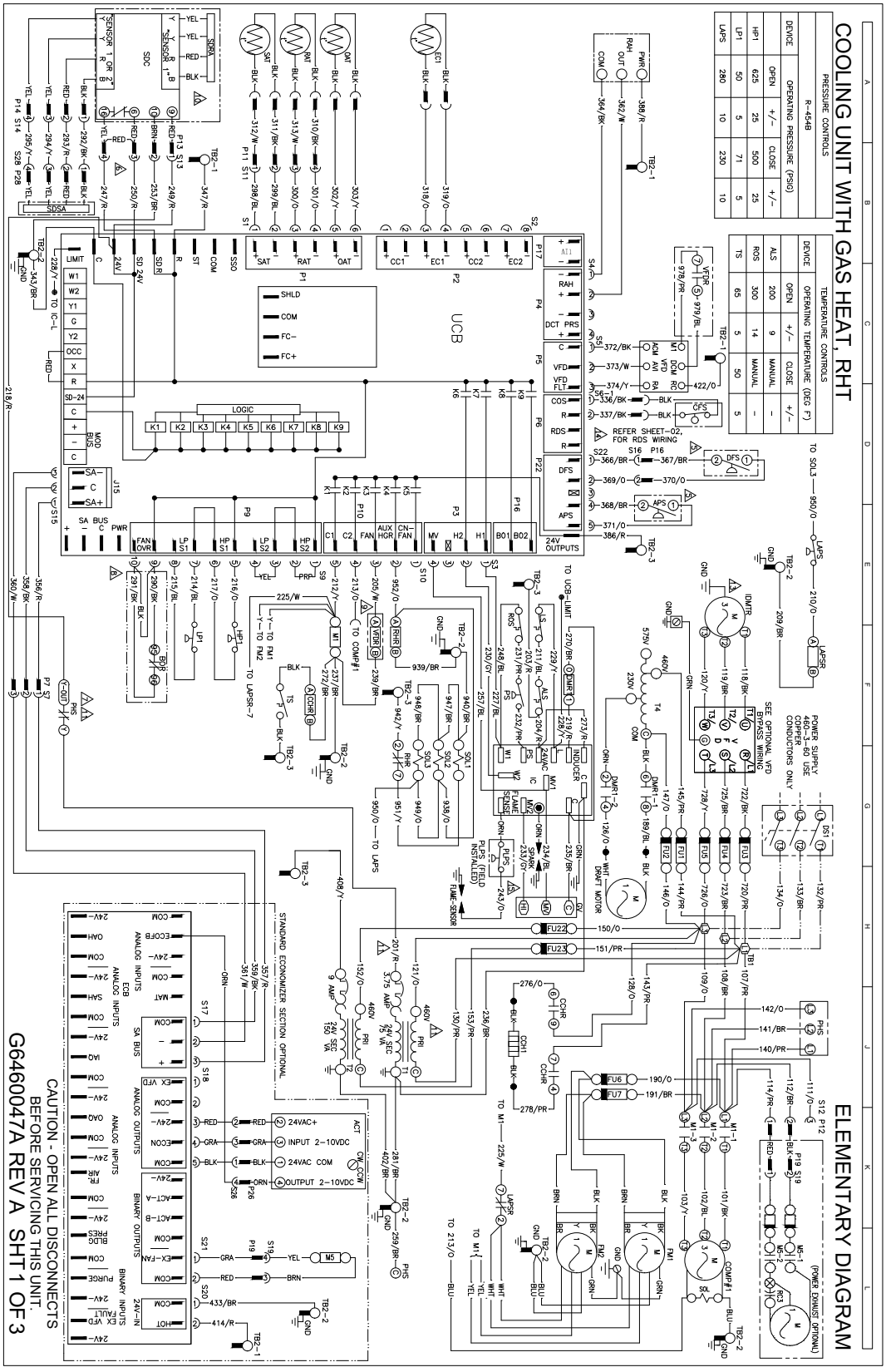
Typical KT049-061 460/575 volt, KT037 575 volt cooling unit with/without electric heat with reheat wiring diagram



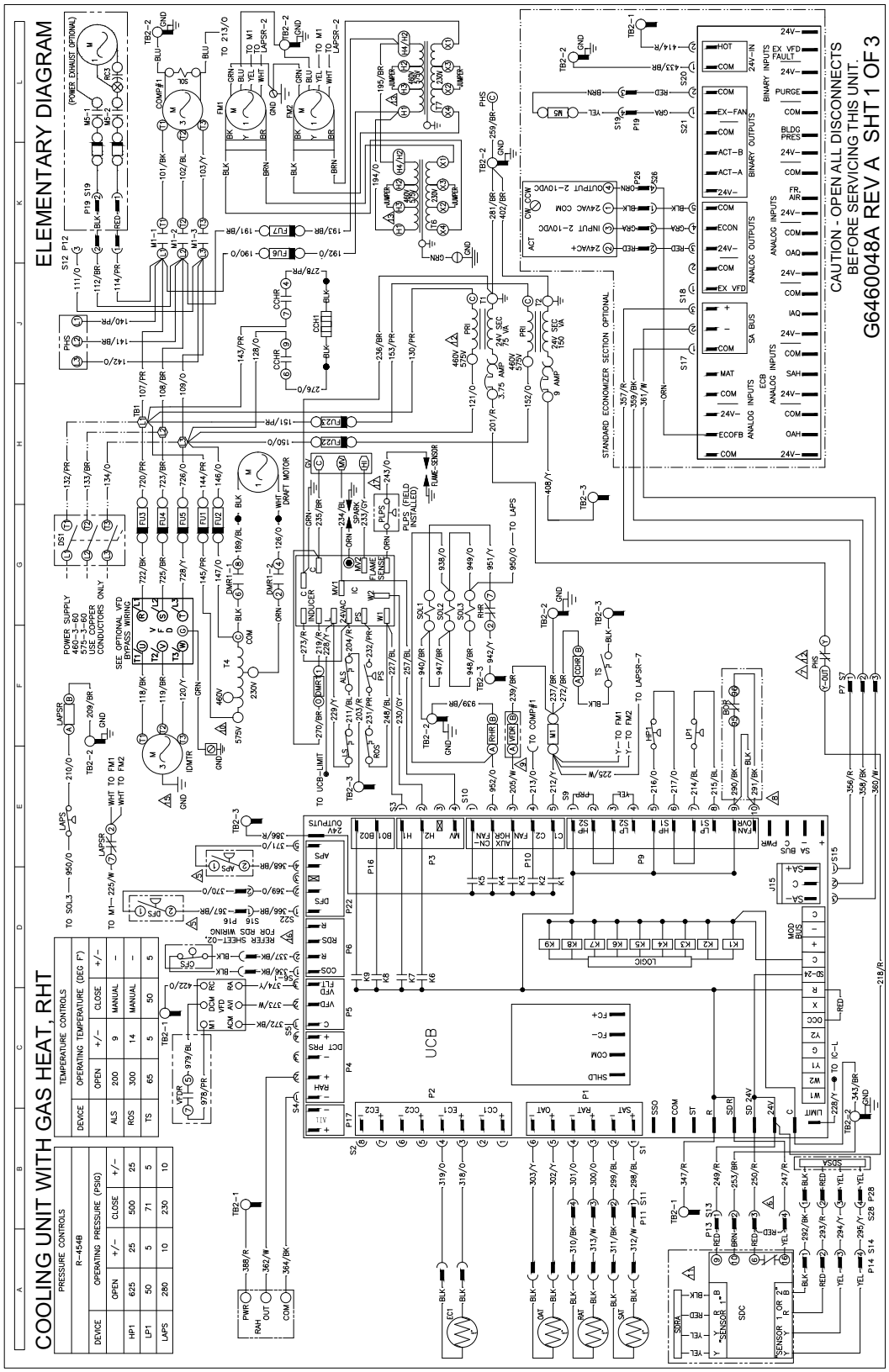
Typical KT037-061 cooling unit with gas heat with reheat 208/230 volt wiring diagram



Typical KT037 460 volt cooling unit with gas heat with reheat wiring diagram

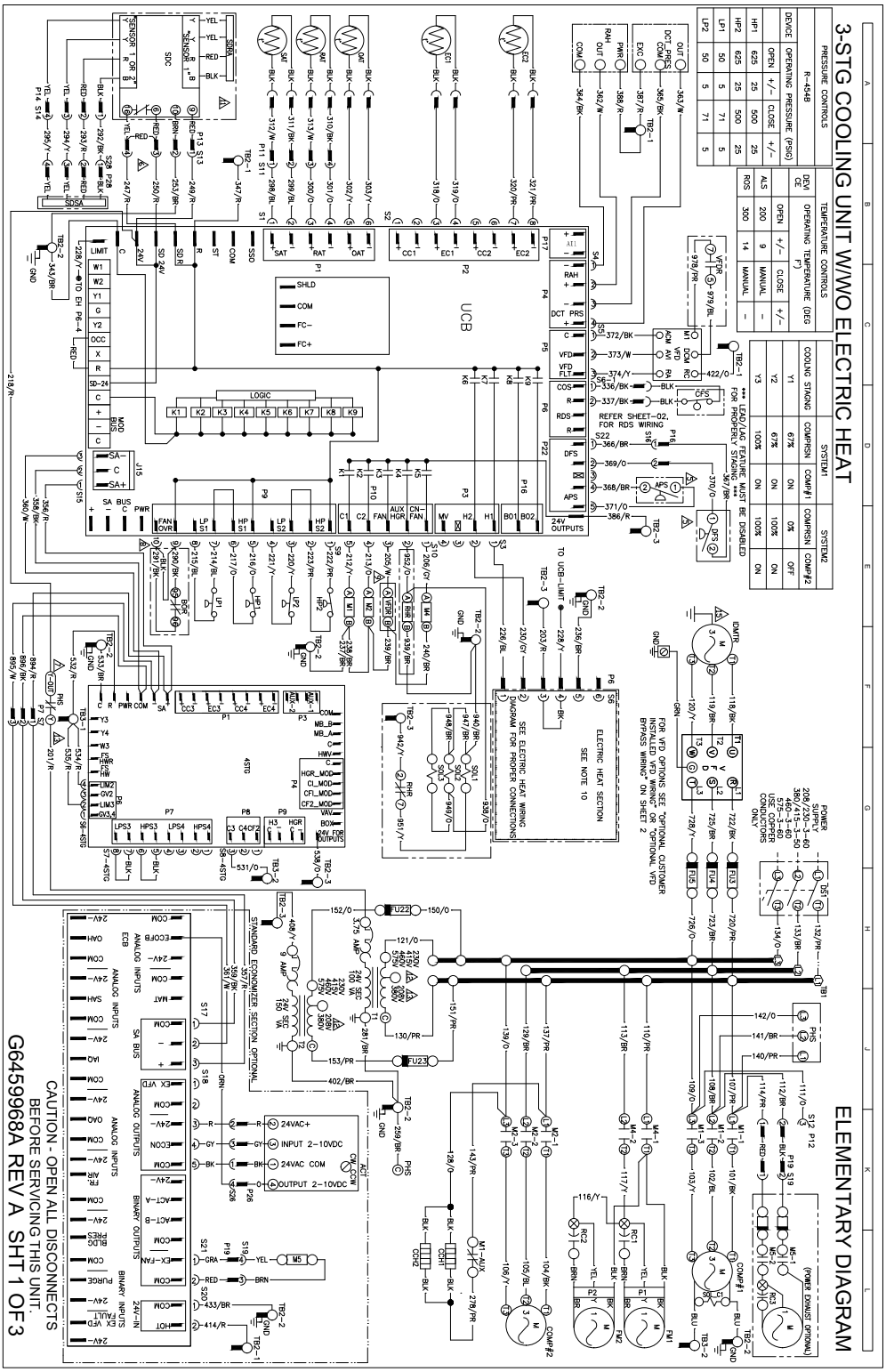


Typical KT049-061 460/575 volt, KT037 575 volt cooling unit with gas heat with reheat wiring diagram

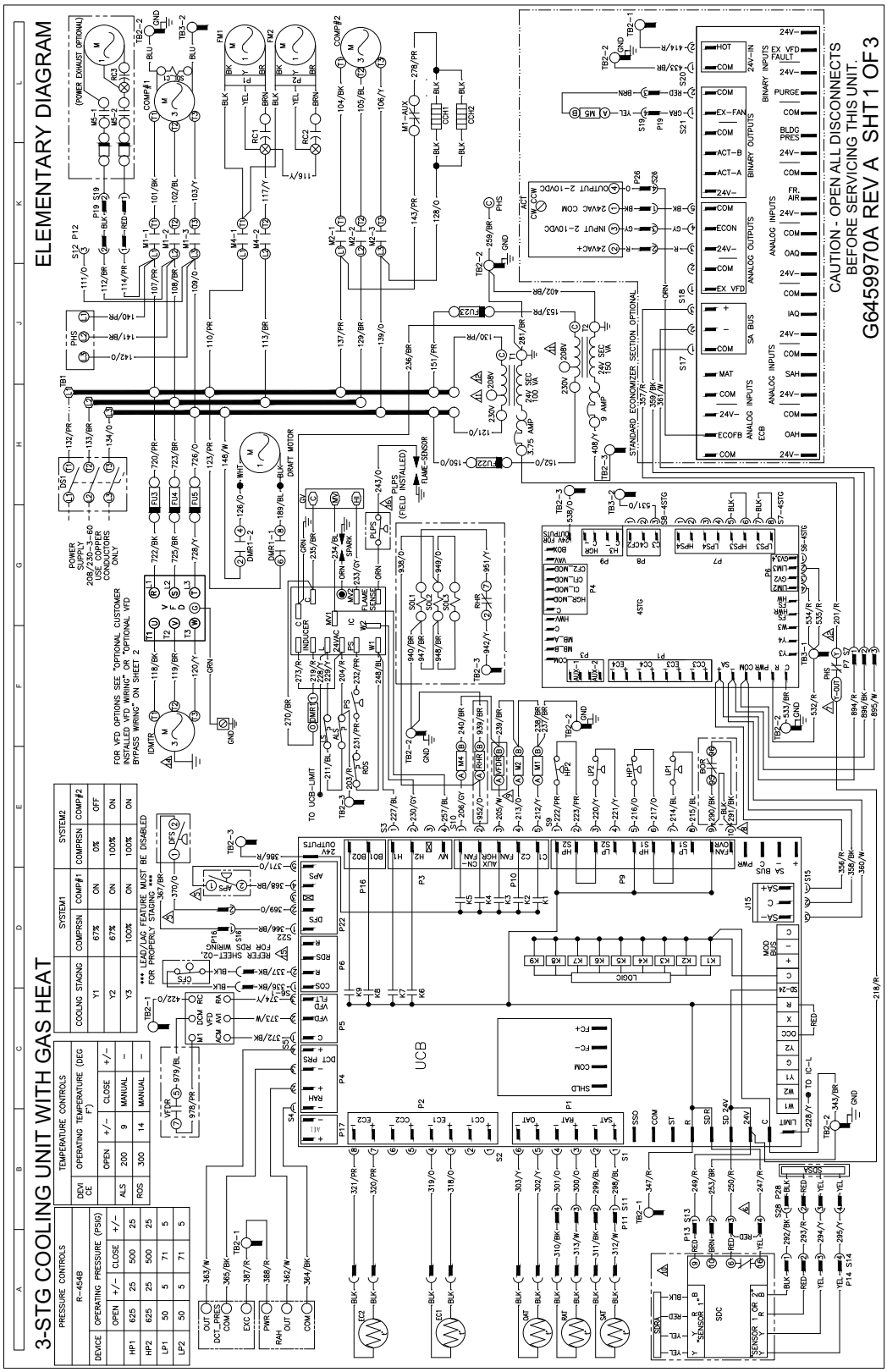


KB078-150 typical wiring diagrams

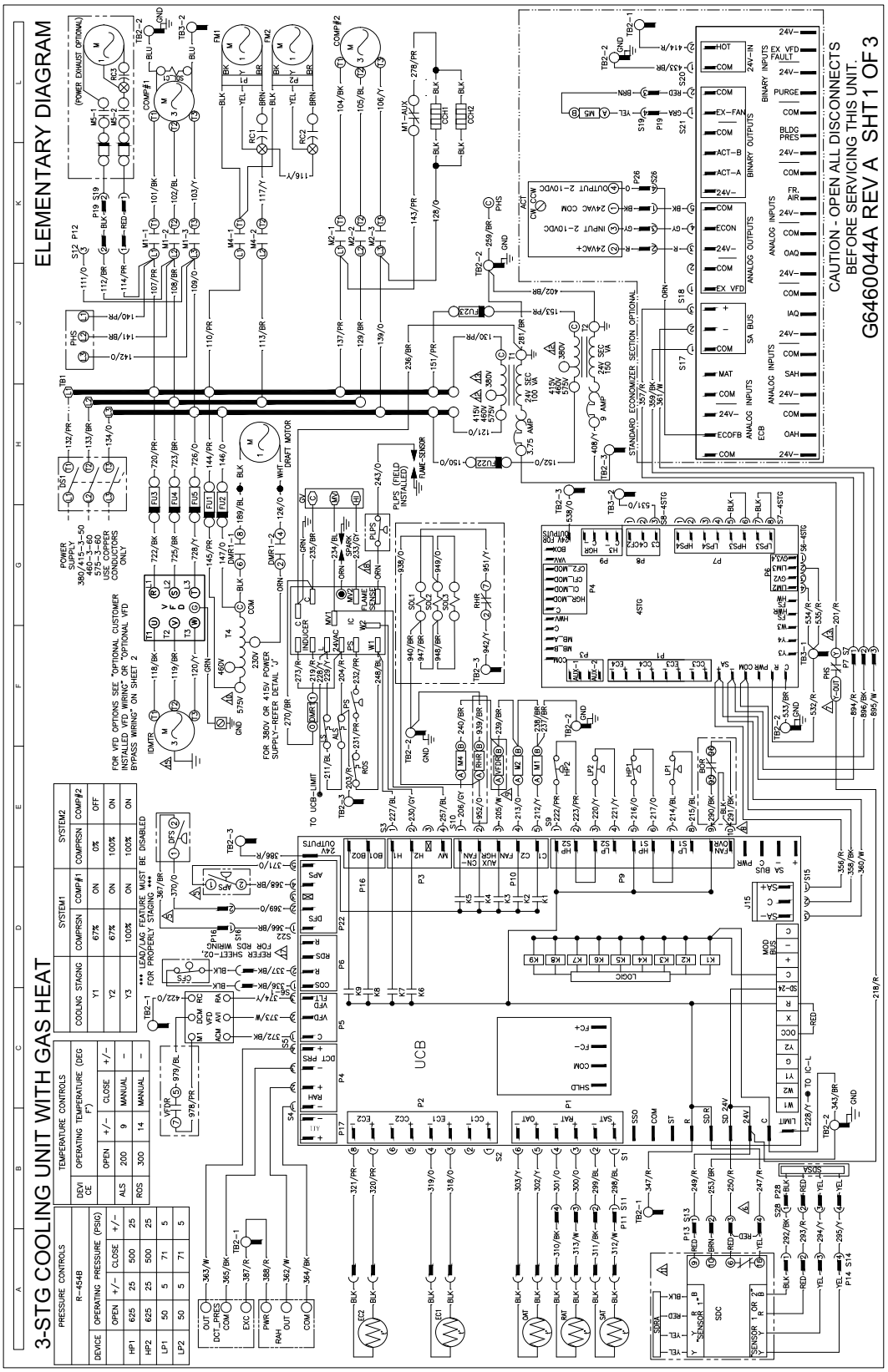
Typical KB078-120 3-stage cooling unit with/without electric heat wiring diagram



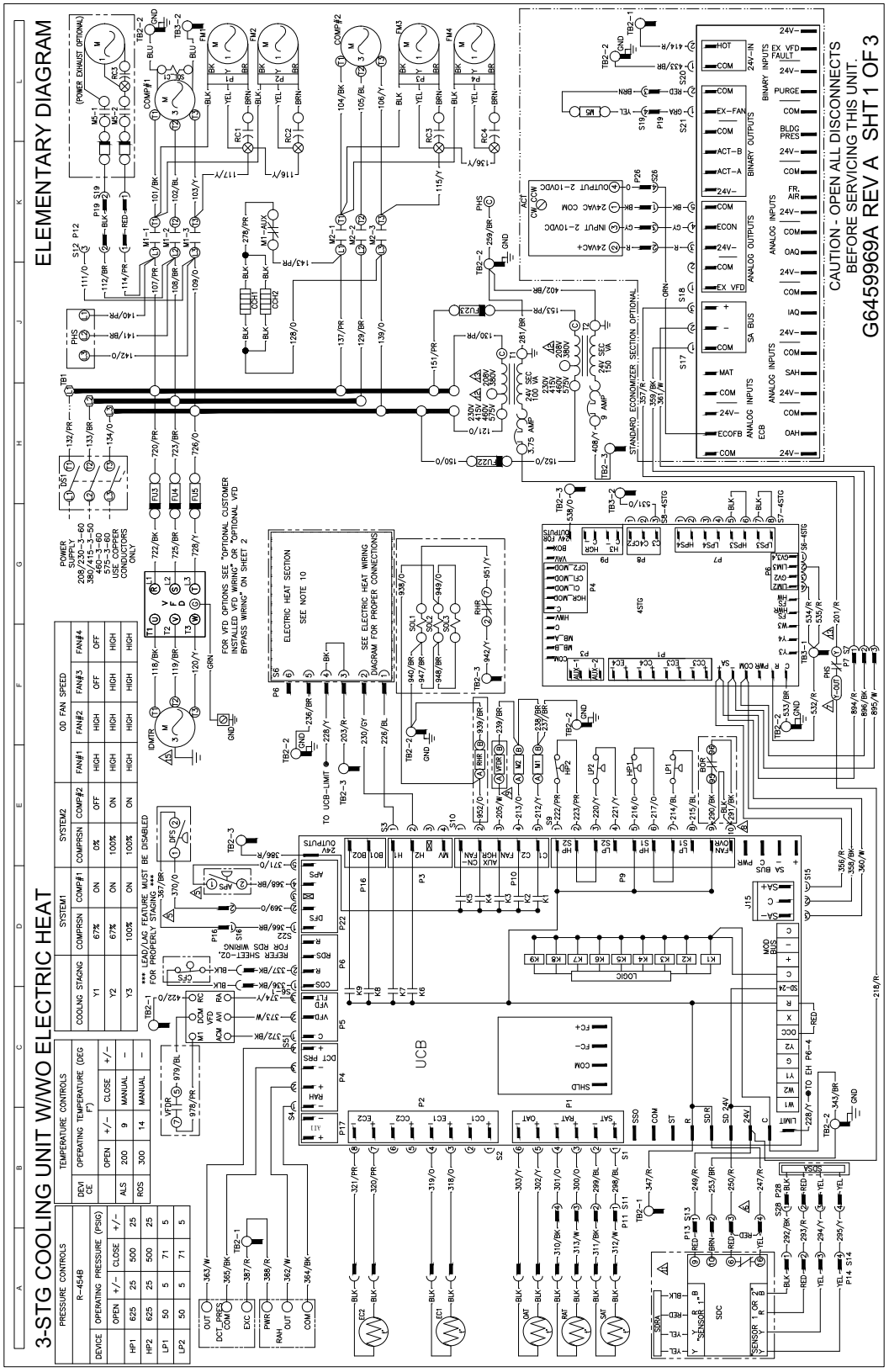
Typical KB078-120 3-stage cooling 208/230-3-60 volt unit with gas heat wiring diagram



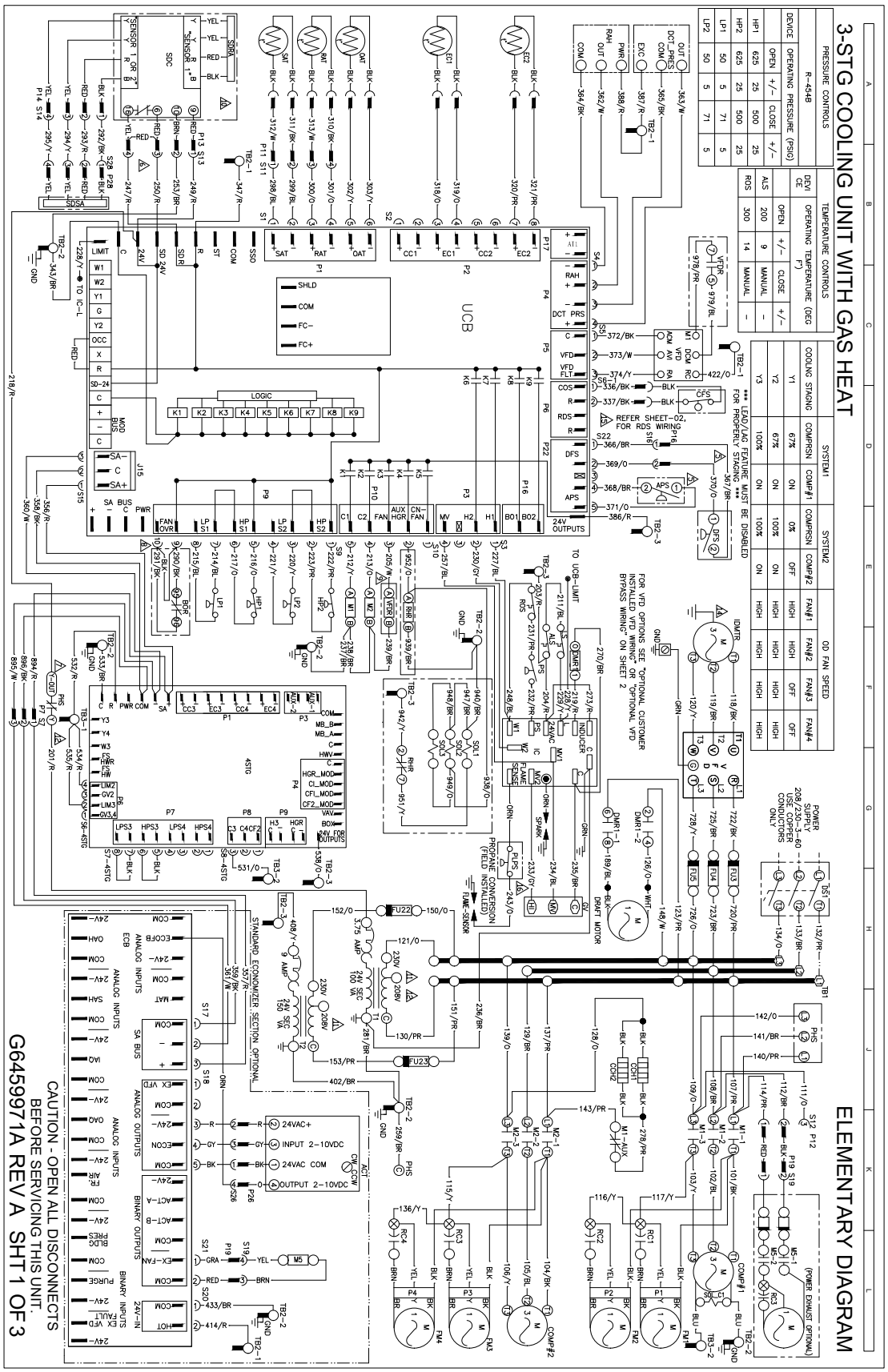
Typical KB078-120 3-stage cooling 460-3-60 and 575-3-60 volt units with gas heat wiring diagram



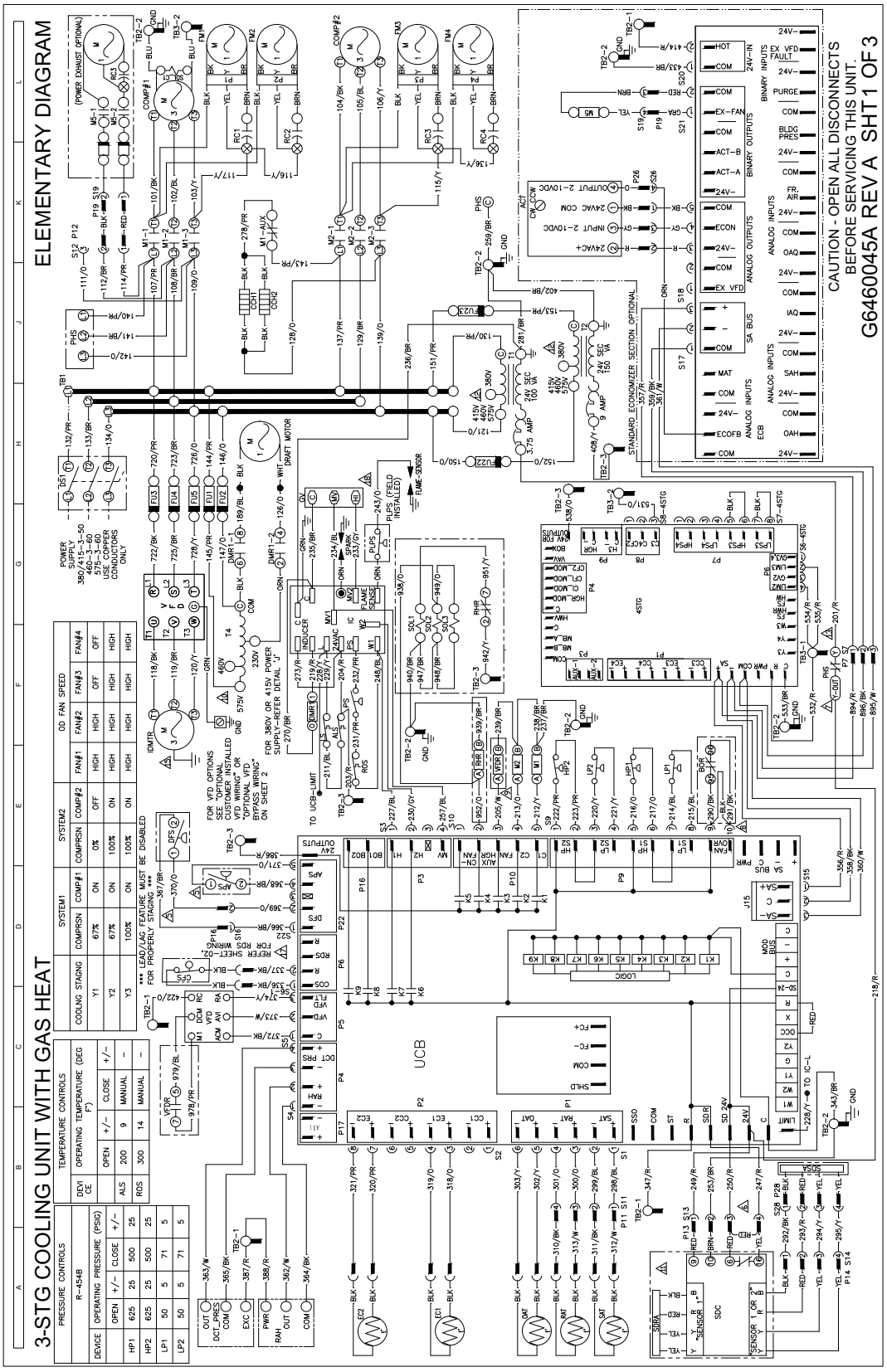
Typical KB150 3-stage cooling unit with/without electric heat wiring diagram



Typical KB150 3-stage cooling 208/230-3-60 volt unit with gas heat wiring diagram

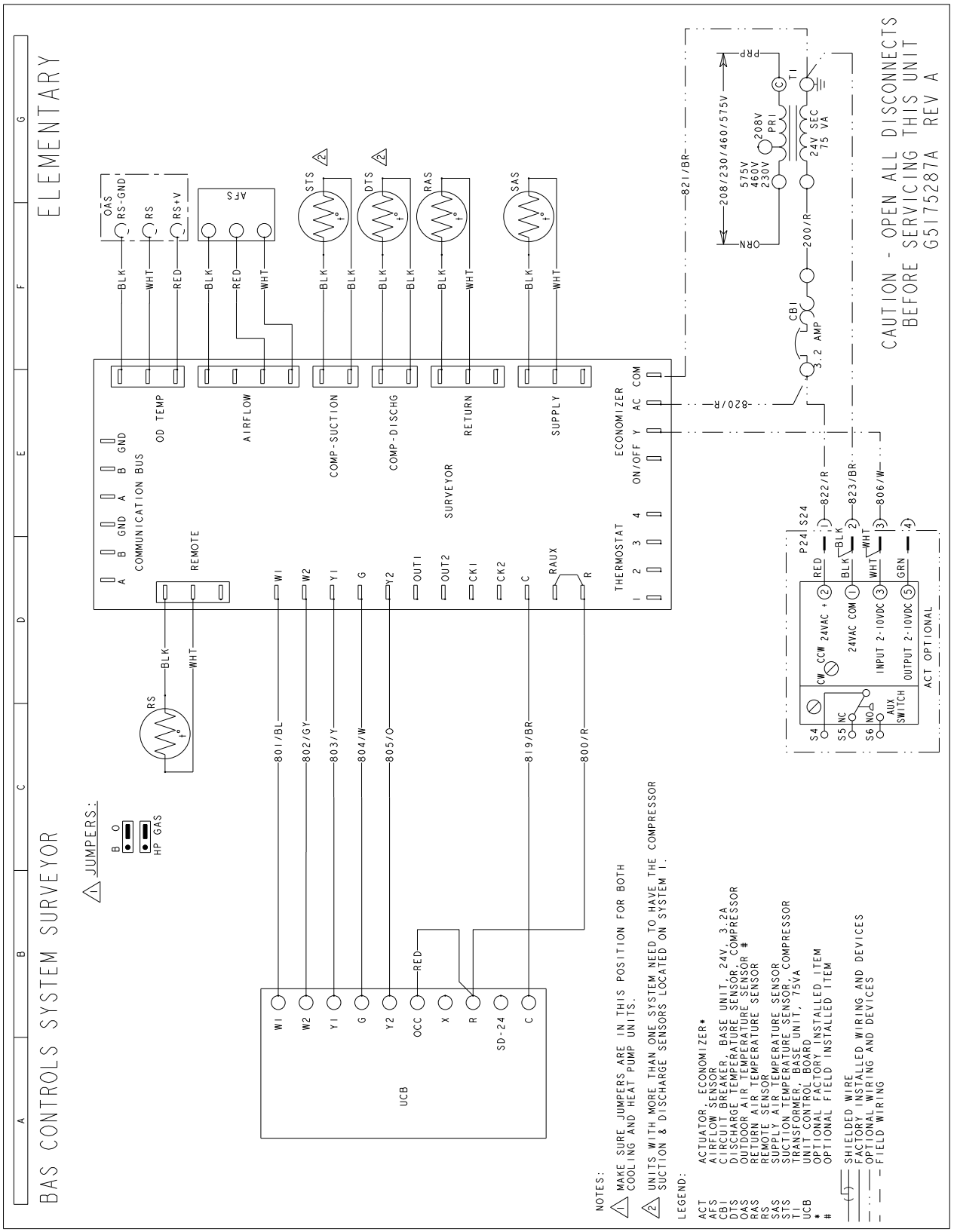


Typical KB150 3-stage cooling 460-3-60 and 575-3-60 volt units with gas heat wiring diagram



BAS controls typical wiring diagrams

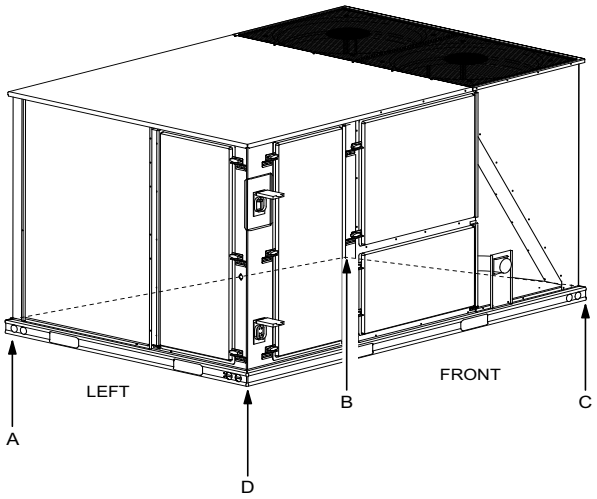
Typical SURVEYOR BAS control wiring diagram



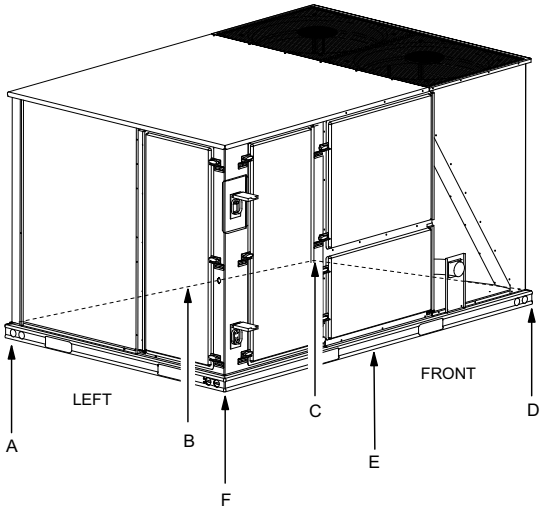
Weights and dimensions

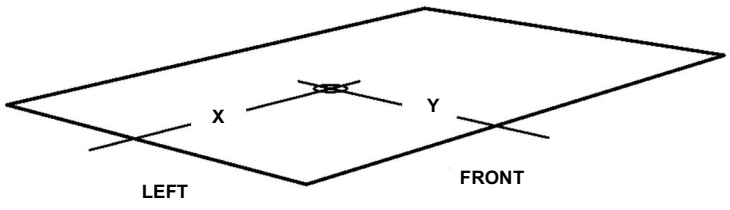
KT037-150/KB078-150 unit weights

Unit 4 point load weight



Unit 6 point load weight





KT037-150 standard unit weights

Size (ton)	Model	Weight (lb.)		Center of gravity		4 point load location (lb.)				6 point load location (lb.)					
		Shipping	Operating	X	Y	A	B	C	D	A	B	C	D	E	F
037 (3)	KT	927	922	42.4	24.7	202	184	255	281	137	128	121	168	178	190
049 (4)	KT	935	930	41.2	25.1	212	183	247	287	145	131	119	161	177	196
061 (5)	KT	973	968	41.6	25.5	223	196	257	293	152	139	128	168	183	199
078 (6.5)	KT	1287	1282	47.25	24.00	245	277	404	357	160	173	188	275	253	233
090 (7.5)	KT	1288	1283	48.25	25.34	252	299	397	335	164	183	205	272	242	217
102 (8.5)	KT	1289	1284	47.25	24.75	253	286	396	350	165	179	195	269	248	228
120 (10)	KT	1465	1460	45.00	25.50	312	319	419	410	207	210	214	280	276	272
150 (12.5)	KT	1483	1478	49.75	24.50	271	343	483	381	174	202	238	335	285	244

KT078-150 with MagnaDry option unit weights

Size (ton)	Model	Weight (lb.)		Center of gravity		4 point load location (lb.)				6 point load location (lb.)					
		Shipping	Operating	X	Y	A	B	C	D	A	B	C	D	E	F
037 (3)	KT	875	870	42	25	191	174	241	265	129	121	114	158	168	179
049 (4)	KT	910	905	43	26	204	187	245	268	138	130	123	161	171	182
061 (5)	KT	910	905	42	26	208	183	240	274	142	130	119	157	171	186
078 (6.5)	KT	1293	1288	47.25	24.00	246	278	406	358	161	174	189	276	254	234
090 (7.5)	KT	1298	1293	48.25	25.34	254	301	400	338	165	184	207	274	244	219
102 (8.5)	KT	1309	1304	47.25	24.75	257	290	402	355	168	182	198	274	251	232
120 (10)	KT	1486	1481	45.00	25.50	316	324	425	416	210	213	217	285	280	276
150 (12.5)	KT	1503	1498	49.75	24.50	274	348	490	386	176	205	241	340	288	248

KB078-150 standard unit weights

Size (ton)	Model	Weight (lb.)		Center of gravity		4 point load location (lb.)				6 point load location (lb.)					
		Shipping	Operating	X	Y	A	B	C	D	A	B	C	D	E	F
078 (6.5)	KB	1035	1030	39.6	25.3	245	197	262	327	170	146	126	168	194	226
090 (7.5)	KB	1085	1080	38.7	23.7	245	189	281	365	171	142	121	180	212	255
102 (8.5)	KB	1089	1084	38.4	24.4	255	193	274	361	178	147	123	175	208	252
120 (10)	KB	1090	1085	38.8	24.8	257	199	274	355	179	150	127	175	207	247
150 (12.5)	KB	1285	1280	49.6	24.1	231	291	422	335	149	172	202	292	249	215

KB078-150 MagnaDry option unit weights

Size (ton)	Model	Weight (lb.)		Center of gravity		4 point load location (lb.)				6 point load location (lb.)					
		Shipping	Operating	X	Y	A	B	C	D	A	B	C	D	E	F
078 (6.5)	KB	1085	1080	40	25	257	206	274	342	178	153	133	177	203	237
090 (7.5)	KB	1123	1118	38	24	261	194	283	380	183	149	123	180	217	266
102 (8.5)	KB	1140	1135	38	24	267	203	287	378	186	154	129	183	218	264
120 (10)	KB	1125	1120	39	25	266	205	283	366	185	155	131	181	213	255
150 (12.5)	KB	1400	1395	50	24	252	318	460	365	162	188	220	319	272	235

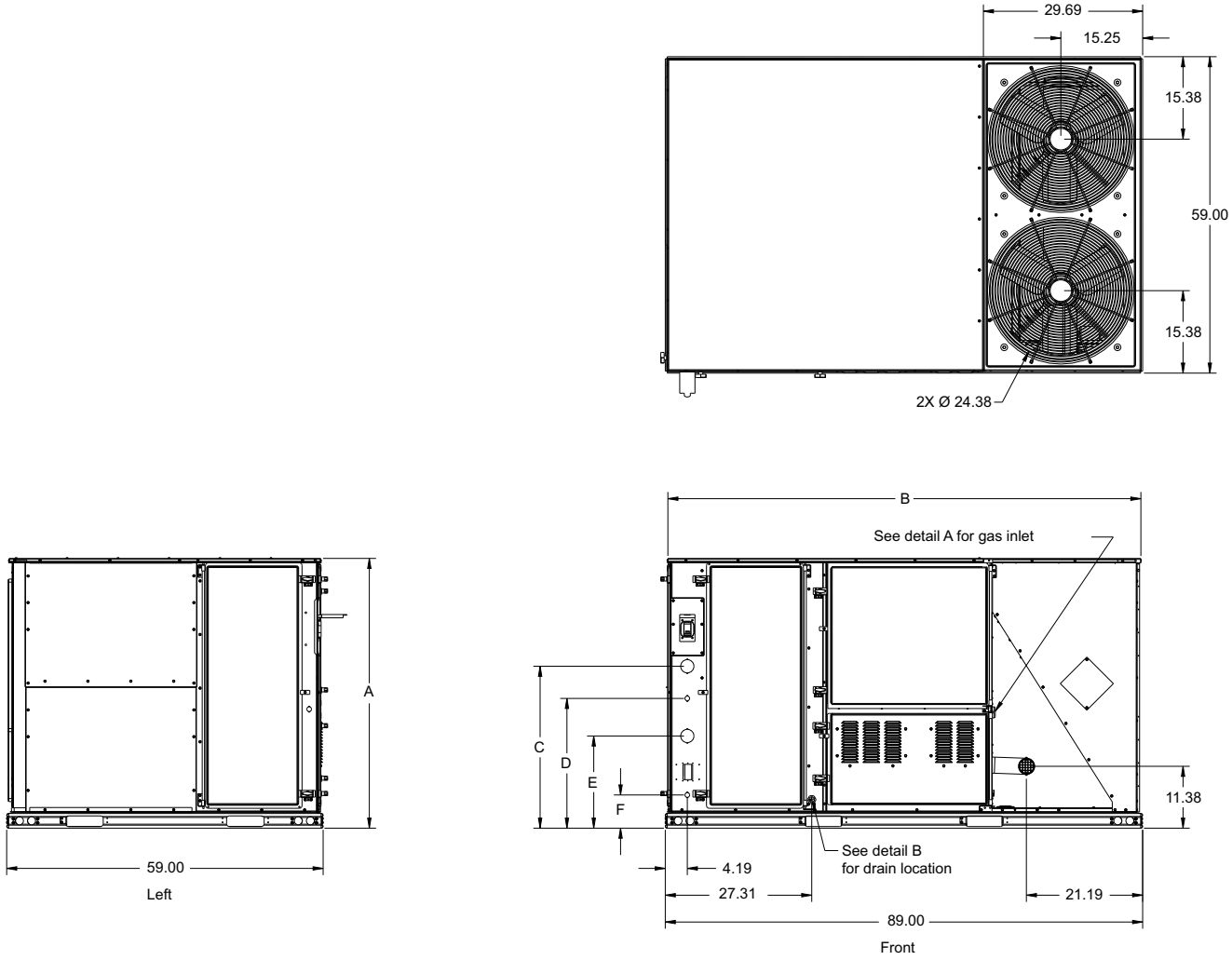
KT037-150/KB078-150 unit accessory weights

Unit accessory	Weight (lb.)	
	Shipping	Operating
Economizer	90	85
Power exhaust	40	35
Electric heat[1]	49	49
Gas heat[2]	110	110
Variable frequency drive[3]	30	30

1. Weight given is for the maximum heater size available (54KW).
2. Weight given is for the maximum number of tube heat exchangers available (8 tube).
3. Weight includes mounting hardware, controls and manual bypass option (3 to 5 ton only).

KT037-150/KB078-150 unit dimensions

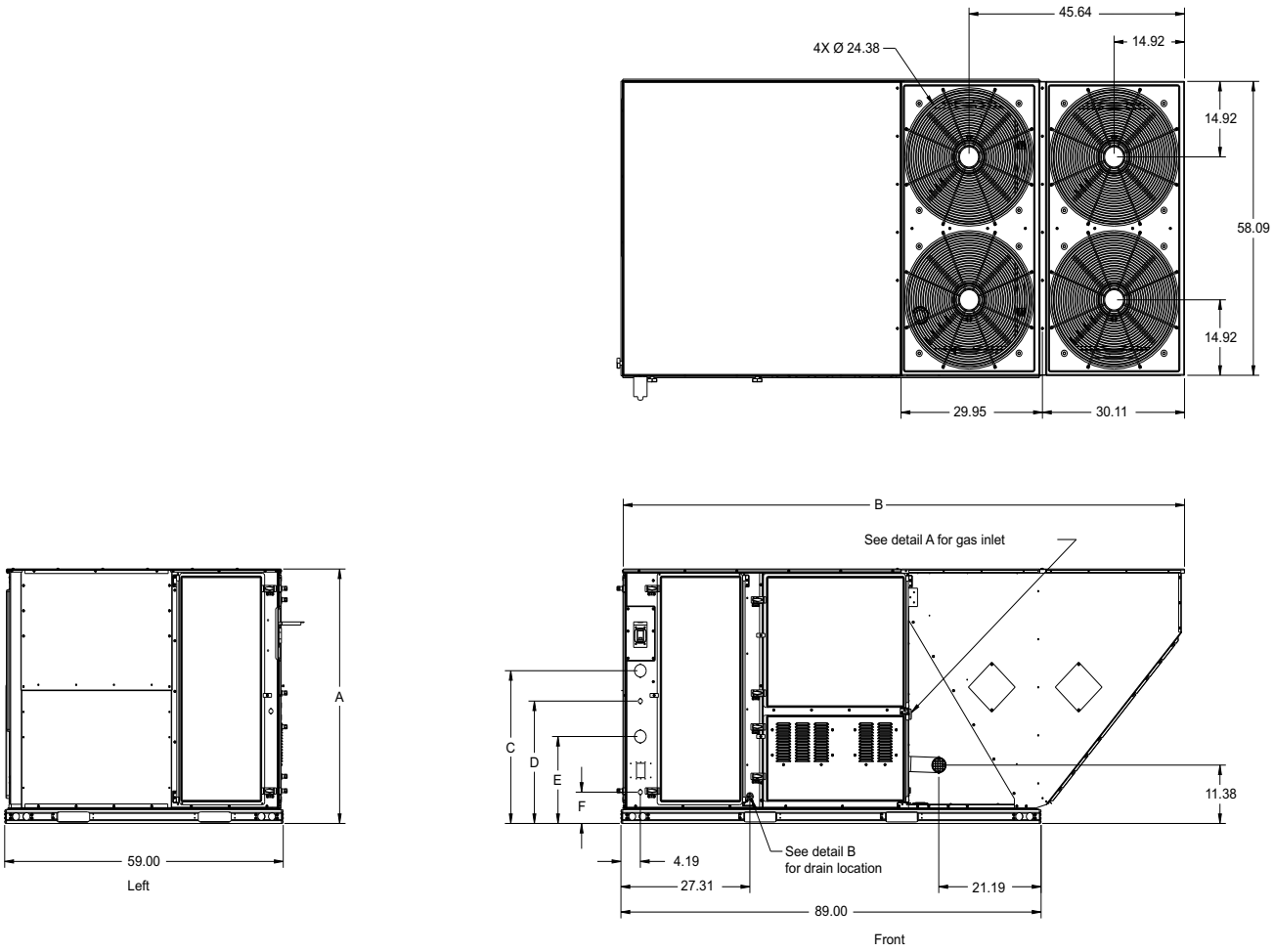
KT037 - 061/ KB078-120



KT037-061/KB078-120 unit physical dimensions

Unit model number	Dimension (in.)					
	A	B	C	D	E	F
KT037, 049, 061	42	89	22 1/8	18 3/16	15 3/16	6 3/16
KB078, 090, 102, 120	50 3/4	89	30 3/16	24 3/16	17 3/16	6 3/16

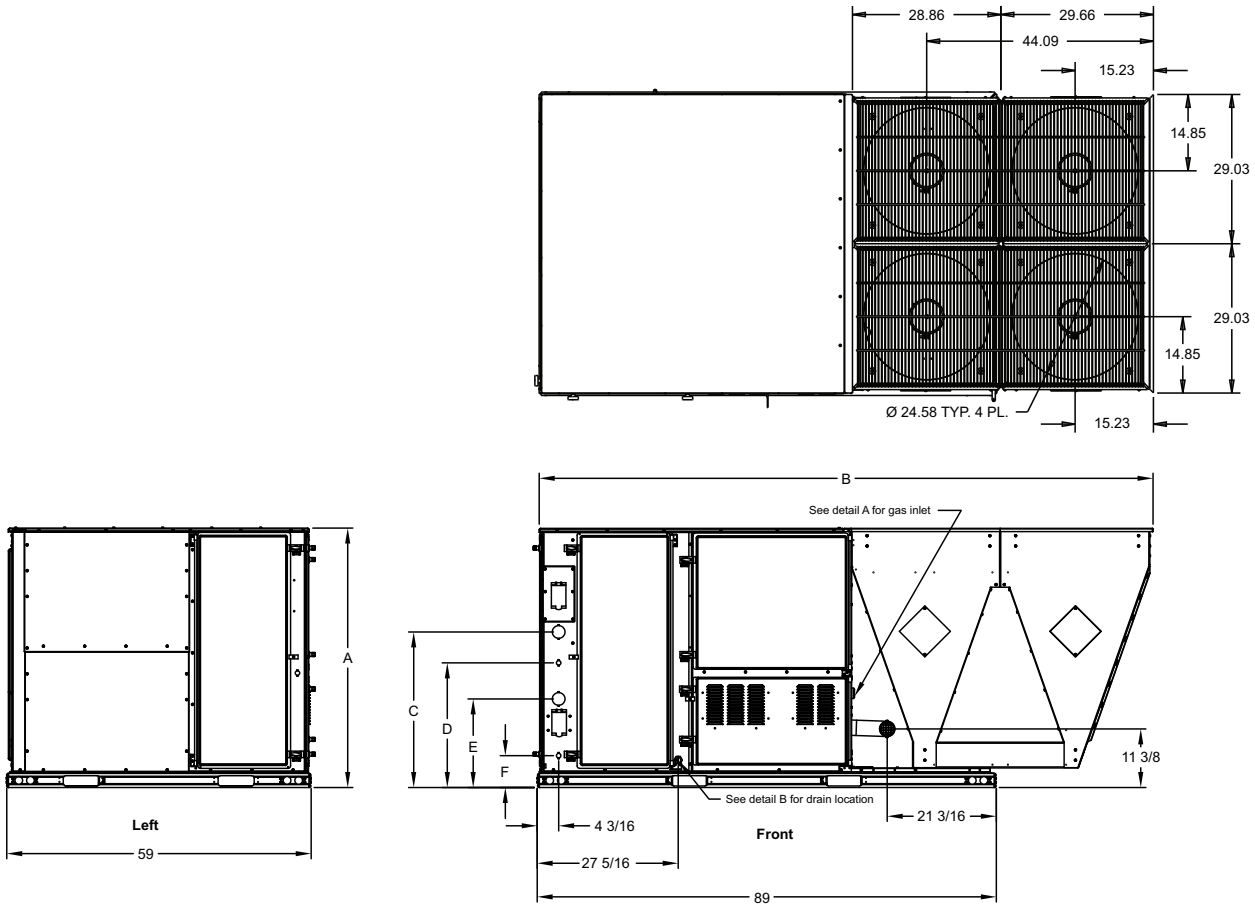
KT078 - KT102



KT078-102 unit physical dimensions

Unit model number	Dimension (in.)					
	A	B	C	D	E	F
078, 090 and 102	50 3/4	119 1/2	30 3/16	24 3/16	17 3/16	6 3/16

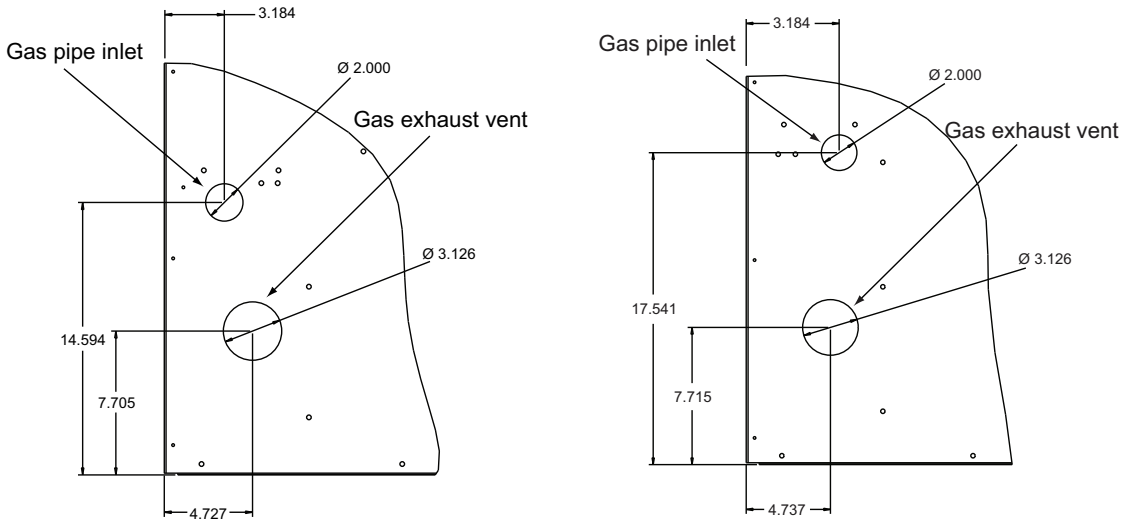
KT120 - KT150/KB150



KT120-150 and KB150 unit physical dimensions

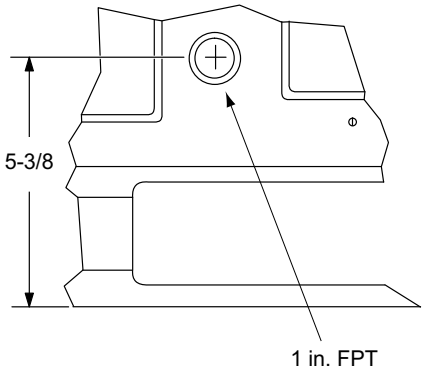
Unit model number	Dimension (in.)					
	A	B	C	D	E	F
KT120 and 150/KB150	50 3/4	119 1/2	30 3/16	24 3/16	17 3/16	6 3/16

Detail A



42 in. cabinet **50 3/4 in. cabinet**

Detail B



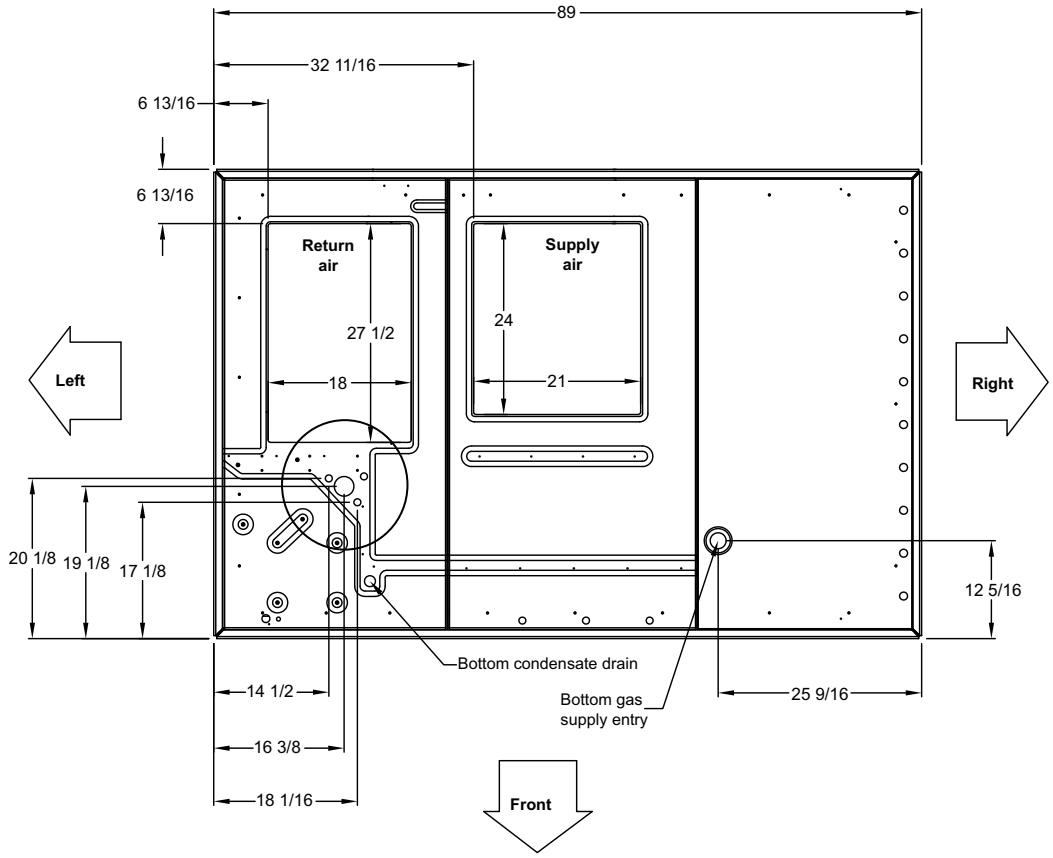
KT037-150/KB078-150 unit clearances

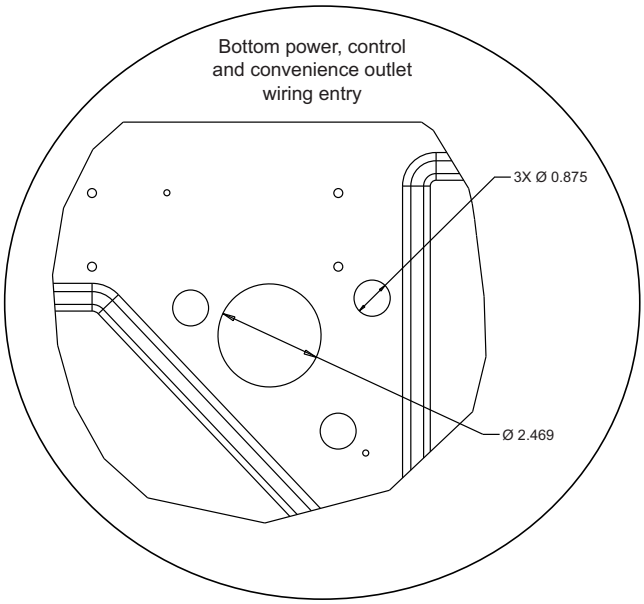
Direction	Distance (in.)	Direction	Distance (in.)
Top[1]	72	Right	12
Front (037-061)	36	Left	36
Front (078-150)	48	Bottom[2]	0
Rear	36[3]		

1. Units must be installed outdoors. make sure that overhanging structure or shrubs do not obscure the condenser air discharge outlet.
2. Units may be installed on combustible floors made from wood or class A, B or C roof covering materials.
3. With economizer, 12 in. without economizer.

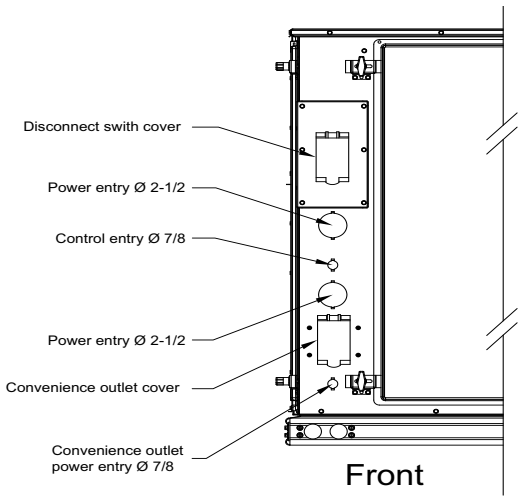
KT037-150/KB078-150 unit bottom duct openings

Top view

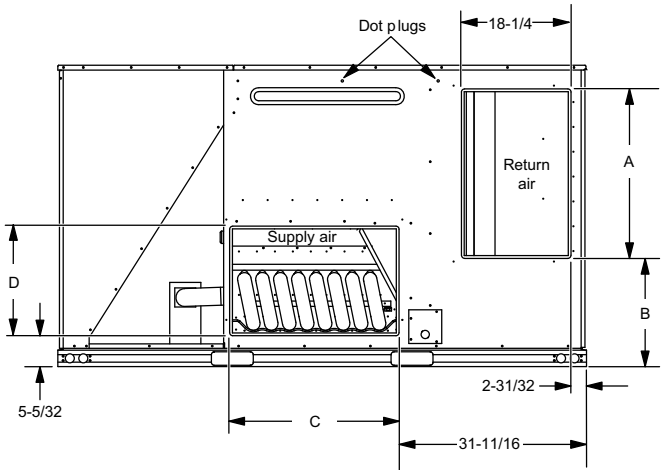




KT037-150/KB078-150 unit electrical entry



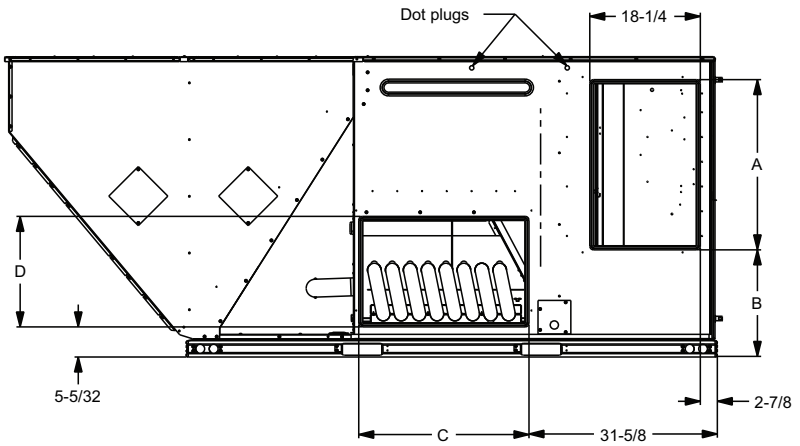
KT037-061/KB078-120 unit side duct openings



KT037-061/KB078-120 side duct dimensions

Unit model number	Dimension (in.)			
	A	B	C	D
KT037, 049, 061	27 3/4	12 1/16	27 1/2	16
KB078, 090, 102, 120	28 1/4	18 1/16	28 1/4	18 1/4

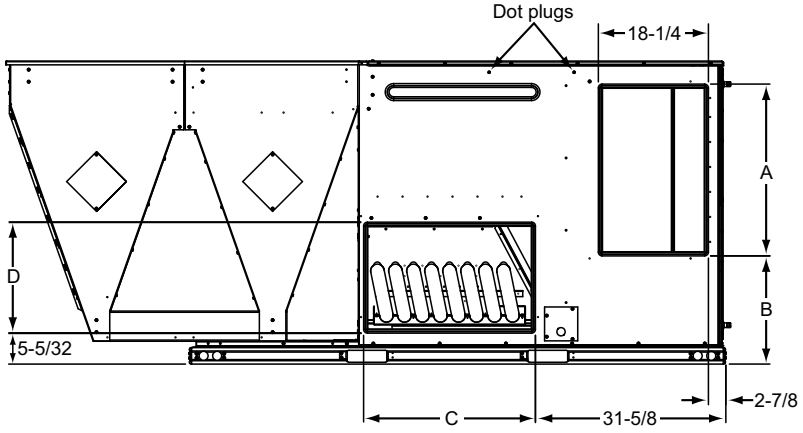
KT078-102 unit side duct openings



KT078-102 side duct dimensions

Unit model number	Dimension (in.)			
	A	B	C	D
KT078, 090, 102	28 1/4	18 1/16	28 1/4	18 1/4

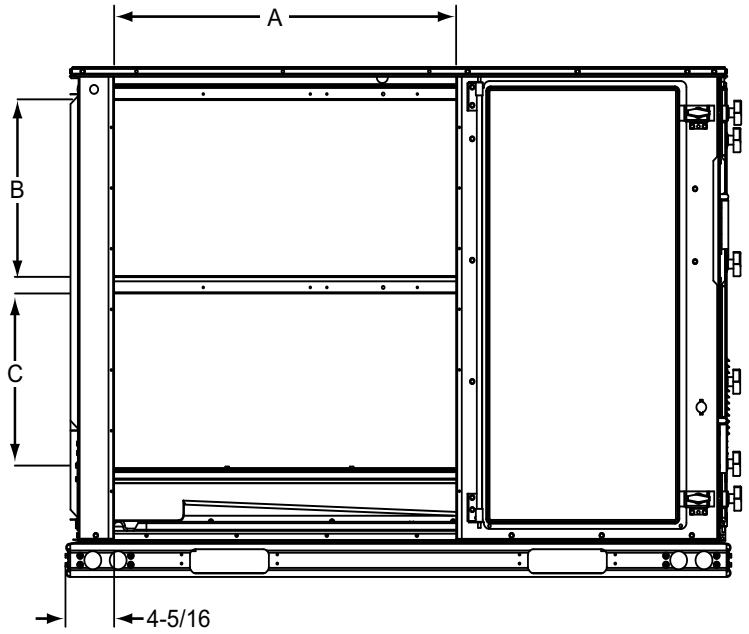
KT120-150/KB150 unit side duct openings



KT120-150/KB150 side duct dimensions

Unit model number	Dimension (in.)			
	A	B	C	D
KT120, 150/KB150	28 1/4	18 1/16	28 1/4	18 1/4

KT037-150/KB078-150 unit left/end duct opening

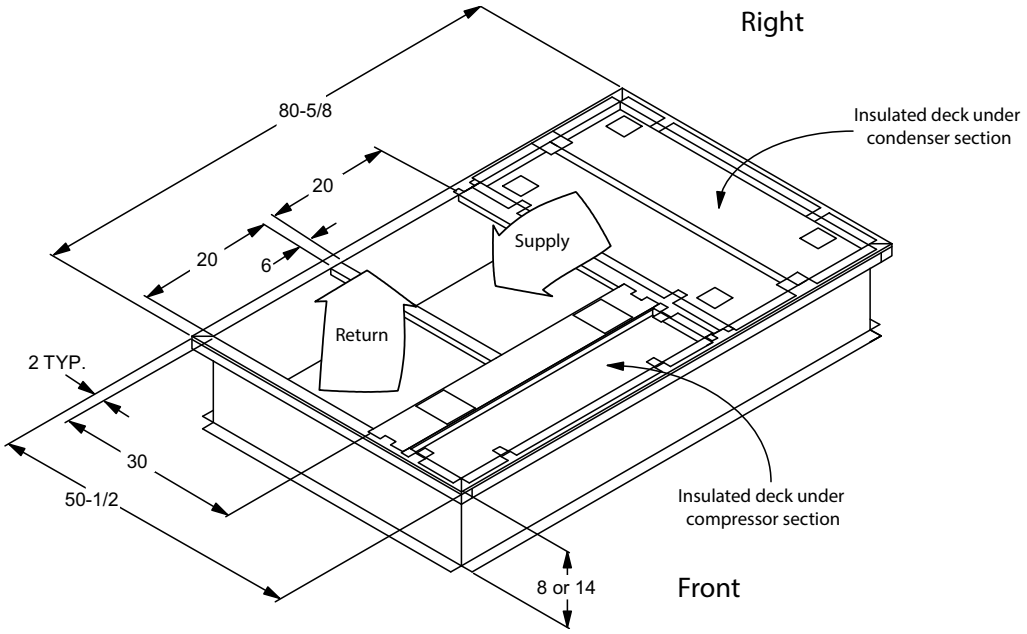


KT037-150/KB078-150 left/end duct dimensions

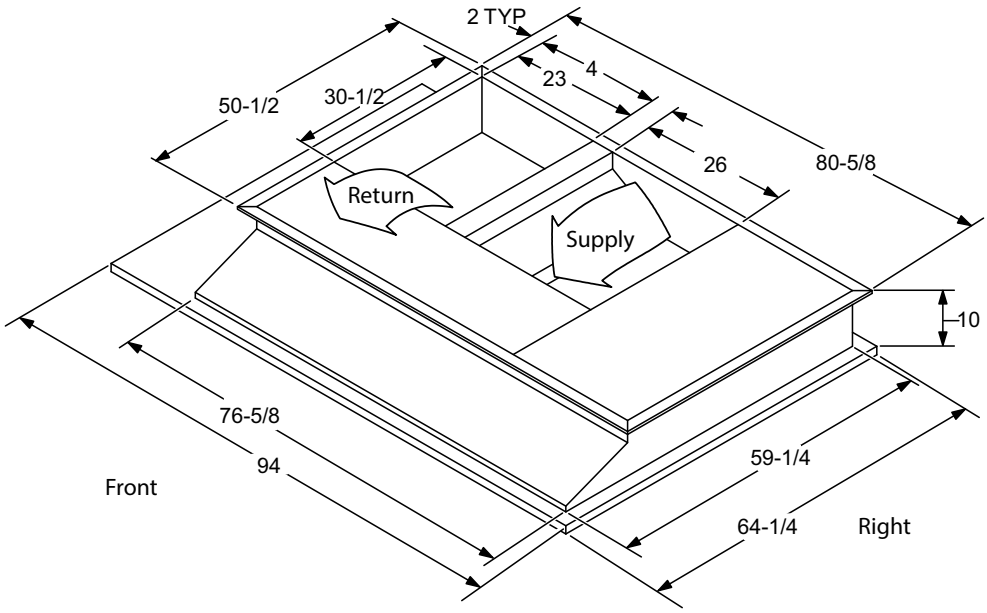
Unit model number	Dimension (in.)		
	A	B	C
KT037, 049, 061	30.357	13.365	22.516
KT078, 090, 102	30.358	22.580	22.330
KT120, 150	30.358	22.580	22.330
KB078, 090, 102, 120	30.358	22.580	22.330
KB150	30.358	22.580	22.330

KT037-150/KB078-150 unit accessory dimensions

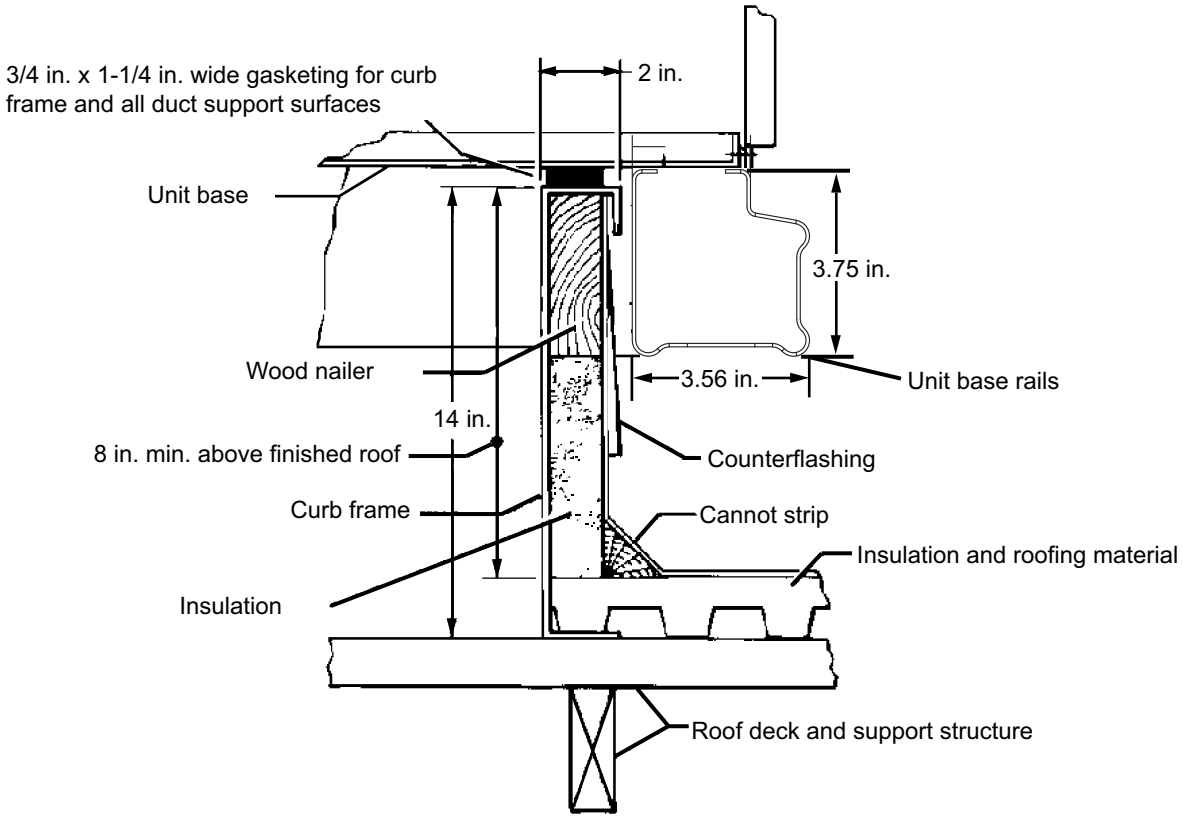
KT037-150/KB078-150 roof curb



KT037-061 transition roof curb



KT037-150/KB078-150 roof curb cutaway



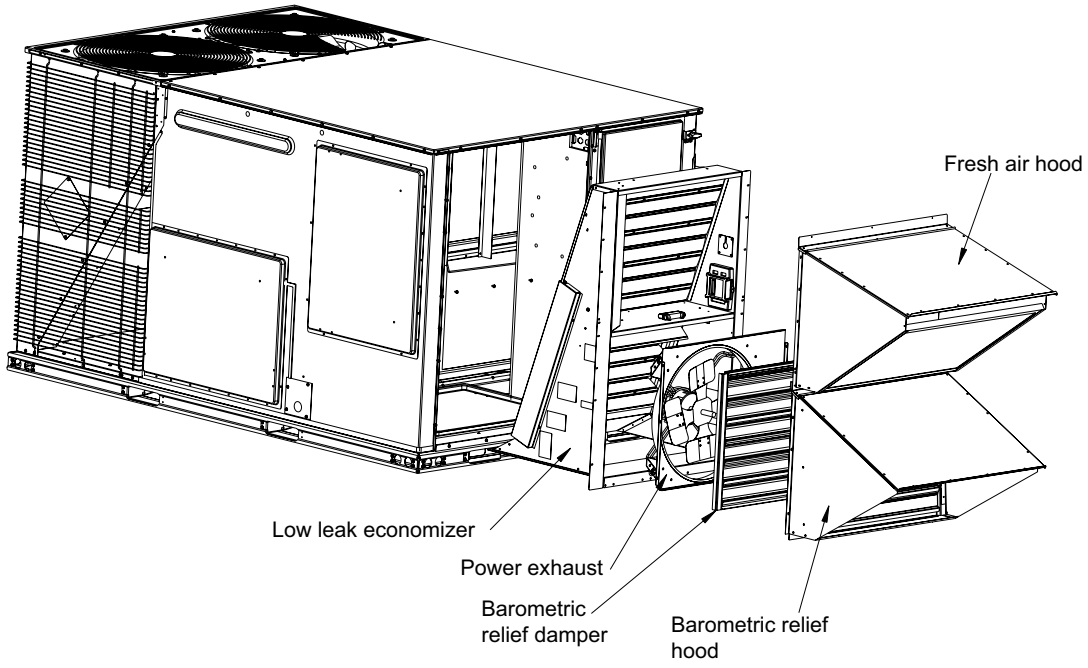
Economizer options

Economizer usage

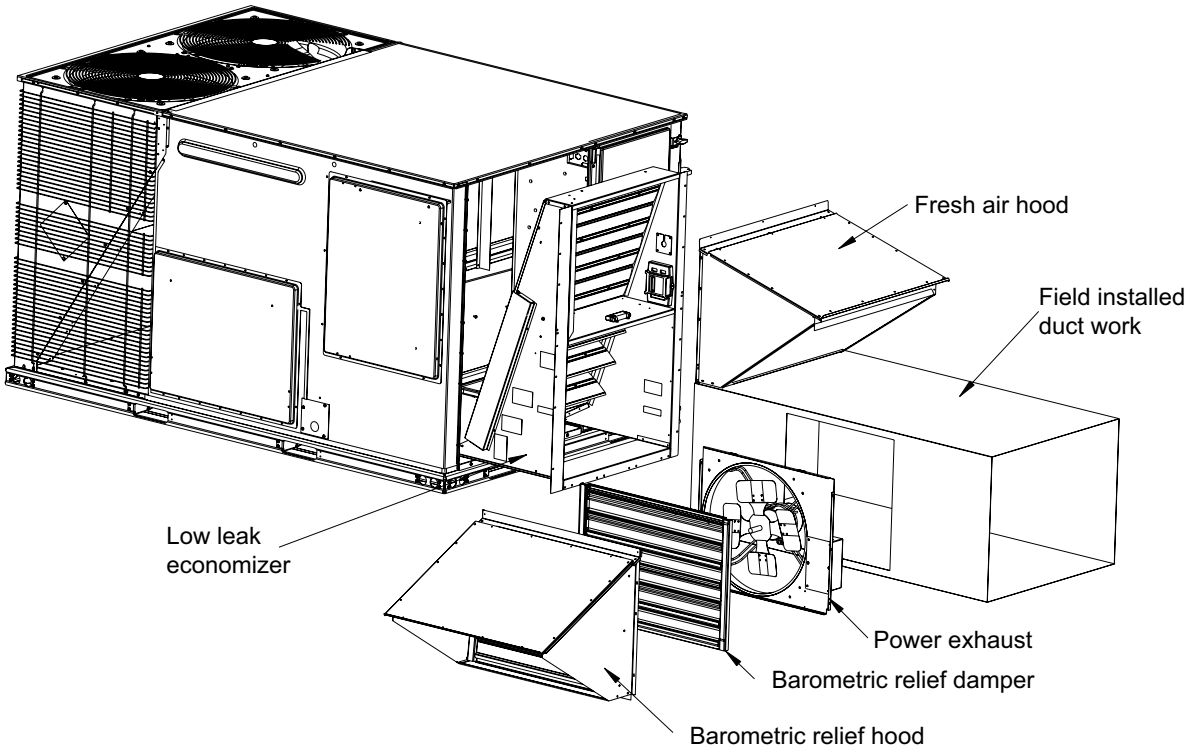
Application	Cabinet height	Description	Model
Side return	All	Horizontal economizer without barometric relief	2EE04706924[1]
Downflow, end return horizontal or bottom return vertical	42 in.	Economizer, 42 in. tall cabinet	2EE04717425[2]
		Economizer, 42 in. tall cabinet, BAS ready	2EE04709725[2]
	50 in.	Economizer, 50 in. tall cabinet	2EE04717625[2]
		Economizer, 50 in. tall cabinet, BAS ready	2EE04709825[2]

1. Barometric relief must be ordered separately and installed in duct work.
2. Includes fresh air hood, exhaust hood and barometric relief.

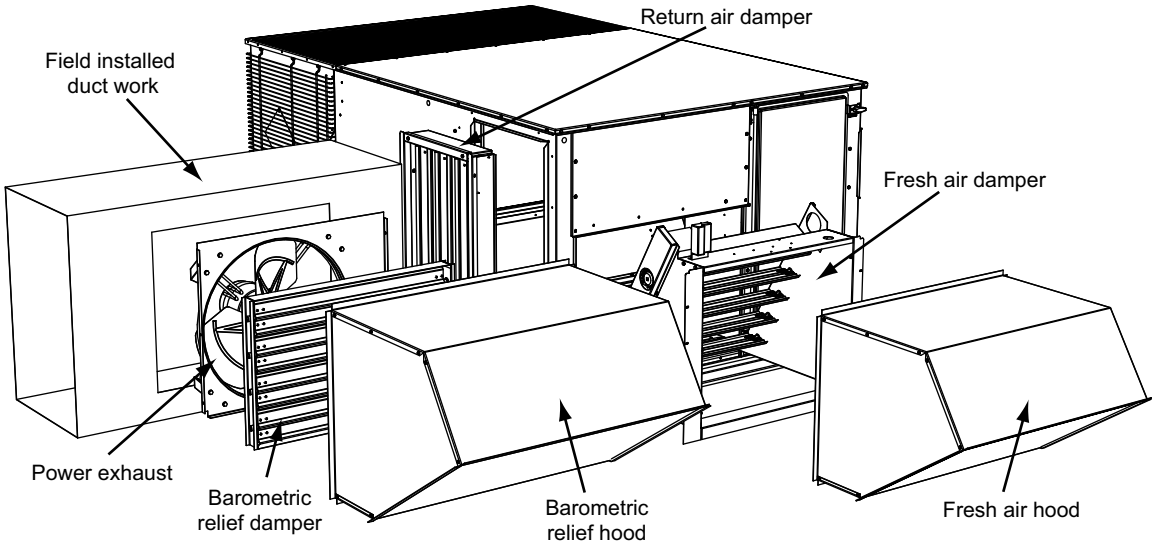
Economizer down flow with power exhaust



Economizer end return with power exhaust



Field-installed horizontal economizer with power exhaust



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