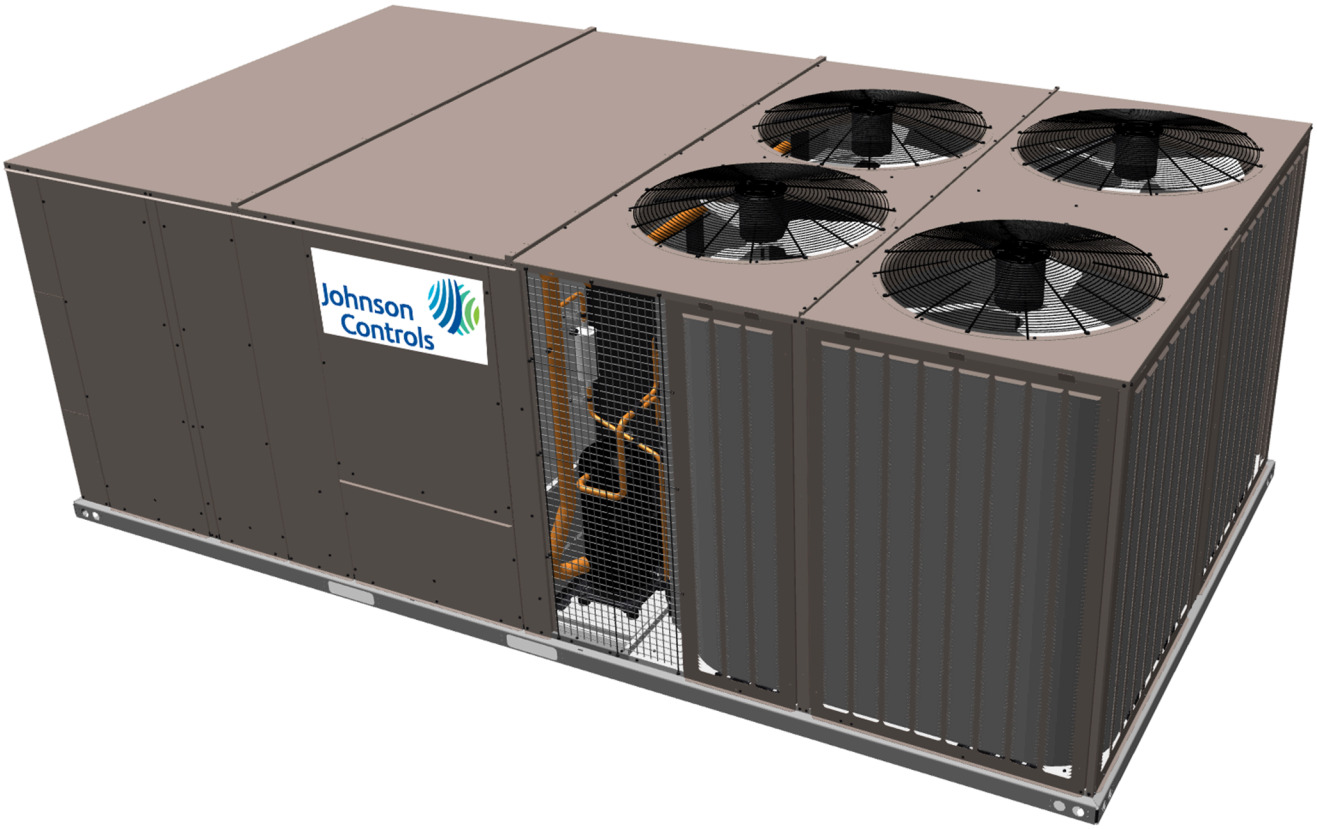
Technical Guide: Johnson Controls Choice KS15 to KS25 and KK15 to KK25

R-454B, 60 hertz



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Description

The Johnson Controls Choice Choice 15 ton to 25 ton platform is designed with the flexibility needed for current applications, while simultaneously meeting future requirements. Efficiency demands are continuously challenging technology. Standard efficiency Choice units meet the latest US Department of Energy (DOE) efficiency requirements in the base constant volume configuration, while the optional IntelliSpeed and variable air volume (VAV) airflow options deliver energy efficiency that exceeds the DOE mandates for 2023. These achieve efficiencies as high as 14.8 IEER (cooling only/electric heat) and 14.6 IEER (gas heat). The standard efficiency Choice product line provides flexiblity, and reliable energy savings.

All models have extensive options and accessories, provided through factory installation and field kits. The IntelliSpeed discrete fan control, and VAV blower configuration fulfill airflow requirements. You can configure all tonnages for cooling only, electric heating, staged gas heating, or modulating gas heating. You can have near limitless flexibility with custom modifications provided by the Norman Modification Center located in the HVAC Rooftop Center of Excellence in Norman, Oklahoma.

The units are tested in accordance with the following:

Product highlights

- Smart Equipment™ Controls: streamlines commissioning, integration, and service
- Industry leading standard efficiency, up to 14.8 IEER, designed to meet DOE 2023 efficiency requirements
- Two independent refrigerant circuits
- Two stage of cooling (IntelliSpeed) and four stages of cooling (IntelliSpeed and VAV) to meet advanced building code requirements
- Three unique airflow options in each tonnage. two-stage IntelliSpeed, four-stage IntelliSpeed, and VAV
- Reliability designed into all products and tested at the component and system level at the Advanced Technology Lab in Norman, Oklahoma
- Factory-installed staged gas heat and factory- or field-installed electric heat
- Optional modulating gas heat furnace with standard stainless steel heat exchanger (cannot be converted to propane)
- Optional modulating hot gas reheat for maximum humidity control. The reheat option added to the base model allows for increased flexibility

Unit components

Figure 1: Component location front

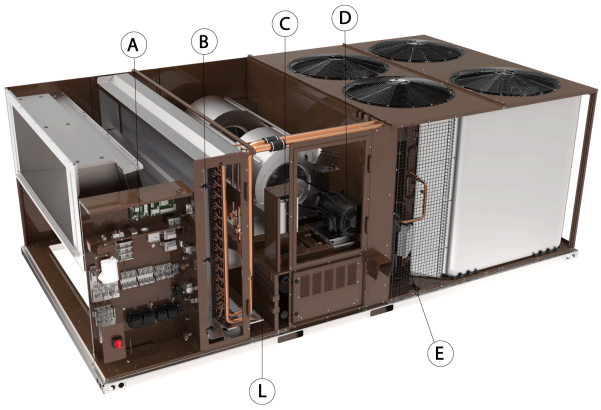


Figure 2: Component location back

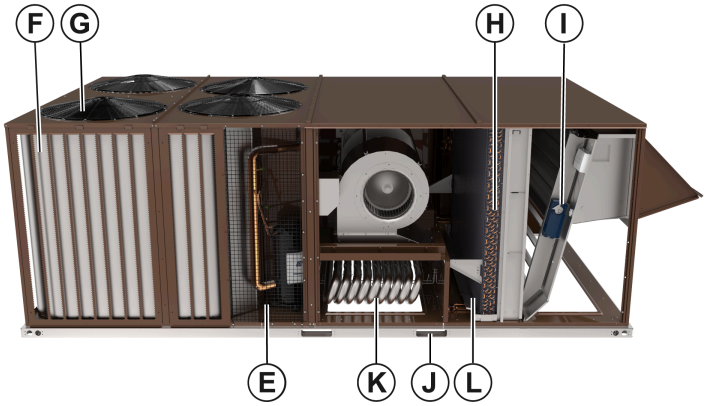


Table 1: Component location table

Item	Description	Item	Description
A	Smart Equipment controls	G	Condenser fans
B	Filter access, 2 in. or 4 in. filter options	H	Copper tube/aluminum fin evaporator coil
C	Optional variable frequency drive	I	Optional economizer only for end return option, optional manual or motorized outside air dampers not shown
D	Belt drive blower motor with dual centrifugal fan design	J	Full perimeter base rails with holes for overhead rigging
E	Scroll compressors in various arrangements to produce 2 or 4 stages of cooling depending on the selected model	K	Optional staged or modulating gas heat with aluminized or stainless steel heat exchanger. Optional electric heat not shown.
F	MicroChannel condenser coils	L	Refrigerant leak detection sensor

Nomenclature

Johnson Controls model number nomenclature

K	S	15	N	0	B	V	2	A	1	C	A	A	1	4	A	1

Package
K = AC package R-454B

Efficiency, airflow
S = Standard, horizontal
K = Standard, end return

Capacity
15 = 15 ton
18 = 17.5 ton
20 = 20 ton
25 = 25 ton

Heat type
C = Cooling only

Gas heat options
S = Natural gas, staged with stainless steel heat exchanger
T = Natural gas[1], modulating heat with stainless steel heat exchanger

Electric heat options
E = Electric heat

Note:
1. Modulating gas heat not convertible to propane

Heat size
0 = Cooling only
1 = Low heat
2 = Medium heat
3 = High heat/mod heat

Blower
B = Standard
C = Medium
D = High

Air volume
H = VFD/VAV 4 stage
K = VFD/VAV with bypass 4 stage
L = VFD/VAV customer supplied
P = Intelli*Speed* 2 stage
Q = Intelli*Speed* 4 stage
R = Intelli*Speed* with bypass 2 stage
S = Intelli*Speed* with bypass 4 stage
T = Intelli*Speed* customer supplied

Voltage
2 = 208/230-3-60
4 = 460-3-60
5 = 575-3-60
B = 208/230-3-60 high SCCR
D = 460-3-60 high SCCR
E = 575-3-60 high SCCR

Outdoor air
A = No economizer (Econ)
B = Manual damper
C = Motorized damper
1 = Economizer horizontal only
2 = Economizer BAS horizontal only
3 = Economizer single enth horizontal only
4 = Economizer dual enth horizontal only

Coils
1 = Standard condenser and evaporator coil
2 = Standard condenser and electro fin evaporator coil
3 = Electro fin condenser and standard evaporator coil
4 = Electro fin condenser and evaporator coil
5 = Standard condenser and evaporator coil w/seis
6 = Standard condenser and ef evaporator coil w/seis
7 = Ef condenser and standard evaporator coil w/seis
8 = Ef condenser and evaporator coilw/seis

Generation
1 = First generation

Cabinet options
A = Standard cabinet
B = Hinged access panels (HAP)
C = Stainless steel drain pan (SSD)
D = Condensate overflow (COF)
E = HAP, SSD
F = HAP, COF
G = SSD, COF
H = HAP, SSD, COF

Additional options
1 = Standard throwaway filter
2 = 2 in. pleated filters MERV 8
3 = 2 in. pleated filters MERV 13
4 = 4 in. pleated filters MERV 13
5 = Standard filter, coil guard (CG)
6 = 2 in. pleated MERV 8, CG
7 = 4 in. pleated MERV 13, CG
8 = 2 in. pleated MERV 13, CG
A = Autozone*
K = Kohl's*
G = Target (2 in. MERV 8, CG, ALC)*
T = Target (2 in. MERV 8, ALC)*
N = Target (4 in MERV 13, ALC)*
L = Target (4 in.MERV 13, CG, ALC)*
M = Target (2 in. MERV 13, ALC)*
P = Target (2 in. MERV 13, CG, ALC)*

Refrigeration
1 = Standard
3 = Head pressure control (HPC)
4 = Modulating hot gas reheat (HGR)
8 = Refrigerant Detection Sensor
L = HGRH, RDS
P = HPC, RDS

Service option

A = No service options	K = PHM, PCO
B = Phase monitor (PHM)	L = CB, NCO
C = Non-powered convenience outlet (NCO)	M = CB, PCO
D = Circuit breaker (CB)	N = DSC, NCO
E = Disconnect switch (DSC)	P = DSC, PCO
F = Powered convenience outlet (PCO)	Q = PHM, CB, NCO
G = PHM, CB	R = PHM, CB, PCO
H = PHM, DSC	S = PHM, DSC, NCO
J = PHM, NCO	T = PHM, DSC, PCO

Sensors

A = No sensors	S = APS, DFS, SSD
B = Air proving switch (APS)	T = APS, DFS, RSD
C = Dirty filter switch (DFS)	U = APS, DFS, CO2
D = Supply air smoke detector (SSD)	V = APS, SSD, RSD
E = Return air smoke detector (RSD)	W = APS, SSD, CO2
F = CO2 sensor	X = APS, RSD, CO2
G = APS, DFS	Y = DFS, SSD, RSD
H = APS, SSD	Z = DFS, SSD, CO2
J = APS, RSD	1 = DFS, RSD, CO2
K = APS, CO2	2 = SSD, RSD, CO2
L = DFS, SSD	3 = APS, DFS, SSD, RSD
M = DFS, RSD	4 = APS, DFS, SSD, CO2
N = DFS, CO2	5 = APS, DFS, RSD, CO2
P = SSD, RSD	6 = APS, SSD, RSD, CO2
Q = SSD, CO2	7 = DFS, SSD, RSD, CO2
R = RSD, CO2	8 = APS, DFS, SSD, RSD, CO2

Controls
A = Stand Alone Smart Equipment
C = Smart Equipment with COM
U = SkyQ Single Zone w/ Bluetooth
V= SkyQ Changeover Bypass w/ Bluetooth
W= SkyQ VAV w/ Bluetooth

Features and benefits

Standard features

Johnson Controls Choice units have the following standard features:

Efficiency

Available in standard efficiency cooling only, gas heat, or electric heat, Choice units achieve up to 11.1 EER. IEER ratings as high as 14.8 are specific to each model's heat type and indoor airflow selection to provide dialed in efficiencies for every model classification.

Indoor airflow options

Each tonnage has an industry-leading three unique indoor airflow options available for maximum customization to meet the needs of each job site. two-stage IntelliSpeed, four-stage IntelliSpeed, and variable air volume (VAV) configurations each have a dedicated airflow and compressor staging algorithm designed to maximize efficiency and reliability. Variable airflow models, IntelliSpeed or VAV, include a factory-installed variable frequency drive (VFD) to modulate the blower airflow.

Refrigerant circuits

All models contain a dual circuit refrigeration design with multiple compressor staging options dependent on the selected airflow option. two-stage IntelliSpeed models have two stages of cooling operation, and four-stage IntelliSpeed and VAV models have four stages of cooling operation.

Variable frequency drive

Factory-installed variable frequency drives (VFD) provide higher efficiency through both IntelliSpeed and variable air volume (VAV) operation. All factory-installed VFDs come with a 5-year manufacturer warranty and provide ease of commissioning with operation through the standard Smart Equipment™ control board and soft start capabilities for improved motor and belt life.

Indoor blower

The indoor blower is a single shaft, dual blower, forward curve centrifugal wheel design. All tonnages use a belt drive motor configuration with options for multiple levels of static resistance. The blower motor is mounted on a motor sled (patent pending) with multidirectional movement for simplified precise adjustments to belt tension and easier belt replacement.

Figure 4: Indoor blower



Evaporator coils

All units come with copper tube/aluminum fin evaporator coils.

Condenser coils

All units come with MicroChannel condenser coils.

Balanced staged heating

All gas heat units are of a tubular design with in-shot burners and induced draft. Standard controls provide two stages of capacity control with an additional option for modulating gas heat. Each section includes a durable heat

exchanger with stainless steel tubes, a redundant gas valve, spark ignition, power venting, an ignition module for 100% shut-off, and all of the safety controls required to meet the latest ANSI standards. You can route the gas supply piping into the heating compartment through a hole in the base pan of the unit or through a hole in the piping panel on the front of the unit.

All electric heat models (factory- or field-installed) include a bank of nickel chromium elements mounted at the discharge of the supply air blower to provide a high velocity and uniform distribution of air across the heating elements. Each element bank is fully protected against excessive current and temperature by fuses and two thermal limit switches.

Advanced, versatile controls

Smart Equipment™ control boards have standardized a number of features previously available only as options or by using additional controls.

Figure 5: Smart Equipment control board



All units are factory commissioned, configured, and run tested.

You can configure the Smart Equipment™ control for use with a standard thermostat using the convenient screw terminals or for use with a zone sensor. You can also configure the control to communicate with multiple BAS communication protocols to integrate with building automation systems.

On-board USB port

The Smart Equipment™ control comes standard with an on-board USB port that accepts a common flash drive. You can use the port 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.

Built-in LCD

The Smart Equipment™ control board has an easy to read, built-in LCD and easy to use navigation joystick and buttons. Users can quickly navigate the menus to view unit status, options, current function, supply, return and outdoor temperatures, fault codes, and other information.

NOTICE

The Smart Equipment control board used in this product can 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 you apply this product for process cooling applications, such as computer rooms or switchgear, call the applications department for Ducted Systems at 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 to provide key temperature readings and reduce field installed complexity.

Standard factory warranty

All models include a 1-year limited warranty on the complete unit. Compressors and electric heater elements each have a 5-year warranty. Stainless steel heat exchangers have a 15-year warranty.

Replacement opportunity with footprint

All tonnages have a meticulously designed footprint providing the unique ability to directly replace, without the need for a transition curb, existing 15 ton to 25 ton units from select competitive manufacturers (Carrier and Trane). Airflow testing was conducted on each competitive footprint to ensure full unit performance and operation in these applications. Some utilities may require relocation with guidance from competitive replacement literature.

Dedicated duct configuration

All models are manufactured with a dedicated duct configuration for sideflow operation allowing for quick and easy installation without removing or relocating panels.

Utility connections

Gas and electrical utility entries are supplied in the unit underside as well as the side of the unit. You can make utility connections quickly and with a minimum amount of field labor.

Sloped drain pan

All units are fitted with a multidirectional sloped condensate drain pan with a 1 in. I.D. female connection. Drain pans are sloped in accordance with ASHRAE 62 and are available in composite or stainless steel configurations.

Color-coded and numbered wiring

Wiring is color coded and numbered to match the provided unit wiring diagram to make for easy troubleshooting and field installation.

Convertible filter rack

Units are provided with the selected 2 in. or 4 in. filter. With a simple conversion in the field, units can accept either size filter in the standard filter rack.

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 you can use an overhead crane to place the units on a roof.

Operating conditions

The units are capable of starting and running at 125°F outdoor temperature, exceeding the maximum load criteria of AHRI Standard 340/360. The compressor, with standard controls, is capable of operation down to 45°F outdoor temperature in all installations and as low as 0°F outdoor temperature with cyclic cooling cycles in certain applications. The addition of a low ambient kit allows for cooling operation down to -10°F outdoor temperature. Gas heat is rated to operate in outdoor temperatures down to -40°F.

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 protects the unit if low voltage occurs due to a brown out, or if other electrical issues occur.

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, you can temporarily override the anti-short cycle delay 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 on their configuration of cooling and 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-pressure switch, low-pressure switch, antifreeze protection, or low voltage, detection much trip three times within two hours before the unit control board locks out the associated compressor. Similarly, the heating high limit switch must trip three times within one hour before the unit control board locks out heating operation. An alarm message appears on the LCD.

Low limit control

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

Options and accessories

Non-electrical option or accessory	Factory option	Field-installed option
Roof curb, 14 in. or 24 in. height		✓
Coil/hail guard	✓	✓
Hinged and toolless access panels	✓	
Magna-Dry modulating hot gas reheat dehumidification	✓	
Stainless steel gas heat exchanger	✓	
Modulating gas heat that is not convertible to propane	✓	
Flue exhaust extension		✓
Propane conversion that is not for modulating gas heat		✓
High altitude kit for propane that is not for modulating gas heat		✓
High altitude kit for natural gas		✓
Stainless steel drain pan	✓	
E-Coat coil coating	✓	
MERV 8, 2 in. filter	✓	
MERV 13, 2 in. filter	✓	
MERV 13, 4 in. filter	✓	

Electrical option or accessory	Factory option	Field-installed option
IntelliSpeed discrete fan control	✓	
Multi-zone variable air volume (VAV)	✓	
CRSZ control single zone VAV	✓	
Standard, medium, or high static indoor blower motor	✓	
Non-fused disconnect switch	✓	
Circuit breaker	✓	
Powered convenience outlet	✓	
Non-powered convenience outlet	✓	✓
65 kA high short-circuit current rating (SCCR)	✓	
Phase monitor	✓	
Electric heat	✓	✓

Fresh air option or accessory	Factory option	Field-installed option
Manual outside air damper	✓	✓
Motorized outside air damper	✓	✓
Low leak economizer, applicable for end return	✓	✓
Single or dual enthalpy economizer control, applicable for end return	✓	✓
Barometric relief damper, applicable for end return		✓
Constant volume power exhaust, applicable for end return		✓
Modulating power exhaust, applicable for end return		✓

Controls option or accessory	Factory option	Field-installed option
Air proving switch	✓	✓
Dirty filter switch	✓	✓
CO_2 sensor	✓	✓
Refrigerant detection system (RDS)	✓	✓
Condensate overflow switch	✓	✓
Low ambient head pressure control	✓	✓
Supply and return air smoke detectors	✓	✓
Smart Equipment® ™ control communication card	✓	✓
Mobile Access Portal (MAP) Gateway for use with Smart Equipment® ™ control		✓
SkyQ	✓	✓

Table 2: Field Installed Accessories - Non-Electrical

Where used	Voltage	Model	Description
Gas heat units	All	1FE0418	Flue Exhaust Kit
Gas heat units	All	1NP0412	Propane Conversion Kit
Gas heat units	All	1HA0405	Natural Gas High Altitude Conversion Kit
Gas heat units	All	1HA0406	Propane High Altitude Conversion Kit
15 ton models	All	1HG0454	Louvered Hail Guard, 15 ton
17.5 ton models	All	1HG0455	Louvered Hail Guard, 17.5 ton
20 and 25 ton models with 2 stage cooling (2 stage IntelliSpeed) and 20 ton 4-stage models	All	1HG0456	Louvered Hail Guard, 20 and 25 ton 2-stage and 20 ton 4-stage models
25 ton models with 4 stage cooling (VAV or 4 stage IntelliSpeed)	All	1HG0458	Louvered Hail Guard, 25 ton 4-stage models

Table 3: Field Installed Accessories - Roof curbs

Where used	Voltage	Model	Description
15 ton	All	1RC0443	14" Roof curb
17.5 , 20 and 25 ton	All	1RC0444	14" Roof curb
15 ton	All	1RC0446	24" Roof curb
17.5 , 20 and 25 ton	All	1RC0447	24" Roof curb

Table 4: Field Installed Accessories - Fresh Air

Where used	Voltage	Model	Description
15 - 17.5 ton models	All	1FA0421	Manual Outside Air Damper, 0-25%
15 - 17.5 ton models	All	1FA0422	Manual Outside Air Damper, 0-100%
20 and 25 ton models	All	1FA0423	Manual Outside Air Damper, 0-25%
20 and 25 ton models	All	1FA0424	Manual Outside Air Damper, 0-100%
15 - 17.5 ton models	All	2MD04705324	Motorized Outside Air Damper, 0-25%
15 - 17.5 ton models	All	2MD04705424	Motorized Outside Air Damper, 0-100%
20 and 25 ton models	All	2MD04705524	Motorized Outside Air Damper, 0-25%
20 and 25 ton models	All	2MD04705624	Motorized Outside Air Damper, 0-100%
15 - 17.5 ton models(End Return Only)	All	2EE04710424	Low Leak Economizer, BAS controls
15 - 17.5 ton models((End Return Only)	All	2EE04710524	Low Leak Economizer, Smart Equipment controls
20 and 25 ton models(End Return Only)	All	2EE04710624	Low Leak Economizer, BAS controls
20 and 25 ton models (End Return Only)	All	2EE04710724	Low Leak Economizer, Smart Equipment controls
All (End Return Only)	All	1RD0416	Barometric Relief Damper
Models with factory or field installed economizer (End Return Only)	208/230V	2PE04706325	Constant Volume Power Exhaust, High CFM, 208/230V
Models with factory or field installed economizer (End Return Only)	460V	2PE04706346	Constant Volume Power Exhaust, High CFM, 460V

Table 4: Field Installed Accessories - Fresh Air

Where used	Voltage	Model	Description
Models with factory or field installed economizer (End Return Only)	575V	2PE04706358	Constant Volume Power Exhaust, High CFM, 575V
Models with factory or field installed economizer (End Return Only)	208/230V	2PE04706125	Modulating Power Exhaust, Standard CFM, 208/230V
Models with factory or field installed economizer (End Return Only)	460V	2PE04706146	Modulating Power Exhaust, Standard CFM, 460V
Models with factory or field installed economizer (End Return Only)	575V	2PE04706158	Modulating Power Exhaust, Standard CFM, 575V
Models with factory or field installed economizer (End Return Only)	208/230V	2PE04706425	Constant Volume Power Exhaust, Standard CFM, 208/230V
Models with factory or field installed economizer (End Return Only)	460V	2PE04706446	Constant Volume Power Exhaust, Standard CFM, 460V
Models with factory or field installed economizer (End Return Only)	575V	2PE04706458	Constant Volume Power Exhaust, Standard CFM, 575V
Models with factory or field installed economizer OR models with hot gas reheat (End Return Only)	All	2EC0406	Single Enthalpy / Reheat Humidity Sensor
Models with factory or field installed economizer OR models with hot gas reheat (End Return Only)	All	2EC0407	Dual Enthalpy Sensing

Table 5: Field Installed Accessories - Controls/Electrical

Where used	Voltage	Model	Description
All units with factory or field installed economizer	All	2AQ04700524	CO^2 Space/Wall Mount Accessory
All units with factory or field installed economizer	All	2AQ04700624	CO^2 Unit Mount Accessory
All Units	All	2SD04702024	Supply Air Smoke Detector (15X15)
All Units	All	2SD04703024	Return Air Smoke Detector
All Units	All	2SD04703124	Supply and Return Air Smoke Detector (15 X 15)
All Units	All	2AP0403	Air Proving Switch
All Units	All	2DF0404	Dirty Air Filter Switch
All 208/230V Units	208/230V	2LA04700625	Low Ambient Controller for 208/230V
All 460V Units	460V	2LA04700646	Low Ambient Controller for 460V
All 575V Units	575V	2LA04700658	Low Ambient Controller for 575V
All Units	All	2NC0401	Non-powered Convenience Outlet

Table 6: Field Installed Accessories - Electric Heat, end return

Where used	Voltage	Model	Description
Cooling only models	208/230V	2EH04532525	25kW Electric Heat
	460V	2EH04532546	
	575V	2EH04532558	

Table 6: Field Installed Accessories - Electric Heat, end return

Where used	Voltage	Model	Description
Cooling only models	208/230V	2EH04535025	50kW Electric Heat
	460V	2EH04535046	
	575V	2EH04535058	
Cooling only models	208/230V	2EH04537525	75kW Electric Heat
	460V	2EH04537546	
	575V	2EH04537558	
Paired with 2EH04532525, 2EH04535025, or 2EH04537525. 15 ton only without circuit breaker or disconnect switch	208/230V	2SP04700025	Electric Heat Power Kit, 25-75kW, 15 ton, no CB or DSC
Paired with 2EH04532546, 2EH04532558, 2EH04535046, 2EH04535058, 2EH04537546, or 2EH04537558. 17.5 and 20 ton only without circuit breaker or disconnect switch	460V and 575V	2SP04700152	Electric Heat Power Kit, 25-75kW, 17.5 and 20 ton, no CB or DSC
Paired with 2EH04532525, 2EH04535025, or 2EH04537525. 17.5 and 20 ton only without circuit breaker or disconnect switch	208/230V	2SP04700225	Electric Heat Power Kit, 25-75kW, 17.5 and 20 ton, no CB or DSC
Paired with 2EH04532546, 2EH04532558, 2EH04535046, 2EH04535058, 2EH04537546, or 2EH04537558. 25 ton without circuit breaker or disconnect switch	460V and 575V	2SP04700252	Electric Heat Power Kit, 25-75kW, 25 ton, no CB or DSC
Paired with 2EH04532525, 2EH04535025, or 2EH04537525. 25 ton without circuit breaker or disconnect switch	208/230V	2SP04700325	Electric Heat Power Kit, 25-75kW, 25 ton, no CB or DSC
Paired with 2EH04532525. 15 ton only with circuit breaker or disconnect switch	208/230V	2SP04700425	Electric Heat Power Kit, 25kW, 15 ton, with CB or DSC
Paired with 2EH04532546, 2EH04532558, 2EH04535046, 2EH04535058, 2EH04537546, or 2EH04537558. 17.5 and 20 ton only with circuit breaker or disconnect switch	460V and 575V	2SP04700452	Electric Heat Power Kit, 25-75kW, 17.5 and 20 ton, with CB or DSC
Paired with 2EH04532546, 2EH04532558, 2EH04535046, 2EH04535058, 2EH04537546, or 2EH04537558. 25 ton with circuit breaker or disconnect switch	460V and 575V	2SP04700552	Electric Heat Power Kit, 25-75kW, 25 ton, with CB or DSC
Paired with 2EH04532525, 2EH04535025. 17.5 and 20 ton only with circuit breaker or disconnect switch	208/230V	2SP04700625	Electric Heat Power Kit, 25-50kW, 17.5 and 20 ton, with CB or DSC
Paired with 2EH04532546, 2EH04532558, 2EH04535046, 2EH04535058, 2EH04537546, or 2EH04537558. 15 ton only with no circuit breaker or disconnect switch	460V and 575V	2SP04700652	Electric Heat Power Kit, 25-75kW, 15 ton, no CB or DSC
Paired with 2EH04532525 or 2EH04535025. 25 ton only with circuit breaker or disconnect switch	208/230V	2SP04700725	Electric Heat Power Kit, 25-50kW, 25 ton, with CB or DSC

Table 6: Field Installed Accessories - Electric Heat, end return

Where used	Voltage	Model	Description
Paired with 2EH04532546, 2EH04532558, 2EH04535046, 2EH04535058, 2EH04537546, or 2EH04537558. 15 ton only without circuit breaker or disconnect switch	460V and 575V	2SP04700752	Electric Heat Power Kit, 25-75kW, 15 ton, with DSC or CB
Paired with 2EH04535025. 15 ton only with disconnect switch	208/230V	2SP04700825	Electric Heat Power Kit, 50kW, 15 ton, with DSC
Paired with 2EH04535025. 15 ton only with circuit breaker	208/230V	2SP04701125	Electric Heat Power Kit, 50kW, 15 ton, with CB

Table 7: Field Installed Accessories - Electric Heat, side return

Where used	Voltage	Model	Description
Cooling only models	208/230V	2EH04532525	25kW Electric Heat
	460V	2EH04532546	
	575V	2EH04532558	
Cooling only models	208/230V	2EH04535025	50kW Electric Heat
	460V	2EH04535046	
	575V	2EH04535058	
Cooling only models	208/230V	2EH04537525	75kW Electric Heat
	460V	2EH04537546	
	575V	2EH04537558	
Paired with 2EH04532525, 2EH04535025, or 2EH04537525. 15 ton only without circuit breaker or disconnect switch	208/230V	2SP04700025	Electric Heat Power Kit, 25-75kW, 15 ton, no CB or DSC
Paired with 2EH04532546, 2EH04532558, 2EH04535046, 2EH04535058, 2EH04537546, or 2EH04537558. 17.5 ton without circuit breaker or disconnect switch	460V and 575V	2SP04700052	Electric Heat Power Kit, 25-75kW, 17.5 ton, no CB or DSC
Paired with 2EH04532525, 2EH04535025, or 2EH04537525. 17.5 and 20 ton only without circuit breaker or disconnect switch	208/230V	2SP04700125	Electric Heat Power Kit, 25-75kW, 17.5 and 20 ton, no CB or DSC
Paired with 2EH04532546, 2EH04532558, 2EH04535046, 2EH04535058, 2EH04537546, or 2EH04537558. 20 ton only without circuit breaker or disconnect switch	460V and 575V	2SP04700152	Electric Heat Power Kit, 25-75kW, 20 ton, no CB or DSC
Paired with 2EH04532525, 2EH04535025, or 2EH04537525. 25 ton only without circuit breaker or disconnect switch	208/230V	2SP04700225	Electric Heat Power Kit, 25-75kW, 25 ton, no CB or DSC
Paired with 2EH04532546, 2EH04532558, 2EH04535046, 2EH04535058, 2EH04537546, or 2EH04537558. 25 ton without circuit breaker or disconnect switch	460V and 575V	2SP04700252	Electric Heat Power Kit, 25-75kW, 25 ton, no CB or DSC
Paired with 2EH04532546, 2EH04532558, 2EH04535046, 2EH04535058, 2EH04537546, or 2EH04537558. 17.5 ton with circuit breaker or disconnect switch	460V and 575V	2SP04700352	Electric Heat Power Kit, 25-75kW, 17.5 ton, with CB or DSC

Table 7: Field Installed Accessories - Electric Heat, side return

Where used	Voltage	Model	Description
Paired with 2EH04532525. 15 ton only with circuit breaker or disconnect switch	208/230V	2SP04700425	Electric Heat Power Kit, 25kW, 15 ton, with CB or DSC
Paired with 2EH04532546, 2EH04532558, 2EH04535046, 2EH04535058, 2EH04537546, or 2EH04537558. 20 ton only with circuit breaker or disconnect switch	460V and 575V	2SP04700452	Electric Heat Power Kit, 25-75kW, 20 ton, with CB or DSC
Paired with 2EH04532525. 17.5 and 20 ton only with circuit breaker or disconnect switch	208/230V	2SP04700525	Electric Heat Power Kit, 25kW, 17.5 and 20 ton, with CB or DSC
Paired with 2EH04532546, 2EH04532558, 2EH04535046, 2EH04535058, 2EH04537546, or 2EH04537558. 25 and 27.5 ton with circuit breaker or disconnect switch	460V and 575V	2SP04700552	Electric Heat Power Kit, 25-75kW, 25 ton, with CB or DSC
Paired with 2EH04532525, 2EH04535025. 25 ton only with circuit breaker or disconnect switch	208/230V	2SP04700625	Electric Heat Power Kit, 25-50kW, 25 ton, with CB or DSC
Paired with 2EH04532546, 2EH04532558, 2EH04535046, 2EH04535058, 2EH04537546, or 2EH04537558. 15 ton only with no circuit breaker or disconnect switch	460V and 575V	2SP04700652	Electric Heat Power Kit, 25-75kW, 15 ton, no CB or DSC
Paired with 2EH04532546, 2EH04532558, 2EH04535046, 2EH04535058, 2EH04537546, or 2EH04537558. 15 ton only without circuit breaker or disconnect switch	460V and 575V	2SP04700752	Electric Heat Power Kit, 25-75kW, 15 ton, with DSC or CB
Paired with 2EH04535025. 15 ton only with disconnect switch	208/230V	2SP04700825	Electric Heat Power Kit, 50kW, 15 ton, with DSC
Paired with 2EH04535025. 17.5 and 20 ton only with disconnect switch	208/230V	2SP04700925	Electric Heat Power Kit, 50kW, 17.5 and 20 ton, with DSC
Paired with 2EH04535025. 15 ton only with circuit breaker	208/230V	2SP04701125	Electric Heat Power Kit, 50kW, 15 ton, with CB
Paired with 2EH04535025. 17.5 and 20 ton only with circuit breaker	208/230V	2SP04701225	Electric Heat Power Kit, 50kW, 17.5 and 20 ton, with CB

Factory and field-installed options

Johnson Controls Choice units have many factory options and field-installed accessories available for a wide range of application needs.

IntelliSpeed discrete fan control with VFD

Factory-installed option.

The IntelliSpeed blower control method uses a variable frequency drive (VFD) to control staged modulation of the supply fan airflow in what is called multispeed fan control or discrete fan control. The VFD runs the supply fan at predetermined speeds set at the factory based on the number of cooling stages engaged by the cooling demand. This feature allows for higher part load efficiency and meets all requirements of ASHRAE 90.1 2013/2016 and 2015 IECC.

Multi-zone variable air volume (VAV)

Factory-installed option.

Intended for job applications where multiple zones are serviced by a single rooftop with zone dampers in the ductwork to control airflow to each zone. Similar to the IntelliSpeed blower control method, the VAV blower control option uses a VFD to control modulation of the supply fan airflow. Unlike IntelliSpeed, VAV operation provides full modulation of the supply fan speed to provide both a constant supply air temperature and a constant duct static pressure. This modulation is controlled by the VFD based on readings from a pressure transducer mounted in the unit supply duct.

CRSZ control single zone VAV

Factory-installed option.

A proprietary control logic for single-zone VAV applications, the continuous reset single zone control (CRSZ control) option provides the industry's best temperature control of a single-zone VAV system. The CRSZ control airflow option uses compressor staging and fan speed, along with programmatic resetting of the supply air temperature setpoint, to deliver stable zone temperature and humidity control.

High static indoor blower motor

Factory-installed option.

For applications with high static restrictions, units are offered with optional indoor motors that provide higher static output to varying degrees based on the application requirements.

MagnaDry modulating hot gas reheat dehumidification

Factory-installed option.

Units optioned with reheat coils provide superior dehumidification at a wide range of outdoor temperatures to provide maximum comfort without overcooling the space. Unlike traditional on and off reheat systems, this system modulates dehumidification to more accurately meet the humidity and temperature setpoints.

Low leak economizer with a fresh air hood (applicable for end return option)

Factory or field-installed option.

End return sideflow options offer a variety of optional factory-installed or field-installed economizers that are shipped, installed, and wired with low leak dampers. The dampers are 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. Each economizer goes through a rigorous 60,000 cycle test. You can select dry bulb, single enthalpy, or dual enthalpy economizer control as either a factory option or field-installed accessory.

The economizer has a spring return and fully modulating damper with a range of 0% to 100% open, dependent on the dry bulb or enthalpy option and the setpoint selected. The changeover from mechanical refrigeration to economizer operation is regulated by the outdoor air dry bulb temperature or the outdoor air enthalpy input.

Figure 6: Low leak economizer with a fresh air hood



Single or dual enthalpy control

Factory or field-installed option.

Low leak economizers are available with standard dry bulb sensing. You can select the following configurations for true enthalpy control of the unit economizer.

- Single enthalpy control to monitor outdoor air humidity and temperature.
- Dual enthalpy control to monitor outdoor air and return air humidity and temperature.

Single or dual enthalpy sensors are available factory installed or as field-installed accessories.

Manual outside air damper

Factory or field-installed option.

The manual outdoor air damper includes a slide-in assembly with a manually adjustable opening for fresh air entry. The factory installed damper has an opening range of 0% to 100%. The field-installed accessory is available with two options for opening range, 0% to 25% or 0% to 100%.

Motorized outside air damper

Factory or field-installed option.

The motorized outdoor air damper includes a slide-in and plug-in damper assembly with a two-position, spring return motor actuator. The damper opens to a preset position whenever the supply air blower is operating and drives fully closed when the blower motor shuts down. The factory installed damper has an opening range of 0% to 100%. The field-installed accessory is available with two options for opening range, 0% to 25% or 0% to 100%.

Barometric relief damper (only for end return option)

Field-installed option.

You can use this damper option to relieve internal building air pressure on units with an economizer or motorized damper without a power exhaust. This accessory includes a rain hood, a bird screen, and a fully assembled damper.

Constant volume power exhaust (only for end return option)

Field-installed option.

Units with an economizer are available with constant volume power exhaust. Whenever the outdoor air intake dampers are opened for free cooling, the exhaust fan is energized to prevent the conditioned space from being over-pressurized during economizer operation. There are two options for the field-installed constant volume power exhaust, the standard CFM exhaust and the high CFM exhaust. The high CFM exhaust provides expanded air movement capabilities.

Modulating power exhaust, only for the end return option

Field-installed option.

For more precise control over a unit's exhaust performance, you can select a modulating power exhaust field-installed option. The modulating power exhaust monitors fluctuations to the static pressure in the duct and works in conjunction with the unit economizer to equalize pressure changes caused by bringing in fresh air. There are two options for the field-installed modulating power exhaust, the standard CFM exhaust and the high CFM exhaust. The high CFM exhaust provides expanded air movement capabilities.

Staged electric heat

Factory or field-installed option.

Electric heat is available as a factory or field-installed option in 25 kW, 50 kW, and 75 kW and is available in all voltage options of the base units. All heaters are single point power and all field-installed electric heat accessories require a supplemental single point power kit based on the unit specifications.

Staged gas heat

Factory-installed option in stainless steel.

Staged gas heating is available in two sizes, each with two stages of operation. The stainless steel gas heat exchanger available for application in corrosive environments.

Modulating gas heat

Factory-installed option.

For improved temperature control and to provide more exact heating operation, select a modulating gas heat furnace. With the same maximum heating capacity as the high-heat staged gas heat and a 2.85 to 1 turndown ratio, the modulating gas heat option provides the same full load heating capabilities as the staged heating option and can also adjust the input rate to reflect the heating call. All modulating gas heat furnaces are equipped with stainless steel heat exchangers.

➤ **Important:** Modulating furnaces are not certified for use with propane and cannot be converted from the factory.

Flue exhaust extension

Field-installed option.

In locations with wind or weather conditions that interfere with the proper exhausting of furnace combustion products, this accessory can prevent the flue exhaust from entering nearby fresh air intakes.

Propane conversion kit

Field-installed option.

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

➤ **Important:** Modulating furnaces are **not** certified for use with propane and cannot be converted from the factory.

Gas heat high altitude kit

Field-installed option.

Use this kit to convert a gas heat unit to operate at high altitudes from 2,000 ft to 10,000 ft. Conversion kits are available for natural gas and propane.

Hinged and toolless access panels

Factory-installed option.

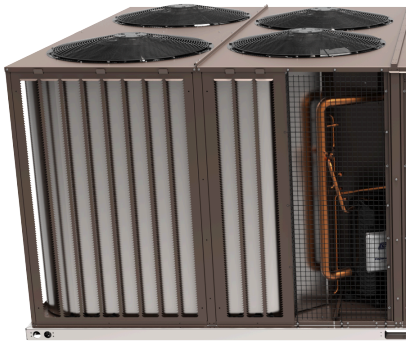
To reduce service time, hinged and toolless access panels provide quick and easy access to frequently inspected or service components and areas of the unit. Hinged panels provide access to the control box, filters, gas and electric heat controls, and indoor blower section.

Coil guard and hail guard

Factory or field-installed option.

A louvered panel design combination coil guard and hail guard protects the unit condenser coils and outdoor condenser area from a wide range of damage caused by events such as hail, tampering, and animal entry.

Figure 7: Coil guard and hail guard



Stainless steel drain pan

Factory-installed option.

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

Circuit breaker

Factory-installed option.

A factory-installed circuit breaker provides both easy access to shut off power to the unit for safe servicing and also protects the unit from a short-circuit or overload condition.

Non-fused disconnect switch

Factory-installed option.

A factory-mounted service disconnect switch provides easy access to shut off power to the unit for safe servicing of the product.

Powered convenience outlet

Factory-installed option.

The powered convenience outlet option provides a 120 V single-phase GFCI outlet with a cover on the unit exterior. The outlet is powered by a stepdown transformer in the unit.

Non-powered convenience outlet

Factory or field-installed option.

The non-powered convenience outlet option provides a 120 V single-phase GFCI outlet with a cover on the exterior of the unit. The outlet requires the installer to provide the 120 V single-phase power source and wiring. The outlet is available factory installed or as a field-installed accessory.

65 kA high

Factory-installed option.

The high short-circuit current rating (SCCR) electrical option replaces all necessary electrical components and wiring with higher rated components and larger gauge wiring to increase the short-circuit current rating to 65 kA from the standard unit 5 kA rating. This provides additional protection to the unit in the event of a short-circuit condition.

Supply and return air 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 supply 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 must be relocated to prevent false alarms.

Phase monitor

Factory-installed option.

Monitors the electrical phase to the unit to prevent damage from out of phase conditions.

Air proving switch

Factory or field-installed option.

To ensure proper indoor blower operation, you can use an optional air proving switch to monitor whether supply air airflow is present when a cooling or heating cycle initiates. If proper airflow is not detected at the beginning of a cycle or throughout operation, the call for heating or cooling is cancelled and a unit alarm registered.

Dirty filter switch

Factory or field-installed option.

This option 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.

CO_2 sensor

Factory or field-installed option.

The provided CO_2 sensor detects CO_2 levels and automatically overrides the economizer when levels rise higher than the preset limits.

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.

Low ambient head pressure control

Factory or field-installed option.

An integrated low-ambient control allows units to operate in the cooling mode down to 0°F outdoor ambient without additional components or intervention. The option includes a divider panel for the condenser section to isolate airflow through the condenser coils. Optionally, you can program the control board to lock out the compressors when the outdoor air temperature is low or when free cooling is available.

E-coat evaporator and condenser

Factory-installed option.

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

Filters

Factory-installed option.

A 2 in. pleated MERV 8, 2 in. pleated MERV 13 or 4 in. pleated MERV 13 are available to meet LEED requirements. A 2 in. throwaway is shipped as standard.

Refrigerant Detection System

Factory or field-installed option.

Integrated sensors providing R-454B leak detection. The RDS is connected to the unit controls and automatically starts a sequence to dilute refrigerant gas when a leak is detected. When the presence of refrigerant is detected in the cabinet, an alarm is set off indicating a leak equal to 25% of the lower flammability limit. These sensors are positioned to ensure accurate and timely sensing of a leak.

Smart Equipment™ control with communication

Factory or field-installed 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.

Mobile Access Portal gateway for use with Smart Equipment™ control

Field-installed option.

You can use the Mobile Access Portal (MAP) gateway to provide a wireless connection to any Smart Equipment™ enabled product or system. The MAP gateway generates a Wi-Fi signal for connection with any electronic device with Wi-Fi capabilities and a web browser. Used in conjunction with the Smart Equipment™ communication card and daisy chained network wiring, a single MAP gateway can provide single point access to an entire network of rooftop units through the unit control board, a Smart Equipment™ enabled zone sensor, or Smart Equipment™ enabled thermostat.

SkyQ

Factory or field-installed option.

SkyQ provides a simple user experience with configurable self-recognizing controllers without the need for any additional tools. SkyQ creates enhanced integration of HVACR equipment, zoning, and controls. Contractors can provide a complete bundled solution of equipment and controls to serve the light commercial market.

Physical data

Table 8: KS15 to KS18 and KK15 to KK18 physical data

Component	Models					
	KS15 and KK15			KS18 and KK18		
Nominal Tonnage	15			17.5		
ARI cooling performance	2 Stage	4 Stage		2 Stage	4 Stage	
Gross Capacity @ ARI A point (Btu)	180,000	180,000		210,000	214,000	
ARI net capacity (Btu)	174,000	174,000		202,000	206,000	
EER	11.1[1] / 11.0[2]	11.0[1] / 10.8[2]		11.0[1] / 10.8[2]	11.0[1] / 10.8[2]	
IEER with Intellispeed	14.2[1] / 14.0[2]	14.8[1] / 14.6[2]		14.2[1] / 14.0[2]	14.4[1] / 14.2[2]	
IEER with VAV	NA	14.6[1] / 14.4[2]		NA	14.2[1] / 14.0[2]	
CFM	4860	4870		5670	5680	
System power (KW)	15.5	15.9		18.6	19.0	
Refrigerant type	R-454B	R-454B		R-454B	R-454B	
Refrigerant charge (lb-oz)						
System 1	8-12	8-6		9-8	9-8	
System 2	8-14	8-4		9-8	9-8	
ARI heating performance						
Heating model	S1	S3	T3	S1	S3	T3
Heating type	Stg. Low	Stg. High	Mod. High	Stg. Low	Stg. High	Mod. High
1st. stage heat input (kBtu)	150	262	123	150	262	123
2nd. stage heat input (kBtu)	200	350	350	200	350	350
1st. stage heat output (kBtu)	122	213	100	122	213	100
2nd. stage heat output (kBtu)	162	284	284	162	284	284
Steady state efficiency (%)	81	81	81	81	81	81
No. burners	5	9	9	5	9	9
No. stages / turn down	2	2	2.85 to 1	2	2	2.85 to 1
Temperature rise range (°F)	10-40	25-55	25-55	10-40	25-55	25-55
Gas limit setting (°F)	140	140	140	140	140	140
Gas piping connection (in.)	3/4	3/4	3/4	3/4	3/4	3/4
Dimensions (in.)						
Length	129-3/4			143-13/16		
Width	88-3/4			88-3/4		
Height	49-1/4			49-1/4		
Operating weight (lbs.)	2035			2230		
Compressors	2 Stage	4 Stage		2 Stage	4 Stage	
Type	Scroll	Scroll		Scroll	Scroll	
Quantity	2	2		2	2	
Unit capacity steps (%)	50/100	34/50/84/100		46/100	31/46/85/100	
Condenser coil data						
Face area (sq ft)	22.1			25.1		
Type	MCHX			MCHX		
Thickness	25mm			25mm		
FPI	23			23		
Circuitry Type	2-Pass			2-Pass		
Evaporator coil data						
Face area (sq ft)	22.0			22.0		
Rows	4			4		
Fins per inch	15			15		
Tube diameter	3/8			3/8		
Circuitry type	Intertwined			Intertwined		
Refrigerant control	TXV			TXV		
Condenser fan data						
Quantity	2			4		

Table 8: KS15 to KS18 and KK15 to KK18 physical data

Component	Models					
	KS15 and KK15			KS18 and KK18		
Nominal Tonnage	**15**			**17.5**		
Fan diameter (in.)	30			24		
Type	Prop			Prop		
Drive type	Direct			Direct		
Number of motors	2			4		
Motor HP each	1/2			1/2		
RPM	850			1085		
Nominal total CFM	10,700			15,800		
Belt drive evaporator fan data						
Quantity	2			2		
Fan Size (in.)	15x15			15x15		
Type	Centrifugal			Centrifugal		
Static Range	Std	Med	High	Std	Med	High
Motor Sheave	1VP40	1VM50	1VP60	1VP56	1VP60	1VP65
Blower Sheave	1B5V68	1B5V70	1B5V80	1B5V86	1B5V80	1B5V80
Belt	BX40	BX40	BX43	BX43	BX43	5VX450
Motor HP each	3.0	5.0	7.5	5.0	7.5	10.0
RPM	1749	1726	1766	1726	1766	1768
Frame size	56	145T	213T	145T	213T	215T
Filters						
Quantity - size	6 - (20 x 25 x 2)[3,4,5]			6 - (20 x 25 x 2)[3,4,5]		
	6 - (20 x 25 x 4)[6]			6 - (20 x 25 x 4)[6]		

Note:

1. Cooling only unit or cooling unit with electric heat.
2. Cooling unit with gas heat.
3. 2 in. throwaway, standard, MERV (Minimum Efficiency Reporting Value)
4. Optional 2 in. pleated, MERV 8
5. Optional 2 in. pleated, MERV 13
6. Optional 4 in. pleated, MERV 13

Table 9: KS20 to KS25 and KK20 to KK25 physical data

Component	Models					
	KS20 and KK20			KS25 and KK25		
Nominal Tonnage	20			25		
ARI cooling performance	2 Stage	4 Stage		2 Stage	4 Stage	
Gross Capacity @ ARI A point (Btu)	244,000	248,000		302,000	296,000	
ARI net capacity (Btu)	234,000	238,000		286,000	280,000	
EER	11.0[1] / 10.8[2]	11.0[1] / 10.8[2]		10.2[1] / 10.0[2]	10.0[1] / 9.8[2]	
IEER with Intellispeed	14.2[1] / 14.0[2]	14.4[1] / 14.2[2]		14.0[1] / 13.8[2]	14.4[1] / 14.2[2]	
IEER with VAV	NA	14.2[1] / 14.0[2]		NA	14.2[1] / 14.0[2]	
CFM	6580	6560		8190	8320	
System power (kW)	21.5	22.0		28.5	28.5	
Refrigerant type	R-454B	R-454B		R-454B	R-454B	
Refrigerant charge (lb-oz)						
System 1	11-14	11-14		13-4	12-14	
System 2	11-12	11-12		14-8	14-0	
ARI heating performance						
Heating model	S1	S3	T3	S1	S3	T3
Heating type	Stg. Low	Stg. High	Mod. High	Stg. Low	Stg. High	Mod. High
1st. Stage heat input (kBtu)	150	262	123	150	262	123
2nd. Stage heat input (kBtu)	200	350	350	200	350	350
1st. Stage heat output (kBtu)	122	213	100	122	213	100
2nd. Stage heat output (kBtu)	162	284	284	162	284	284
Steady state efficiency (%)	81	81	81	81	81	81
Number of burners	5	9	9	5	9	9
No. stages / Turn Down	2	2	2.85 to 1	2	2	2.85 to 1
Temperature rise range (°F)	05-35	15-45	15-45	05-35	15-45	15-45
Gas limit setting (°F)	140	140	140	140	140	140
Gas piping connection (in.)	3/4	3/4	3/4	3/4	3/4	3/4
Dimensions (in.)						
Length	143-13/16			143-13/16		
Width	88-3/4			88-3/4		
Height	57-1/4			57-1/4		
Operating weight (lb)	2255			2377		
Compressors	2 Stage	4 Stage		2 Stage	4 Stage	
Type	Scroll	Scroll		Scroll	Scroll	
Quantity	2	2		2	3	
Unit capacity steps (%)	47/100	31/47/85/100		50/100	25/50/75/100	
Condenser coil data						
Face area (sq ft)	30.8			30.8		
Type	MCHX			MCHX		
Thickness	25mm			25mm		
FPI	23			23		
Circuitry Type	2-Pass			2-Pass		
Evaporator coil data						
Face area (sq ft)	26.0			26.0		
Rows	4			4		
Fins per in.	15			15		
Tube diameter	3/8			3/8		
Circuitry Type	Intertwined			Intertwined		
Refrigerant control	TXV			TXV		
Condenser fan data						
Quantity	4			4		
Fan diameter (in.)	24			24		
Type	Prop			Prop		

Table 9: KS20 to KS25 and KK20 to KK25 physical data

Component	Models					
	KS20 and KK20			KS25 and KK25		
Nominal Tonnage	**20**			**25**		
Drive type	Direct			Direct		
Number of motors	4			4		
Motor HP each	1/2			1/2		
RPM	1085			1085		
Nominal total CFM	16,900			16,900		
Belt drive evaporator fan data						
Quantity	2			2		
Fan Size (in.)	15x15			15x15		
Type	Centrifugal			Centrifugal		
Static range	Std	Med	High	Std	Med	High
Motor sheave	1VP60	1VP65	1VP60	1VP65	1VP60	1VP71
Blower sheave	1B5V90	1B5V86	1B5V70	1B5V90	1B5V70	1B5V80
Belt	BX43	BX43	5VX450	5VX450	5VX450	BX43
Motor HP each	5.0	7.5	10.0	7.5	10.0	12.0
RPM	1726	1766	1768	1766	1768	1760
Frame size	145T	213T	215T	213T	215T	215T
Filters						
Quantity - size	9 - (16 x 25 x 2)[3,4,5]			9 - (16 x 25 x 2)[3,4,5]		
	9 - (16 x 25 x 4)[6]			9 - (16 x 25 x 4)[6]		

Note:

1. Cooling only unit or cooling unit with electric heat.
2. Cooling unit with gas heat.
3. 2 in. throwaway, standard, MERV (Minimum Efficiency Reporting Value)
4. Optional 2 in. pleated, MERV 8
5. Optional 2 in. pleated, MERV 13
6. Optional 4 in. pleated, MERV 13

Unit limitations

Table 10: KS15 to KS25 and KK15 to KK25 unit limitations

Unit voltage (V)	Applied voltage (V)		Outdoor DB temperature
	Minimum	Maximum	Maximum °F
208/230-3-60	180	254	125
460-3-60	416	508	125
575-3-60	520	635	125

Capacity performance tables

The following tables show the capacity performance for the units. The total capacities (TC) and sensible capacities (SC) are gross ratings. For net capacity, deduct the air blower motor, MBH = 3.412 x kW. See the appropriate blower performance table for the kW of the supply air blower motor.

KS15 and KK15 cooling capacity performance

Table 11: KS15 and KK15 cooling capacity performance 75°F to 85°F

Air on evap. coil		Temperature of air on condenser coil																					
		Return dry bulb temperature °F																					
CFM	WB °F	90		85		80		75		70		65		90		85		80		75		70		65	
		TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH
		75 °F												85 °F									
3900	77	225.2	114.0	225.8	96.1	226.3	78.1	-	-	-	-	-	-	215.0	108.9	215.5	91.8	216.1	74.7	-	-	-	-	-	-
	72	206.4	130.4	207.1	114.2	207.5	95.9	207.8	79.3	-	-	-	-	197.3	126.5	197.7	109.1	198.1	93.4	198.1	75.7	-	-	-	-
	67	189.6	147.0	189.9	130.2	190.1	113.4	190.2	96.5	190.3	79.6	-	-	180.1	142.8	180.5	125.4	180.5	109.3	180.8	91.8	181.0	75.8	-	-
	62	175.5	175.5	173.1	146.5	173.8	130.1	174.0	113.2	174.1	96.2	174.2	79.2	168.1	168.1	164.2	141.9	164.9	124.9	165.0	108.9	165.1	91.3	165.1	75.1
	57	174.5	174.5	166.9	166.9	159.0	159.0	158.7	128.7	158.7	111.8	158.7	96.3	167.0	167.0	159.4	159.4	151.7	151.7	150.0	124.4	150.3	107.2	150.1	91.1
4500	77	231.9	121.9	232.6	101.6	233.3	81.1	-	-	-	-	-	-	221.3	116.4	222.0	97.0	222.6	77.5	-	-	-	-	-	-
	72	213.2	140.7	213.5	121.9	214.2	101.3	214.3	82.3	-	-	-	-	203.1	135.9	203.6	116.3	204.0	98.4	204.4	78.6	-	-	-	-
	67	195.2	160.1	195.8	141.4	196.1	120.8	196.3	101.8	196.5	82.7	-	-	185.8	154.1	186.2	136.2	186.3	116.5	186.8	96.9	186.6	78.6	-	-
	62	185.3	185.3	179.2	158.1	179.7	141.1	179.9	120.5	180.0	101.4	180.0	82.3	177.4	177.4	170.4	151.8	170.3	135.2	170.6	115.8	170.6	97.7	170.6	78.1
	57	184.1	184.1	175.9	175.9	167.7	167.7	164.0	138.9	164.5	120.4	164.5	101.5	176.3	176.3	168.1	168.1	160.0	160.0	155.1	134.1	155.5	115.3	155.5	96.1
5250	77	237.9	130.0	238.8	107.2	239.8	86.5	-	-	-	-	-	-	226.9	126.1	227.7	104.4	228.6	82.6	-	-	-	-	-	-
	72	219.6	153.1	220.2	130.2	220.9	109.1	221.0	85.8	-	-	-	-	209.2	147.7	209.7	125.9	210.0	103.9	210.5	81.9	-	-	-	-
	67	200.6	175.2	201.6	153.1	201.9	130.2	202.2	109.0	202.5	86.1	-	-	191.1	168.6	191.9	147.4	191.9	125.6	192.4	103.9	192.5	82.0	-	-
	62	195.5	195.5	186.8	186.8	185.1	152.0	185.4	129.5	185.6	108.4	185.7	85.7	187.3	187.3	178.5	178.5	175.4	147.1	175.7	125.8	175.9	104.4	175.8	81.3
	57	194.4	194.4	185.5	185.5	176.8	176.8	169.7	151.3	170.1	129.3	170.0	108.4	186.2	186.2	177.4	177.4	168.7	168.7	160.8	144.8	160.8	125.1	160.7	102.6
6000	77	242.8	139.8	244.0	114.9	244.8	89.5	-	-	-	-	-	-	231.4	135.4	232.4	109.6	233.3	85.5	-	-	-	-	-	-
	72	224.0	164.4	224.8	139.5	225.5	114.3	226.0	90.9	-	-	-	-	213.2	158.4	213.8	134.7	214.2	110.7	215.1	86.7	-	-	-	-
	67	206.2	185.6	206.3	164.2	207.0	139.5	207.3	114.5	207.5	89.2	-	-	196.9	196.9	196.5	159.8	196.9	134.5	197.1	110.7	197.2	86.7	-	-
	62	204.3	204.3	194.8	194.8	189.0	163.6	189.8	139.6	190.2	115.1	190.1	90.4	195.8	195.8	186.5	186.5	179.1	158.2	179.5	133.7	180.0	109.1	180.0	85.8
	57	203.1	203.1	193.7	193.7	184.5	184.5	175.2	175.2	174.3	138.8	174.2	113.2	194.5	194.5	185.4	185.4	176.0	176.0	166.9	166.9	164.6	132.6	164.6	108.5
6750	77	246.6	147.2	247.7	120.0	248.9	92.4	-	-	-	-	-	-	235.1	144.6	236.1	116.6	237.1	90.4	-	-	-	-	-	-
	72	227.5	175.4	228.9	148.7	229.4	121.3	229.9	93.8	-	-	-	-	216.5	170.7	217.6	143.5	218.1	117.5	218.3	89.4	-	-	-	-
	67	213.1	213.1	210.4	174.9	211.0	148.2	211.0	121.1	211.4	94.0	-	-	204.1	204.1	199.2	169.1	199.5	142.0	200.8	117.1	200.8	89.6	-	-
	62	211.8	211.8	201.8	201.8	193.5	172.5	193.5	147.8	193.8	119.8	193.7	93.3	203.0	203.0	193.5	193.5	183.4	183.4	183.4	141.7	183.5	115.2	183.3	88.5
	57	210.6	210.6	200.6	200.6	191.1	191.1	181.4	181.4	177.5	146.2	177.7	119.2	201.6	201.6	192.1	192.1	182.3	182.3	172.7	172.7	167.7	141.1	167.7	114.1
7500	77	249.8	156.5	251.1	127.2	252.3	97.5	-	-	-	-	-	-	238.1	151.4	239.2	123.5	240.2	93.2	-	-	-	-	-	-
	72	230.6	186.1	231.8	157.4	232.7	126.3	233.4	96.8	-	-	-	-	219.1	180.5	220.4	151.7	221.2	122.2	221.9	94.3	-	-	-	-
	67	219.5	219.5	212.5	186.0	213.7	156.2	214.1	127.5	214.3	96.8	-	-	210.1	210.1	202.4	178.8	203.2	150.4	203.7	121.5	203.4	93.9	-	-
	62	218.2	218.2	208.0	208.0	197.8	197.8	196.8	155.7	197.0	126.0	196.7	97.7	209.0	209.0	199.3	199.3	189.1	189.1	186.3	150.6	186.7	121.2	186.3	92.8
	57	217.0	217.0	206.8	206.8	196.7	196.7	186.6	186.6	180.3	154.8	180.6	124.9	207.6	207.6	198.0	198.0	187.8	187.8	177.8	177.8	170.2	149.1	170.4	120.9

Table 12: KS15 and KK15 cooling capacity performance 95°F to 105°F

Air on evap. coil		Temperature of air on condenser coil																					
		Return dry bulb temperature °F																					
CFM	WB °F	90		85		80		75		70		65		90		85		80		75		70		65	
		TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH
		95 °F												105 °F									
3900	77	204.1	105.3	204.6	89.1	205.1	71.0	-	-	-	-	-	-	192.5	101.1	192.8	84.0	193.5	67.1	-	-	-	-	-	-
	72	187.0	121.6	187.3	105.1	187.7	88.5	187.9	71.9	-	-	-	-	176.0	116.0	176.4	100.6	176.9	83.6	177.1	67.9	-	-	-	-
	67	170.6	138.3	171.2	122.0	171.2	105.3	171.4	88.6	171.3	71.8	-	-	160.4	133.0	161.1	116.4	161.3	100.7	161.4	83.6	161.3	67.7	-	-
	62	160.3	160.3	155.0	136.7	155.6	120.6	155.7	104.2	155.8	87.6	155.7	71.0	152.5	152.5	146.1	130.2	146.2	116.0	146.2	99.2	146.2	83.6	146.2	66.7
	57	159.3	159.3	151.7	151.7	144.3	144.3	141.1	119.5	141.5	103.5	141.4	87.1	151.4	151.4	144.0	144.0	136.4	136.4	131.8	114.0	132.4	98.1	132.3	81.6
4500	77	209.9	112.4	210.6	94.1	211.0	75.5	-	-	-	-	-	-	197.8	107.8	198.4	88.7	199.0	71.3	-	-	-	-	-	-
	72	192.4	130.5	192.7	111.9	192.9	93.2	193.5	74.6	-	-	-	-	180.8	125.9	181.4	107.0	181.8	89.5	182.1	70.3	-	-	-	-
	67	175.5	150.2	176.2	130.5	176.5	112.0	176.8	93.4	176.7	74.6	-	-	164.7	143.8	165.6	125.6	165.9	106.8	166.3	89.4	166.3	70.3	-	-
	62	169.4	169.4	161.1	161.1	160.6	130.3	160.9	112.2	160.9	92.3	160.7	73.7	160.9	160.9	152.9	152.9	150.7	125.0	151.1	106.7	151.0	88.0	150.8	69.3
	57	168.3	168.3	160.1	160.1	152.1	152.1	146.0	128.8	146.3	111.1	146.3	91.8	159.9	159.9	152.0	152.0	144.0	144.0	137.0	122.1	136.8	105.1	136.8	87.1
5250	77	214.9	121.4	215.7	99.1	216.5	78.4	-	-	-	-	-	-	202.3	116.2	203.2	95.3	204.0	74.1	-	-	-	-	-	-
	72	197.8	143.2	198.3	121.0	198.8	100.3	199.2	77.7	-	-	-	-	185.9	138.0	186.5	117.1	187.1	96.2	187.3	74.9	-	-	-	-
	67	181.3	161.6	181.4	142.6	181.7	120.5	182.0	100.0	182.0	77.7	-	-	170.8	170.8	170.2	136.8	170.6	116.3	170.8	95.5	170.9	74.6	-	-
	62	178.9	178.9	170.1	170.1	165.3	141.6	165.7	120.2	165.9	98.6	165.7	78.2	169.7	169.7	161.3	161.3	154.9	136.8	155.5	115.6	155.6	94.0	155.3	73.5
	57	177.8	177.8	169.1	169.1	160.2	160.2	151.7	151.7	151.1	118.9	151.1	97.9	168.7	168.7	160.4	160.4	152.0	152.0	143.4	143.4	141.1	113.5	141.2	92.8
6000	77	219.3	130.4	220.2	106.0	221.0	81.3	-	-	-	-	-	-	206.4	124.7	207.3	101.8	208.2	78.7	-	-	-	-	-	-
	72	201.6	153.4	202.2	129.3	202.7	106.7	203.3	82.2	-	-	-	-	189.3	149.1	189.9	124.8	190.7	102.2	190.8	77.5	-	-	-	-
	67	187.8	187.8	185.5	154.1	186.1	130.4	186.3	106.4	186.4	82.2	-	-	178.2	178.2	173.6	147.3	174.5	124.0	174.9	101.6	174.8	77.4	-	-
	62	186.5	186.5	177.7	177.7	169.7	151.3	169.7	129.4	169.7	104.5	169.7	81.1	177.1	177.1	168.3	168.3	159.6	159.6	159.2	124.2	159.2	99.5	159.0	76.3
	57	185.6	185.6	176.7	176.7	167.3	167.3	158.4	158.4	154.6	127.2	154.7	103.5	176.0	176.0	167.3	167.3	158.6	158.6	149.7	149.7	144.4	122.6	144.7	99.4
6750	77	222.7	139.0	223.5	112.6	225.1	86.2	-	-	-	-	-	-	209.5	132.8	210.5	108.1	210.9	81.1	-	-	-	-	-	-
	72	204.8	165.0	205.6	139.2	206.2	111.3	206.8	85.0	-	-	-	-	192.4	158.4	193.2	132.7	193.9	106.6	194.2	81.9	-	-	-	-
	67	194.5	194.5	188.1	164.5	189.4	138.2	190.0	112.7	189.6	84.9	-	-	184.5	184.5	177.0	156.4	177.7	132.8	178.0	107.3	177.9	81.5	-	-
	62	193.3	193.3	184.1	184.1	174.4	174.4	173.1	136.8	173.0	110.3	172.6	85.1	183.4	183.4	174.3	174.3	165.2	165.2	162.3	131.0	162.4	106.4	161.8	80.1
	57	192.2	192.2	183.0	183.0	173.5	173.5	164.0	164.0	157.4	135.1	157.6	110.0	182.2	182.2	173.3	173.3	164.3	164.3	155.1	155.1	147.1	130.0	147.3	104.3
7500	77	225.6	147.5	226.5	117.3	227.6	88.8	-	-	-	-	-	-	212.1	142.5	213.2	112.5	213.9	85.7	-	-	-	-	-	-
	72	206.8	174.0	208.2	147.0	209.2	117.6	209.5	89.5	-	-	-	-	194.2	168.3	195.7	141.6	196.6	112.5	196.6	84.4	-	-	-	-
	67	200.3	200.3	191.7	172.6	191.9	145.4	192.1	118.1	192.2	89.1	-	-	190.0	190.0	180.6	180.6	179.9	141.0	180.2	112.6	180.2	84.0	-	-
	62	199.2	199.2	189.6	189.6	179.9	179.9	175.8	145.1	176.0	116.0	175.6	87.9	188.8	188.8	179.5	179.5	170.0	170.0	164.7	138.8	165.0	111.7	164.5	84.1
	57	198.0	198.0	188.5	188.5	178.8	178.8	168.9	168.9	160.2	143.0	160.0	115.0	187.7	187.7	178.5	178.5	169.0	169.0	159.7	159.7	149.9	149.9	149.6	110.2

Table 13: KS15 and KK15 cooling capacity performance 115°F to 125°F

Air on evap. coil		Temperature of air on condenser coil																					
		Return dry bulb temperature °F																					
CFM	WB °F	90		85		80		75		70		65		90		85		80		75		70		65	
		TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH
		115 °F												125 °F									
3900	77	180.2	96.3	180.9	80.5	181.7	63.1	-	-	-	-	-	-	167.5	91.1	168.2	75.0	168.5	60.1	-	-	-	-	-	-
	72	164.6	111.5	165.1	95.7	165.5	79.7	165.7	63.6	-	-	-	-	152.8	106.3	152.9	91.5	153.5	75.4	153.9	59.2	-	-	-	-
	67	149.8	126.9	150.3	111.3	150.6	95.4	150.8	79.5	150.8	63.4	-	-	138.4	120.9	139.2	106.8	139.4	90.9	139.7	75.0	139.7	58.9	-	-
	62	144.1	144.1	136.8	136.8	136.2	110.5	136.5	95.1	136.5	78.1	136.3	62.3	135.3	135.3	128.4	128.4	125.8	105.4	126.3	89.1	126.4	73.5	126.3	57.8
	57	143.2	143.2	135.8	135.8	128.6	128.6	122.9	108.4	123.0	93.3	123.0	77.0	134.4	134.4	127.5	127.5	120.6	120.6	113.6	102.3	0.0	0.0	113.5	72.2
4500	77	185.1	102.6	185.7	84.8	186.3	67.0	-	-	-	-	-	-	171.8	98.4	172.5	80.5	173.1	62.4	-	-	-	-	-	-
	72	169.0	120.8	169.5	103.1	170.0	85.3	170.1	65.9	-	-	-	-	156.6	116.1	157.2	98.5	157.6	80.7	157.7	62.6	-	-	-	-
	67	154.2	137.4	154.4	119.9	154.8	102.4	155.0	84.8	155.1	65.8	-	-	143.4	143.4	142.7	114.7	143.2	97.4	143.5	79.9	143.6	62.3	-	-
	62	151.9	151.9	144.3	144.3	140.3	120.1	140.9	102.0	140.9	83.5	140.7	66.0	142.4	142.4	135.2	135.2	129.6	114.3	130.0	96.5	130.1	78.3	130.0	61.2
	57	150.9	150.9	143.2	143.2	135.6	135.6	128.0	128.0	127.1	99.9	127.1	82.1	141.6	141.6	134.3	134.3	127.0	127.0	119.5	119.5	117.2	95.2	117.2	77.9
5250	77	189.1	112.1	190.1	91.0	190.7	69.5	-	-	-	-	-	-	175.6	107.4	176.3	86.1	177.0	66.3	-	-	-	-	-	-
	72	173.4	131.8	174.2	111.0	174.7	91.5	174.9	70.2	-	-	-	-	160.5	126.3	161.3	105.8	161.8	86.4	162.1	65.3	-	-	-	-
	67	161.1	161.1	158.3	131.5	159.0	111.3	159.3	90.6	159.3	69.8	-	-	151.0	151.0	146.0	126.3	147.0	105.5	147.3	85.2	147.3	64.7	-	-
	62	160.1	160.1	152.0	152.0	144.9	129.2	144.6	110.1	144.9	88.9	144.8	68.7	150.0	150.0	142.3	142.3	134.5	134.5	133.5	104.0	133.7	84.5	133.4	63.6
	57	159.0	159.0	151.0	151.0	143.0	143.0	134.8	134.8	131.0	108.9	131.2	88.6	149.1	149.1	141.4	141.4	133.6	133.6	125.8	125.8	120.4	103.2	120.8	82.8
6000	77	192.9	120.1	193.9	97.2	194.5	73.8	-	-	-	-	-	-	178.5	114.4	179.6	91.8	180.5	68.9	-	-	-	-	-	-
	72	176.7	142.3	177.3	119.8	177.8	97.1	178.2	72.7	-	-	-	-	162.8	136.8	164.1	113.8	164.6	91.6	165.0	69.0	-	-	-	-
	67	167.9	167.9	161.7	141.4	162.6	118.4	163.0	96.3	162.9	72.4	-	-	157.3	157.3	150.1	135.1	150.2	113.4	150.6	90.5	150.5	68.5	-	-
	62	167.0	167.0	158.6	158.6	150.1	150.1	148.0	118.1	148.1	95.3	147.9	72.4	156.4	156.4	148.3	148.3	140.1	140.1	136.6	112.5	136.6	90.4	136.2	67.0
	57	165.9	165.9	157.6	157.6	149.1	149.1	140.6	140.6	133.9	117.2	134.2	93.4	155.3	155.3	147.4	147.4	139.3	139.3	131.1	131.1	123.7	110.4	0.0	0.0
6750	77	195.5	127.5	196.7	103.0	197.8	76.5	-	-	-	-	-	-	181.2	123.1	182.3	97.4	183.1	72.8	-	-	-	-	-	-
	72	178.8	153.3	180.2	127.0	180.9	102.8	181.2	76.8	-	-	-	-	165.4	146.1	166.8	121.9	167.5	96.9	167.8	71.5	-	-	-	-
	67	173.8	173.8	165.1	165.1	165.4	126.6	166.0	101.7	165.6	76.3	-	-	162.6	162.6	154.4	154.4	152.8	120.9	153.1	96.7	152.9	72.1	-	-
	62	172.8	172.8	164.1	164.1	155.3	155.3	150.7	125.6	151.0	100.4	150.5	74.9	161.7	161.7	153.4	153.4	145.0	145.0	138.6	120.2	139.6	95.5	138.7	70.6
	57	171.7	171.7	163.1	163.1	154.3	154.3	145.6	145.6	137.2	123.5	136.6	99.1	160.7	160.7	152.5	152.5	144.1	144.1	135.6	135.6	127.1	127.1	125.8	93.5
7500	77	198.2	136.7	199.2	108.9	200.1	80.7	-	-	-	-	-	-	183.1	131.2	184.4	102.8	185.4	75.4	-	-	-	-	-	-
	72	181.3	161.7	182.1	135.1	183.2	108.3	183.4	80.8	-	-	-	-	168.5	168.5	168.6	129.4	169.5	102.0	169.8	75.3	-	-	-	-
	67	178.9	178.9	169.9	169.9	167.6	134.3	167.8	106.5	167.6	80.0	-	-	167.5	167.5	158.9	158.9	154.4	128.9	155.0	101.3	154.7	74.4	-	-
	62	177.9	177.9	168.9	168.9	159.8	159.8	152.6	133.7	153.4	106.6	152.9	78.6	166.5	166.5	157.9	157.9	149.2	149.2	141.1	125.9	141.4	100.8	140.7	74.0
	57	176.9	176.9	167.9	167.9	158.9	158.9	149.7	149.7	140.7	140.7	139.0	103.7	165.5	165.5	157.0	157.0	148.4	148.4	139.6	139.6	130.8	130.8	127.8	98.7

KS18 and KK18 cooling capacity performance

Table 14: KS18 and KK18 cooling capacity performance 75°F to 85°F

Air on evap. coil		Temperature of air on condenser coil																					
		Return dry bulb temperature °F																					
		90		85		80		75		70		65		90		85		80		75		70		65	
CFM	WB °F	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH
		75 °F												85 °F											
4680	77	271.9	140.7	271.9	120.7	272.4	98.4	-	-	-	-	-	-	257.1	135.6	257.9	114.7	258.3	93.5	-	-	-	-	-	-
	72	248.6	160.9	248.8	140.4	249.2	120.1	249.4	99.5	-	-	-	-	235.0	154.3	235.8	135.4	236.2	113.9	236.9	94.7	-	-	-	-
	67	226.7	182.2	226.9	161.6	227.1	140.9	227.3	120.1	227.3	99.3	-	-	214.9	174.7	215.0	155.1	215.1	133.5	215.1	113.9	215.2	94.2	-	-
	62	208.3	208.3	206.8	179.5	206.8	160.6	206.8	139.8	206.8	119.0	206.8	98.2	198.8	198.8	195.4	173.2	195.7	153.8	195.8	134.2	195.8	112.8	195.8	93.1
	57	206.3	206.3	197.0	197.0	187.7	187.7	187.6	157.7	187.7	137.3	187.6	116.7	197.0	197.0	187.8	187.8	178.8	178.8	177.4	150.8	177.5	131.5	177.4	112.1
5250	77	278.2	149.6	278.8	126.9	279.0	101.5	-	-	-	-	-	-	263.2	141.7	264.0	120.4	264.4	96.4	-	-	-	-	-	-
	72	254.7	172.2	255.0	149.0	255.5	126.0	255.8	102.7	-	-	-	-	241.1	165.2	241.4	143.4	241.8	119.4	242.0	97.4	-	-	-	-
	67	232.2	193.1	232.7	170.2	233.2	147.1	233.3	126.0	233.4	102.6	-	-	220.0	187.0	220.5	163.3	220.8	141.5	220.8	119.4	220.8	97.3	-	-
	62	217.8	217.8	212.3	192.0	212.7	169.2	212.8	148.0	212.6	124.7	212.4	101.4	207.7	207.7	200.4	183.2	201.0	163.6	201.0	139.9	200.8	117.9	200.9	96.1
	57	215.7	215.7	206.0	206.0	196.0	196.0	193.2	167.8	193.3	145.1	193.2	122.3	205.7	205.7	196.1	196.1	186.7	186.7	182.5	160.2	182.7	138.9	182.6	117.4
6125	77	285.7	159.9	286.5	134.3	287.1	108.5	-	-	-	-	-	-	270.7	154.2	271.1	127.4	271.7	103.0	-	-	-	-	-	-
	72	262.5	185.3	262.8	159.3	263.5	133.5	263.8	107.4	-	-	-	-	248.0	179.6	248.5	153.1	249.2	128.8	249.4	101.8	-	-	-	-
	67	239.9	210.6	240.5	185.1	240.6	159.2	240.8	133.2	240.7	107.1	-	-	226.7	203.2	227.2	179.0	227.5	152.7	227.7	128.2	227.7	101.6	-	-
	62	230.2	230.2	219.7	219.7	219.4	182.9	219.7	157.4	219.1	131.4	219.8	106.2	219.5	219.5	209.2	209.2	207.3	176.6	207.4	150.6	207.6	126.6	207.5	100.5
	57	228.1	228.1	217.7	217.7	207.3	207.3	200.0	181.1	200.1	156.2	199.9	130.9	217.4	217.4	207.2	207.2	197.1	197.1	188.8	174.3	188.9	149.2	188.9	125.6
7000	77	292.1	172.7	292.8	141.6	293.4	112.9	-	-	-	-	-	-	276.3	166.1	277.0	136.8	277.6	107.2	-	-	-	-	-	-
	72	268.2	199.7	268.7	171.3	269.3	142.8	269.8	111.7	-	-	-	-	253.3	193.3	254.0	164.4	254.5	135.3	254.8	108.2	-	-	-	-
	67	245.6	226.8	246.6	199.2	247.0	171.0	247.2	140.3	247.0	111.7	-	-	231.6	231.6	232.9	192.4	233.3	163.7	233.3	134.8	233.4	105.9	-	-
	62	241.0	241.0	229.6	229.6	225.0	197.8	225.2	168.1	225.3	140.3	225.3	112.5	229.4	229.4	218.8	218.8	212.6	188.9	212.7	162.7	212.9	134.7	212.7	106.5
	57	238.8	238.8	227.5	227.5	216.6	216.6	205.4	205.4	205.4	166.2	205.3	139.1	227.3	227.3	216.7	216.7	205.9	205.9	195.3	195.3	194.0	160.5	193.9	131.6
7875	77	297.1	182.5	297.8	151.3	298.6	117.4	-	-	-	-	-	-	280.6	175.2	281.5	143.5	281.8	111.4	-	-	-	-	-	-
	72	273.1	213.8	273.7	183.0	274.5	149.8	274.8	118.5	-	-	-	-	257.8	206.5	258.7	175.6	259.3	144.2	259.4	112.5	-	-	-	-
	67	252.3	252.3	251.3	212.4	251.5	181.8	251.8	149.0	251.7	118.2	-	-	240.2	240.2	237.3	204.8	237.6	174.0	237.8	143.2	237.7	112.1	-	-
	62	250.1	250.1	238.4	238.4	229.3	209.8	230.0	178.6	229.9	148.6	229.9	116.7	237.9	237.9	226.9	226.9	217.0	200.4	217.1	172.5	217.2	140.7	216.8	110.6
	57	247.9	247.9	236.2	236.2	224.9	224.9	213.1	213.1	209.7	175.7	209.7	145.1	235.6	235.6	225.0	225.0	213.6	213.6	202.3	202.3	197.8	169.2	197.9	138.9
9000	77	302.0	195.6	303.1	159.6	303.6	125.8	-	-	-	-	-	-	285.1	190.0	286.3	153.9	287.0	119.7	-	-	-	-	-	-
	72	277.9	230.6	278.6	195.4	279.3	159.9	279.7	124.2	-	-	-	-	262.3	222.3	263.3	187.2	263.8	153.9	264.1	120.3	-	-	-	-
	67	262.4	262.4	255.8	227.7	256.5	193.5	256.7	158.7	256.6	123.8	-	-	249.6	249.6	241.3	218.9	241.9	186.9	242.2	152.3	242.5	117.7	-	-
	62	260.2	260.2	247.8	247.8	235.6	235.6	235.2	191.7	235.1	158.0	234.8	122.3	247.4	247.4	235.7	235.7	224.1	224.1	221.8	184.6	222.2	151.6	221.6	117.9
	57	257.9	257.9	245.6	245.6	233.5	233.5	221.4	221.4	214.6	187.7	214.2	155.3	245.2	245.2	233.7	233.7	222.1	222.1	210.3	210.3	202.4	180.5	202.2	148.6

Table 15: KS18 and KK18 cooling capacity performance 95°F to 105°F

Air on evap. coil		Temperature of air on condenser coil																							
		Return dry bulb temperature °F																							
		90		85		80		75		70		65		90		85		80		75		70		65	
CFM	WB °F	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH
		95 °F												105 °F											
4680	77	242.5	130.3	243.1	108.3	243.5	88.3	-	-	-	-	-	-	227.2	122.2	227.8	103.7	227.9	82.9	-	-	-	-	-	-
	72	221.6	149.7	222.0	129.6	222.3	109.4	222.5	89.2	-	-	-	-	207.4	142.1	207.8	123.4	208.2	102.7	208.5	83.8	-	-	-	-
	67	202.4	168.3	202.5	148.0	202.7	127.8	202.8	109.3	202.9	89.0	-	-	189.4	160.9	189.7	140.5	189.9	121.6	189.9	102.5	190.0	83.5	-	-
	62	188.8	188.8	183.9	166.4	184.3	146.6	184.3	126.5	184.4	108.0	184.3	87.9	178.6	178.6	172.2	158.9	172.7	140.5	172.8	120.2	172.8	101.4	172.7	82.5
	57	187.0	187.0	178.2	178.2	169.6	169.6	167.3	145.3	167.3	125.5	167.1	105.7	176.8	176.8	168.5	168.5	160.1	160.1	156.5	137.3	156.6	119.0	156.4	100.5
5250	77	247.9	135.9	248.6	113.6	249.0	91.0	-	-	-	-	-	-	232.0	129.5	232.8	108.7	233.1	87.6	-	-	-	-	-	-
	72	226.9	157.7	227.2	135.2	227.4	114.6	227.7	91.9	-	-	-	-	212.1	151.4	212.6	130.5	212.9	107.4	213.2	86.3	-	-	-	-
	67	206.8	177.7	207.3	157.4	207.7	135.1	207.9	114.5	207.9	91.8	-	-	193.5	171.5	193.9	150.8	194.2	128.2	194.4	107.2	194.5	86.1	-	-
	62	197.2	197.2	188.4	175.6	189.2	155.8	189.3	133.6	189.2	113.0	189.0	90.6	186.3	186.3	177.5	177.5	177.1	149.1	177.2	128.4	177.1	105.9	176.9	85.1
	57	195.3	195.3	186.1	186.1	176.9	176.9	171.8	154.0	171.9	132.4	171.8	110.6	184.4	184.4	175.8	175.8	167.0	167.0	160.3	146.5	160.8	126.8	160.8	105.1
6125	77	254.4	147.4	255.1	122.5	255.5	97.2	-	-	-	-	-	-	237.7	140.2	238.4	116.9	239.0	91.3	-	-	-	-	-	-
	72	233.6	171.4	234.0	146.5	234.2	121.3	234.4	96.0	-	-	-	-	218.1	164.1	218.6	141.0	218.8	115.6	219.3	90.2	-	-	-	-
	67	213.1	194.8	213.6	170.4	213.8	145.6	214.3	120.9	214.0	95.8	-	-	198.5	198.5	199.6	162.9	199.8	139.8	200.0	114.9	200.0	89.9	-	-
	62	208.2	208.2	198.4	198.4	194.8	169.4	195.1	145.3	195.2	121.0	195.0	94.7	196.4	196.4	187.1	187.1	182.1	161.7	182.4	137.6	182.4	113.3	182.2	90.4
	57	206.2	206.2	196.6	196.6	186.7	186.7	177.0	177.0	177.7	143.6	177.5	118.2	194.5	194.5	185.3	185.3	176.0	176.0	166.9	166.9	166.1	135.7	165.9	112.1
7000	77	259.8	158.8	260.5	129.0	261.0	101.3	-	-	-	-	-	-	242.5	150.7	243.3	123.1	244.2	95.3	-	-	-	-	-	-
	72	238.1	186.0	238.6	156.8	239.1	129.5	239.4	102.1	-	-	-	-	222.3	177.8	222.9	150.7	223.3	123.3	223.7	95.9	-	-	-	-
	67	219.5	219.5	218.6	184.5	219.1	155.9	219.3	129.0	219.2	101.9	-	-	207.0	207.0	204.4	176.2	204.6	149.4	204.9	122.6	204.7	95.6	-	-
	62	217.4	217.4	207.2	207.2	199.4	180.7	199.8	154.8	200.0	126.8	199.8	100.5	205.0	205.0	195.3	195.3	186.1	173.5	186.6	148.0	186.6	120.3	186.6	94.3
	57	215.4	215.4	205.2	205.2	195.1	195.1	184.8	184.8	182.1	152.4	182.1	125.4	203.1	203.1	193.4	193.4	183.7	183.7	174.1	174.1	170.1	145.3	169.9	118.7
7875	77	263.7	169.6	264.8	137.8	265.3	107.8	-	-	-	-	-	-	246.6	161.2	247.1	131.3	248.1	101.5	-	-	-	-	-	-
	72	242.3	198.5	243.2	167.4	243.4	137.9	243.9	106.3	-	-	-	-	226.0	189.2	227.1	160.6	227.1	131.1	227.7	99.9	-	-	-	-
	67	227.5	227.5	222.7	196.1	223.0	165.5	223.2	136.7	223.2	105.8	-	-	214.4	214.4	207.6	188.2	208.2	158.4	208.5	130.0	208.3	99.4	-	-
	62	225.4	225.4	214.8	214.8	204.1	204.1	204.1	164.1	204.1	134.3	203.7	104.4	212.4	212.4	202.3	202.3	192.1	192.1	190.4	156.5	190.5	127.4	190.1	99.6
	57	223.3	223.3	212.8	212.8	202.2	202.2	191.4	191.4	185.7	162.1	185.8	132.3	210.4	210.4	200.4	200.4	190.2	190.2	180.3	180.3	173.6	154.6	173.5	126.7
9000	77	268.1	181.4	269.1	147.6	269.8	113.4	-	-	-	-	-	-	250.2	174.0	251.4	140.7	252.1	109.0	-	-	-	-	-	-
	72	246.4	213.1	247.3	180.5	247.8	147.2	248.1	113.8	-	-	-	-	229.5	204.4	230.8	172.7	231.3	140.0	231.6	107.1	-	-	-	-
	67	236.4	236.4	226.7	209.5	227.2	177.7	227.5	145.5	227.4	113.0	-	-	222.7	222.7	212.1	212.1	212.1	169.7	212.6	138.3	212.2	106.3	-	-
	62	234.3	234.3	223.1	223.1	212.0	212.0	208.6	175.6	208.6	144.4	208.0	111.4	220.7	220.7	210.2	210.2	199.5	199.5	194.7	168.9	194.6	136.9	194.1	104.7
	57	232.2	232.2	221.2	221.2	210.1	210.1	199.0	199.0	190.0	172.6	189.8	141.4	218.7	218.7	208.3	208.3	197.9	197.9	187.3	187.3	177.4	165.5	177.4	134.0

Table 16: KS18 and KK18 cooling capacity performance 115°F to 125°F

Air on evap. coil		Temperature of air on condenser coil																					
		Return dry bulb temperature °F																					
		90		85		80		75		70		65		90		85		80		75		70		65	
CFM	WB °F	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH
		115 °F												125 °F											
4680	77	211.2	115.7	211.8	96.6	212.1	77.4	-	-	-	-	-	-	194.8	110.4	195.4	91.2	196.0	73.5	-	-	-	-	-	-
	72	192.8	135.7	193.1	116.6	193.6	97.4	193.9	78.1	-	-	-	-	177.7	128.4	178.2	109.3	178.6	91.7	179.0	72.3	-	-	-	-
	67	175.6	152.5	176.3	133.8	176.4	114.7	176.6	97.1	176.7	77.9	-	-	161.4	144.6	162.5	127.9	162.8	108.9	162.9	91.3	163.0	72.1	-	-
	62	167.8	167.8	159.9	159.9	160.5	133.6	160.7	114.8	160.7	95.9	160.6	76.9	156.7	156.7	149.2	149.2	147.9	125.8	148.1	107.3	148.2	89.9	148.0	71.1
	57	166.2	166.2	158.4	158.4	150.5	150.5	145.3	131.5	145.6	113.4	145.5	94.9	155.1	155.1	147.7	147.7	140.3	140.3	133.8	123.5	134.2	105.8	134.2	88.9
5250	77	215.5	122.5	216.1	103.1	217.0	81.8	-	-	-	-	-	-	198.4	116.6	199.1	95.3	199.8	75.7	-	-	-	-	-	-
	72	197.1	144.4	197.5	123.2	197.8	101.9	198.2	80.5	-	-	-	-	181.4	136.3	182.0	115.3	182.9	96.1	182.7	74.5	-	-	-	-
	67	179.1	163.7	179.9	143.3	180.4	122.5	180.7	101.5	180.7	80.3	-	-	164.7	164.7	165.7	135.1	166.1	115.9	166.5	95.3	166.6	74.3	-	-
	62	174.9	174.9	166.6	166.6	164.3	141.3	164.5	120.8	164.4	100.0	164.3	79.2	163.0	163.0	155.3	155.3	151.0	134.0	151.5	114.1	151.6	93.7	151.4	74.7
	57	173.1	173.1	164.9	164.9	156.7	156.7	149.3	139.2	149.4	119.2	149.3	99.1	161.4	161.4	153.6	153.6	146.0	146.0	138.3	138.3	137.6	112.3	137.6	92.7
6125	77	220.7	134.4	220.8	108.6	221.9	85.2	-	-	-	-	-	-	203.1	125.7	204.1	102.6	204.7	79.0	-	-	-	-	-	-
	72	202.2	157.8	202.9	132.8	203.3	109.5	203.5	85.9	-	-	-	-	186.0	148.5	186.7	125.8	187.1	102.8	187.5	79.6	-	-	-	-
	67	186.0	186.0	185.0	156.0	185.4	131.6	185.6	108.6	185.7	85.5	-	-	173.3	173.3	170.3	148.2	170.8	124.4	170.9	101.8	170.9	79.1	-	-
	62	184.2	184.2	175.5	175.5	168.7	154.3	169.1	130.7	169.3	106.8	168.9	84.2	171.5	171.5	163.2	163.2	155.0	155.0	155.4	123.0	155.8	101.3	155.6	78.0
	57	182.4	182.4	173.7	173.7	164.9	164.9	156.1	156.1	154.1	128.8	154.0	105.7	169.8	169.8	161.6	161.6	153.4	153.4	145.3	145.3	141.6	122.1	141.7	99.9
7000	77	224.9	144.0	225.6	116.6	226.3	90.9	-	-	-	-	-	-	206.6	136.4	207.6	109.6	208.3	84.3	-	-	-	-	-	-
	72	206.1	168.6	206.6	143.6	207.2	116.7	207.5	89.5	-	-	-	-	189.3	159.9	190.1	135.7	190.6	109.5	190.9	84.6	-	-	-	-
	67	194.0	194.0	189.0	167.9	189.7	142.1	190.0	115.8	189.9	89.2	-	-	180.5	180.5	173.6	158.8	174.5	133.9	174.8	108.4	174.8	84.2	-	-
	62	191.9	191.9	182.9	182.9	173.6	173.6	173.1	140.4	173.0	114.9	172.8	87.7	178.8	178.8	170.1	170.1	161.5	161.5	159.2	132.0	159.2	107.3	158.9	82.6
	57	190.3	190.3	181.1	181.1	171.9	171.9	162.9	162.9	157.6	137.4	157.7	113.1	177.0	177.0	168.5	168.5	159.9	159.9	151.3	151.3	144.6	131.2	144.9	105.5
7875	77	228.4	153.6	229.3	124.4	229.9	94.8	-	-	-	-	-	-	209.9	145.2	211.0	116.9	211.9	90.0	-	-	-	-	-	-
	72	209.4	180.8	210.3	152.7	210.8	124.1	211.2	95.2	-	-	-	-	191.8	172.3	193.4	144.1	194.2	116.5	194.5	88.4	-	-	-	-
	67	200.8	200.8	192.2	179.2	193.2	150.5	193.3	122.6	193.2	94.5	-	-	186.7	186.7	177.8	177.8	177.8	143.3	177.7	116.2	177.8	87.7	-	-
	62	199.0	199.0	189.2	189.2	179.8	179.8	176.5	149.7	176.6	121.5	176.3	93.0	185.1	185.1	176.1	176.1	167.0	167.0	162.3	141.9	162.6	113.6	162.1	87.5
	57	197.1	197.1	187.7	187.7	178.1	178.1	168.6	168.6	160.8	147.3	160.8	119.1	183.2	183.2	174.4	174.4	165.5	165.5	156.6	156.6	147.6	147.6	147.9	112.4
9000	77	232.0	165.7	233.0	133.2	234.0	102.2	-	-	-	-	-	-	213.0	158.0	214.5	127.0	215.4	95.2	-	-	-	-	-	-
	72	212.6	194.8	213.9	163.9	214.6	132.4	214.7	102.1	-	-	-	-	195.7	195.7	196.6	155.9	197.4	125.7	197.9	95.1	-	-	-	-
	67	208.5	208.5	198.4	198.4	196.6	162.4	196.7	131.8	196.8	101.1	-	-	193.9	193.9	184.5	184.5	181.1	154.2	181.3	123.6	181.2	94.1	-	-
	62	206.6	206.6	196.6	196.6	186.7	186.7	180.2	160.8	180.5	130.4	180.0	99.4	192.1	192.1	182.8	182.8	173.5	173.5	165.4	151.7	166.2	123.2	165.6	93.6
	57	204.8	204.8	194.9	194.9	184.9	184.9	175.1	175.1	165.3	165.3	164.5	127.2	190.3	190.3	181.2	181.2	171.9	171.9	162.6	162.6	153.4	153.4	151.2	119.8

BHC Residential & Light Commercial LLC

KS20 and KK20 cooling capacity performance

Table 17: KS20 and KK20 cooling capacity performance 75°F to 85°F

Air on evap. coil		Temperature of air on condenser coil																					
		Return dry bulb temperature °F																					
CFM	WB °F	90		85		80		75		70		65		90		85		80		75		70		65	
		TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH
		75 °F												85 °F									
5200	77	310.4	163.0	311.2	140.0	311.7	113.8	-	-	-	-	-	-	293.4	157.0	294.2	132.5	294.9	107.9	-	-	-	-	-	-
	72	284.2	186.8	284.9	163.2	285.5	139.4	285.8	115.4	-	-	-	-	268.6	179.2	269.4	157.0	270.1	132.0	270.6	109.4	-	-	-	-
	67	259.8	210.0	260.7	186.2	260.9	161.9	261.2	140.0	261.3	115.5	-	-	245.4	200.7	246.0	178.1	246.4	155.3	246.7	132.3	247.0	109.4	-	-
	62	237.9	237.9	236.7	209.1	237.4	185.2	237.7	161.0	238.0	138.9	238.3	114.5	226.7	226.7	223.1	199.2	224.2	177.1	224.5	154.3	224.9	131.4	225.1	108.4
	57	235.5	235.5	225.4	225.4	217.0	203.9	216.1	182.8	216.4	160.9	216.5	136.7	224.4	224.4	214.3	214.3	205.1	194.6	203.8	176.2	204.2	153.8	204.3	131.0
6000	77	319.6	174.8	320.5	148.3	321.3	118.7	-	-	-	-	-	-	301.8	168.0	303.1	140.5	304.2	112.6	-	-	-	-	-	-
	72	293.0	201.5	293.9	174.7	294.9	147.8	295.4	120.5	-	-	-	-	276.8	193.0	277.6	167.8	278.3	139.7	279.0	114.1	-	-	-	-
	67	268.0	226.9	268.8	200.0	269.0	175.2	269.8	148.1	270.1	120.6	-	-	253.0	218.9	253.9	193.7	254.5	165.9	254.6	139.9	255.3	114.2	-	-
	62	251.3	251.3	244.9	225.6	245.7	198.9	246.0	174.1	246.4	146.9	246.7	119.7	239.1	239.1	232.0	215.9	231.9	192.2	232.6	164.7	232.9	139.0	233.0	113.3
	57	248.9	248.9	238.0	238.0	227.0	227.0	223.8	197.9	224.5	171.5	224.6	144.6	236.8	236.8	226.3	226.3	215.7	215.7	211.0	188.6	211.7	163.8	211.8	138.4
7000	77	328.4	187.1	329.0	157.0	330.8	127.2	-	-	-	-	-	-	309.6	179.5	311.1	148.8	312.5	120.6	-	-	-	-	-	-
	72	301.8	219.6	302.7	186.7	303.7	156.6	304.4	126.0	-	-	-	-	284.9	210.1	285.7	179.1	286.7	150.7	287.3	119.3	-	-	-	-
	67	275.6	248.9	277.2	217.2	277.9	187.1	277.9	156.5	278.8	126.2	-	-	260.1	237.3	261.6	209.9	262.3	179.2	262.8	150.7	263.6	119.7	-	-
	62	265.8	265.8	255.0	241.9	253.7	217.6	253.9	185.2	254.6	155.4	255.0	125.3	252.4	252.4	241.2	241.2	239.0	207.2	239.8	177.2	240.4	149.1	240.7	118.6
	57	263.0	263.0	251.3	251.3	239.5	239.5	231.6	213.5	232.4	184.6	232.5	155.0	249.9	249.9	238.7	238.7	227.3	227.3	218.8	203.7	218.9	176.0	219.1	148.2
8000	77	335.2	201.7	336.5	165.6	338.0	132.3	-	-	-	-	-	-	316.2	193.5	317.6	159.6	319.2	125.4	-	-	-	-	-	-
	72	308.2	233.6	309.5	200.8	310.4	167.5	311.4	131.1	-	-	-	-	290.6	225.7	291.7	192.2	292.9	158.4	293.8	126.8	-	-	-	-
	67	284.2	264.5	283.9	233.4	284.6	200.5	285.1	167.2	285.7	131.4	-	-	268.3	252.2	267.8	225.1	268.6	191.9	269.3	158.3	270.2	124.7	-	-
	62	277.8	277.8	265.2	265.2	259.7	232.4	260.7	198.1	261.0	165.4	261.3	132.6	263.5	263.5	251.9	251.9	244.3	223.2	245.7	191.3	246.2	158.6	246.5	125.5
	57	274.9	274.9	262.7	262.7	250.2	250.2	239.1	226.9	238.2	196.2	238.4	164.4	260.9	260.9	249.3	249.3	237.6	237.6	225.5	225.5	224.5	189.1	224.6	155.1
9000	77	339.8	212.2	342.0	176.6	343.7	137.1	-	-	-	-	-	-	321.2	206.7	323.0	167.3	324.5	130.1	-	-	-	-	-	-
	72	313.5	249.8	314.9	214.2	316.1	175.2	316.9	138.7	-	-	-	-	295.3	240.8	297.0	205.0	298.7	168.7	299.1	131.5	-	-	-	-
	67	290.5	290.5	288.8	248.4	290.1	213.3	291.0	175.0	291.4	138.8	-	-	275.7	275.7	272.3	239.2	273.5	203.8	274.2	167.7	275.1	131.6	-	-
	62	287.8	287.8	274.9	274.9	265.8	245.2	265.9	210.0	266.6	175.1	266.8	137.5	273.0	273.0	261.0	261.0	251.0	233.8	250.6	202.5	251.2	165.4	251.5	130.1
	57	285.0	285.0	272.3	272.3	259.6	259.6	246.4	246.4	243.1	207.3	243.6	171.3	270.6	270.6	258.4	258.4	246.3	246.3	233.8	233.8	228.9	199.3	229.4	163.6
10000	77	344.9	226.3	346.8	184.3	348.9	145.0	-	-	-	-	-	-	325.2	216.7	327.1	177.4	328.9	137.6	-	-	-	-	-	-
	72	317.9	265.3	319.7	224.5	320.7	185.5	321.4	143.3	-	-	-	-	298.7	254.7	301.1	217.1	302.2	175.4	304.1	136.3	-	-	-	-
	67	299.4	299.4	292.7	262.5	294.5	222.8	295.1	184.4	296.0	143.4	-	-	284.1	284.1	276.3	252.7	277.4	215.0	278.3	176.9	279.5	136.2	-	-
	62	296.7	296.7	283.2	283.2	271.3	257.6	270.4	221.5	271.2	182.0	271.4	142.0	281.5	281.5	268.9	268.9	256.1	256.1	254.8	213.3	256.0	174.4	255.7	136.7
	57	293.8	293.8	280.6	280.6	267.4	267.4	253.8	253.8	246.9	219.6	247.7	179.7	278.6	278.6	266.2	266.2	253.7	253.7	241.0	241.0	232.6	210.9	233.4	171.7

Table 18: KS20 and KK20 cooling capacity performance 95°F to 105°F

Air on evap. coil		Temperature of air on condenser coil																					
		Return dry bulb temperature °F																					
CFM	WB °F	90		85		80		75		70		65		90		85		80		75		70		65	
		TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH
		95 °F												105 °F									
5200	77	275.7	147.7	276.9	124.9	277.5	101.7	-	-	-	-	-	-	257.5	140.5	258.6	119.2	259.3	95.2	-	-	-	-	-	-
	72	252.1	170.6	253.2	147.6	253.9	126.6	254.3	103.0	-	-	-	-	235.7	164.0	236.3	140.1	237.1	118.4	237.9	96.6	-	-	-	-
	67	230.6	192.9	231.5	169.8	231.8	148.4	232.3	124.8	232.7	103.2	-	-	215.0	183.9	215.9	162.5	216.6	140.8	217.2	118.8	217.5	96.7	-	-
	62	214.9	214.9	209.9	191.3	210.9	168.6	211.3	147.2	211.6	125.7	211.8	102.1	202.6	202.6	196.9	181.3	197.4	161.5	197.8	139.7	198.1	117.8	198.1	95.7
	57	212.7	212.7	203.0	203.0	193.4	193.4	191.4	167.3	191.8	146.3	191.9	123.2	200.4	200.4	191.6	191.6	182.6	182.6	179.0	159.9	179.5	138.6	179.6	117.0
6000	77	283.5	158.1	284.7	132.2	285.5	106.0	-	-	-	-	-	-	264.3	152.5	265.6	126.1	267.4	102.0	-	-	-	-	-	-
	72	260.0	183.9	260.6	160.1	261.4	133.9	262.2	107.4	-	-	-	-	242.4	176.1	243.1	151.8	244.0	125.2	245.0	100.7	-	-	-	-
	67	237.4	209.8	238.1	184.0	239.2	158.0	239.6	134.1	240.2	107.7	-	-	220.7	199.3	222.3	176.0	222.9	149.7	223.6	125.4	224.4	100.9	-	-
	62	226.5	226.5	218.5	205.3	217.6	182.4	218.4	156.8	218.7	132.8	218.8	106.6	213.2	213.2	203.8	203.8	203.1	174.0	204.1	150.5	204.5	124.4	204.5	99.8
	57	224.1	224.1	214.2	214.2	204.0	204.0	197.9	180.5	198.8	155.7	198.9	130.2	211.1	211.1	201.7	201.7	192.2	192.2	185.4	170.8	185.6	148.9	185.8	123.5
7000	77	290.6	171.4	292.0	142.7	293.3	113.6	-	-	-	-	-	-	270.7	165.0	272.6	136.1	273.8	106.5	-	-	-	-	-	-
	72	267.3	202.2	267.9	173.1	269.1	141.8	270.1	112.5	-	-	-	-	248.9	193.0	250.2	164.2	250.8	134.8	252.1	107.8	-	-	-	-
	67	244.9	225.7	245.2	199.1	246.1	170.4	246.8	141.7	247.5	112.7	-	-	229.0	215.2	228.2	191.7	229.1	163.2	230.1	134.6	231.0	105.6	-	-
	62	238.9	238.9	228.2	228.2	224.3	198.6	225.0	170.5	225.6	142.3	226.0	111.7	224.6	224.6	214.6	214.6	209.3	189.1	209.9	161.2	210.6	133.1	211.0	106.6
	57	236.3	236.3	225.8	225.8	215.1	215.1	206.1	193.7	205.6	169.1	205.5	139.3	222.4	222.4	212.4	212.4	202.4	202.4	192.2	192.2	191.7	159.5	192.1	132.1
8000	77	296.4	184.4	298.1	153.0	299.4	118.2	-	-	-	-	-	-	276.1	177.1	277.8	143.0	279.3	110.9	-	-	-	-	-	-
	72	272.3	216.6	273.5	183.0	274.6	151.4	275.8	119.6	-	-	-	-	253.4	206.3	254.8	175.3	256.0	143.9	257.4	112.2	-	-	-	-
	67	251.6	251.6	250.6	215.3	251.7	182.3	252.8	151.3	253.4	119.7	-	-	236.4	236.4	232.9	206.5	234.6	174.4	235.6	143.5	236.3	112.2	-	-
	62	249.1	249.1	237.9	237.9	230.0	212.2	230.7	181.9	231.0	149.1	231.4	118.3	234.1	234.1	223.6	223.6	215.0	200.2	214.9	173.4	215.6	141.4	215.9	110.9
	57	246.7	246.7	235.7	235.7	224.4	224.4	213.2	213.2	210.5	179.3	210.9	147.8	231.7	231.7	221.4	221.4	210.9	210.9	200.4	200.4	196.1	170.6	196.5	139.7
9000	77	301.1	197.0	303.0	160.2	305.6	125.9	-	-	-	-	-	-	280.3	188.8	282.2	152.3	284.1	117.9	-	-	-	-	-	-
	72	276.4	230.5	278.5	195.0	279.3	160.8	280.8	124.2	-	-	-	-	256.8	221.1	259.0	186.4	260.5	152.9	261.8	116.5	-	-	-	-
	67	260.5	260.5	254.8	228.4	256.2	195.7	257.3	160.1	258.0	124.1	-	-	244.6	244.6	237.7	217.3	238.6	184.6	239.7	151.8	240.5	116.4	-	-
	62	257.9	257.9	246.4	246.4	235.8	223.9	235.2	192.4	235.7	157.6	235.9	122.6	242.2	242.2	231.5	231.5	220.4	220.4	218.9	183.1	219.8	149.4	220.1	117.0
	57	255.4	255.4	244.0	244.0	232.5	232.5	220.7	220.7	214.4	190.6	215.0	155.6	239.8	239.8	229.1	229.1	218.3	218.3	207.4	207.4	200.1	181.4	200.5	148.9
10000	77	304.8	208.9	306.8	169.8	308.8	130.1	-	-	-	-	-	-	283.7	199.9	285.8	161.4	288.4	122.4	-	-	-	-	-	-
	72	279.8	246.1	282.2	206.4	283.3	167.5	285.1	131.1	-	-	-	-	259.9	233.3	262.6	197.0	264.2	161.5	265.7	123.2	-	-	-	-
	67	268.1	268.1	259.4	239.6	259.8	206.2	261.1	168.8	261.9	130.7	-	-	251.8	251.8	242.0	227.7	241.7	196.3	243.7	160.2	244.1	122.7	-	-
	62	265.6	265.6	253.8	253.8	241.7	241.7	239.0	204.4	240.1	166.2	239.9	129.0	249.3	249.3	238.4	238.4	227.0	227.0	222.0	193.9	223.5	157.1	223.9	121.2
	57	263.2	263.2	251.3	251.3	239.5	239.5	227.4	227.4	218.3	199.9	218.9	163.3	247.0	247.0	236.0	236.0	224.8	224.8	213.5	213.5	203.9	190.3	204.0	156.0

BHC Residential & Light Commercial LLC

Table 19: KS20 and KK20 cooling capacity performance 115°F to 125°F

Air on evap. coil		Temperature of air on condenser coil																							
		Return dry bulb temperature °F																							
CFM	WB °F	90		85		80		75		70		65		90		85		80		75		70		65	
		TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH
		115 °F												125 °F											
5200	77	238.4	132.5	239.7	110.7	240.6	88.6	-	-	-	-	-	-	219.0	125.9	220.4	104.1	221.5	83.9	-	-	-	-	-	-
	72	218.2	154.0	218.9	132.0	219.8	112.0	220.9	89.9	-	-	-	-	200.3	145.3	201.2	125.3	202.3	103.3	203.2	82.9	-	-	-	-
	67	199.0	175.8	200.1	154.4	200.9	132.5	201.5	110.4	202.0	90.0	-	-	182.7	166.5	183.8	145.4	184.7	125.4	185.3	103.5	185.9	83.0	-	-
	62	189.7	189.7	183.1	172.0	182.7	153.0	183.4	131.4	183.8	111.2	184.0	89.0	176.4	176.4	168.6	168.6	167.9	145.3	168.5	124.0	169.2	104.1	169.5	82.3
	57	187.7	187.7	179.4	179.4	171.2	171.2	165.9	151.2	166.7	130.3	166.7	108.7	174.5	174.5	166.7	166.7	159.0	159.0	153.3	142.6	153.5	123.0	153.7	101.8
6000	77	244.5	143.6	245.9	119.3	248.5	95.1	-	-	-	-	-	-	224.2	136.1	225.6	111.9	227.5	87.5	-	-	-	-	-	-
	72	224.0	167.0	224.9	142.7	226.0	118.3	227.0	93.6	-	-	-	-	205.3	158.9	206.5	135.0	207.6	110.9	208.9	86.5	-	-	-	-
	67	205.0	188.9	205.6	166.7	206.4	142.6	207.2	118.3	208.8	94.2	-	-	188.8	177.4	188.3	157.9	189.6	134.7	190.2	110.6	191.3	86.6	-	-
	62	199.6	199.6	190.6	190.6	187.8	166.2	189.1	141.2	189.5	117.2	189.8	92.9	185.3	185.3	177.0	177.0	172.4	157.3	173.6	133.0	174.1	109.5	174.7	87.5
	57	197.5	197.5	188.7	188.7	179.8	179.8	172.5	162.1	172.1	139.7	172.4	116.3	183.3	183.3	175.1	175.1	166.9	166.9	158.7	158.7	157.9	132.6	158.6	108.7
7000	77	250.2	155.1	251.8	128.4	253.7	99.1	-	-	-	-	-	-	229.3	146.6	230.9	120.3	233.8	91.9	-	-	-	-	-	-
	72	229.7	182.5	230.9	156.1	232.2	127.3	233.5	100.3	-	-	-	-	211.1	173.6	211.6	147.1	213.0	119.1	214.2	92.5	-	-	-	-
	67	212.0	212.0	211.0	181.1	212.1	155.1	213.1	126.9	214.7	100.5	-	-	196.5	196.5	192.7	172.5	194.5	146.0	195.6	118.6	196.4	92.5	-	-
	62	209.9	209.9	200.4	200.4	193.8	178.7	194.4	152.9	195.0	125.3	195.4	99.1	194.5	194.5	185.8	185.8	178.9	168.2	178.3	143.7	178.9	118.5	179.6	91.5
	57	207.6	207.6	198.2	198.2	189.0	189.0	179.7	179.7	177.4	152.5	178.2	124.4	192.5	192.5	183.8	183.8	175.2	175.2	166.5	166.5	162.5	142.7	163.5	117.3
8000	77	254.9	166.3	256.8	135.1	259.0	105.8	-	-	-	-	-	-	233.3	158.9	235.5	128.7	237.8	97.9	-	-	-	-	-	-
	72	233.4	196.5	235.3	166.5	236.8	135.7	238.3	104.5	-	-	-	-	213.4	187.4	215.4	156.6	217.1	126.9	219.1	98.7	-	-	-	-
	67	220.8	220.8	215.1	194.7	217.0	165.5	217.9	135.1	218.8	104.5	-	-	204.5	204.5	197.7	184.2	198.3	156.7	199.9	126.2	201.0	98.4	-	-
	62	218.5	218.5	208.7	208.7	198.8	198.8	198.6	164.0	199.4	134.6	200.0	103.2	202.3	202.3	193.4	193.4	184.3	184.3	182.0	155.2	182.9	125.5	183.6	97.0
	57	216.2	216.2	206.4	206.4	196.8	196.8	187.1	187.1	181.6	162.8	182.2	133.0	200.3	200.3	191.4	191.4	182.3	182.3	173.2	173.2	166.6	152.4	167.2	123.8
9000	77	258.9	179.4	260.8	143.8	263.3	110.1	-	-	-	-	-	-	236.5	168.6	239.3	136.9	241.8	104.2	-	-	-	-	-	-
	72	236.8	210.3	239.2	176.7	240.7	144.0	242.9	111.1	-	-	-	-	216.9	198.4	218.8	167.7	221.9	135.3	222.8	102.7	-	-	-	-
	67	228.2	228.2	220.2	205.2	220.7	176.8	221.8	142.9	222.7	110.5	-	-	211.4	211.4	201.9	201.9	202.1	167.5	203.5	135.2	204.6	102.3	-	-
	62	226.0	226.0	215.9	215.9	205.6	205.6	201.9	174.3	203.3	142.1	203.7	109.0	209.2	209.2	199.8	199.8	190.4	190.4	185.2	164.8	186.6	134.1	187.2	102.5
	57	223.6	223.6	213.7	213.7	203.7	203.7	193.6	193.6	185.4	171.3	185.8	139.9	207.0	207.0	197.8	197.8	188.4	188.4	179.1	179.1	170.6	160.5	0.0	0.0
10000	77	262.2	189.9	264.1	152.3	266.6	116.6	-	-	-	-	-	-	239.4	180.1	242.3	144.8	244.8	108.3	-	-	-	-	-	-
	72	240.7	222.3	242.3	188.4	244.4	152.2	245.9	115.0	-	-	-	-	220.2	209.2	221.9	178.7	224.0	144.1	225.9	108.7	-	-	-	-
	67	234.8	234.8	224.4	224.4	223.3	187.4	224.9	150.4	226.0	114.5	-	-	217.2	217.2	207.5	207.5	204.2	176.7	206.3	142.1	207.5	107.9	-	-
	62	232.6	232.6	222.2	222.2	211.6	211.6	205.4	184.7	206.7	149.4	207.1	114.7	215.3	215.3	205.5	205.5	195.8	195.8	188.5	174.3	190.0	141.0	190.3	106.3
	57	230.3	230.3	219.9	219.9	209.4	209.4	199.1	199.1	189.2	179.7	188.9	148.0	213.0	213.0	203.5	203.5	193.9	193.9	184.3	184.3	174.5	174.5	173.5	139.2

KS25 and KK25 cooling capacity performance

Table 20: KS25 and KK25 cooling capacity performance 75°F to 85°F

Air on evap. coil		Temperature of air on condenser coil																					
		Return dry bulb temp °F																					
CFM	WB °F	90		85		80		75		70		65		90		85		80		75		70		65	
		TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH
		75 °F												85 °F									
6500	77	374.0	188.8	374.3	158.9	374.5	129.0	-	-	-	-	-	-	357.2	180.5	357.9	152.1	358.2	123.5	-	-	-	-	-	-
	72	344.7	217.1	345.2	189.8	345.5	159.2	345.9	131.7	-	-	-	-	329.4	210.5	329.9	181.5	330.1	155.2	330.5	126.0	-	-	-	-
	67	317.4	245.2	317.7	217.2	318.0	189.2	318.0	160.9	318.1	132.7	-	-	303.2	239.7	303.7	210.4	303.8	183.5	303.8	153.8	303.9	126.9	-	-
	62	295.3	295.3	291.7	246.1	291.9	217.8	291.6	189.1	291.5	160.6	291.2	132.1	284.4	284.4	278.6	237.5	279.0	210.7	278.9	183.5	278.8	153.8	278.7	126.5
	57	294.3	294.3	281.0	281.0	267.3	267.3	266.6	215.5	266.5	187.2	266.4	161.1	283.5	283.5	270.6	270.6	257.6	257.6	255.1	210.8	255.1	181.5	254.9	154.3
7500	77	384.0	199.5	384.5	169.4	385.0	135.8	-	-	-	-	-	-	366.6	193.9	367.2	162.1	367.7	130.0	-	-	-	-	-	-
	72	355.1	234.6	355.6	203.8	356.1	169.8	356.2	138.7	-	-	-	-	339.1	227.1	339.6	194.8	339.9	165.3	340.1	132.7	-	-	-	-
	67	327.1	264.9	327.5	233.8	327.7	202.4	327.8	171.0	327.9	139.6	-	-	312.3	258.4	312.6	228.7	312.9	196.2	312.9	163.5	312.9	133.5	-	-
	62	311.2	311.2	301.0	264.8	301.3	233.6	301.4	202.2	301.3	170.7	300.9	139.0	299.6	299.6	287.9	255.8	287.6	228.0	287.6	195.6	287.5	165.6	287.5	133.1
	57	310.2	310.2	296.4	296.4	282.0	282.0	275.9	233.2	275.9	202.1	275.6	170.8	298.6	298.6	285.0	285.0	271.4	271.4	263.7	225.1	263.7	195.5	263.5	163.5
8750	77	394.1	218.6	394.4	181.6	395.5	148.2	-	-	-	-	-	-	375.7	212.0	376.7	177.2	377.5	142.1	-	-	-	-	-	-
	72	364.5	255.6	365.1	218.7	365.8	184.8	366.1	147.5	-	-	-	-	347.9	247.1	348.4	211.9	348.9	176.7	348.9	141.1	-	-	-	-
	67	336.3	290.4	337.5	254.2	337.6	219.9	338.3	183.1	337.8	148.4	-	-	321.0	279.9	321.9	248.1	322.1	212.8	322.2	177.5	322.1	142.1	-	-
	62	328.1	328.1	313.3	313.3	310.7	255.2	310.7	218.6	310.6	184.5	310.7	147.9	315.5	315.5	301.1	301.1	296.1	245.8	296.2	211.1	296.4	176.3	296.2	141.5
	57	327.0	327.0	312.4	312.4	297.4	297.4	284.9	250.9	285.4	217.9	285.0	181.8	314.6	314.6	300.3	300.3	285.8	285.8	272.6	244.6	272.2	210.3	271.9	176.0
10000	77	401.7	237.0	402.3	197.3	403.5	157.6	-	-	-	-	-	-	383.1	229.8	384.1	189.1	384.6	151.1	-	-	-	-	-	-
	72	372.3	275.8	373.0	236.3	373.7	196.7	373.8	159.7	-	-	-	-	354.8	266.1	355.8	228.8	356.3	191.1	356.4	153.1	-	-	-	-
	67	345.2	309.8	345.2	273.2	345.3	236.5	345.7	197.1	345.2	157.3	-	-	329.8	329.8	329.0	265.8	329.1	228.4	329.2	191.0	329.2	153.5	-	-
	62	342.2	342.2	326.6	326.6	318.1	272.7	318.3	234.1	318.1	195.3	317.9	159.1	328.9	328.9	313.9	313.9	303.1	264.8	303.2	228.2	303.3	189.1	302.9	152.3
	57	341.4	341.4	325.5	325.5	310.2	310.2	294.3	294.3	291.8	231.6	292.1	194.3	328.0	328.0	312.9	312.9	297.8	297.8	282.5	282.5	278.7	225.8	278.7	188.0
11500	77	409.2	256.7	409.7	214.6	411.1	169.4	-	-	-	-	-	-	389.9	248.4	391.0	205.8	391.7	165.8	-	-	-	-	-	-
	72	379.5	296.0	380.5	254.7	381.1	213.1	381.2	171.1	-	-	-	-	361.7	288.0	362.4	246.1	362.9	206.7	363.2	164.3	-	-	-	-
	67	357.7	357.7	351.5	293.8	352.4	253.4	352.7	212.4	352.4	171.1	-	-	343.2	343.2	335.2	285.5	335.6	247.0	335.7	205.6	335.9	164.2	-	-
	62	356.7	356.7	340.2	340.2	325.8	290.1	325.8	252.6	325.6	212.4	325.4	169.9	342.4	342.4	326.7	326.7	310.8	310.8	310.4	243.3	310.4	203.2	309.8	162.8
	57	355.8	355.8	339.3	339.3	323.0	323.0	306.6	306.6	299.1	248.3	298.9	209.8	341.5	341.5	325.9	325.9	309.9	309.9	294.1	294.1	285.2	241.3	285.0	200.6

Table 21: KS25 and KK25 cooling capacity performance 95°F to 105°F

Air on evap. coil		Temperature of air on condenser coil																					
		Return dry bulb temp °F																					
CFM	WB °F	90		85		80		75		70		65		90		85		80		75		70		65	
		TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH
		95 °F												105 °F									
6500	77	339.6	174.7	340.1	147.7	340.4	117.6	-	-	-	-	-	-	320.7	168.0	321.1	139.6	321.6	111.3	-	-	-	-
	72	312.9	202.9	313.4	175.3	313.7	147.6	313.9	119.9	-	-	-	-	295.4	196.8	295.8	168.2	296.2	142.2	296.5	113.4	-	-
	67	288.2	230.4	288.5	205.1	288.7	177.0	288.8	148.9	288.8	120.8	-	-	272.1	222.3	272.5	196.1	272.7	169.7	272.9	140.9	273.0	114.3
	62	272.8	272.8	264.7	230.4	265.1	205.0	265.2	176.9	265.1	148.7	264.9	120.4	260.3	260.3	250.4	222.4	250.7	196.1	250.7	169.5	250.6	142.9
	57	271.9	271.9	259.5	259.5	247.0	247.0	242.7	202.6	242.9	175.0	242.6	146.9	259.4	259.4	247.5	247.5	235.5	235.5	229.3	195.5	229.6	169.5
7500	77	347.6	187.2	348.4	157.1	349.1	126.9	-	-	-	-	-	-	328.0	179.7	328.7	151.4	329.3	120.0	-	-	-	-
	72	321.5	221.1	322.3	187.9	322.7	157.2	322.8	126.3	-	-	-	-	303.6	211.6	304.1	182.8	304.4	151.2	304.8	119.6	-	-
	67	296.1	250.2	296.5	219.6	296.9	188.9	297.1	158.0	297.2	127.1	-	-	279.3	243.3	279.9	212.2	280.1	180.8	280.4	151.8	280.6	120.3
	62	287.0	287.0	273.8	273.8	272.8	218.8	273.2	188.3	273.2	157.5	272.9	126.6	273.7	273.7	260.9	260.9	257.5	211.0	257.6	182.2	257.9	151.2
	57	286.0	286.0	273.0	273.0	259.8	259.8	250.4	218.2	250.8	188.2	250.6	157.8	272.8	272.8	260.1	260.1	247.5	247.5	236.6	210.2	236.7	181.8
8750	77	356.2	204.4	357.4	168.6	357.9	135.3	-	-	-	-	-	-	335.8	196.0	336.5	162.2	337.9	128.4	-	-	-	-
	72	329.7	240.0	330.2	204.0	330.6	170.7	331.0	134.5	-	-	-	-	310.6	231.6	311.0	197.8	311.4	163.9	312.2	130.1	-	-
	67	305.2	271.3	305.2	240.5	305.4	204.7	305.9	171.5	305.6	135.3	-	-	288.5	288.5	287.4	231.4	288.2	198.3	288.2	164.4	288.3	130.7
	62	301.9	301.9	288.2	288.2	280.5	237.7	280.9	205.1	281.2	170.0	281.0	137.1	287.6	287.6	274.3	274.3	264.6	230.9	264.8	198.0	265.1	162.9
	57	301.1	301.1	287.2	287.2	273.3	273.3	259.3	259.3	258.2	203.9	258.0	169.5	286.8	286.8	273.4	273.4	259.9	259.9	246.7	246.7	243.6	196.5
10000	77	363.1	221.4	364.0	183.0	364.1	144.1	-	-	-	-	-	-	341.7	214.5	342.8	176.0	343.7	139.8	-	-	-	-
	72	336.6	258.2	337.1	220.1	337.7	184.6	338.0	146.1	-	-	-	-	316.6	250.8	317.4	212.9	318.0	177.2	318.5	138.7	-	-
	67	315.4	315.4	311.6	257.0	311.8	221.9	312.1	184.2	312.1	146.3	-	-	300.2	300.2	293.2	249.1	293.5	211.6	294.2	176.7	294.1	138.8
	62	314.5	314.5	300.1	300.1	287.5	255.8	287.6	219.0	287.6	182.2	287.1	145.1	299.1	299.1	285.3	285.3	271.4	271.4	271.2	211.2	270.9	174.4
	57	313.7	313.7	299.2	299.2	284.5	284.5	269.8	269.8	264.3	218.5	264.2	180.8	298.3	298.3	284.5	284.5	270.5	270.5	256.5	256.5	248.9	209.8
11500	77	369.3	239.0	370.4	199.0	371.1	158.6	-	-	-	-	-	-	347.5	231.1	348.6	191.2	349.6	150.9	-	-	-	-
	72	342.5	278.4	343.3	239.1	343.8	199.5	344.2	159.7	-	-	-	-	321.9	269.4	322.8	230.5	323.7	191.4	324.2	151.9	-	-
	67	328.2	328.2	317.5	277.8	317.9	236.9	318.2	198.2	318.2	156.9	-	-	312.0	312.0	299.2	266.5	299.4	230.5	299.9	190.0	299.6	151.4
	62	327.4	327.4	312.2	312.2	296.8	296.8	294.1	235.4	294.1	195.6	293.4	157.6	311.2	311.2	296.6	296.6	281.9	281.9	276.9	228.2	277.2	189.3
	57	326.5	326.5	311.4	311.4	296.1	296.1	280.6	280.6	270.5	233.0	270.1	194.7	310.3	310.3	295.9	295.9	281.3	281.3	266.7	266.7	254.5	223.1

Table 22: KS25 and KK25 cooling capacity performance 115°F to 125°F

Air on evap. coil		Temperature of air on condenser coil																					
		Return dry bulb temp °F																					
CFM	WB °F	90		85		80		75		70		65		90		85		80		75		70		65	
		TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH
		115 °F												125 °F									
6500	77	300.6	160.3	301.1	133.8	301.6	107.3	-	-	-	-	-	-	279.3	154.0	280.3	127.2	280.9	100.1	-	-	-	-	-	-
	72	277.1	187.2	277.5	160.4	277.9	133.6	278.3	106.6	-	-	-	-	257.9	181.1	258.2	153.9	259.0	126.9	259.3	99.6	-	-	-	-
	67	254.9	215.1	255.4	188.4	256.0	161.7	256.3	134.7	256.3	107.5	-	-	236.8	208.2	237.9	181.9	238.3	154.9	238.7	127.7	239.0	100.5	-	-
	62	247.0	247.0	235.6	235.6	235.7	188.5	235.5	161.4	235.4	134.3	235.3	107.2	233.0	233.0	222.2	222.2	219.0	181.0	219.5	154.3	219.5	127.3	219.3	100.2
	57	246.2	246.2	234.9	234.9	223.5	223.5	215.3	187.4	215.6	161.1	215.5	134.5	232.2	232.2	221.5	221.5	210.7	210.7	201.0	180.3	201.0	153.8	201.1	127.4
7500	77	306.9	173.8	307.7	142.1	308.4	112.9	-	-	-	-	-	-	285.0	166.6	286.2	135.0	286.7	105.4	-	-	-	-	-	-
	72	284.2	205.6	284.8	173.9	285.5	144.6	285.7	112.5	-	-	-	-	263.8	195.6	264.8	166.5	265.7	137.2	266.1	107.5	-	-	-	-
	67	262.2	233.0	262.0	203.3	262.9	174.5	262.9	144.9	263.1	113.2	-	-	244.9	244.9	243.8	195.6	244.3	166.6	244.7	137.3	244.7	107.8	-	-
	62	259.3	259.3	247.1	247.1	241.3	204.0	241.8	175.3	241.8	144.1	241.7	114.9	244.1	244.1	232.7	232.7	224.2	195.4	224.8	167.0	225.2	136.4	225.2	107.4
	57	258.3	258.3	246.5	246.5	234.4	234.4	222.5	222.5	222.1	174.5	221.9	144.0	243.4	243.4	232.1	232.1	220.7	220.7	209.3	209.3	206.8	166.1	206.7	136.1
8750	77	313.9	189.0	314.5	154.9	315.9	120.9	-	-	-	-	-	-	291.2	180.7	292.3	147.1	292.9	115.4	-	-	-	-	-	-
	72	290.4	224.1	291.0	190.4	291.7	156.6	292.4	122.6	-	-	-	-	269.2	214.7	270.2	181.7	271.0	148.3	271.8	114.8	-	-	-	-
	67	273.0	273.0	268.6	223.2	269.7	190.4	270.1	156.9	270.1	123.1	-	-	256.9	256.9	249.5	213.6	250.5	181.3	251.1	148.5	251.2	115.2	-	-
	62	272.0	272.0	259.4	259.4	248.3	220.8	248.2	189.9	248.3	155.1	248.0	122.1	255.8	255.8	243.8	243.8	231.8	231.8	230.7	180.5	230.9	148.5	230.9	114.4
	57	271.3	271.3	258.7	258.7	246.1	246.1	233.3	233.3	228.0	187.8	228.2	154.3	255.0	255.0	243.2	243.2	231.2	231.2	219.2	219.2	211.9	179.9	212.2	147.3
10000	77	319.3	206.4	319.5	167.6	321.5	132.0	-	-	-	-	-	-	296.0	196.8	297.6	161.9	298.7	123.9	-	-	-	-	-	-
	72	295.5	241.5	296.8	204.4	297.6	169.0	298.2	133.3	-	-	-	-	274.0	232.9	275.6	197.0	276.5	160.1	277.1	125.2	-	-	-	-
	67	283.9	283.9	273.9	239.3	274.9	205.2	275.2	168.2	275.2	130.9	-	-	266.4	266.4	254.6	228.6	255.3	195.0	255.6	159.0	255.9	124.9	-	-
	62	282.9	282.9	269.6	269.6	256.3	256.3	253.5	203.7	253.9	168.0	253.5	131.9	265.5	265.5	253.3	253.3	240.6	240.6	235.7	193.3	236.0	158.7	236.6	124.1
	57	282.1	282.1	269.0	269.0	255.6	255.6	242.5	242.5	232.9	201.9	233.1	165.9	264.9	264.9	252.7	252.7	240.1	240.1	227.6	227.6	216.6	191.2	216.9	158.2
11500	77	324.1	224.0	325.8	185.0	326.9	145.4	-	-	-	-	-	-	300.4	213.1	302.0	175.3	303.7	137.0	-	-	-	-	-	-
	72	300.4	260.7	301.8	223.1	302.8	182.6	303.6	143.9	-	-	-	-	278.5	248.1	279.9	211.8	281.3	175.1	281.8	137.5	-	-	-	-
	67	294.8	294.8	280.9	280.9	279.9	220.2	280.6	183.0	280.5	143.2	-	-	276.3	276.3	263.4	263.4	259.9	210.6	260.6	173.0	260.8	136.8	-	-
	62	293.9	293.9	280.2	280.2	266.2	266.2	258.9	217.5	259.4	179.9	258.9	143.5	275.6	275.6	262.7	262.7	249.7	249.7	239.9	208.7	241.1	171.5	240.5	134.9
	57	293.0	293.0	279.4	279.4	265.6	265.6	251.8	251.8	238.8	214.6	238.3	178.3	275.0	275.0	262.1	262.1	249.2	249.2	236.2	236.2	223.1	223.1	221.7	169.7

BHC Residential & Light Commercial LLC

KS15 and KK15 hot gas reheat capacity performance

Table 23: KS15 and KK15 hot gas reheat capacity performance, 35°F to 45°F

Air on evap. coil		Temperature of air on condenser coil																			
		Return dry bulb temp °F																			
CFM	WB °F	85		80		75		70		65		85		80		75		70		65	
		TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH
35 °F												45 °F									
3900	72	105.5	62.3	105.0	52.5	102.9	42.2	-	-	-	-	101.8	61.1	100.1	50.1	99.4	40.8	-	-	-	-
	67	97.8	70.9	95.6	62.1	93.9	51.7	93.0	41.8	-	-	91.6	68.7	91.1	59.2	90.5	49.8	89.6	40.3	-	-
	62	87.3	79.5	87.2	70.6	85.9	60.2	85.1	51.0	84.8	41.6	83.2	76.5	83.0	67.2	82.4	58.5	81.6	48.9	80.8	39.6
	57	80.4	80.4	78.5	76.1	77.9	68.5	77.1	58.6	76.7	49.9	76.6	76.6	74.5	70.8	73.9	65.1	73.2	56.4	72.5	47.1
4500	72	110.2	67.2	109.6	55.9	107.6	44.1	-	-	-	-	105.4	64.3	104.6	53.4	103.9	42.6	-	-	-	-
	67	100.8	77.6	100.2	66.2	98.4	55.1	97.4	43.9	-	-	96.3	75.1	95.7	64.1	95.0	53.2	94.0	42.3	-	-
	62	91.4	85.9	91.3	76.7	89.7	64.6	88.8	54.2	87.9	43.1	86.7	82.4	87.1	73.2	86.5	63.2	85.7	52.3	84.8	41.6
	57	86.3	86.3	82.3	82.3	80.8	73.5	80.0	62.4	79.2	52.3	82.4	82.4	78.3	78.3	77.8	71.5	77.0	60.8	76.2	50.3
5250	72	114.9	73.6	114.1	59.4	111.9	45.9	-	-	-	-	109.9	70.3	109.3	57.9	108.5	44.5	-	-	-	-
	67	105.4	85.4	104.8	72.3	102.7	58.6	101.7	45.8	-	-	100.4	81.3	99.9	69.0	99.2	56.6	98.2	44.2	-	-
	62	95.3	92.4	95.8	84.3	93.9	70.4	92.9	57.6	101.6	49.8	90.7	88.9	91.1	81.1	90.5	67.8	89.6	55.5	88.7	43.4
	57	92.5	92.5	87.9	87.9	86.1	80.9	85.2	69.0	94.8	63.5	88.2	88.2	83.8	83.8	83.2	79.0	82.3	67.5	81.5	55.4
6000	72	118.7	78.3	117.7	63.5	115.9	48.7	-	-	-	-	113.4	74.9	112.3	60.7	111.5	46.8	-	-	-	-
	67	109.0	92.6	108.4	78.0	106.8	61.9	105.7	48.6	-	-	103.9	88.3	103.3	74.4	102.6	60.5	101.6	46.7	-	-
	62	99.0	99.0	99.0	91.1	97.5	76.1	96.5	61.8	104.3	52.1	94.8	94.8	94.2	86.6	93.5	72.9	92.6	59.2	91.6	45.8
	57	97.8	97.8	92.8	92.8	91.4	88.6	90.5	76.0	96.5	66.6	93.5	93.5	88.4	88.4	87.8	86.1	86.9	73.9	86.1	59.4
6750	72	121.6	82.7	120.7	66.4	119.1	50.0	-	-	-	-	116.3	80.3	116.6	64.2	115.8	48.6	-	-	-	-
	67	111.7	99.4	111.1	82.2	109.6	65.8	116.8	53.7	-	-	106.6	94.9	106.0	79.5	105.3	63.2	104.2	47.9	-	-
	62	103.3	103.3	101.4	95.3	100.1	80.1	99.1	64.4	106.4	53.2	99.0	99.0	96.7	91.8	96.0	77.8	95.0	61.8	94.1	47.0
	57	102.3	102.3	101.4	101.4	100.1	99.1	99.2	86.3	98.5	69.9	98.3	98.3	92.5	92.5	91.8	91.8	90.9	80.0	90.0	63.9
7500	72	124.0	88.1	123.0	68.9	121.8	51.1	-	-	-	-	116.3	82.6	115.2	65.6	114.4	48.0	-	-	-	-
	67	113.9	104.8	113.4	87.3	112.2	68.5	111.1	51.1	-	-	109.4	101.8	109.4	84.3	108.7	67.4	107.6	49.5	-	-
	62	107.2	107.2	103.5	100.4	102.4	85.0	101.4	67.9	107.9	54.0	103.8	103.8	99.5	96.5	98.8	83.0	97.8	65.6	96.9	48.4
	57	106.1	106.1	103.8	103.8	102.7	102.7	101.7	91.5	101.8	73.3	102.8	102.8	97.1	97.1	96.4	96.4	95.4	86.8	94.5	69.0

Table 24: KS15 and KK15 hot gas reheat capacity performance, 55°F to 65°F

Air on evap. coil		Temperature of air on condenser coil																			
		Return dry bulb temp °F																			
CFM	WB °F	85		80		75		70		65		85		80		75		70		65	
		TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH
		55 °F										65 °F									
3900	72	98.8	59.3	97.1	49.5	96.5	39.5	-	-	-	-	93.9	56.3	93.2	47.5	90.6	37.2	-	-	-	-
	67	88.9	66.7	88.4	57.5	87.8	48.3	86.9	39.1	-	-	85.4	64.9	84.9	55.2	84.6	46.6	83.8	37.7	-	-
	62	80.7	75.0	80.5	66.0	79.9	56.7	79.1	47.5	78.3	38.4	76.8	71.4	77.1	63.2	76.6	54.4	75.9	45.5	75.1	36.8
	57	74.3	74.3	72.2	70.8	71.7	63.8	71.0	54.7	70.3	45.7	71.8	71.8	68.5	67.8	69.3	61.7	68.6	52.9	68.0	44.8
4500	72	102.2	63.4	101.5	51.8	100.8	41.3	-	-	-	-	97.8	60.6	97.3	50.6	96.1	39.4	-	-	-	-
	67	93.4	72.8	92.8	62.2	92.1	51.6	91.2	41.0	-	-	89.1	70.4	88.6	60.3	88.0	49.3	87.2	39.2	-	-
	62	84.1	80.8	84.5	71.8	83.9	61.3	83.1	50.7	82.3	40.3	80.0	76.8	80.5	68.4	80.1	58.5	79.3	48.4	78.5	38.5
	57	79.9	79.9	76.0	76.0	75.4	69.4	74.7	59.0	73.9	48.8	76.9	76.9	72.9	72.9	72.4	67.3	71.7	57.3	71.0	47.5
5250	72	106.6	68.2	106.0	56.2	105.2	43.1	-	-	-	-	101.6	66.1	101.0	53.5	99.5	41.8	-	-	-	-
	67	97.4	79.9	96.9	67.9	96.3	55.8	95.3	42.9	-	-	92.6	76.8	92.2	64.5	91.6	53.1	90.6	40.8	-	-
	62	88.0	87.1	88.4	78.6	87.7	66.7	86.9	54.7	86.0	43.0	83.5	83.5	83.7	75.4	83.5	63.4	82.6	52.1	81.8	40.9
	57	85.6	85.6	81.3	81.3	80.7	77.5	79.9	65.5	79.1	53.8	82.2	82.2	77.9	77.9	75.4	72.4	74.7	62.0	73.9	50.3
6000	72	110.0	73.7	108.9	58.8	108.2	45.4	-	-	-	-	104.5	70.0	103.6	55.9	101.7	42.7	-	-	-	-
	67	100.8	86.7	100.2	72.1	99.5	58.7	98.5	45.3	-	-	95.5	83.1	95.0	69.4	94.1	55.5	93.2	42.8	-	-
	62	91.9	91.9	91.3	84.9	90.7	71.6	89.8	57.5	88.9	44.4	87.8	87.8	86.2	81.0	86.2	68.1	85.3	54.6	84.5	42.2
	57	90.7	90.7	85.8	85.8	85.2	83.5	84.3	71.7	83.5	58.4	86.6	86.6	82.1	82.1	77.9	77.1	77.1	66.3	76.3	53.4
6750	72	112.9	77.9	113.1	63.4	112.4	47.2	-	-	-	-	107.0	74.9	105.7	59.2	103.5	43.5	-	-	-	-
	67	103.4	93.1	102.8	77.1	102.1	61.3	101.1	46.5	-	-	97.4	88.6	97.3	74.0	95.4	58.2	94.4	43.4	-	-
	62	96.0	96.0	93.8	90.0	93.1	75.4	92.2	60.8	91.3	45.6	91.6	91.6	88.4	85.7	88.3	72.4	87.4	57.7	86.5	43.3
	57	95.3	95.3	89.7	89.7	89.1	89.1	88.2	77.6	87.3	62.0	90.4	90.4	85.5	85.5	80.8	80.8	80.0	71.2	79.2	57.0
7500	72	112.8	81.2	111.7	63.7	110.9	47.7	-	-	-	-	108.9	78.4	107.6	61.3	104.8	45.1	-	-	-	-
	67	106.1	98.7	106.1	82.8	105.4	65.3	104.3	48.0	-	-	99.4	93.4	99.1	77.3	98.0	60.7	97.0	44.6	-	-
	62	100.7	100.7	96.5	94.6	95.9	80.5	94.9	63.6	94.0	47.9	95.0	95.0	90.1	89.2	90.0	76.5	89.1	60.6	88.2	45.0
	57	99.7	99.7	94.1	94.1	93.5	93.5	92.5	85.1	91.6	66.9	93.6	93.6	88.5	88.5	83.5	83.5	82.6	76.0	81.8	59.7

BHC Residential & Light Commercial LLC

Table 25: KS15 and KK15 hot gas reheat capacity performance, 75°F to 85°F

Air on evap. coil		Temperature of air on condenser coil																			
		Return dry bulb temp °F																			
CFM	WB °F	85		80		75		70		65		85		80		75		70		65	
		TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH
75 °F												85 °F									
3900	72	87.8	52.7	87.3	44.5	83.4	34.2	-	-	-	-	81.6	49.8	81.0	41.3	77.1	31.6	-	-	-	-
	67	79.8	60.7	79.5	52.5	75.8	41.7	75.3	33.9	-	-	74.2	57.1	73.8	48.7	70.3	39.4	69.7	31.4	-	-
	62	71.8	67.5	70.9	58.9	68.8	49.5	68.4	41.0	68.0	33.3	66.8	63.4	65.6	54.5	63.8	46.0	63.5	38.7	63.0	30.9
	57	67.7	67.7	64.5	64.5	62.3	56.1	62.1	48.4	61.7	40.7	63.6	63.6	60.4	60.4	57.9	52.7	57.6	45.0	57.1	37.7
4500	72	91.5	56.7	90.8	47.2	87.1	35.7	-	-	-	-	84.9	53.5	84.3	43.8	80.0	32.8	-	-	-	-
	67	83.2	65.8	82.9	56.3	79.2	45.1	78.6	35.4	-	-	77.4	61.9	77.0	52.3	73.4	41.8	72.7	32.7	-	-
	62	74.8	72.6	75.3	64.8	72.1	53.4	71.7	44.5	71.1	34.8	69.6	68.2	68.8	59.9	66.9	49.5	66.2	41.1	65.8	32.3
	57	72.5	72.5	68.8	68.8	65.3	61.4	65.2	52.2	64.8	43.4	67.9	67.9	64.5	64.5	60.6	57.6	60.5	49.0	60.1	40.3
5250	72	95.0	61.7	94.3	50.0	89.8	37.7	-	-	-	-	88.1	58.1	87.3	47.2	82.9	34.8	-	-	-	-
	67	86.6	71.8	86.2	61.2	82.6	47.9	81.4	36.6	-	-	80.4	67.5	80.0	56.8	76.5	44.4	75.5	34.7	-	-
	62	78.5	78.5	78.2	71.2	75.3	58.0	74.8	47.1	73.8	36.9	73.4	73.4	72.7	66.1	69.9	53.8	69.4	43.7	67.9	34.0
	57	77.4	77.4	73.4	73.4	68.2	66.1	67.6	56.1	67.3	46.4	72.5	72.5	68.7	68.7	63.3	62.0	63.3	53.2	62.8	43.3
6000	72	97.7	66.4	96.8	53.2	92.0	38.7	-	-	-	-	90.6	61.6	89.4	49.2	84.8	35.6	-	-	-	-
	67	89.1	77.6	88.8	65.7	85.1	51.1	83.9	38.6	-	-	82.6	72.7	82.3	60.9	78.7	47.2	77.4	35.6	-	-
	62	82.6	82.6	80.6	76.5	77.8	62.3	77.1	50.1	75.3	37.6	77.3	77.3	74.8	71.8	72.2	57.8	71.5	46.5	69.6	34.8
	57	81.5	81.5	77.2	77.2	70.5	70.5	69.7	60.6	69.2	48.5	76.2	76.2	72.2	72.2	65.7	65.7	65.5	57.0	64.7	45.9
6750	72	99.9	70.9	98.9	55.4	93.7	39.4	-	-	-	-	92.6	65.7	91.5	52.2	86.3	36.2	-	-	-	-
	67	91.0	83.7	90.8	69.0	87.2	53.2	85.3	39.2	-	-	84.5	78.5	84.3	64.9	80.6	50.0	78.5	36.1	-	-
	62	86.1	86.1	82.6	80.1	80.0	66.4	79.2	52.2	77.4	38.7	80.5	80.5	76.6	75.1	74.1	62.3	73.3	49.1	71.3	35.7
	57	84.9	84.9	80.4	80.4	73.3	73.3	72.3	65.1	71.8	51.7	79.4	79.4	75.2	75.2	68.4	68.4	67.1	61.0	66.5	48.5
7500	72	101.7	74.2	99.3	57.6	94.9	40.8	-	-	-	-	94.2	69.7	91.8	53.2	87.2	37.5	-	-	-	-
	67	92.7	88.1	92.5	73.1	88.7	55.9	86.4	40.6	-	-	86.1	82.7	85.8	68.6	80.3	50.6	79.5	37.4	-	-
	62	89.2	89.2	84.5	84.5	81.6	70.2	80.8	54.9	78.5	40.1	83.3	83.3	78.7	78.7	75.6	65.0	74.7	51.5	72.3	36.9
	57	88.0	88.0	83.1	83.1	75.9	75.9	73.9	68.7	73.2	54.2	82.2	82.2	77.6	77.6	70.7	70.7	68.5	64.4	67.8	50.2

KS18 and KK18 hot gas reheat capacity performance

Table 26: KS18 and KK18 hot gas reheat capacity performance, 35°F to 45°F

Air on evap. coil		Temperature of air on condenser coil																			
		Return dry bulb temp °F																			
CFM	WB °F	85		80		75		70		65		85		80		75		70		65	
		TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH
35 °F												45 °F									
4680	72	118.2	69.7	115.0	57.5	117.2	48.0	-	-	-	-	113.6	68.1	112.9	56.4	112.3	46.0	-	-	-	-
	67	107.7	79.7	107.4	69.8	106.6	58.7	106.1	47.7	-	-	103.4	77.5	102.9	66.9	102.4	56.3	101.5	45.7	-	-
	62	98.2	89.4	97.9	79.3	97.4	68.2	106.5	63.9	96.4	47.2	93.7	86.2	93.4	75.7	92.6	65.7	92.3	55.4	91.6	44.9
	57	91.3	91.3	88.1	86.3	88.7	78.0	88.2	67.0	87.5	56.9	87.1	87.1	83.7	82.1	84.4	74.3	84.0	64.6	83.4	54.2
5250	72	120.8	73.7	124.0	63.2	121.1	49.6	-	-	-	-	117.5	71.7	116.7	59.5	115.9	47.5	-	-	-	-
	67	111.7	86.0	111.2	73.4	110.5	61.9	109.8	49.4	-	-	107.2	82.5	106.5	70.3	105.9	59.3	105.0	47.3	-	-
	62	101.4	95.3	101.7	84.4	101.1	72.8	100.4	61.3	99.6	48.8	96.8	92.0	97.1	81.6	96.6	69.5	95.7	58.4	95.0	46.5
	57	96.6	96.6	93.1	93.1	92.0	82.8	91.6	71.4	90.9	60.0	92.2	92.2	87.6	87.6	87.7	79.8	87.2	68.1	86.6	57.2
6125	72	127.8	80.5	126.9	66.0	125.7	51.6	-	-	-	-	122.4	77.1	121.5	63.2	120.5	49.4	-	-	-	-
	67	116.8	93.4	116.1	80.1	115.2	65.7	114.2	51.4	-	-	112.0	90.8	111.3	76.8	110.4	62.9	109.4	49.2	-	-
	62	105.8	103.7	106.1	92.3	109.8	82.4	115.3	71.5	103.8	50.9	101.2	99.2	101.4	88.2	100.9	75.7	100.1	62.1	99.6	48.8
	57	104.6	104.6	98.1	98.1	96.1	90.3	95.9	77.7	95.1	63.7	98.9	98.9	93.7	93.7	91.5	86.9	91.4	74.0	90.6	60.7
7000	72	131.7	85.6	130.7	69.3	129.6	54.4	-	-	-	-	126.2	83.3	125.2	67.6	123.5	51.9	-	-	-	-
	67	120.3	101.1	119.7	85.0	119.0	69.0	118.9	53.5	-	-	115.6	97.1	114.9	81.6	114.0	66.1	112.4	50.6	-	-
	62	110.1	110.1	109.5	99.7	108.9	83.9	108.1	68.1	107.2	53.6	105.9	105.9	104.7	95.3	104.6	80.6	103.5	65.2	102.0	51.0
	57	110.2	110.2	103.3	103.3	99.3	96.3	99.3	82.4	98.4	67.9	104.4	104.4	98.9	98.9	94.6	92.7	94.5	79.4	93.8	64.7
7875	72	135.0	91.8	134.0	73.7	132.4	55.6	-	-	-	-	130.2	88.5	128.0	70.4	126.0	52.9	-	-	-	-
	67	123.6	107.5	122.9	89.7	122.0	72.0	120.9	55.6	-	-	118.4	104.2	117.9	87.2	116.7	70.0	114.7	52.8	-	-
	62	114.8	114.8	112.2	105.5	112.0	89.6	111.4	72.4	109.1	54.6	110.5	110.5	107.4	102.1	107.2	85.8	106.2	69.0	104.5	52.2
	57	113.8	113.8	107.8	107.8	102.2	101.2	102.0	87.7	101.1	70.8	109.7	109.7	103.3	103.3	97.4	97.4	97.2	84.6	96.3	67.4
9000	72	138.6	98.4	136.7	76.6	135.2	56.8	-	-	-	-	129.7	92.1	128.8	73.4	125.9	52.9	-	-	-	-
	67	126.5	116.4	126.1	97.1	125.1	76.3	123.0	56.6	-	-	122.1	113.6	122.1	94.0	120.7	73.6	118.2	54.4	-	-
	62	120.3	120.3	115.2	111.8	114.8	95.3	122.3	82.0	111.9	56.0	116.6	116.6	111.2	109.0	110.9	92.0	109.8	73.6	107.4	53.7
	57	119.3	119.3	112.7	112.7	106.5	106.5	104.7	94.3	103.9	74.8	115.7	115.7	109.3	109.3	102.8	102.8	100.6	90.5	99.8	71.8

Table 27: KS18 and KK18 hot gas reheat capacity performance, 55°F to 65°F

Air on evap. coil		Temperature of air on condenser coil																			
		Return dry bulb temp °F																			
CFM	WB °F	85		80		75		70		65		85		80		75		70		65	
		TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH
		55 °F										65 °F									
4680	72	108.0	64.8	107.3	53.6	106.5	43.7	-	-	-	-	102.3	61.4	101.6	51.8	100.8	41.3	-	-	-	-
	67	98.2	73.7	97.7	63.5	97.0	53.3	95.1	42.8	-	-	92.5	70.3	92.2	59.9	91.7	50.4	91.0	41.0	-	-
	62	88.7	82.5	88.6	72.7	88.3	62.7	87.7	52.6	86.9	42.6	83.1	77.3	83.2	68.2	83.0	58.9	82.6	49.5	82.0	40.2
	57	83.0	83.0	79.1	78.3	79.8	71.0	79.5	61.2	79.0	51.4	78.4	78.4	74.3	74.3	75.0	66.7	74.6	57.4	74.2	49.0
5250	72	111.8	68.2	111.0	56.6	110.1	45.1	-	-	-	-	105.8	65.6	105.1	53.6	104.2	42.7	-	-	-	-
	67	101.8	79.4	101.2	67.8	100.5	56.3	99.6	44.8	-	-	95.9	74.8	95.6	64.1	95.1	53.2	94.0	42.3	-	-
	62	91.6	87.9	92.1	77.3	91.7	66.9	90.9	55.5	90.1	44.1	86.1	82.7	86.6	72.7	86.0	62.8	85.6	52.2	84.7	41.5
	57	87.7	87.7	83.1	83.1	82.9	75.4	82.6	65.3	82.1	54.2	82.9	82.9	78.5	78.5	77.7	71.5	77.5	61.3	77.0	50.8
6125	72	116.6	74.6	115.7	61.3	114.4	46.9	-	-	-	-	110.2	70.5	109.3	57.9	107.9	44.2	-	-	-	-
	67	106.4	86.2	105.7	72.9	104.8	59.7	103.5	46.6	-	-	100.2	82.2	99.7	69.8	99.0	56.4	98.4	44.3	-	-
	62	95.8	94.8	96.1	84.5	95.7	71.8	95.0	58.9	93.7	45.9	90.2	90.2	90.2	80.3	89.9	68.4	89.3	55.4	87.6	42.9
	57	94.0	94.0	89.0	89.0	86.4	83.0	86.4	70.9	85.9	58.4	88.8	88.8	84.0	84.0	81.1	77.9	81.1	66.5	80.5	54.7
7000	72	120.2	79.4	120.0	64.8	117.4	49.3	-	-	-	-	113.8	75.1	112.6	60.8	110.6	46.4	-	-	-	-
	67	109.7	93.3	109.0	78.5	108.2	63.9	106.4	48.9	-	-	103.5	87.9	103.0	74.2	102.3	60.3	100.4	46.2	-	-
	62	100.6	100.6	99.0	91.1	99.0	77.2	98.1	62.8	96.4	48.2	95.0	95.0	93.1	86.6	93.0	72.5	92.2	59.0	90.7	45.3
	57	99.2	99.2	93.9	93.9	89.4	87.6	89.4	75.1	88.8	61.3	93.7	93.7	88.6	88.6	83.9	83.1	83.9	71.3	83.3	57.4
7875	72	123.1	83.7	121.9	67.1	119.7	50.3	-	-	-	-	116.4	80.3	115.3	63.4	112.7	47.3	-	-	-	-
	67	112.4	98.9	112.0	82.9	110.9	66.5	108.7	50.0	-	-	105.8	94.1	105.6	79.2	104.5	62.7	102.2	47.0	-	-
	62	105.1	105.1	102.0	97.9	101.7	81.4	100.6	65.4	98.7	49.3	99.4	99.4	95.7	91.9	95.5	77.3	94.6	61.5	90.8	45.4
	57	103.8	103.8	98.1	98.1	92.8	92.8	91.9	79.9	90.7	64.4	98.0	98.0	92.5	92.5	87.3	87.3	86.1	75.8	85.4	60.6
9000	72	126.2	89.6	124.8	71.1	121.9	51.2	-	-	-	-	119.2	85.8	117.7	67.1	114.6	49.3	-	-	-	-
	67	115.4	107.3	115.0	88.6	113.7	70.5	111.2	51.2	-	-	108.6	102.1	108.3	84.5	107.1	66.4	104.4	48.0	-	-
	62	110.2	110.2	104.6	103.6	104.4	87.7	103.1	69.1	100.7	51.3	104.1	104.1	98.5	97.5	98.0	82.3	96.7	64.8	94.4	48.1
	57	108.7	108.7	102.7	102.7	96.7	96.7	94.3	85.8	93.7	68.4	102.7	102.7	96.9	96.9	91.2	91.2	88.5	81.4	87.6	64.0

Table 28: KS18 and KK18 hot gas reheat capacity performance, 75°F to 85°F

Air on evap. coil		Temperature of air on condenser coil																			
		Return dry bulb temp °F																			
CFM	WB °F	85		80		75		70		65		85		80		75		70		65	
		TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH
		75 °F										85 °F									
4680	72	95.7	57.4	95.2	48.5	94.6	38.8	-	-	-	-	89.0	54.3	88.5	45.1	87.7	36.0	-	-	-	-
	67	86.6	65.8	86.3	57.0	85.8	47.2	85.1	38.3	-	-	80.6	62.1	80.3	53.0	79.7	44.6	79.1	35.6	-	-
	62	77.7	73.1	77.9	64.7	77.6	55.9	77.1	46.3	76.5	37.5	72.4	68.1	72.5	60.2	72.2	52.0	71.8	43.8	71.0	34.8
	57	73.7	73.7	70.0	70.0	70.1	63.1	69.8	54.4	69.4	45.8	69.2	69.2	65.4	65.4	65.1	58.6	64.9	50.6	64.5	42.6
5250	72	99.1	61.4	98.4	51.2	97.5	40.0	-	-	-	-	92.1	57.1	91.4	47.5	90.4	37.1	-	-	-	-
	67	89.8	70.9	89.4	59.9	88.9	49.8	87.1	39.2	-	-	83.5	66.0	83.2	56.5	82.5	46.2	81.7	36.8	-	-
	62	80.6	78.1	80.8	68.7	80.5	58.8	79.9	48.8	79.1	38.8	75.1	73.6	75.4	64.8	75.0	55.5	74.4	45.4	73.4	36.0
	57	78.0	78.0	73.8	73.8	72.6	66.7	72.5	58.0	72.0	48.2	73.2	73.2	69.2	69.2	67.5	62.7	67.4	53.9	66.3	44.4
6125	72	103.0	65.9	102.5	54.3	100.8	41.3	-	-	-	-	95.8	62.3	95.0	50.3	93.4	39.2	-	-	-	-
	67	93.8	76.9	93.3	65.3	93.0	53.9	91.0	40.9	-	-	87.2	72.4	86.7	61.6	85.9	49.8	84.5	38.0	-	-
	62	84.8	84.8	84.2	74.9	83.7	63.6	83.5	52.6	82.0	41.0	79.5	79.5	78.5	70.6	78.3	60.3	77.6	48.9	76.0	38.0
	57	83.6	83.6	79.1	79.1	75.9	73.6	75.8	62.9	75.2	51.1	78.5	78.5	74.0	74.0	70.5	68.4	70.4	58.5	69.8	47.5
7000	72	106.2	71.2	106.0	57.2	103.3	43.4	-	-	-	-	98.7	67.1	97.7	53.7	95.6	40.2	-	-	-	-
	67	96.6	83.1	96.3	70.3	95.4	56.3	95.7	44.0	-	-	89.7	78.1	89.4	65.3	88.5	52.2	86.7	39.9	-	-
	62	89.5	89.5	87.2	81.1	87.0	68.7	86.2	55.2	83.2	41.6	83.8	83.8	81.1	76.3	80.9	64.7	80.1	52.1	78.4	39.2
	57	88.3	88.3	83.4	83.4	78.7	78.7	78.4	67.4	77.6	54.3	82.7	82.7	78.1	78.1	73.6	73.6	72.9	62.7	72.1	50.5
7875	72	108.8	75.0	107.6	60.3	105.2	44.2	-	-	-	-	101.0	70.7	99.8	55.9	97.2	40.8	-	-	-	-
	67	98.9	89.0	98.6	74.0	97.6	59.5	95.0	43.7	-	-	92.1	83.8	91.7	69.7	90.6	55.2	88.1	40.5	-	-
	62	93.5	93.5	89.6	86.9	89.3	73.2	88.3	58.3	86.2	43.1	87.5	87.5	83.2	81.6	83.1	68.1	82.0	54.1	79.8	39.9
	57	92.2	92.2	87.1	87.1	82.0	82.0	80.4	71.5	79.7	56.6	86.4	86.4	81.5	81.5	76.7	76.7	74.7	66.5	74.0	53.3
9000	72	111.3	81.3	110.0	63.8	106.8	45.9	-	-	-	-	103.4	75.5	101.7	59.0	98.4	42.3	-	-	-	-
	67	101.6	96.5	101.1	79.9	99.9	61.9	97.0	45.6	-	-	94.4	90.7	93.9	75.1	92.6	58.4	89.4	42.0	-	-
	62	97.9	97.9	92.5	92.5	91.5	77.8	90.2	61.3	87.7	44.7	91.5	91.5	86.4	86.4	85.0	73.1	83.9	57.0	81.0	41.3
	57	96.6	96.6	91.1	91.1	85.6	85.6	82.6	76.0	81.7	60.4	90.3	90.3	85.1	85.1	80.1	80.1	76.9	71.5	75.8	56.1

KS20 and KK20 hot gas reheat capacity performance

Table 29: KS20 and KK20 hot gas reheat capacity performance, 35°F to 45°F

Air on evap. coil		Temperature of air on condenser coil																			
		Return dry bulb temp °F																			
CFM	WB °F	85		80		75		70		65		85		80		75		70		65	
		TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH
35 °F												45 °F									
5200	72	134.0	77.7	133.6	66.8	133.0	54.5	-	-	-	-	129.1	76.2	128.3	64.2	127.4	52.2	-	-	-	-
	67	123.8	90.4	123.6	79.1	123.0	66.4	122.1	55.0	-	-	118.4	86.5	118.2	75.7	117.9	63.7	116.7	52.5	-	-
	62	114.0	101.4	113.9	90.0	113.5	78.3	113.0	66.7	112.1	54.9	108.8	97.9	108.6	86.9	108.2	75.7	107.6	63.5	106.8	52.4
	57	109.0	109.0	104.5	101.4	104.4	89.8	104.0	78.0	103.6	67.4	104.1	104.1	99.5	96.5	99.2	86.3	99.0	75.2	98.4	63.9
6000	72	140.5	84.3	138.9	70.9	137.4	56.3	-	-	-	-	134.1	80.5	133.2	67.9	131.8	54.0	-	-	-	-
	67	128.5	97.7	128.3	83.4	127.6	70.2	126.3	56.8	-	-	123.6	93.9	123.1	81.3	122.2	67.2	120.9	54.4	-	-
	62	118.7	110.4	118.5	97.2	118.1	83.8	117.5	70.5	116.3	57.0	113.4	106.6	113.1	92.7	112.7	80.0	111.8	67.1	110.5	54.1
	57	115.5	115.5	110.3	110.3	108.6	96.7	108.3	83.4	107.7	70.0	110.5	110.5	105.4	105.4	103.4	92.0	103.0	80.4	102.3	67.5
7000	72	144.4	89.5	143.7	74.7	142.0	58.2	-	-	-	-	139.0	86.2	137.9	71.7	135.8	55.7	-	-	-	-
	67	133.5	105.5	133.1	90.5	132.4	74.1	130.5	58.7	-	-	128.2	101.3	127.6	86.8	126.7	71.0	124.7	56.1	-	-
	62	123.4	119.7	122.7	105.5	122.4	90.6	121.6	74.2	120.0	58.8	118.8	116.5	117.4	101.0	116.9	86.5	116.1	70.8	114.2	56.0
	57	122.1	122.1	116.8	116.8	113.0	105.1	112.4	89.9	111.7	74.9	117.3	117.3	111.7	111.7	107.4	99.9	107.1	85.6	106.3	71.2
8000	72	148.8	95.3	147.3	78.1	149.0	61.1	-	-	-	-	143.0	92.9	141.6	75.1	139.0	57.0	-	-	-	-
	67	135.7	111.3	137.4	96.2	135.5	78.6	134.8	60.7	-	-	131.7	109.3	131.2	91.8	130.1	75.5	128.0	57.6	-	-
	62	129.3	129.3	126.3	112.4	125.6	95.5	124.7	78.6	122.8	60.2	124.6	124.6	121.0	108.9	120.2	91.4	119.4	75.2	117.5	57.6
	57	128.2	128.2	122.2	122.2	116.3	112.8	115.6	94.8	114.9	78.2	123.1	123.1	117.0	117.0	111.2	107.8	110.0	91.3	109.2	74.2
9000	72	151.7	101.6	150.2	81.1	149.7	62.9	-	-	-	-	145.9	97.7	144.5	78.0	141.4	59.4	-	-	-	-
	67	140.2	120.6	139.5	100.5	138.4	81.7	136.5	61.4	-	-	134.7	115.8	134.0	97.8	132.6	78.2	129.6	59.6	-	-
	62	134.1	134.1	128.9	119.9	128.2	101.3	127.3	81.5	124.8	62.4	129.5	129.5	123.6	115.0	122.4	96.7	122.5	78.4	118.7	59.3
	57	133.0	133.0	126.6	126.6	120.4	119.2	118.1	100.3	117.2	82.0	128.4	128.4	121.4	121.4	115.1	115.1	112.6	96.8	111.4	78.0
10000	72	154.3	106.4	152.9	84.1	149.3	62.7	-	-	-	-	145.7	100.5	144.7	81.0	140.5	59.0	-	-	-	-
	67	142.8	127.1	142.0	106.5	140.0	84.0	137.5	63.2	-	-	138.6	124.8	137.8	103.4	136.2	81.7	132.5	61.0	-	-
	62	138.1	138.1	131.6	126.3	130.5	105.7	129.2	84.0	126.4	63.2	134.9	134.9	127.9	124.1	126.3	102.3	125.1	82.6	121.5	60.8
	57	137.5	137.5	130.4	130.4	123.8	123.8	120.4	105.9	118.9	84.4	134.0	134.0	126.9	126.9	120.0	120.0	115.9	102.0	114.5	81.3

Table 30: KS20 and KK20 hot gas reheat capacity performance, 55°F to 65°F

Air on evap. coil		Temperature of air on condenser coil																			
		Return dry bulb temp °F																			
CFM	WB °F	85		80		75		70		65		85		80		75		70		65	
		TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH
		55 °F										65 °F									
5200	72	122.8	72.4	121.9	61.0	121.0	49.6	-	-	-	-	116.6	68.8	115.7	57.9	114.3	46.9	-	-	-	-
	67	112.7	83.4	112.4	71.9	111.9	61.6	111.0	49.9	-	-	106.4	78.8	106.2	68.0	105.6	58.1	104.5	47.0	-	-
	62	102.9	92.6	103.0	82.4	102.7	71.9	102.1	61.3	101.1	49.5	96.8	88.0	96.9	78.5	96.6	67.6	96.2	57.7	95.1	46.6
	57	99.0	99.0	94.4	92.5	93.5	81.3	93.6	71.1	94.8	61.6	93.5	93.5	89.2	87.5	87.9	76.5	87.7	66.7	87.4	56.8
6000	72	127.9	78.0	126.8	64.7	125.1	51.3	-	-	-	-	121.4	74.1	120.3	61.4	118.6	48.6	-	-	-	-
	67	117.5	89.3	117.1	77.3	116.1	63.9	115.5	52.0	-	-	110.8	85.3	110.6	73.0	110.3	61.8	108.6	48.9	-	-
	62	107.5	101.1	107.1	88.9	106.9	77.0	106.2	63.7	105.3	51.6	101.2	96.1	100.7	84.5	100.4	72.3	100.0	61.0	98.5	48.3
	57	105.2	105.2	100.1	100.1	97.5	87.8	97.4	76.0	96.9	64.0	99.5	99.5	94.6	94.6	91.5	83.3	91.5	71.4	90.9	60.0
7000	72	132.6	83.6	131.4	68.3	129.0	52.9	-	-	-	-	125.9	79.3	124.7	64.9	122.0	50.0	-	-	-	-
	67	122.0	97.6	121.4	82.5	120.3	68.5	115.5	52.0	-	-	115.0	92.0	114.8	79.2	113.8	64.9	111.5	50.2	-	-
	62	113.3	111.0	111.5	97.0	111.0	82.1	110.2	68.3	108.0	52.9	107.1	104.9	104.8	91.1	104.4	78.3	103.6	64.2	101.5	49.8
	57	111.7	111.7	106.2	106.2	101.5	95.4	101.2	82.0	100.5	67.3	105.6	105.6	100.3	100.3	95.4	90.6	94.9	76.9	94.4	63.2
8000	72	136.8	88.9	134.9	71.5	132.5	54.3	-	-	-	-	129.5	85.4	128.0	67.9	124.5	52.3	-	-	-	-
	67	125.4	104.0	124.9	88.7	123.6	71.7	120.4	54.2	-	-	118.6	99.7	118.0	83.8	116.9	67.8	113.9	51.3	-	-
	62	118.7	118.7	115.2	103.7	114.1	87.9	113.2	71.3	110.6	54.2	112.3	112.3	107.8	98.1	107.5	82.8	106.4	67.0	103.7	51.9
	57	117.1	117.1	111.3	111.3	105.6	103.5	103.8	86.2	103.3	71.3	110.8	110.8	105.1	105.1	99.5	97.5	97.7	82.0	96.9	66.9
9000	72	139.4	93.4	137.5	74.3	134.1	56.3	-	-	-	-	132.0	89.7	130.6	71.8	124.8	52.4	-	-	-	-
	67	128.5	111.8	127.5	93.1	126.9	74.9	122.6	56.4	-	-	122.4	107.7	120.7	89.3	119.1	71.5	115.6	53.2	-	-
	62	123.3	123.3	117.5	110.5	116.8	92.3	115.6	74.0	112.4	56.2	116.9	116.9	110.7	105.2	109.7	87.8	108.6	70.6	105.5	52.7
	57	121.7	121.7	115.6	115.6	109.3	109.3	106.6	91.6	105.5	73.8	115.2	115.2	109.0	109.0	103.2	103.2	99.8	86.8	98.8	69.2
10000	72	141.7	99.2	139.9	78.4	137.2	57.6	-	-	-	-	134.4	94.1	132.6	74.3	128.1	53.8	-	-	-	-
	67	131.3	118.2	129.7	98.6	128.1	78.2	124.3	57.2	-	-	123.6	112.5	122.6	93.2	121.0	73.8	117.1	53.9	-	-
	62	127.2	127.2	120.7	117.1	118.8	97.4	117.0	77.2	113.6	56.8	120.7	120.7	114.1	110.7	111.9	91.8	110.2	72.7	106.7	53.3
	57	125.5	125.5	119.1	119.1	112.6	112.6	108.5	96.6	107.2	77.2	119.0	119.0	112.4	112.4	106.2	106.2	101.8	90.6	100.5	72.3

BHC Residential & Light Commercial LLC

Table 31: KS20 and KK20 hot gas reheat capacity performance, 75°F to 85°F

Air on evap. coil		Temperature of air on condenser coil																			
		Return dry bulb temp °F																			
CFM	WB °F	85		80		75		70		65		85		80		75		70		65	
		TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH
75 °F												85 °F									
5200	72	109.3	64.5	108.5	54.2	107.8	44.2	-	-	-	-	101.6	61.0	101.0	50.5	99.5	40.8	-	-	-	-
	67	99.8	74.8	99.5	64.7	98.9	54.4	97.9	44.0	-	-	93.0	69.7	92.8	60.3	92.1	50.6	90.7	40.8	-	-
	62	90.5	83.3	90.7	73.5	90.2	63.1	89.7	53.8	88.6	43.4	84.4	77.6	84.5	69.3	84.3	59.8	83.6	50.2	82.2	40.3
	57	88.2	88.2	84.0	82.3	82.2	72.4	82.2	63.3	81.7	53.1	82.9	82.9	78.9	77.3	76.3	67.2	76.4	58.9	75.9	49.3
6000	72	113.8	69.4	112.7	57.5	111.0	45.5	-	-	-	-	105.9	65.7	105.0	53.5	102.9	42.2	-	-	-	-
	67	103.9	80.0	103.5	69.4	102.7	57.5	101.0	45.4	-	-	96.8	75.5	96.4	64.6	94.8	53.1	93.9	42.2	-	-
	62	95.2	91.4	94.3	79.2	94.1	67.8	93.4	57.0	92.0	45.1	89.5	85.9	87.9	74.7	87.6	64.0	86.9	53.0	85.2	41.7
	57	93.9	93.9	89.2	89.2	85.6	77.9	85.6	67.6	85.0	56.1	88.1	88.1	83.6	83.6	79.6	73.2	79.7	62.9	78.9	52.1
7000	72	118.0	75.5	117.0	60.8	114.5	47.0	-	-	-	-	109.7	70.2	108.7	57.6	105.9	43.4	-	-	-	-
	67	108.1	87.5	107.6	74.2	106.7	60.8	104.1	46.9	-	-	100.7	82.6	100.2	70.1	99.0	56.4	96.5	43.4	-	-
	62	101.1	100.1	98.0	86.3	97.7	73.3	96.9	60.1	94.8	46.4	95.0	94.0	91.4	81.4	91.0	69.2	90.0	55.8	88.1	43.1
	57	99.8	99.8	94.4	94.4	89.7	85.2	88.8	72.8	88.1	59.9	93.5	93.5	88.8	88.8	84.0	80.6	82.5	67.7	81.8	55.6
8000	72	121.2	80.0	119.9	64.8	116.7	49.0	-	-	-	-	113.0	74.6	111.6	60.2	107.0	44.9	-	-	-	-
	67	111.2	94.5	110.5	79.6	109.2	63.3	105.8	47.6	-	-	103.7	89.2	102.8	74.0	101.4	59.8	98.4	45.3	-	-
	62	106.2	106.2	101.2	93.1	100.7	78.5	99.4	63.6	96.8	48.4	99.6	99.6	94.5	87.8	93.8	73.1	92.9	59.4	89.5	44.7
	57	104.7	104.7	99.0	99.0	93.8	91.9	91.4	76.8	90.4	62.4	98.2	98.2	93.0	93.0	87.8	86.0	84.9	72.2	83.9	57.9
9000	72	123.9	84.2	122.2	67.2	118.3	49.7	-	-	-	-	115.1	79.4	113.6	62.5	109.5	46.0	-	-	-	-
	67	113.9	100.2	112.9	83.6	111.5	66.9	107.9	49.6	-	-	105.9	94.2	105.1	78.9	103.5	62.1	99.8	45.9	-	-
	62	110.2	110.2	104.3	99.1	102.9	82.3	101.5	66.0	97.9	49.0	103.4	103.4	97.6	93.7	95.8	77.6	94.1	61.2	90.7	45.4
	57	108.7	108.7	103.0	103.0	97.1	97.1	93.4	81.3	92.0	65.3	102.0	102.0	96.4	96.4	91.0	91.0	86.8	76.3	85.4	60.7
10000	72	126.0	89.5	124.2	69.5	119.1	50.0	-	-	-	-	117.5	83.4	115.3	65.7	110.4	46.4	-	-	-	-
	67	115.8	106.5	114.9	88.5	113.1	69.0	109.1	50.2	-	-	108.2	100.6	107.0	82.4	105.2	65.3	100.8	46.4	-	-
	62	113.8	113.8	107.4	105.3	104.6	86.8	103.0	68.0	99.1	49.5	106.5	106.5	100.8	98.8	97.3	81.7	95.7	64.1	91.7	45.8
	57	112.3	112.3	105.9	105.9	100.0	100.0	95.0	85.5	93.6	67.4	105.3	105.3	99.4	99.4	93.6	93.6	88.5	80.6	86.3	63.0

KS25 and KK25 hot gas reheat capacity performance

Table 32: KS25 and KK25 hot gas reheat capacity performance, 35°F to 45°F

Air on evap. coil		Temperature of air on condenser coil																			
		Return dry bulb temperature °F																			
CFM	WB °F	85		80		75		70		65		85		80		75		70		65	
		TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH
35 °F												45 °F									
6500	72	175.2	103.4	174.3	87.1	170.8	70.0	-	-	-	-	166.8	98.4	165.9	82.9	164.9	67.6	-	-	-	-
	67	160.7	118.9	160.0	102.4	159.5	87.7	158.4	71.3	-	-	153.2	113.4	152.5	97.6	151.1	83.1	150.5	67.7	-	-
	62	147.0	133.8	146.8	117.4	146.3	102.4	145.4	87.2	144.6	70.9	139.9	127.3	139.4	112.9	141.3	98.9	138.2	82.9	137.2	67.2
	57	139.7	139.7	133.9	131.2	133.8	116.4	133.4	101.4	132.6	86.2	133.1	133.1	127.0	125.8	127.3	112.0	126.8	96.4	126.0	81.9
7500	72	181.3	110.6	180.6	92.1	179.7	73.7	-	-	-	-	173.0	105.5	171.9	87.7	170.6	69.9	-	-	-	-
	67	167.1	128.7	166.6	109.9	165.8	92.8	164.3	73.9	-	-	159.3	122.7	159.2	105.1	157.6	88.3	155.7	70.1	-	-
	62	153.4	144.2	153.0	126.9	152.3	109.7	151.5	92.4	150.0	73.5	145.7	138.5	145.0	121.8	144.7	104.1	143.7	87.6	142.2	69.7
	57	148.4	148.4	141.3	141.3	139.4	125.4	139.0	108.4	138.2	91.2	141.2	141.2	134.7	134.7	132.6	120.7	132.0	103.0	131.2	86.6
8750	72	188.3	118.7	187.2	97.3	185.4	76.0	-	-	-	-	179.5	113.1	178.2	92.7	178.2	73.0	-	-	-	-
	67	173.5	138.8	172.4	117.2	171.8	97.9	169.8	76.4	-	-	165.4	134.0	164.5	113.5	163.3	93.1	161.2	72.5	-	-
	62	159.5	157.9	158.5	137.9	158.2	117.1	157.2	97.5	156.3	76.6	152.2	152.2	150.9	131.3	150.4	112.8	149.2	92.5	147.0	72.0
	57	157.8	157.8	150.0	150.0	145.3	136.6	144.4	116.9	143.6	96.2	150.3	150.3	142.7	142.7	137.6	130.8	137.2	111.2	136.1	91.2
10000	72	193.9	126.0	192.4	102.0	189.9	77.9	-	-	-	-	184.4	121.7	184.3	99.5	180.0	75.6	-	-	-	-
	67	178.4	149.9	177.2	125.8	176.1	102.1	174.3	78.4	-	-	169.3	142.2	169.1	120.1	167.7	97.3	165.0	74.2	-	-
	62	166.8	166.8	163.9	149.2	163.0	125.5	161.7	101.9	160.1	80.0	159.4	159.4	155.9	141.9	155.0	119.4	154.1	97.1	150.9	75.4
	57	165.4	165.4	157.8	157.8	149.5	146.5	148.8	125.0	148.1	102.2	157.8	157.8	149.7	149.7	142.1	140.7	141.3	118.7	140.1	96.7
11500	72	198.6	135.0	199.1	109.5	191.7	80.5	-	-	-	-	189.1	128.6	188.8	103.9	184.0	77.3	-	-	-	-
	67	183.2	161.2	182.3	134.9	181.0	108.6	178.5	82.1	-	-	174.6	153.7	173.7	128.5	172.2	103.3	168.5	77.5	-	-
	62	174.7	174.7	167.9	159.5	167.1	133.7	166.1	108.0	161.2	80.6	167.0	167.0	159.8	151.8	159.0	127.2	157.5	102.4	154.3	77.1
	57	173.2	173.2	164.4	164.4	155.7	155.7	152.9	133.1	151.6	107.6	165.8	165.8	156.8	156.8	148.4	148.4	145.1	126.2	143.8	102.1

Table 33: KS25 and KK25 hot gas reheat capacity performance, 55°F to 65°F

Air on evap. coil		Temperature of air on condenser coil																			
		Return dry bulb temperature °F																			
CFM	WB °F	85		80		75		70		65		85		80		75		70		65	
		TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH
		55 °F										65 °F									
6500	72	157.5	92.9	156.6	78.3	156.3	64.1	-	-	-	-	148.6	89.2	147.6	73.8	146.7	60.1	-	-	-	-
	67	144.8	108.6	144.3	93.8	143.4	78.9	142.3	64.1	-	-	136.0	102.0	135.6	88.2	135.2	74.4	133.7	60.2	-	-
	62	132.1	121.5	131.9	106.9	131.7	92.2	130.9	78.6	129.8	63.6	124.0	114.1	123.8	101.5	123.6	87.8	123.0	73.8	122.0	59.8
	57	126.5	126.5	120.5	119.3	119.9	105.5	119.6	92.1	119.3	77.5	119.4	119.4	113.7	113.7	112.5	100.1	112.3	86.5	111.7	72.6
7500	72	163.7	99.9	162.7	83.0	160.9	66.0	-	-	-	-	154.2	95.6	152.9	78.0	151.0	61.9	-	-	-	-
	67	150.7	116.0	149.8	100.4	149.1	83.5	147.2	66.2	-	-	141.4	110.3	140.9	94.4	140.1	78.4	139.4	62.7	-	-
	62	137.7	130.8	137.4	115.4	137.1	98.7	136.2	83.1	135.0	66.2	129.1	123.9	128.5	109.2	128.3	93.7	127.7	77.9	126.4	61.9
	57	134.3	134.3	127.7	127.7	124.9	113.6	124.6	98.5	123.9	81.8	126.7	126.7	120.6	120.6	117.2	107.9	116.8	92.3	116.2	76.7
8750	72	169.8	108.7	168.3	87.5	165.9	68.0	-	-	-	-	159.9	102.3	158.2	83.8	156.2	64.1	-	-	-	-
	67	156.2	126.5	155.6	107.3	154.2	87.9	152.5	68.6	-	-	146.3	119.9	146.1	102.3	145.0	82.7	142.7	64.2	-	-
	62	144.5	144.5	142.9	125.8	142.3	106.7	141.2	87.5	139.1	68.1	136.1	136.1	133.9	119.2	133.2	101.2	132.4	82.1	130.1	63.7
	57	142.5	142.5	135.7	135.7	129.8	123.4	129.5	106.2	128.7	87.5	134.4	134.4	127.8	127.8	121.9	117.1	121.4	99.6	120.6	82.0
10000	72	174.3	115.0	172.6	93.2	169.9	71.3	-	-	-	-	164.1	108.3	162.3	87.6	159.2	66.9	-	-	-	-
	67	160.4	136.3	159.9	115.1	158.4	91.9	155.7	70.0	-	-	150.7	129.6	149.9	107.9	148.9	87.8	146.1	67.2	-	-
	62	151.3	151.3	147.5	135.7	146.6	114.3	145.2	92.9	142.4	71.2	142.7	142.7	137.8	126.8	137.3	107.1	136.0	87.0	133.0	66.5
	57	149.4	149.4	142.0	142.0	134.7	133.3	133.1	111.8	132.4	91.3	140.8	140.8	133.7	133.7	126.8	126.8	124.7	106.0	123.8	85.5
11500	72	178.8	123.4	177.3	97.5	172.9	72.6	-	-	-	-	168.2	116.0	166.2	93.1	161.7	67.9	-	-	-	-
	67	165.5	147.3	164.0	123.0	162.2	97.3	158.3	72.8	-	-	155.2	139.7	154.1	115.6	152.4	91.4	148.8	68.4	-	-
	62	158.3	158.3	151.0	145.0	150.2	121.7	148.8	96.7	144.8	72.4	149.2	149.2	141.8	137.5	140.5	115.2	139.2	91.9	135.9	67.9
	57	156.4	156.4	148.5	148.5	140.5	140.5	137.3	120.8	135.8	96.4	146.4	146.4	139.7	139.7	132.3	132.3	128.3	114.2	126.9	90.1

Table 34: KS25 and KK25 hot gas reheat capacity performance, 75°F to 85°F

Air on evap. coil		Temperature of air on condenser coil																			
		Return dry bulb temperature °F																			
CFM	WB °F	85		80		75		70		65		85		80		75		70		65	
		TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH	TC MBH	SC MBH
75 °F												85 °F									
6500	72	137.0	82.2	136.1	69.4	135.0	55.3	-	-	-	-	130.1	78.1	129.8	66.2	129.4	53.1	-	-	-	-
	67	125.3	94.0	125.0	81.2	124.6	68.5	123.6	55.6	-	-	118.3	89.9	118.5	78.2	118.3	65.1	118.2	53.2	-	-
	62	114.3	106.3	114.3	93.7	113.9	80.9	113.2	67.9	112.2	55.0	108.0	101.6	107.8	89.5	107.7	77.6	107.9	64.8	107.7	52.8
	57	110.3	110.3	105.2	105.2	103.8	92.4	103.7	79.8	103.1	67.0	106.0	106.0	101.0	101.0	98.0	88.2	98.3	76.7	98.1	64.8
7500	72	143.8	89.2	142.6	74.2	140.7	57.7	-	-	-	-	133.2	82.6	132.0	68.6	130.5	53.5	-	-	-	-
	67	131.8	104.1	131.3	88.0	130.2	72.9	129.5	58.3	-	-	122.3	96.6	121.8	82.8	120.7	67.6	119.2	53.7	-	-
	62	120.9	117.3	119.9	101.9	119.8	87.4	119.1	72.6	117.3	57.5	112.9	110.7	111.4	95.8	111.1	82.2	110.2	67.2	108.4	53.1
	57	119.1	119.1	113.3	113.3	109.5	100.8	109.1	87.3	108.3	72.6	111.2	111.2	106.0	106.0	101.3	94.3	101.1	80.9	100.3	67.2
8750	72	149.1	95.4	147.8	78.3	145.8	59.8	-	-	-	-	137.9	89.6	136.6	72.4	133.7	54.8	-	-	-	-
	67	136.6	112.0	136.2	95.3	134.9	78.2	132.8	59.8	-	-	127.0	105.4	126.3	89.7	125.0	72.5	122.6	55.2	-	-
	62	128.0	128.0	124.8	111.0	124.3	94.5	123.1	77.6	120.8	59.2	119.6	119.6	115.9	104.3	115.1	88.6	113.9	71.7	111.5	55.8
	57	126.3	126.3	120.0	120.0	114.0	110.6	113.2	93.9	112.3	76.4	118.1	118.1	112.2	112.2	106.3	103.2	104.8	87.0	104.0	71.7
10000	72	152.7	102.3	151.4	81.8	148.1	62.2	-	-	-	-	141.8	96.4	140.1	77.0	136.3	57.2	-	-	-	-
	67	140.5	120.9	139.8	102.1	138.3	81.6	135.6	62.4	-	-	130.4	113.5	129.3	94.4	128.1	75.6	124.8	57.4	-	-
	62	134.0	134.0	128.5	119.5	127.9	101.0	126.7	81.1	123.4	61.7	125.1	125.1	119.3	112.2	118.4	93.6	117.1	76.1	113.0	56.5
	57	132.2	132.2	125.3	125.3	119.0	119.0	116.4	100.1	115.1	80.6	123.7	123.7	117.2	117.2	110.9	110.9	108.0	92.9	106.7	74.7
11500	72	156.3	109.4	154.4	86.5	150.4	63.2	-	-	-	-	146.4	104.0	145.5	81.5	141.4	59.4	-	-	-	-
	67	144.0	131.1	142.7	108.5	141.4	86.2	137.7	63.3	-	-	134.4	123.6	133.9	103.1	133.1	81.2	129.5	59.6	-	-
	62	138.8	138.8	131.9	129.2	130.4	106.9	128.9	85.1	125.6	62.8	131.8	131.8	125.0	122.5	122.3	101.5	121.4	80.1	118.4	59.2
	57	137.2	137.2	130.1	130.1	123.2	123.2	119.0	105.9	117.8	84.8	130.1	130.1	123.3	123.3	116.7	116.7	111.3	100.1	111.0	79.9

BHC Residential & Light Commercial LLC

Airflow performance tables

Table 35: KS15 and KK15 (15 ton) side duct

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
	Standard 3 HP and drive										Medium static 5 HP and drive								High static 7.5 HP and drive	
3,900	638	0.98	729	1.31	805	1.67	871	2.03	931	2.41	986	2.78	1,039	3.15	1,091	3.51	1143	3.86	1,195	4.18
4,200	663	1.17	751	1.51	825	1.86	890	2.23	948	2.60	1,003	2.98	1,055	3.35	1,106	3.71	1,157	4.05	1,209	4.37
4,500	690	1.40	775	1.73	847	2.09	910	2.45	967	2.83	1,021	3.2	1,072	3.57	1,122	3.93	1,173	4.28	1,224	4.60
4,800	718	1.66	800	1.99	869	2.35	931	2.71	987	3.09	1,040	3.46	1,090	3.83	1,140	4.19	1,189	4.54	1,240	4.86
5,100	747	1.95	826	2.29	893	2.64	953	3.01	1,008	3.38	1,060	3.76	1,109	4.13	1,158	4.49	1,207	4.83	1,256	5.15
5,400	776	2.28	852	2.61	918	2.97	977	3.33	1,031	3.71	1,081	4.08	1,130	4.45	1,177	4.81	1,225	5.16	1,274	5.48
5,700	807	2.64	880	2.98	944	3.33	1,001	3.70	1,054	4.07	1,103	4.45	1,151	4.82	1,198	5.18	1,245	5.52	1,293	5.84
6,000	838	3.04	909	3.37	971	3.73	1,026	4.09	1,078	4.47	1,126	4.84	1,173	5.21	1,219	5.57	1,265	5.92	1,313	6.24
6,300	869	3.47	938	3.81	998	4.16	1,052	4.53	1,102	4.9	1,150	5.28	1,196	5.65	1,241	6.01	1,286	6.35	1,333	6.67
6,600	901	3.95	968	4.28	1,026	4.63	1,079	5.00	1,128	5.38	1,174	5.75	1,219	6.12	1,263	6.48	1,308	6.82	1,354	7.15
6,900	934	4.46	998	4.79	1,055	5.15	1,106	5.51	1,154	5.89	1,199	6.26	1,243	6.63	1,287	6.99	1,331	7.34	1,376	7.66
7,200	966	5.01	1,028	5.34	1,084	5.70	1,134	6.06	1,180	6.44	1,225	6.81	1,268	7.18	1,310	7.54	1,354	7.89	1,398	8.21
7,500	999	5.60	1,059	5.93	1,113	6.29	1,162	6.65	1,207	7.03	1,250	7.40	1,293	7.77	1,335	8.13	1,377	8.48	1,421	8.80
													High Static 10 HP and Field Supplied Drive							

Note:

- Blower performance includes gas heat exchangers and 2 in. filters. See the static resistance table for additional applications.
- See RPM selection table to determine desired motor sheave setting and to determine the maximum continuous bhp.
- kW = bhp x 0.833

Table 36: KS18 and KK18 (17.5 ton) side duct

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
	Standard static 5 HP and drive												Med static 7.5 HP and drive						High static 10 HP and drive	
4,680	707	1.55	790	1.89	860	2.24	922	2.61	979	2.98	1,032	3.36	1,083	3.73	1,133	4.09	1,182	4.43	1,233	4.75
5,040	741	1.89	820	2.23	888	2.58	949	2.95	1,004	3.32	1,056	3.69	1,106	4.07	1,154	4.43	1,203	4.77	1,253	5.09
5,400	776	2.28	852	2.61	918	2.97	977	3.33	1,031	3.71	1,081	4.08	1,130	4.45	1,177	4.81	1,225	5.16	1,274	5.48
5,760	813	2.72	886	3.05	949	3.41	1,006	3.77	1,058	4.15	1,108	4.52	1,155	4.89	1,202	5.25	1,249	5.6	1,297	5.92
6,120	850	3.21	920	3.54	982	3.9	1,037	4.26	1,087	4.64	1,135	5.01	1,182	5.38	1,228	5.74	1,274	6.09	1,321	6.41
6,480	889	3.75	956	4.09	1,015	4.44	1,068	4.81	1,118	5.18	1,164	5.56	1,210	5.93	1,254	6.29	1,299	6.63	1,346	6.95
6,840	927	4.35	992	4.69	1,049	5.04	1,101	5.41	1,149	5.78	1,194	6.16	1,238	6.53	1,282	6.89	1,326	7.23	1,371	7.55
7,200	966	5.01	1,028	5.34	1,084	5.7	1,134	6.06	1,180	6.44	1,225	6.81	1,268	7.18	1,310	7.54	1,354	7.89	1,398	8.21
7,560	1,005	5.72	1,065	6.05	1,119	6.41	1,167	6.78	1,212	7.15	1,256	7.52	1,298	7.89	1,340	8.25	1,382	8.6	1,425	8.92
7,920	1,044	6.49	1,102	6.83	1,154	7.18	1,201	7.55	1,245	7.92	1,287	8.3	1,328	8.67	1,369	9.03	1,410	9.37	1,453	9.69
8,280	1,083	7.32	1,139	7.66	1,189	8.01	1,235	8.38	1,278	8.75	1,319	9.13	1,359	9.5	1,399	9.86	1,439	10.2	1,481	10.5
8,640	1,122	8.22	1,176	8.55	1,224	8.91	1,269	9.27	1,310	9.65	1,350	10	1,390	10.4	1,429	10.8	1,469	11.1	-	-
9,000	1,160	9.18	1,212	9.51	1,259	9.87	1,302	10.2	1,343	10.6	1,382	11	-	-	-	-	-	-	-	-
							High Static 12 HP and Field Supplied Drive													

Note:

- Blower performance includes gas heat exchangers and 2 in. filters. See static resistance table for additional applications.
- See RPM selection table to determine the necessary motor sheave setting and to determine the maximum continuous bhp.
- kW = bhp x 0.833

Table 37: KS20 and KK20 (20 ton) side duct

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
	Standard Static 5 HP and Drive												Medium Static 7.5 HP and Drive						High Static 10 HP and Drive	
5,200	739	1.33	835	2.02	916	2.62	987	3.15	1,050	3.63	1,109	4.09	1,164	4.54	1,217	5	1,269	5.5	1,321	6.06
5,600	779	1.72	871	2.42	949	3.02	1,017	3.55	1,079	4.03	1,136	4.48	1,190	4.93	1,242	5.4	1,293	5.9	1,344	6.46
6,000	818	2.14	906	2.84	981	3.44	1,047	3.97	1,107	4.45	1,163	4.9	1,216	5.35	1,267	5.82	1,317	6.32	1,367	6.88
6,400	857	2.59	941	3.28	1,013	3.88	1,077	4.41	1,136	4.89	1,190	5.35	1,242	5.79	1,292	6.26	1,341	6.76	1,390	7.32
6,800	895	3.05	975	3.75	1,045	4.35	1,108	4.88	1,165	5.36	1,218	5.81	1,268	6.26	1,317	6.72	1,365	7.23	1,414	7.79
7,200	932	3.55	1,009	4.24	1,077	4.84	1,138	5.37	1,194	5.85	1,245	6.31	1,295	6.76	1,343	7.22	1,390	7.72	1,438	8.28
7,600	969	4.07	1,044	4.77	1,109	5.37	1,168	5.9	1,223	6.38	1,273	6.83	1,322	7.28	1,369	7.75	1,415	8.25	1,462	8.81
8,000	1,006	4.64	1,078	5.33	1,142	5.93	1,199	6.46	1,252	6.94	1,301	7.4	1,349	7.85	1,395	8.31	1,441	8.81	1,487	9.37
8,400	1,042	5.24	1,112	5.93	1,174	6.53	1,230	7.06	1,282	7.55	1,330	8.00	1,376	8.45	1,422	8.91	1,466	9.41	-	-
8,800	1,079	5.89	1,147	6.58	1,207	7.18	1,262	7.71	1,312	8.19	1,359	8.65	1,405	9.09	1,449	9.56	1,493	10.1	-	-
9,200	1,116	6.58	1,182	7.28	1,240	7.88	1,293	8.41	1,342	8.89	1,389	9.34	1,433	9.79	1,477	10.3	-	-	-	-
9,600	1,154	7.34	1,217	8.03	1,274	8.63	1,326	9.16	1,374	9.64	1,419	10.1	1,463	10.5	-	-	-	-	-	-
10,000	1,192	8.15	1,253	8.84	1,308	9.44	1,359	9.97	1,406	10.5	1,450	10.9	-	-	-	-	-	-	-	-
					High Static 12 HP and Field Supplied Drive															

Note:

- Blower performance includes gas heat exchangers and 2 in. filters. See static resistance table for additional applications.
- See rpm selection table to determine the necessary motor sheave setting and to determine the maximum continuous bhp.
- kW = bhp x 0.833

Table 38: KS25 and KK25 (25 ton) side duct

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
	Standard Static 7.5 HP and Drive												Medium Static 10 HP and Drive						High Static 12 HP and Drive	
6,500	866	2.74	949	3.45	1,021	4.06	1,085	4.6	1,143	5.09	1,197	5.55	1,248	6	1,298	6.47	1,347	6.98	1,396	7.55
7,000	913	3.35	992	4.05	1,061	4.66	1,123	5.2	1,179	5.69	1,231	6.15	1,281	6.61	1,330	7.08	1,378	7.59	1,426	8.16
7,500	960	4.00	1,035	4.71	1,101	5.32	1,161	5.86	1,215	6.34	1,266	6.81	1,315	7.26	1,362	7.73	1,409	8.24	1,456	8.81
8,000	1,006	4.71	1,078	5.41	1,142	6.03	1,199	6.56	1,252	7.05	1,301	7.51	1,349	7.97	1,395	8.44	1,441	8.95	1,487	9.52
8,500	1,052	5.48	1,121	6.19	1,182	6.8	1,238	7.34	1,289	7.83	1,337	8.29	1,383	8.74	1,428	9.21	1,473	9.72	-	-
9,000	1,098	6.33	1,164	7.03	1,224	7.64	1,277	8.18	1,327	8.67	1,374	9.13	1,419	9.59	1,463	10.1	1,506	10.6	-	-
9,500	1,144	7.26	1,208	7.96	1,266	8.57	1,318	9.11	1,366	9.6	1,411	10.1	1,455	10.5	1,498	11	-	-	-	-
10,000	1,192	8.28	1,253	8.98	1,308	9.59	1,359	10.1	1,406	10.6	1,450	11.1	1,493	11.5	-	-	-	-	-	-
10,500	1,240	9.40	1,299	10.1	1,352	10.7	1,401	11.3	1,447	11.7	-	-	-	-	-	-	-	-	-	-
11,000	1,289	10.60	1,346	11.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11,500	1,339	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12,500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note:

- Blower performance includes gas heat exchangers and 2 in. filters. See the static resistance table for additional applications.
- See rpm selection table to determine necessary motor sheave setting and to determine the maximum continuous bhp.
- kW = bhp x 0.820

RPM selection and static resistance tables

Table 39: RPM selection

Model	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
15	3.0	2.30	1VP40	1B5V68	690	731	772	814	855	896	937
	5.0	3.45	1VM50	1B5V70	911	951	991	1031	1071	1111	1151
	7.5	5.75	1VP60	1B5V80	1015	1058	1102	1145	1188	1232	1275
17.5	5.0	3.45	1VP56	1B5V86	865	898	931	964	996	1029	1062
	7.5	5.75	1VP60	1B5V80	991	1033	1075	1118	1160	1202	1244
	10.0	8.63	1VP65	1B5V80	1123	1166	1210	1253	1296	1340	1383
20	5.0	5.75	1VP60	1B5V90	884	922	959	997	1035	1072	1110
	7.5	8.63	1VP65	1B5V86	1046	1086	1126	1167	1207	1247	1287
	10.0	11.50	1VP60	1B5V70	1158	1207	1257	1306	1355	1405	1454
25	7.5	5.75	1VP65	1B5V90	1000	1039	1077	1116	1154	1193	1231
	10.0	8.63	1VP60	1B5V70	1158	1207	1257	1306	1355	1405	1454
	12.0	11.50	1VP71	1B5V80	1253	1296	1339	1383	1426	1469	1512

Note:

- For cooling only models, add the cooling only value to the available static resistance in the respective blower performance tables.
- For models with electric heat, add the electric heat value for your heater size to the available static resistance in the respective blower performance tables.
- If the unit contains a reheat coil or economizer, deduct the corresponding value from the available external static pressure shown in the respective blower performance tables.
- 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.

Table 40: Additional static resistance

Model	CFM	Cooling only [1,1]	Reheat coil [2,2]	Economizer [2,3,3]	Electric heat kW[1]			4 in. MERV 13	2 in. MERV 8	2 in. MERV 13
					25	50	75			
KS15 and KK15 KS18 and KK18	4000	0.09	0.03	0.01	0.00	0.01	0.02	0.05	0.05	0.05
	5000	0.11	0.05	0.02	0.03	0.03	0.04	0.06	0.05	0.06
	6000	0.15	0.06	0.07	0.04	0.04	0.05	0.07	0.06	0.07
	7000	0.20	0.07	0.11	0.05	0.06	0.07	0.09	0.07	0.09
	8000	0.28	0.09	0.14	0.07	0.08	0.09	0.12	0.09	0.12
	9000	0.38	0.10	0.15	0.09	0.10	0.11	0.14	0.11	0.14
	10000	0.49	0.11	0.16	0.12	0.13	0.14	0.18	0.13	0.18
KS20 and KK20 KS25 and KK25	7000	0.20	0.04	0.11	0.05	0.06	0.07	0.07	0.06	0.07
	8000	0.28	0.06	0.13	0.07	0.08	0.09	0.09	0.07	0.09
	9000	0.38	0.07	0.16	0.09	0.10	0.11	0.10	0.08	0.10
	10000	0.49	0.08	0.19	0.12	0.13	0.14	0.13	0.09	0.13
	11000	0.60	0.10	0.23	0.18	0.20	0.22	0.15	0.11	0.15
	12000	0.70	0.11	0.28	0.26	0.29	0.32	0.18	0.13	0.18
	13000	0.76	0.13	0.34	0.38	0.41	0.45	0.21	0.14	0.21
	14000	0.80	0.14	0.43	0.51	0.56	0.60	0.24	0.17	0.24

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.

Selecting the drive

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

Example:

1. 5100 CFM
2. 0.8 iwg
3. Using the supply air blower performance table below, the following data point was located: 953 rpm and 3.01 bhp.
4. Using the rpm selection table below, Size X and Model Y are found.
5. 3.01 bhp does not exceed the maximum continuous bhp rating of any of the three motor options, so all three motors are still eligible for selection.
6. 953 rpm falls within the range of the 5 hp drive.
7. Using the 5 hp motor, 4.9 turns open achieves 953 rpm.

Table 41: Example supply air blower performance

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	bhp	rpm	bhp
	Standard 3 HP and drive								Medium static 5 HP and drive								High static 7.5 HP and drive		
4500	690	1.40	775	1.73	847	2.09	910	2.45	967	2.83	1021	3.2	1072	3.57	1122	3.93	4.278	1224	4.6
4890	718	1.66	800	1.99	869	2.35	931	271	978	3.09	1040	3.46	1090	3.83	1140	4.19	4.537	1240	4.86
5100	747	1.95	826	2.29	893	2.64	953	3.01	1008	3.38	1060	3.76	1109	4.13	1158	4.49	4.83	1256	5.15
5400	776	2.28	852	2.61	918	2.97	977	3.33	1031	3.71	1081	4.08	1130	4.45	1177	4.81	5.157	1274	5.48
															High static 7.5 HP and field supplied drive				

1 Blower performance includes gas heat exchangers and 2-inch filters. See the Static resistance table for additional applications. See the RPM selection table to determine the required motor sheave setting and to determine the maximum continuous BHP. kW = BHP x 0.833

Table 42: Example RPM selection

Size (ton)	Model	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
15	KS/ KK	3	2.3	1VP40	1B5V68	690	731	772	814	855	896	937
		5	3.45	1VP40	1B5V70	911	951	991	1031	1071	1111	1151
		7.5	5.75	1VP60	1B5V80	1015	1058	1102	1145	1188	1232	1275

Airflow specifications

Table 43: Altitude/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

Figure 8: Altitude/temperature correction factors

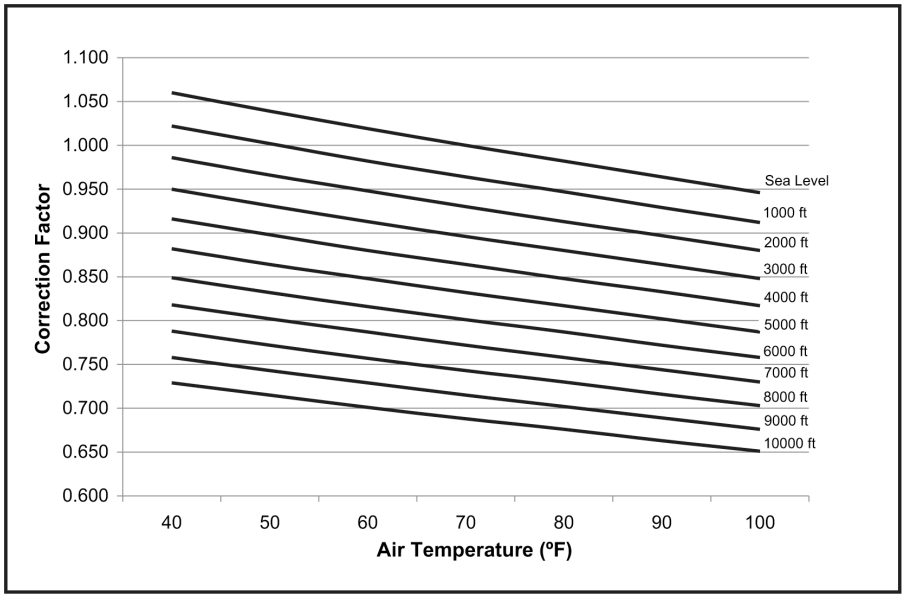


Table 44: Gas heat allowable air flow

Unit		Supply air (CFM)	
Size (ton)	Heat size	Minimum	Maximum
KS15 and KK15 (15)	S1	3750	7500
	S3	4770	7500
	T3	4500	7500
KS18 and KK18 (17.5)	S1	3750	8750
	S3	4770	8750
	T3	4500	8750
KS20 and KK20 (20)	S1	4290	10000
	S3	5830	10000
	T3	5000	10000
KS25 and KK25 (25)	S1	4290	11500
	S3	5830	11500
	T3	5000	11500

⚠ CAUTION

For units with VFD and staged gas heat, the speed of the indoor blower motor continues to be controlled by duct static pressure through the VAV control board. If there are VAV boxes present in the duct system, the boxes must be driven to the full-open position using a customer-supplied power source to ensure adequate airflow across the gas heat furnace.

Table 45: Electric heat minimum air flow requirements

Size (ton)	Heat size		
	25 kW	50 kW	75 kW
15	4500	4500	4500
17.5	5250	5250	5250
20	6000	6000	6000
25	7500	7500	7500

ⓘ **Note:** Minimum airflow requirements (up to 2 in. external static)

⚠ CAUTION

For units with VFD and electric heat, the speed of the indoor blower motor continues to be controlled by duct static pressure through the VAV control board. If there are VAV boxes present in the duct system, the boxes must be driven to the full-open position using a customer-supplied power source to ensure adequate airflow across the electric heating elements.

Table 46: 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.)	Blower sheave	
15	KS/ KK	3.0	1749	0.82	1.15	56	2.3 - 3.1	7/8	1VP40	6.8	1 7/16	1B5V68	BX40
		5.0	1726	0.80	1.15	145T	3.7 - 4.7	7/8	1VM50	7.0	1 7/16	1B5V70	BX40
		7.5	1766	0.91	1.15	213T	4.7 - 5.9	1 3/8	1VP60	8.1	1 7/16	1B5V80	BX43
17.5	KS/ KK	5.0	1726	0.80	1.15	145T	3.9 - 4.7	7/8	1VP56	8.7	1 7/16	1B5V86	BX43
		7.5	1766	0.91	1.15	213T	4.7 - 5.9	1 3/8	1VP60	8.3	1 7/16	1B5V80	BX43
		10.0	1768	0.92	1.15	215T	4.8 - 6.0	1 3/8	1VP65	8.1	1 7/16	1B5V80	5VX450
20	KS/ KK	5.0	1726	0.80	1.15	145T	4.3 - 5.5	7/8	1VP60	9.3	1 7/16	1B5V90	BX43
		7.5	1766	0.91	1.15	213T	4.8 - 6.0	1 3/8	1VP65	8.7	1 7/16	1B5V86	BX43
		10.0	1768	0.92	1.15	215T	4.7 - 5.9	1 3/8	1VP60	7.1	1 7/16	1B5V70	5VX450
25	KS/ KK	7.5	1766	0.91	1.15	213T	5.2 - 6.4	1 3/8	1VP65	9.1	1 7/16	1B5V90	5VX450
		10.0	1768	0.92	1.15	215T	4.7 - 5.9	1 3/8	1VP60	7.1	1 7/16	1B5V70	5VX450
		12.0	1760	0.92	1.15	215T	5.8 - 7 .0	1 3/8	1VP71	8.1	1 7/16	1B5V80	BX43

Table 47: Standard CFM constant volume power exhaust (208V, 230V, 460V, 575V) airflow

Motor speed	Available return static - IWG																	
	0.1			0.2			0.3			0.4			0.5			0.6		
	CFM	Watt	rpm	CFM	Watt	rpm	CFM	Watt	rpm	CFM	Watt	rpm	CFM	Watt	rpm	CFM	Watt	rpm
Low	2,412	879	997	2,286	850	1,018	2,177	803	1,037	2,020	764	1,059	1,934	734	1,068	1,835	720	1,073
Medium	2,518	940	1,037	2,343	887	1,055	2,221	844	1,071	2,112	813	1,083	2,017	789	1,092	1,865	736	1,104
High	2,701	1,058	1,082	2,506	1,020	1,095	2,376	980	1,104	2,247	943	1,110	2,132	893	1,116	1,990	858	1,124

ⓘ **Note:**

- The following values represent the maximum power exhaust capability (maximum motor speed at 10 VDC input signal from building pressure sensor [0 in. W.C. - 1 in. W.C., 0 VDC -10 VDC])
- Airflow, watts, and RPM modulate as building pressure fluctuates below 1 in. W.C.

Table 48: Standard CFM modulating power exhaust airflow

Motor speed	Available return static - IWG																							
	0.1			0.2			0.3			0.4			0.5			0.6			0.7			0.8		
	CFM	Watt	rpm	CFM	Watt	rpm	CFM	Watt	rpm	CFM	Watt	rpm	CFM	Watt	rpm	CFM	Watt	rpm	CFM	Watt	rpm	CFM	Watt	rpm
Max (10 VDC)	2959	1105	1152	2891	1120	1178	2875	1143	1237	2800	1169	1265	2770	1191	1305	2688	1223	1328	2666	1245	1360	2604	1270	1388

Table 49: Standard CFM modulating power exhaust airflow continued

Motor speed	Available return static - IWG																							
	0.9			1			1.1			1.2			1.3			1.4			1.5			1.6		
	CFM	Watt	rpm	CFM	Watt	rpm	CFM	Watt	rpm	CFM	Watt	rpm	CFM	Watt	rpm	CFM	Watt	rpm	CFM	Watt	rpm	CFM	Watt	rpm
Max (10 VDC)	2561	1293	1414	2530	1321	1417	2490	1335	1462	2427	1349	1493	2332	1376	1505	2202	1402	1510	2131	1418	1529	2119	1426	1565

Table 50: High CFM constant volume and modulating power exhaust (208V,230, 460, 575V) airflow - field-installed only

CFM	Available external static pressure - IWG													
	0.2		0.4		0.6		0.8		1		1.2		1.4	
	rpm	BHP	rpm	BHP	RPM	BHP	rpm	BHP	rpm	BHP	rpm	BHP	rpm	BHP
2500	-	-	-	-	852	0.95	933	1.24	1010	1.51	1087	1.77	1169	2.04
2750	-	-	-	-	861	1.06	941	1.35	1017	1.62	1094	1.88	1175	2.15
3000	-	-	-	-	872	1.19	951	1.49	1027	1.75	1103	2.01	1184	2.28
3250	-	-	-	-	887	1.35	965	1.64	1039	1.91	1115	2.17	1195	2.44
3500	-	-	-	-	906	1.52	982	1.82	1055	2.08	1130	2.34	1209	2.62
3750	-	-	843	1.39	928	1.73	1003	2.02	1075	2.28	1147	2.55	1225	2.82
4000	-	-	871	1.61	954	1.95	1027	2.24	1097	2.51	1168	2.77	-	-
4250	-	-	903	1.86	983	2.20	1054	2.49	1122	2.76	1192	3.02	-	-
4500	844	1.74	937	2.13	1015	2.47	1084	2.76	1150	3.03	1219	3.29	-	-
4750	885	2.04	974	2.43	1049	2.77	1116	3.06	1180	3.33	-	-	-	-
5000	928	2.36	1013	2.75	1085	3.09	1150	3.38	1213	3.65	-	-	-	-
5250	972	2.71	1054	3.10	1123	3.44	1186	3.73	-	-	-	-	-	-
5500	1017	3.08	1096	3.48	1162	3.81	-	-	-	-	-	-	-	-
5750	1063	3.49	1138	3.88	-	-	-	-	-	-	-	-	-	-
6000	1109	3.92	-	-	-	-	-	-	-	-	-	-	-	-

Table 51: Electric heat multipliers

Voltage		[1]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.

Sound performance tables

Table 52: Indoor sound performance

Size (tons)	CFM	Type	Sound power, dB (10^{-12}) watts							
			Octave band centerline frequency (Hz)							
			63	125	250	500	1000	2000	4000	8000
KS15 and KK15 (15)	6,000	Ducted discharge	91	85	80	73	71	70	68	62
		Ducted inlet	86	77	66	62	59	55	52	42
KS18 and KK18 (17.5)	7,000	Ducted discharge	93	87	82	76	74	73	71	65
		Ducted inlet	88	79	68	64	61	58	54	45
KS20 and KK20 (20)	8,000	Ducted discharge	95	90	86	79	77	75	74	69
		Ducted inlet	95	84	73	68	66	61	59	49
KS25 and KK25 (25)	10,000	Ducted discharge	98	94	91	84	82	80	79	73
		Ducted inlet	99	87	76	71	69	65	62	52

Note:

- Tested in accordance with AHRI 260-2017.
- Ratings include duct end correction E1.
- Ratings include compressor noise.

Table 53: Outdoor sound performance

Size (tons)	Sound power, dB (10^{-12}) watts								
	Sound rating dB (A)	Octave band centerline frequency (Hz)							
		63	125	250	500	1000	2000	4000	8000
KS15 and KK15 (15)	85.0	92.5	86.5	83.0	83.0	80.0	76.5	73.0	68.5
KS18 and KK18 (17.5)	82.0	95.0	88.0	80.0	77.5	76.5	74.0	71.5	67.5
KS20 and KK20 (20)	84.0	94.0	87.0	80.0	79.5	78.5	76.5	73.0	70.5
KS25 and KK25 (25)	86.0	92.5	87.5	84.5	84.0	81.0	78.0	74.0	71.0

Note:

- Tested in accordance with AHRI 370-2015.
- Ratings include compressor noise.

Electrical data tables

The following note applies to all electrical data tables.

- MCA = minimum circuit ampacity
- f/b = fuse/breaker
- Fuse is a dual element, time delay type
- Breaker is a HACR type per NEC

VFD 2 stage standard static

Table 54: KK15 to KK25 and KS15 to KS25 VFD 2 stage standard static without power exhaust (for side and end return)

Size (ton)	Nominal Unit Voltage	Comp. 1		Comp. 2		OD Fan Motors (each) FLA	Supply Blower Motor FLA	120V trans FLA	Electric Heat Option Field Installed Kit				MCA (A)	Max f/b Size (A)	Min Disconnect Rating		MCA w/ 120V trans (A)	Max f/b Size w/ 120V trans (A)	Min Disconnect Rating/ 120V trans	
		RLA	LRA	RLA	LRA				Model	kW	Stages	A			FLA	LRA			FLA	LRA
15 (15)	208-3-60	25.0	190	25.0	190	2.1	13.2	9.6	None	-	-	-	73.7	90	78	463	83.3	100	89	472
									2EH04532525	18.8	1	52.1	81.6	90	78	463	93.6	100	89	472
									2EH04535025	37.6	2	104.3	146.9	150	135	463	158.9	175	146	472
									2EH04537525	56.3	2	156.2	172.7	200	195	463	184.7	200	206	472
	230-3-60	25.0	190	25.0	190	2.1	13.2	8.7	None	-	-	-	73.7	90	78	471	82.4	100	88	479
									2EH04532525	23.0	1	57.7	88.6	90	82	471	99.5	100	92	479
									2EH04535025	45.9	2	115.2	160.5	175	148	471	171.4	175	158	479
									2EH04537525	68.9	2	172.9	189.4	225	214	471	200.3	225	224	479
	460-3-60	12.2	100	12.2	100	1.1	6.1	4.3	None	-	-	-	35.8	45	38	246	40.1	50	43	250
									2EH04532546	23.0	1	28.8	43.6	45	40	246	49.0	50	45	250
									2EH04535046	45.9	2	57.6	79.6	80	73	246	85.0	90	78	250
									2EH04537546	68.9	2	86.4	94.0	110	106	246	99.4	110	111	250
	575-3-60	9.3	72	9.3	72	0.9	4.9	3.5	None	-	-	-	27.6	35	29	188	31.1	40	33	192
									2EH04532558	23.0	1	23.0	34.9	35	32	188	39.3	40	36	192
									2EH04535058	45.9	2	46.0	63.6	70	59	188	68.0	70	63	192
									2EH04537558	68.9	2	69.1	75.2	90	85	188	79.6	90	89	192
18 (17.5)	208-3-60	28.7	207.5	28.5	255	2.0	20.4	9.6	None	-	-	-	92.8	110	98	583	102.4	125	109	593
									2EH04532525	18.8	1	52.1	92.8	110	98	583	102.6	125	109	593
									2EH04535025	37.6	2	104.3	155.9	175	143	583	167.9	175	154	593
									2EH04537525	56.3	2	156.2	181.7	200	203	583	193.7	200	214	593
	230-3-60	28.7	207.5	28.5	255	2.3	20.4	8.7	None	-	-	-	94.0	110	100	584	102.7	125	110	593
									2EH04532525	23.0	1	57.7	97.6	110	100	584	108.5	125	110	593
									2EH04535025	45.9	2	115.2	169.5	175	156	584	180.4	200	166	593
									2EH04537525	68.9	2	172.9	198.4	225	222	584	209.3	225	232	593
	460-3-60	12.4	100.2	13.5	123	1.3	9.9	4.3	None	-	-	-	44.4	50	47	286	48.7	60	52	290
									2EH04532546	23.0	1	28.8	48.4	50	47	286	53.8	60	52	290
									2EH04535046	45.9	2	57.6	84.4	90	78	286	89.8	90	83	290
									2EH04537546	68.9	2	86.4	98.8	110	111	286	104.2	110	116	290
	575-3-60	9.0	78	10.7	93.7	1.0	7.7	3.5	None	-	-	-	34.1	40	36	221	37.6	45	40	224
									2EH04532558	23.0	1	23.0	38.4	40	36	221	42.8	45	40	224
									2EH04535058	45.9	2	46.0	67.1	70	62	221	71.5	80	66	224
									2EH04537558	68.9	2	69.1	78.7	90	88	221	83.1	90	92	224

Table 54: KK15 to KK25 and KS15 to KS25 VFD 2 stage standard static without power exhaust (for side and end return)

Size (ton)	Nominal Unit Voltage	Comp. 1		Comp. 2		OD Fan Motors (each) FLA	Supply Blower Motor FLA	120V trans FLA	Electric Heat Option Field Installed Kit				MCA (A)	Max f/b Size (A)	Min Disconnect Rating		MCA w/ 120V trans (A)	Max f/b Size w/ 120V trans (A)	Min Disconnect Rating/ 120V trans	
		RLA	LRA	RLA	LRA				Model	kW	Stages	A			FLA	LRA			FLA	LRA
20 (20)	208-3-60	28.5	255	33.3	255	2.0	20.4	9.6	None	-	-	-	98.5	125	104	630	108.1	125	115	640
									2EH04532525	18.8	1	52.1	98.5	125	104	630	108.1	125	115	640
									2EH04535025	37.6	2	104.3	155.9	175	143	630	167.9	175	154	640
									2EH04537525	56.3	2	156.2	181.7	200	203	630	193.7	200	214	640
	230-3-60	28.5	255	33.3	255	2.3	20.4	8.7	None	-	-	-	99.7	125	105	632	108.4	125	115	640
									2EH04532525	23.0	1	57.7	99.7	125	105	632	108.5	125	115	640
									2EH04535025	45.9	2	115.2	169.5	175	156	632	180.4	200	166	640
									2EH04537525	68.9	2	172.9	198.4	225	222	632	209.3	225	232	640
	460-3-60	13.5	123	15.4	140	1.3	9.9	4.3	None	-	-	-	47.9	60	51	326	52.2	60	56	330
									2EH04532546	23.0	1	28.8	48.4	60	51	326	53.8	60	56	330
									2EH04535046	45.9	2	57.6	84.4	90	78	326	89.8	90	83	330
									2EH04537546	68.9	2	86.4	98.8	110	111	326	104.2	110	116	330
	575-3-60	10.7	93.7	12.9	107.6	1.0	7.7	3.5	None	-	-	-	38.5	50	41	251	42.0	50	45	254
									2EH04532558	23.0	1	23.0	38.5	50	41	251	42.8	50	45	254
									2EH04535058	45.9	2	46.0	67.1	70	62	251	71.5	80	66	254
									2EH04537558	68.9	2	69.1	78.7	90	88	251	83.1	90	92	254
25 (25)	208-3-60	41.0	304	41.0	304	2.0	30.0	9.6	None	-	-	-	130.3	150	138	755	139.9	175	149	765
									2EH04532525	18.8	1	52.1	130.3	150	138	755	139.9	175	149	765
									2EH04535025	37.6	2	104.3	167.9	175	154	755	179.9	200	165	765
									2EH04537525	56.3	2	156.2	193.7	200	214	755	205.7	225	225	765
	230-3-60	41.0	304	41.0	304	2.3	30.0	8.7	None	-	-	-	131.5	150	139	757	140.2	175	149	766
									2EH04532525	23.0	1	57.7	131.5	150	139	757	140.2	175	149	766
									2EH04535025	45.9	2	115.2	181.5	200	167	757	192.4	200	177	766
									2EH04537525	68.9	2	172.9	210.4	225	233	757	221.3	225	243	766
	460-3-60	19.2	147	19.2	147	1.3	14.3	4.3	None	-	-	-	62.7	80	67	370	67.0	80	72	375
									2EH04532546	23.0	1	28.8	62.7	80	67	370	67.0	80	72	375
									2EH04535046	45.9	2	57.6	89.9	90	83	370	95.3	100	88	375
									2EH04537546	68.9	2	86.4	104.3	110	116	370	109.7	110	121	375
	575-3-60	16.7	122	16.7	122	1.0	11.5	3.5	None	-	-	-	53.1	60	56	302	56.6	70	60	306
									2EH04532558	23.0	1	23.0	53.1	60	56	302	56.6	70	60	306
									2EH04535058	45.9	2	46.0	71.9	80	66	302	76.3	80	70	306
									2EH04537558	68.9	2	69.1	83.5	90	93	302	87.9	90	97	306

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Table 55: KK15 to KK25 VFD 2 stage standard static with on/off power exhaust (for end return only)

Size (ton)	Nominal Unit Voltage	Comp. 1		Comp. 2		OD Fan Motors (each) FLA	Supply Blower Motor FLA	Pwr Exh Motor FLA	120V trans FLA	Electric Heat Option Field Installed Kit				MCA (A)	Max f/b Size (A)	Min Disconnect Rating		MCA w/ 120V trans (A)	Max f/b Size w/ 120V trans (A)	Min Disconnect Rating/ 120V trans	
		RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
15 (15)	208-3-60	25.0	190	25.0	190	2.1	13.2	5.0	9.6	None	-	-	-	83.7	100	89	484	93.3	110	100	493
										2EH04532525	18.8	1	52.1	94.1	100	89	484	106.1	110	100	493
										2EH04535025	37.6	2	104.3	159.4	175	147	484	171.4	175	158	493
										2EH04537525	56.3	2	156.2	185.2	200	206	484	197.2	200	217	493
	230-3-60	25.0	190	25.0	190	2.1	13.2	5.0	8.7	None	-	-	-	83.7	100	89	492	92.4	110	99	500
										2EH04532525	23.0	1	57.7	101.1	110	93	492	112.0	125	103	500
										2EH04535025	45.9	2	115.2	173.0	175	159	492	183.9	200	169	500
										2EH04537525	68.9	2	172.9	201.9	225	226	492	212.8	225	236	500
	460-3-60	12.2	100	12.2	100	1.1	6.1	2.2	4.3	None	-	-	-	40.2	50	43	255	44.5	50	48	259
										2EH04532546	23.0	1	28.8	49.1	50	45	255	54.5	60	50	259
										2EH04535046	45.9	2	57.6	85.1	90	78	255	90.5	100	83	259
										2EH04537546	68.9	2	86.4	99.5	110	111	255	104.9	110	116	259
	575-3-60	9.3	72	9.3	72	0.9	4.9	1.5	3.5	None	-	-	-	30.6	35	33	194	34.1	40	37	198
										2EH04532558	23.0	1	23.0	38.6	40	36	194	43.0	45	40	198
										2EH04535058	45.9	2	46.0	67.4	70	62	194	71.8	80	66	198
										2EH04537558	68.9	2	69.1	79.0	90	89	194	83.4	90	93	198
18 (17.5)	208-3-60	28.7	207.5	28.5	255	2.0	20.4	5.0	9.6	None	-	-	-	102.8	125	110	604	112.4	125	121	614
										2EH04532525	18.8	1	52.1	103.1	125	110	604	115.1	125	121	614
										2EH04535025	37.6	2	104.3	168.4	175	155	604	180.4	200	166	614
										2EH04537525	56.3	2	156.2	194.2	200	215	604	206.2	225	226	614
	230-3-60	28.7	207.5	28.5	255	2.3	20.4	5.0	8.7	None	-	-	-	104.0	125	111	605	112.7	125	121	614
										2EH04532525	23.0	1	57.7	110.1	125	111	605	121.0	125	121	614
										2EH04535025	45.9	2	115.2	182.0	200	167	605	192.9	200	177	614
										2EH04537525	68.9	2	172.9	210.9	225	234	605	221.8	225	244	614
	460-3-60	12.4	100.2	13.5	123	1.3	9.9	2.2	4.3	None	-	-	-	48.8	60	52	295	53.1	60	57	299
										2EH04532546	23.0	1	28.8	53.9	60	52	295	59.3	60	57	299
										2EH04535046	45.9	2	57.6	89.9	90	83	295	95.3	100	88	299
										2EH04537546	68.9	2	86.4	104.3	110	116	295	109.7	110	121	299
	575-3-60	9.0	78	10.7	93.7	1.0	7.7	1.5	3.5	None	-	-	-	37.1	45	40	227	40.6	50	44	231
										2EH04532558	23.0	1	23.0	42.1	45	40	227	46.5	50	44	231
										2EH04535058	45.9	2	46.0	70.9	80	65	227	75.3	80	69	231
										2EH04537558	68.9	2	69.1	82.5	90	92	227	86.9	90	96	231
20 (20)	208-3-60	28.5	255	33.3	255	2.0	20.4	5.0	9.6	None	-	-	-	108.5	125	115	651	118.1	150	126	661
										2EH04532525	18.8	1	52.1	108.5	125	115	651	118.1	150	126	661
										2EH04535025	37.6	2	104.3	168.4	175	155	651	180.4	200	166	661
										2EH04537525	56.3	2	156.2	194.2	200	215	651	206.2	225	226	661
	230-3-60	28.5	255	33.3	255	2.3	20.4	5.0	8.7	None	-	-	-	109.7	125	117	653	118.4	150	127	661
										2EH04532525	23.0	1	57.7	110.1	125	117	653	121.0	150	127	661
										2EH04535025	45.9	2	115.2	182.0	200	167	653	192.9	200	177	661
										2EH04537525	68.9	2	172.9	210.9	225	234	653	221.8	225	244	661
	460-3-60	13.5	123	15.4	140	1.3	9.9	2.2	4.3	None	-	-	-	52.3	60	56	335	56.6	70	61	339
										2EH04532546	23.0	1	28.8	53.9	60	56	335	59.3	70	61	339
										2EH04535046	45.9	2	57.6	89.9	90	83	335	95.3	100	88	339
										2EH04537546	68.9	2	86.4	104.3	110	116	335	109.7	110	121	339
	575-3-60	10.7	93.7	12.9	107.6	1.0	7.7	1.5	3.5	None	-	-	-	41.5	50	44	257	45.0	50	48	260
										2EH04532558	23.0	1	23.0	42.1	50	44	257	46.5	50	48	260
										2EH04535058	45.9	2	46.0	70.9	80	65	257	75.3	80	69	260
										2EH04537558	68.9	2	69.1	82.5	90	92	257	86.9	90	96	260

Table 55: KK15 to KK25 VFD 2 stage standard static with on/off power exhaust (for end return only)

Size (ton)	Nominal Unit Voltage	Comp. 1		Comp. 2		OD Fan Motors (each) FLA	Supply Blower Motor FLA	Pwr Exh Motor FLA	120V trans FLA	Electric Heat Option Field Installed Kit				MCA (A)	Max f/b Size (A)	Min Disconnect Rating		MCA w/ 120V trans (A)	Max f/b Size w/ 120V trans (A)	Min Disconnect Rating/ 120V trans	
		RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
25 (25)	208-3-60	41.0	304	41.0	304	2.0	30.0	5.0	9.6	None	-	-	-	140.3	175	150	776	149.9	175	161	786
										2EH04532525	18.8	1	52.1	140.3	175	150	776	149.9	175	161	786
										2EH04535025	37.6	2	104.3	180.4	200	166	776	192.4	200	177	786
										2EH04537525	56.3	2	156.2	206.2	225	226	776	218.2	225	237	786
	230-3-60	41.0	304	41.0	304	2.3	30.0	5.0	8.7	None	-	-	-	141.5	175	151	778	150.2	175	161	787
										2EH04532525	23.0	1	57.7	141.5	175	151	778	150.2	175	161	787
										2EH04535025	45.9	2	115.2	194.0	200	178	778	204.9	225	188	787
										2EH04537525	68.9	2	172.9	222.9	250	245	778	233.8	250	255	787
	460-3-60	19.2	147	19.2	147	1.3	14.3	2.2	4.3	None	-	-	-	67.1	80	72	380	71.4	90	77	384
										2EH04532546	23.0	1	28.8	67.1	80	72	380	71.4	90	77	384
										2EH04535046	45.9	2	57.6	95.4	100	88	380	100.8	110	93	384
										2EH04537546	68.9	2	86.4	109.8	110	121	380	115.2	125	126	384
	575-3-60	16.7	122	16.7	122	1.0	11.5	1.5	3.5	None	-	-	-	56.1	70	60	308	59.6	70	64	312
										2EH04532558	23.0	1	23.0	56.1	70	60	308	59.6	70	64	312
										2EH04535058	45.9	2	46.0	75.6	80	70	308	80.0	90	74	312
										2EH04537558	68.9	2	69.1	87.2	90	96	308	91.6	100	100	312

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Table 56: KK15 to KK25 VFD 2 stage standard static with modulating power exhaust (for end return only)

Size (ton)	Nominal Unit Voltage	Comp. 1		Comp. 2		OD Fan Motors (each) FLA	Supply Blower Motor FLA	Pwr Exh Motor FLA	120V trans FLA	Electric Heat Option Field Installed Kit				MCA (A)	Max f/b Size (A)	Min Disconnect Rating		MCA w/ 120V trans (A)	Max f/b Size w/ 120V trans (A)	Min Disconnect Rating/ 120V trans	
		RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
15 (15)	208-3-60	25.0	190	25.0	190	2.1	13.2	6.7	9.6	None	-	-	-	87.1	110	93	476	96.7	110	104	486
										2EH04532525	18.8	1	52.1	98.4	110	93	476	110.4	125	104	486
										2EH04535025	37.6	2	104.3	163.6	175	151	476	175.6	200	162	486
										2EH04537525	56.3	2	156.2	189.5	200	210	476	201.5	225	221	486
	230-3-60	25.0	190	25.0	190	2.1	13.2	6.7	8.7	None	-	-	-	87.1	110	93	484	95.8	110	103	493
										2EH04532525	23.0	1	57.7	105.4	110	97	484	116.3	125	107	493
										2EH04535025	45.9	2	115.2	177.3	200	163	484	188.1	200	173	493
										2EH04537525	68.9	2	172.9	206.2	225	229	484	217.0	225	239	493
	460-3-60	12.2	100	12.2	100	1.1	6.1	3.4	4.3	None	-	-	-	42.6	50	45	253	46.9	50	50	257
										2EH04532546	23.0	1	28.8	52.1	60	48	253	57.5	60	53	257
										2EH04535046	45.9	2	57.6	88.1	90	81	253	93.5	100	86	257
										2EH04537546	68.9	2	86.4	102.5	110	114	253	107.9	110	119	257
	575-3-60	9.3	72	9.3	72	0.9	4.9	2.7	3.5	None	-	-	-	33.0	40	35	193	36.5	45	39	197
										2EH04532558	23.0	1	23.0	41.6	45	38	193	46.0	50	42	197
										2EH04535058	45.9	2	46.0	70.4	80	65	193	74.8	80	69	197
										2EH04537558	68.9	2	69.1	82.0	90	91	193	86.4	90	95	197
18 (17.5)	208-3-60	28.7	207.5	28.5	255	2.0	20.4	6.7	9.6	None	-	-	-	106.2	125	114	596	115.8	125	125	606
										2EH04532525	18.8	1	52.1	107.4	125	114	596	119.4	125	125	606
										2EH04535025	37.6	2	104.3	172.6	175	159	596	184.6	200	170	606
										2EH04537525	56.3	2	156.2	198.5	200	219	596	210.5	225	230	606
	230-3-60	28.7	207.5	28.5	255	2.3	20.4	6.7	8.7	None	-	-	-	107.4	125	115	598	116.1	125	125	606
										2EH04532525	23.0	1	57.7	114.4	125	115	598	125.3	150	125	606
										2EH04535025	45.9	2	115.2	186.3	200	171	598	197.1	200	181	606
										2EH04537525	68.9	2	172.9	215.2	225	238	598	226.0	250	248	606
	460-3-60	12.4	100.2	13.5	123	1.3	9.9	3.4	4.3	None	-	-	-	51.2	60	55	293	55.5	60	60	297
										2EH04532546	23.0	1	28.8	56.9	60	55	293	62.3	70	60	297
										2EH04535046	45.9	2	57.6	92.9	100	85	293	98.3	100	90	297
										2EH04537546	68.9	2	86.4	107.3	110	119	293	112.7	125	124	297
	575-3-60	9.0	78	10.7	93.7	1.0	7.7	2.7	3.5	None	-	-	-	39.5	50	42	226	43.0	50	46	230
										2EH04532558	23.0	1	23.0	45.1	50	42	226	49.5	50	46	230
										2EH04535058	45.9	2	46.0	73.9	80	68	226	78.3	80	72	230
										2EH04537558	68.9	2	69.1	85.5	90	95	226	89.9	90	99	230
20 (20)	208-3-60	28.5	255	33.3	255	2.0	20.4	6.7	9.6	None	-	-	-	111.9	125	119	644	121.5	150	130	653
										2EH04532525	18.8	1	52.1	111.9	125	119	644	121.5	150	130	653
										2EH04535025	37.6	2	104.3	172.6	175	159	644	184.6	200	170	653
										2EH04537525	56.3	2	156.2	198.5	200	219	644	210.5	225	230	653
	230-3-60	28.5	255	33.3	255	2.3	20.4	6.7	8.7	None	-	-	-	113.1	125	121	645	121.8	150	131	654
										2EH04532525	23.0	1	57.7	114.4	125	121	645	125.3	150	131	654
										2EH04535025	45.9	2	115.2	186.3	200	171	645	197.1	200	181	654
										2EH04537525	68.9	2	172.9	215.2	225	238	645	226.0	250	248	654
	460-3-60	13.5	123	15.4	140	1.3	9.9	3.4	4.3	None	-	-	-	54.7	70	58	332	59.0	70	63	337
										2EH04532546	23.0	1	28.8	56.9	70	58	332	62.3	70	63	337
										2EH04535046	45.9	2	57.6	92.9	100	85	332	98.3	100	90	337
										2EH04537546	68.9	2	86.4	107.3	110	119	332	112.7	125	124	337
	575-3-60	10.7	93.7	12.9	107.6	1.0	7.7	2.7	3.5	None	-	-	-	43.9	50	47	256	47.4	60	51	259
										2EH04532558	23.0	1	23.0	45.1	50	47	256	49.5	60	51	259
										2EH04535058	45.9	2	46.0	73.9	80	68	256	78.3	80	72	259
										2EH04537558	68.9	2	69.1	85.5	90	95	256	89.9	90	99	259

Table 56: KK15 to KK25 VFD 2 stage standard static with modulating power exhaust (for end return only)

Size (ton)	Nominal Unit Voltage	Comp. 1		Comp. 2		OD Fan Motors (each) FLA	Supply Blower Motor FLA	Pwr Exh Motor FLA	120V trans FLA	Electric Heat Option Field Installed Kit				MCA (A)	Max f/b Size (A)	Min Disconnect Rating		MCA w/ 120V trans (A)	Max f/b Size w/ 120V trans (A)	Min Disconnect Rating/ 120V trans	
		RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
25 (25)	208-3-60	41.0	304	41.0	304	2.0	30.0	6.7	9.6	None	-	-	-	143.7	175	153	769	153.3	175	164	778
										2EH04532525	18.8	1	52.1	143.7	175	153	769	153.3	175	164	778
										2EH04535025	37.6	2	104.3	184.6	200	170	769	196.6	200	181	778
										2EH04537525	56.3	2	156.2	210.5	225	230	769	222.5	225	241	778
	230-3-60	41.0	304	41.0	304	2.3	30.0	6.7	8.7	None	-	-	-	144.9	175	155	771	153.6	175	165	779
										2EH04532525	23.0	1	57.7	144.9	175	155	771	153.6	175	165	779
										2EH04535025	45.9	2	115.2	198.3	200	182	771	209.1	225	192	779
										2EH04537525	68.9	2	172.9	227.2	250	249	771	238.0	250	259	779
	460-3-60	19.2	147	19.2	147	1.3	14.3	3.4	4.3	None	-	-	-	69.5	80	74	377	73.8	90	79	381
										2EH04532546	23.0	1	28.8	69.5	80	74	377	73.8	90	79	381
										2EH04535046	45.9	2	57.6	98.4	100	91	377	103.8	110	95	381
										2EH04537546	68.9	2	86.4	112.8	125	124	377	118.2	125	129	381
	575-3-60	16.7	122	16.7	122	1.0	11.5	2.7	3.5	None	-	-	-	58.5	70	62	307	62.0	70	66	311
										2EH04532558	23.0	1	23.0	58.5	70	62	307	62.0	70	66	311
										2EH04535058	45.9	2	46.0	78.6	80	72	307	83.0	90	76	311
										2EH04537558	68.9	2	69.1	90.2	100	99	307	94.6	100	103	311

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VFD 2 stage medium static

Table 57: KK15 to KK25 and KS15 to KS25 VFD 2 stage medium static without power exhaust (for side and end return)

Size (ton)	Nominal Unit Voltage	Comp. 1		Comp. 2		OD Fan Motors (each) FLA	Supply Blower Motor FLA	120V trans FLA	Electric Heat Option Field Installed Kit				MCA (A)	Max f/b Size (A)	Min Disconnect Rating		MCA w/ 120V trans (A)	Max f/b Size w/ 120V trans (A)	Min Disconnect Rating/ 120V trans	
		RLA	LRA	RLA	LRA				Model	kW	Stages	A			FLA	LRA			FLA	LRA
15 (15)	208-3-60	25.0	190	25.0	190	2.1	20.4	9.6	None	-	-	-	80.9	100	86	493	90.5	110	97	502
									2EH04532525	18.8	1	52.1	90.6	100	86	493	102.6	110	97	502
									2EH04535025	37.6	2	104.3	155.9	175	143	493	167.9	175	154	502
									2EH04537525	56.3	2	156.2	181.7	200	203	493	193.7	200	214	502
	230-3-60	25.0	190	25.0	190	2.1	20.4	8.7	None	-	-	-	80.9	100	86	492	89.6	110	96	501
									2EH04532525	23.0	1	57.7	97.6	100	90	492	108.5	110	100	501
									2EH04535025	45.9	2	115.2	169.5	175	156	492	180.4	200	166	501
									2EH04537525	68.9	2	172.9	198.4	225	222	492	209.3	225	232	501
	460-3-60	12.2	100	12.2	100	1.1	9.9	4.3	None	-	-	-	39.6	50	42	257	43.9	50	47	261
									2EH04532546	23.0	1	28.8	48.4	50	45	257	53.8	60	49	261
									2EH04535046	45.9	2	57.6	84.4	90	78	257	89.8	90	83	261
									2EH04537546	68.9	2	86.4	98.8	110	111	257	104.2	110	116	261
	575-3-60	9.3	72	9.3	72	0.9	7.7	3.5	None	-	-	-	30.4	35	32	188	33.9	40	36	192
									2EH04532558	23.0	1	23.0	38.4	40	35	188	42.8	45	39	192
									2EH04535058	45.9	2	46.0	67.1	70	62	188	71.5	80	66	192
									2EH04537558	68.9	2	69.1	78.7	90	88	188	83.1	90	92	192
18 (17.5)	208-3-60	28.7	207.5	28.5	255	2.0	30.0	9.6	None	-	-	-	102.7	125	109	610	112.3	125	121	619
									2EH04532525	18.8	1	52.1	102.7	125	109	610	114.6	125	121	619
									2EH04535025	37.6	2	104.3	167.9	175	154	610	179.9	200	165	619
									2EH04537525	56.3	2	156.2	193.7	200	214	610	205.7	225	225	619
	230-3-60	28.7	207.5	28.5	255	2.3	30.0	8.7	None	-	-	-	103.9	125	111	612	112.6	125	121	620
									2EH04532525	23.0	1	57.7	109.6	125	111	612	120.5	125	121	620
									2EH04535025	45.9	2	115.2	181.5	200	167	612	192.4	200	177	620
									2EH04537525	68.9	2	172.9	210.4	225	233	612	221.3	225	243	620
	460-3-60	12.4	100.2	13.5	123	1.3	14.3	4.3	None	-	-	-	49.0	60	52	300	53.3	60	57	304
									2EH04532546	23.0	1	28.8	53.9	60	52	300	59.3	60	57	304
									2EH04535046	45.9	2	57.6	89.9	90	83	300	95.3	100	88	304
									2EH04537546	68.9	2	86.4	104.3	110	116	300	109.7	110	121	304
	575-3-60	9.0	78	10.7	93.7	1.0	11.5	3.5	None	-	-	-	38.1	45	40	230	41.6	50	45	233
									2EH04532558	23.0	1	23.0	43.1	45	40	230	47.5	50	45	233
									2EH04535058	45.9	2	46.0	71.9	80	66	230	76.3	80	70	233
									2EH04537558	68.9	2	69.1	83.5	90	93	230	87.9	90	97	233
20 (20)	208-3-60	28.5	255	33.3	255	2.0	30.0	9.6	None	-	-	-	108.1	125	115	657	117.7	150	126	667
									2EH04532525	18.8	1	52.1	108.1	125	115	657	117.7	150	126	667
									2EH04535025	37.6	2	104.3	167.9	175	154	657	179.9	200	165	667
									2EH04537525	56.3	2	156.2	193.7	200	214	657	205.7	225	225	667
	230-3-60	28.5	255	33.3	255	2.3	30.0	8.7	None	-	-	-	109.3	125	116	659	118.0	150	126	668
									2EH04532525	23.0	1	57.7	109.6	125	116	659	120.5	150	126	668
									2EH04535025	45.9	2	115.2	181.5	200	167	659	192.4	200	177	668
									2EH04537525	68.9	2	172.9	210.4	225	233	659	221.3	225	243	668
	460-3-60	13.5	123	15.4	140	1.3	14.3	4.3	None	-	-	-	52.3	60	56	339	56.6	70	61	344
									2EH04532546	23.0	1	28.8	53.9	60	56	339	59.3	70	61	344
									2EH04535046	45.9	2	57.6	89.9	90	83	339	95.3	100	88	344
									2EH04537546	68.9	2	86.4	104.3	110	116	339	109.7	110	121	344
	575-3-60	10.7	93.7	12.9	107.6	1.0	11.5	3.5	None	-	-	-	42.3	50	45	259	45.8	50	49	263
									2EH04532558	23.0	1	23.0	43.1	50	45	259	47.5	50	49	263
									2EH04535058	45.9	2	46.0	71.9	80	66	259	76.3	80	70	263
									2EH04537558	68.9	2	69.1	83.5	90	93	259	87.9	90	97	263

Table 57: KK15 to KK25 and KS15 to KS25 VFD 2 stage medium static without power exhaust (for side and end return)

Size (ton)	Nominal Unit Voltage	Comp. 1		Comp. 2		OD Fan Motors (each) FLA	Supply Blower Motor FLA	120V trans FLA	Electric Heat Option Field Installed Kit				MCA (A)	Max f/b Size (A)	Min Disconnect Rating		MCA w/ 120V trans (A)	Max f/b Size w/ 120V trans (A)	Min Disconnect Rating/ 120V trans	
		RLA	LRA	RLA	LRA				Model	kW	Stages	A			FLA	LRA			FLA	LRA
25 (25)	208-3-60	41.0	304	41.0	304	2.0	39.6	9.6	None	-	-	-	139.9	175	149	806	149.5	175	160	815
									2EH04532525	18.8	1	52.1	139.9	175	149	806	149.5	175	160	815
									2EH04535025	37.6	2	104.3	179.9	200	165	806	191.9	200	177	815
									2EH04537525	56.3	2	156.2	205.7	225	225	806	217.7	250	236	815
	230-3-60	41.0	304	41.0	304	2.3	39.6	8.7	None	-	-	-	141.1	175	150	808	149.8	175	160	816
									2EH04532525	23.0	1	57.7	141.1	175	150	808	149.8	175	160	816
									2EH04535025	45.9	2	115.2	193.5	200	178	808	204.4	225	188	816
									2EH04537525	68.9	2	172.9	222.4	250	244	808	233.3	250	254	816
	460-3-60	19.2	147	19.2	147	1.3	18.7	4.3	None	-	-	-	67.1	80	72	396	71.4	90	77	400
									2EH04532546	23.0	1	28.8	67.1	80	72	396	71.4	90	77	400
									2EH04535046	45.9	2	57.6	95.4	100	88	396	100.8	110	93	400
									2EH04537546	68.9	2	86.4	109.8	125	121	396	115.2	125	126	400
	575-3-60	16.7	122	16.7	122	1.0	14.2	3.5	None	-	-	-	55.8	70	59	325	59.3	70	63	328
									2EH04532558	23.0	1	23.0	55.8	70	59	325	59.3	70	63	328
									2EH04535058	45.9	2	46.0	75.3	80	69	325	79.6	80	73	328
									2EH04537558	68.9	2	69.1	86.9	100	96	325	91.2	100	100	328

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Table 58: KK15 to KK25 VFD 2 stage medium static with on/off power exhaust (for end return only)

Size (ton)	Nominal Unit Voltage	Comp. 1		Comp. 2		OD Fan Motors (each) FLA	Supply Blower Motor FLA	Pwr Exh Motor FLA	120V trans FLA	Electric Heat Option Field Installed Kit				MCA (A)	Max f/b Size (A)	Min Disconnect Rating		MCA w/ 120V trans (A)	Max f/b Size w/ 120V trans (A)	Min Disconnect Rating/ 120V trans	
		RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
15 (15)	208-3-60	25.0	190	25.0	190	2.1	20.4	5.0	9.6	None	-	-	-	90.9	110	97	514	100.5	125	108	523
										2EH04532525	18.8	1	52.1	103.1	110	97	514	115.1	125	108	523
										2EH04535025	37.6	2	104.3	168.4	175	155	514	180.4	200	166	523
										2EH04537525	56.3	2	156.2	194.2	200	215	514	206.2	225	226	523
	230-3-60	25.0	190	25.0	190	2.1	20.4	5.0	8.7	None	-	-	-	90.9	110	97	513	99.6	110	107	522
										2EH04532525	23.0	1	57.7	110.1	125	101	513	121.0	125	111	522
										2EH04535025	45.9	2	115.2	182.0	200	167	513	192.9	200	177	522
										2EH04537525	68.9	2	172.9	210.9	225	234	513	221.8	225	244	522
	460-3-60	12.2	100	12.2	100	1.1	9.9	2.2	4.3	None	-	-	-	44.0	50	47	266	48.3	60	52	270
										2EH04532546	23.0	1	28.8	53.9	60	50	266	59.3	60	55	270
										2EH04535046	45.9	2	57.6	89.9	90	83	266	95.3	100	88	270
										2EH04537546	68.9	2	86.4	104.3	110	116	266	109.7	110	121	270
	575-3-60	9.3	72	9.3	72	0.9	7.7	1.5	3.5	None	-	-	-	33.4	40	36	194	36.9	45	40	198
										2EH04532558	23.0	1	23.0	42.1	45	39	194	46.5	50	43	198
										2EH04535058	45.9	2	46.0	70.9	80	65	194	75.3	80	69	198
										2EH04537558	68.9	2	69.1	82.5	90	92	194	86.9	90	96	198
18 (17.5)	208-3-60	28.7	207.5	28.5	255	2.0	30.0	5.0	9.6	None	-	-	-	112.7	125	121	631	122.3	150	132	640
										2EH04532525	18.8	1	52.1	115.1	125	121	631	127.1	150	132	640
										2EH04535025	37.6	2	104.3	180.4	200	166	631	192.4	200	177	640
										2EH04537525	56.3	2	156.2	206.2	225	226	631	218.2	225	237	640
	230-3-60	28.7	207.5	28.5	255	2.3	30.0	5.0	8.7	None	-	-	-	113.9	125	122	633	122.6	150	132	641
										2EH04532525	23.0	1	57.7	122.1	125	122	633	133.0	150	132	641
										2EH04535025	45.9	2	115.2	194.0	200	178	633	204.9	225	188	641
										2EH04537525	68.9	2	172.9	222.9	250	245	633	233.8	250	255	641
	460-3-60	12.4	100.2	13.5	123	1.3	14.3	2.2	4.3	None	-	-	-	53.4	60	57	309	57.7	70	62	313
										2EH04532546	23.0	1	28.8	59.4	60	57	309	64.8	70	62	313
										2EH04535046	45.9	2	57.6	95.4	100	88	309	100.8	110	93	313
										2EH04537546	68.9	2	86.4	109.8	110	121	309	115.2	125	126	313
	575-3-60	9.0	78	10.7	93.7	1.0	11.5	1.5	3.5	None	-	-	-	41.1	50	44	236	44.6	50	48	240
										2EH04532558	23.0	1	23.0	46.9	50	44	236	51.3	60	48	240
										2EH04535058	45.9	2	46.0	75.6	80	70	236	80.0	90	74	240
										2EH04537558	68.9	2	69.1	87.2	90	96	236	91.6	100	100	240
20 (20)	208-3-60	28.5	255	33.3	255	2.0	30.0	5.0	9.6	None	-	-	-	118.1	150	126	678	127.7	150	137	688
										2EH04532525	18.8	1	52.1	118.1	150	126	678	127.7	150	137	688
										2EH04535025	37.6	2	104.3	180.4	200	166	678	192.4	200	177	688
										2EH04537525	56.3	2	156.2	206.2	225	226	678	218.2	225	237	688
	230-3-60	28.5	255	33.3	255	2.3	30.0	5.0	8.7	None	-	-	-	119.3	150	128	680	128.0	150	138	689
										2EH04532525	23.0	1	57.7	122.1	150	128	680	133.0	150	138	689
										2EH04535025	45.9	2	115.2	194.0	200	178	680	204.9	225	188	689
										2EH04537525	68.9	2	172.9	222.9	250	245	680	233.8	250	255	689
	460-3-60	13.5	123	15.4	140	1.3	14.3	2.2	4.3	None	-	-	-	56.7	70	61	349	61.0	70	66	353
										2EH04532546	23.0	1	28.8	59.4	70	61	349	64.8	70	66	353
										2EH04535046	45.9	2	57.6	95.4	100	88	349	100.8	110	93	353
										2EH04537546	68.9	2	86.4	109.8	110	121	349	115.2	125	126	353
	575-3-60	10.7	93.7	12.9	107.6	1.0	11.5	1.5	3.5	None	-	-	-	45.3	50	48	266	48.8	60	52	269
										2EH04532558	23.0	1	23.0	46.9	50	48	266	51.3	60	52	269
										2EH04535058	45.9	2	46.0	75.6	80	70	266	80.0	90	74	269
										2EH04537558	68.9	2	69.1	87.2	90	96	266	91.6	100	100	269

Table 58: KK15 to KK25 VFD 2 stage medium static with on/off power exhaust (for end return only)

Size (ton)	Nominal Unit Voltage	Comp. 1		Comp. 2		OD Fan Motors (each) FLA	Supply Blower Motor FLA	Pwr Exh Motor FLA	120V trans FLA	Electric Heat Option Field Installed Kit				MCA (A)	Max f/b Size (A)	Min Disconnect Rating		MCA w/ 120V trans (A)	Max f/b Size w/ 120V trans (A)	Min Disconnect Rating/ 120V trans	
		RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
25 (25)	208-3-60	41.0	304	41.0	304	2.0	39.6	5.0	9.6	None	-	-	-	149.9	175	161	827	159.5	200	172	836
										2EH04532525	18.8	1	52.1	149.9	175	161	827	159.5	200	172	836
										2EH04535025	37.6	2	104.3	192.4	200	177	827	204.4	225	188	836
										2EH04537525	56.3	2	156.2	218.2	250	237	827	230.2	250	248	836
	230-3-60	41.0	304	41.0	304	2.3	39.6	5.0	8.7	None	-	-	-	151.1	175	162	829	159.8	200	172	837
										2EH04532525	23.0	1	57.7	151.1	175	162	829	159.8	200	172	837
										2EH04535025	45.9	2	115.2	206.0	225	190	829	216.9	225	200	837
										2EH04537525	68.9	2	172.9	234.9	250	256	829	245.8	250	266	837
	460-3-60	19.2	147	19.2	147	1.3	18.7	2.2	4.3	None	-	-	-	71.5	90	77	405	75.8	90	82	409
										2EH04532546	23.0	1	28.8	71.5	90	77	405	75.8	90	82	409
										2EH04535046	45.9	2	57.6	100.9	110	93	405	106.3	110	98	409
										2EH04537546	68.9	2	86.4	115.3	125	126	405	120.7	125	131	409
	575-3-60	16.7	122	16.7	122	1.0	14.2	1.5	3.5	None	-	-	-	58.8	70	63	331	62.3	70	67	335
										2EH04532558	23.0	1	23.0	58.8	70	63	331	62.3	70	67	335
										2EH04535058	45.9	2	46.0	79.0	80	73	331	83.4	90	77	335
										2EH04537558	68.9	2	69.1	90.6	100	99	331	95.0	100	103	335

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Table 59: KK15 to KK25 VFD 2 stage medium static with modulating power exhaust (for end return only)

Size (ton)	Nominal Unit Voltage	Comp. 1		Comp. 2		OD Fan Motors (each) FLA	Supply Blower Motor FLA	Pwr Exh Motor FLA	120V trans FLA	Electric Heat Option Field Installed Kit				MCA (A)	Max f/b Size (A)	Min Disconnect Rating		MCA w/ 120V trans (A)	Max f/b Size w/ 120V trans (A)	Min Disconnect Rating/ 120V trans	
		RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
15 (15)	208-3-60	25.0	190	25.0	190	2.1	20.4	6.7	9.6	None	-	-	-	94.3	110	101	506	103.9	125	112	516
										2EH04532525	18.8	1	52.1	107.4	110	101	506	119.4	125	112	516
										2EH04535025	37.6	2	104.3	172.6	175	159	506	184.6	200	170	516
										2EH04537525	56.3	2	156.2	198.5	200	219	506	210.5	225	230	516
	230-3-60	25.0	190	25.0	190	2.1	20.4	6.7	8.7	None	-	-	-	94.3	110	101	505	103.0	125	111	514
										2EH04532525	23.0	1	57.7	114.4	125	105	505	125.3	150	115	514
										2EH04535025	45.9	2	115.2	186.3	200	171	505	197.1	200	181	514
										2EH04537525	68.9	2	172.9	215.2	225	238	505	226.0	250	248	514
	460-3-60	12.2	100	12.2	100	1.1	9.9	3.4	4.3	None	-	-	-	46.4	50	50	263	50.7	60	55	268
										2EH04532546	23.0	1	28.8	56.9	60	52	263	62.3	70	57	268
										2EH04535046	45.9	2	57.6	92.9	100	85	263	98.3	100	90	268
										2EH04537546	68.9	2	86.4	107.3	110	119	263	112.7	125	124	268
	575-3-60	9.3	72	9.3	72	0.9	7.7	2.7	3.5	None	-	-	-	35.8	45	39	193	39.3	45	43	197
										2EH04532558	23.0	1	23.0	45.1	50	42	193	49.5	50	46	197
										2EH04535058	45.9	2	46.0	73.9	80	68	193	78.3	80	72	197
										2EH04537558	68.9	2	69.1	85.5	90	95	193	89.9	90	99	197
18 (17.5)	208-3-60	28.7	207.5	28.5	255	2.0	30.0	6.7	9.6	None	-	-	-	116.1	125	125	623	125.7	150	136	633
										2EH04532525	18.8	1	52.1	119.4	125	125	623	131.4	150	136	633
										2EH04535025	37.6	2	104.3	184.6	200	170	623	196.6	200	181	633
										2EH04537525	56.3	2	156.2	210.5	225	230	623	222.5	225	241	633
	230-3-60	28.7	207.5	28.5	255	2.3	30.0	6.7	8.7	None	-	-	-	117.3	125	126	625	126.0	150	136	634
										2EH04532525	23.0	1	57.7	126.4	150	126	625	137.3	150	136	634
										2EH04535025	45.9	2	115.2	198.3	200	182	625	209.1	225	192	634
										2EH04537525	68.9	2	172.9	227.2	250	249	625	238.0	250	259	634
	460-3-60	12.4	100.2	13.5	123	1.3	14.3	3.4	4.3	None	-	-	-	55.8	70	60	306	60.1	70	65	311
										2EH04532546	23.0	1	28.8	62.4	70	60	306	67.8	70	65	311
										2EH04535046	45.9	2	57.6	98.4	100	91	306	103.8	110	95	311
										2EH04537546	68.9	2	86.4	112.8	125	124	306	118.2	125	129	311
	575-3-60	9.0	78	10.7	93.7	1.0	11.5	2.7	3.5	None	-	-	-	43.5	50	47	235	47.0	50	51	239
										2EH04532558	23.0	1	23.0	49.9	50	47	235	54.3	60	51	239
										2EH04535058	45.9	2	46.0	78.6	80	72	235	83.0	90	76	239
										2EH04537558	68.9	2	69.1	90.2	100	99	235	94.6	100	103	239
20 (20)	208-3-60	28.5	255	33.3	255	2.0	30.0	6.7	9.6	None	-	-	-	121.5	150	130	671	131.1	150	141	680
										2EH04532525	18.8	1	52.1	121.5	150	130	671	131.4	150	141	680
										2EH04535025	37.6	2	104.3	184.6	200	170	671	196.6	200	181	680
										2EH04537525	56.3	2	156.2	210.5	225	230	671	222.5	225	241	680
	230-3-60	28.5	255	33.3	255	2.3	30.0	6.7	8.7	None	-	-	-	122.7	150	132	673	131.4	150	142	681
										2EH04532525	23.0	1	57.7	126.4	150	132	673	137.3	150	142	681
										2EH04535025	45.9	2	115.2	198.3	200	182	673	209.1	225	192	681
										2EH04537525	68.9	2	172.9	227.2	250	249	673	238.0	250	259	681
	460-3-60	13.5	123	15.4	140	1.3	14.3	3.4	4.3	None	-	-	-	59.1	70	63	346	63.4	70	68	350
										2EH04532546	23.0	1	28.8	62.4	70	63	346	67.8	70	68	350
										2EH04535046	45.9	2	57.6	98.4	100	91	346	103.8	110	95	350
										2EH04537546	68.9	2	86.4	112.8	125	124	346	118.2	125	129	350
	575-3-60	10.7	93.7	12.9	107.6	1.0	11.5	2.7	3.5	None	-	-	-	47.7	60	51	265	51.2	60	55	268
										2EH04532558	23.0	1	23.0	49.9	60	51	265	54.3	60	55	268
										2EH04535058	45.9	2	46.0	78.6	80	72	265	83.0	90	76	268
										2EH04537558	68.9	2	69.1	90.2	100	99	265	94.6	100	103	268

Table 59: KK15 to KK25 VFD 2 stage medium static with modulating power exhaust (for end return only)

Size (ton)	Nominal Unit Voltage	Comp. 1		Comp. 2		OD Fan Motors (each) FLA	Supply Blower Motor FLA	Pwr Exh Motor FLA	120V trans FLA	Electric Heat Option Field Installed Kit				MCA (A)	Max f/b Size (A)	Min Disconnect Rating		MCA w/ 120V trans (A)	Max f/b Size w/ 120V trans (A)	Min Disconnect Rating/ 120V trans	
		RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
25 (25)	208-3-60	41.0	304	41.0	304	2.0	39.6	6.7	9.6	None	-	-	-	153.3	175	164	819	162.9	200	175	829
										2EH04532525	18.8	1	52.1	153.3	175	164	819	162.9	200	175	829
										2EH04535025	37.6	2	104.3	196.6	200	181	819	208.6	225	192	829
										2EH04537525	56.3	2	156.2	222.5	250	241	819	234.5	250	252	829
	230-3-60	41.0	304	41.0	304	2.3	39.6	6.7	8.7	None	-	-	-	154.5	175	166	821	163.2	200	176	830
										2EH04532525	23.0	1	57.7	154.5	175	166	821	163.2	200	176	830
										2EH04535025	45.9	2	115.2	210.3	225	193	821	221.1	225	203	830
										2EH04537525	68.9	2	172.9	239.2	250	260	821	250.0	250	270	830
	460-3-60	19.2	147	19.2	147	1.3	18.7	3.4	4.3	None	-	-	-	73.9	90	79	402	78.2	90	84	407
										2EH04532546	23.0	1	28.8	73.9	90	79	402	78.2	90	84	407
										2EH04535046	45.9	2	57.6	103.9	110	96	402	109.3	110	101	407
										2EH04537546	68.9	2	86.4	118.3	125	129	402	123.7	125	134	407
	575-3-60	16.7	122	16.7	122	1.0	14.2	2.7	3.5	None	-	-	-	61.2	70	66	330	64.7	80	70	334
										2EH04532558	23.0	1	23.0	61.2	70	66	330	64.7	80	70	334
										2EH04535058	45.9	2	46.0	82.0	90	75	330	86.4	90	79	334
										2EH04537558	68.9	2	69.1	93.6	100	102	330	98.0	110	106	334

BHC Residential & Light Commercial LLC

VFD 2 stage high static

Table 60: KK15 to KK25 and KS15 to KS25 VFD 2 stage high static without power exhaust (for side and end return)

Size (ton)	Nominal Unit Voltage	Comp. 1		Comp. 2		OD Fan Motors (each) FLA	Supply Blower Motor FLA	120V trans FLA	Electric Heat Option Field Installed Kit				MCA (A)	Max f/b Size (A)	Min Disconnect Rating		MCA w/ 120V trans (A)	Max f/b Size w/ 120V trans (A)	Min Disconnect Rating/ 120V trans	
		RLA	LRA	RLA	LRA				Model	kW	Stages	A			FLA	LRA			FLA	LRA
15 (15)	208-3-60	25.0	190	25.0	190	2.1	30.0	9.6	None	-	-	-	91.7	110	97	520	101.3	125	108	529
									2EH04532525	18.8	1	52.1	102.6	110	97	520	114.6	125	108	529
									2EH04535025	37.6	2	104.3	167.9	175	154	520	179.9	200	165	529
									2EH04537525	56.3	2	156.2	193.7	200	214	520	205.7	225	225	529
	230-3-60	25.0	190	25.0	190	2.1	30.0	8.7	None	-	-	-	91.7	110	97	520	100.4	125	107	528
									2EH04532525	23.0	1	57.7	109.6	125	101	520	120.5	125	111	528
									2EH04535025	45.9	2	115.2	181.5	200	167	520	192.4	200	177	528
									2EH04537525	68.9	2	172.9	210.4	225	233	520	221.3	225	243	528
	460-3-60	12.2	100	12.2	100	1.1	14.3	4.3	None	-	-	-	44.5	50	47	270	48.8	60	52	275
									2EH04532546	23.0	1	28.8	53.9	60	50	270	59.3	60	55	275
									2EH04535046	45.9	2	57.6	89.9	90	83	270	95.3	100	88	275
									2EH04537546	68.9	2	86.4	104.3	110	116	270	109.7	110	121	275
	575-3-60	9.3	72	9.3	72	0.9	11.5	3.5	None	-	-	-	34.8	45	37	197	38.3	45	41	200
									2EH04532558	23.0	1	23.0	43.1	45	40	197	47.5	50	44	200
									2EH04535058	45.9	2	46.0	71.9	80	66	197	76.3	80	70	200
									2EH04537558	68.9	2	69.1	83.5	90	93	197	87.9	90	97	200
18 (17.5)	208-3-60	28.7	207.5	28.5	255	2.0	39.6	9.6	None	-	-	-	114.7	150	121	660	124.3	150	132	670
									2EH04532525	18.8	1	52.1	114.7	150	121	660	126.6	150	132	670
									2EH04535025	37.6	2	104.3	179.9	200	165	660	191.9	200	177	670
									2EH04537525	56.3	2	156.2	205.7	225	225	660	217.7	250	236	670
	230-3-60	28.7	207.5	28.5	255	2.3	39.6	8.7	None	-	-	-	115.9	150	122	662	124.6	150	132	671
									2EH04532525	23.0	1	57.7	121.6	150	122	662	132.5	150	132	671
									2EH04535025	45.9	2	115.2	193.5	200	178	662	204.4	225	188	671
									2EH04537525	68.9	2	172.9	222.4	250	244	662	233.3	250	254	671
	460-3-60	12.4	100.2	13.5	123	1.3	18.7	4.3	None	-	-	-	54.5	70	57	325	58.8	70	62	329
									2EH04532546	23.0	1	28.8	59.4	70	57	325	64.8	70	62	329
									2EH04535046	45.9	2	57.6	95.4	100	88	325	100.8	110	93	329
									2EH04537546	68.9	2	86.4	109.8	125	121	325	115.2	125	126	329
	575-3-60	9.0	78	10.7	93.7	1.0	14.2	3.5	None	-	-	-	41.5	50	44	253	45.0	50	48	256
									2EH04532558	23.0	1	23.0	46.5	50	44	253	50.9	60	48	256
									2EH04535058	45.9	2	46.0	75.3	80	69	253	79.6	80	73	256
									2EH04537558	68.9	2	69.1	86.9	100	96	253	91.2	100	100	256
20 (20)	208-3-60	28.5	255	33.3	255	2.0	39.6	9.6	None	-	-	-	119.3	150	126	708	128.9	150	137	717
									2EH04532525	18.8	1	52.1	119.3	150	126	708	128.9	150	137	717
									2EH04535025	37.6	2	104.3	179.9	200	165	708	191.9	200	177	717
									2EH04537525	56.3	2	156.2	205.7	225	225	708	217.7	250	236	717
	230-3-60	28.5	255	33.3	255	2.3	39.6	8.7	None	-	-	-	120.5	150	127	710	129.2	150	137	718
									2EH04532525	23.0	1	57.7	121.6	150	127	710	132.5	150	137	718
									2EH04535025	45.9	2	115.2	193.5	200	178	710	204.4	225	188	718
									2EH04537525	68.9	2	172.9	222.4	250	244	710	233.3	250	254	718
	460-3-60	13.5	123	15.4	140	1.3	18.7	4.3	None	-	-	-	57.5	70	61	365	61.8	80	66	369
									2EH04532546	23.0	1	28.8	59.4	70	61	365	64.8	80	66	369
									2EH04535046	45.9	2	57.6	95.4	100	88	365	100.8	110	93	369
									2EH04537546	68.9	2	86.4	109.8	125	121	365	115.2	125	126	369
	575-3-60	10.7	93.7	12.9	107.6	1.0	14.2	3.5	None	-	-	-	45.4	50	48	282	48.9	60	52	286
									2EH04532558	23.0	1	23.0	46.5	50	48	282	50.9	60	52	286
									2EH04535058	45.9	2	46.0	75.3	80	69	282	79.6	80	73	286
									2EH04537558	68.9	2	69.1	86.9	100	96	282	91.2	100	100	286

Table 60: KK15 to KK25 and KS15 to KS25 VFD 2 stage high static without power exhaust (for side and end return)

Size (ton)	Nominal Unit Voltage	Comp. 1		Comp. 2		OD Fan Motors (each) FLA	Supply Blower Motor FLA	120V trans FLA	Electric Heat Option Field Installed Kit				MCA (A)	Max f/b Size (A)	Min Disconnect Rating		MCA w/ 120V trans (A)	Max f/b Size w/ 120V trans (A)	Min Disconnect Rating/ 120V trans	
		RLA	LRA	RLA	LRA				Model	kW	Stages	A			FLA	LRA			FLA	LRA
25 (25)	208-3-60	41.0	304	41.0	304	2.0	39.6	9.6	None	-	-	-	139.9	175	149	866	149.5	175	160	875
									2EH04532525	18.8	1	52.1	139.9	175	149	866	149.5	175	160	875
									2EH04535025	37.6	2	104.3	179.9	200	165	866	191.9	200	177	875
									2EH04537525	56.3	2	156.2	205.7	225	225	866	217.7	250	236	875
	230-3-60	41.0	304	41.0	304	2.3	39.6	8.7	None	-	-	-	141.1	175	150	868	149.8	175	160	876
									2EH04532525	23.0	1	57.7	141.1	175	150	868	149.8	175	160	876
									2EH04535025	45.9	2	115.2	193.5	200	178	868	204.4	225	188	876
									2EH04537525	68.9	2	172.9	222.4	250	244	868	233.3	250	254	876
	460-3-60	19.2	147	19.2	147	1.3	18.7	4.3	None	-	-	-	67.1	80	72	426	71.4	90	77	430
									2EH04532546	23.0	1	28.8	67.1	80	72	426	71.4	90	77	430
									2EH04535046	45.9	2	57.6	95.4	100	88	426	100.8	110	93	430
									2EH04537546	68.9	2	86.4	109.8	125	121	426	115.2	125	126	430
	575-3-60	16.7	122	16.7	122	1.0	14.2	3.5	None	-	-	-	55.8	70	59	344	59.3	70	63	348
									2EH04532558	23.0	1	23.0	55.8	70	59	344	59.3	70	63	348
									2EH04535058	45.9	2	46.0	75.3	80	69	344	79.6	80	73	348
									2EH04537558	68.9	2	69.1	86.9	100	96	344	91.2	100	100	348

Table 61: KK15 to KK25 VFD 2 stage high static with on/off power exhaust (for end return only)

Size (ton)	Nominal Unit Voltage	Comp. 1		Comp. 2		OD Fan Motors (each) FLA	Supply Blower Motor FLA	Pwr Exh Motor FLA	120V trans FLA	Electric Heat Option Field Installed Kit				MCA (A)	Max f/b Size (A)	Min Disconnect Rating		MCA w/ 120V trans (A)	Max f/b Size w/ 120V trans (A)	Min Disconnect Rating/ 120V trans	
		RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
15 (15)	208-3-60	25.0	190	25.0	190	2.1	30.0	5.0	9.6	None	-	-	-	101.7	125	108	541	111.3	125	119	550
										2EH04532525	18.8	1	52.1	115.1	125	108	541	127.1	150	119	550
										2EH04535025	37.6	2	104.3	180.4	200	166	541	192.4	200	177	550
										2EH04537525	56.3	2	156.2	206.2	225	226	541	218.2	225	237	550
	230-3-60	25.0	190	25.0	190	2.1	30.0	5.0	8.7	None	-	-	-	101.7	125	108	541	110.4	125	118	549
										2EH04532525	23.0	1	57.7	122.1	125	112	541	133.0	150	122	549
										2EH04535025	45.9	2	115.2	194.0	200	178	541	204.9	225	188	549
										2EH04537525	68.9	2	172.9	222.9	250	245	541	233.8	250	255	549
	460-3-60	12.2	100	12.2	100	1.1	14.3	2.2	4.3	None	-	-	-	48.9	60	52	280	53.2	60	57	284
										2EH04532546	23.0	1	28.8	59.4	60	55	280	64.8	70	60	284
										2EH04535046	45.9	2	57.6	95.4	100	88	280	100.8	110	93	284
										2EH04537546	68.9	2	86.4	109.8	110	121	280	115.2	125	126	284
	575-3-60	9.3	72	9.3	72	0.9	11.5	1.5	3.5	None	-	-	-	37.8	45	40	203	41.3	50	44	207
										2EH04532558	23.0	1	23.0	46.9	50	43	203	51.3	60	47	207
										2EH04535058	45.9	2	46.0	75.6	80	70	203	80.0	90	74	207
										2EH04537558	68.9	2	69.1	87.2	90	96	203	91.6	100	100	207
18 (17.5)	208-3-60	28.7	207.5	28.5	255	2.0	39.6	5.0	9.6	None	-	-	-	124.7	150	132	681	134.3	150	143	691
										2EH04532525	18.8	1	52.1	127.1	150	132	681	139.1	150	143	691
										2EH04535025	37.6	2	104.3	192.4	200	177	681	204.4	225	188	691
										2EH04537525	56.3	2	156.2	218.2	250	237	681	230.2	250	248	691
	230-3-60	28.7	207.5	28.5	255	2.3	39.6	5.0	8.7	None	-	-	-	125.9	150	133	683	134.6	150	143	692
										2EH04532525	23.0	1	57.7	134.1	150	133	683	145.0	150	143	692
										2EH04535025	45.9	2	115.2	206.0	225	190	683	216.9	225	200	692
										2EH04537525	68.9	2	172.9	234.9	250	256	683	245.8	250	266	692
	460-3-60	12.4	100.2	13.5	123	1.3	18.7	2.2	4.3	None	-	-	-	58.9	70	62	334	63.2	80	67	338
										2EH04532546	23.0	1	28.8	64.9	70	62	334	70.3	80	67	338
										2EH04535046	45.9	2	57.6	100.9	110	93	334	106.3	110	98	338
										2EH04537546	68.9	2	86.4	115.3	125	126	334	120.7	125	131	338
	575-3-60	9.0	78	10.7	93.7	1.0	14.2	1.5	3.5	None	-	-	-	44.5	50	47	259	48.0	60	51	263
										2EH04532558	23.0	1	23.0	50.3	60	47	259	54.6	60	51	263
										2EH04535058	45.9	2	46.0	79.0	80	73	259	83.4	90	77	263
										2EH04537558	68.9	2	69.1	90.6	100	99	259	95.0	100	103	263
20 (20)	208-3-60	28.5	255	33.3	255	2.0	39.6	5.0	9.6	None	-	-	-	129.3	150	137	729	138.9	175	148	738
										2EH04532525	18.8	1	52.1	129.3	150	137	729	139.1	175	148	738
										2EH04535025	37.6	2	104.3	192.4	200	177	729	204.4	225	188	738
										2EH04537525	56.3	2	156.2	218.2	250	237	729	230.2	250	248	738
	230-3-60	28.5	255	33.3	255	2.3	39.6	5.0	8.7	None	-	-	-	130.5	150	139	731	139.2	175	149	739
										2EH04532525	23.0	1	57.7	134.1	150	139	731	145.0	175	149	739
										2EH04535025	45.9	2	115.2	206.0	225	190	731	216.9	225	200	739
										2EH04537525	68.9	2	172.9	234.9	250	256	731	245.8	250	266	739
	460-3-60	13.5	123	15.4	140	1.3	18.7	2.2	4.3	None	-	-	-	61.9	80	66	374	66.2	80	71	378
										2EH04532546	23.0	1	28.8	64.9	80	66	374	70.3	80	71	378
										2EH04535046	45.9	2	57.6	100.9	110	93	374	106.3	110	98	378
										2EH04537546	68.9	2	86.4	115.3	125	126	374	120.7	125	131	378
	575-3-60	10.7	93.7	12.9	107.6	1.0	14.2	1.5	3.5	None	-	-	-	48.4	60	52	289	51.9	60	56	292
										2EH04532558	23.0	1	23.0	50.3	60	52	289	54.6	60	56	292
										2EH04535058	45.9	2	46.0	79.0	80	73	289	83.4	90	77	292
										2EH04537558	68.9	2	69.1	90.6	100	99	289	95.0	100	103	292

Table 61: KK15 to KK25 VFD 2 stage high static with on/off power exhaust (for end return only)

Size (ton)	Nominal Unit Voltage	Comp. 1		Comp. 2		OD Fan Motors (each) FLA	Supply Blower Motor FLA	Pwr Exh Motor FLA	120V trans FLA	Electric Heat Option Field Installed Kit				MCA (A)	Max f/b Size (A)	Min Disconnect Rating		MCA w/ 120V trans (A)	Max f/b Size w/ 120V trans (A)	Min Disconnect Rating/ 120V trans	
		RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
25 (25)	208-3-60	41.0	304	41.0	304	2.0	39.6	5.0	9.6	None	-	-	-	149.9	175	161	887	159.5	200	172	896
										2EH04532525	18.8	1	52.1	149.9	175	161	887	159.5	200	172	896
										2EH04535025	37.6	2	104.3	192.4	200	177	887	204.4	225	188	896
										2EH04537525	56.3	2	156.2	218.2	250	237	887	230.2	250	248	896
	230-3-60	41.0	304	41.0	304	2.3	39.6	5.0	8.7	None	-	-	-	151.1	175	162	889	159.8	200	172	897
										2EH04532525	23.0	1	57.7	151.1	175	162	889	159.8	200	172	897
										2EH04535025	45.9	2	115.2	206.0	225	190	889	216.9	225	200	897
										2EH04537525	68.9	2	172.9	234.9	250	256	889	245.8	250	266	897
	460-3-60	19.2	147	19.2	147	1.3	18.7	2.2	4.3	None	-	-	-	71.5	90	77	435	75.8	90	82	439
										2EH04532546	23.0	1	28.8	71.5	90	77	435	75.8	90	82	439
										2EH04535046	45.9	2	57.6	100.9	110	93	435	106.3	110	98	439
										2EH04537546	68.9	2	86.4	115.3	125	126	435	120.7	125	131	439
	575-3-60	16.7	122	16.7	122	1.0	14.2	1.5	3.5	None	-	-	-	58.8	70	63	350	62.3	70	67	354
										2EH04532558	23.0	1	23.0	58.8	70	63	350	62.3	70	67	354
										2EH04535058	45.9	2	46.0	79.0	80	73	350	83.4	90	77	354
										2EH04537558	68.9	2	69.1	90.6	100	99	350	95.0	100	103	354

Table 62: KK15 to KK25 VFD 2 stage high static with modulating power exhaust (for end return only)

Size (ton)	Nominal Unit Voltage	Comp. 1		Comp. 2		OD Fan Motors (each) FLA	Supply Blower Motor FLA	Pwr Exh Motor FLA	120V trans FLA	Electric Heat Option Field Installed Kit				MCA (A)	Max f/b Size (A)	Min Disconnect Rating		MCA w/ 120V trans (A)	Max f/b Size w/ 120V trans (A)	Min Disconnect Rating/ 120V trans	
		RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
15 (15)	208-3-60	25.0	190	25.0	190	2.1	30.0	6.7	9.6	None	-	-	-	105.1	125	112	533	114.7	125	123	543
										2EH04532525	18.8	1	52.1	119.4	125	112	533	131.4	150	123	543
										2EH04535025	37.6	2	104.3	184.6	200	170	533	196.6	200	181	543
										2EH04537525	56.3	2	156.2	210.5	225	230	533	222.5	225	241	543
	230-3-60	25.0	190	25.0	190	2.1	30.0	6.7	8.7	None	-	-	-	105.1	125	112	533	113.8	125	122	542
										2EH04532525	23.0	1	57.7	126.4	150	116	533	137.3	150	126	542
										2EH04535025	45.9	2	115.2	198.3	200	182	533	209.1	225	192	542
										2EH04537525	68.9	2	172.9	227.2	250	249	533	238.0	250	259	542
	460-3-60	12.2	100	12.2	100	1.1	14.3	3.4	4.3	None	-	-	-	51.3	60	55	277	55.6	60	60	281
										2EH04532546	23.0	1	28.8	62.4	70	57	277	67.8	70	62	281
										2EH04535046	45.9	2	57.6	98.4	100	91	277	103.8	110	95	281
										2EH04537546	68.9	2	86.4	112.8	125	124	277	118.2	125	129	281
	575-3-60	9.3	72	9.3	72	0.9	11.5	2.7	3.5	None	-	-	-	40.2	50	43	202	43.7	50	47	206
										2EH04532558	23.0	1	23.0	49.9	50	46	202	54.3	60	50	206
										2EH04535058	45.9	2	46.0	78.6	80	72	202	83.0	90	76	206
										2EH04537558	68.9	2	69.1	90.2	100	99	202	94.6	100	103	206
18 (17.5)	208-3-60	28.7	207.5	28.5	255	2.0	39.6	6.7	9.6	None	-	-	-	128.1	150	136	674	137.7	175	147	683
										2EH04532525	18.8	1	52.1	131.4	150	136	674	143.4	175	147	683
										2EH04535025	37.6	2	104.3	196.6	200	181	674	208.6	225	192	683
										2EH04537525	56.3	2	156.2	222.5	250	241	674	234.5	250	252	683
	230-3-60	28.7	207.5	28.5	255	2.3	39.6	6.7	8.7	None	-	-	-	129.3	150	137	676	138.0	175	147	684
										2EH04532525	23.0	1	57.7	138.4	150	137	676	149.3	175	147	684
										2EH04535025	45.9	2	115.2	210.3	225	193	676	221.1	225	203	684
										2EH04537525	68.9	2	172.9	239.2	250	260	676	250.0	250	270	684
	460-3-60	12.4	100.2	13.5	123	1.3	18.7	3.4	4.3	None	-	-	-	61.3	80	65	332	65.6	80	70	336
										2EH04532546	23.0	1	28.8	67.9	80	65	332	73.3	80	70	336
										2EH04535046	45.9	2	57.6	103.9	110	96	332	109.3	110	101	336
										2EH04537546	68.9	2	86.4	118.3	125	129	332	123.7	125	134	336
	575-3-60	9.0	78	10.7	93.7	1.0	14.2	2.7	3.5	None	-	-	-	46.9	60	50	258	50.4	60	54	262
										2EH04532558	23.0	1	23.0	53.3	60	50	258	57.6	60	54	262
										2EH04535058	45.9	2	46.0	82.0	90	75	258	86.4	90	79	262
										2EH04537558	68.9	2	69.1	93.6	100	102	258	98.0	110	106	262
20 (20)	208-3-60	28.5	255	33.3	255	2.0	39.6	6.7	9.6	None	-	-	-	132.7	150	141	721	142.3	175	152	731
										2EH04532525	18.8	1	52.1	132.7	150	141	721	143.4	175	152	731
										2EH04535025	37.6	2	104.3	196.6	200	181	721	208.6	225	192	731
										2EH04537525	56.3	2	156.2	222.5	250	241	721	234.5	250	252	731
	230-3-60	28.5	255	33.3	255	2.3	39.6	6.7	8.7	None	-	-	-	133.9	150	143	723	142.6	175	153	732
										2EH04532525	23.0	1	57.7	138.4	150	143	723	149.3	175	153	732
										2EH04535025	45.9	2	115.2	210.3	225	193	723	221.1	225	203	732
										2EH04537525	68.9	2	172.9	239.2	250	260	723	250.0	250	270	732
	460-3-60	13.5	123	15.4	140	1.3	18.7	3.4	4.3	None	-	-	-	64.3	80	69	371	68.6	80	73	376
										2EH04532546	23.0	1	28.8	67.9	80	69	371	73.3	80	73	376
										2EH04535046	45.9	2	57.6	103.9	110	96	371	109.3	110	101	376
										2EH04537546	68.9	2	86.4	118.3	125	129	371	123.7	125	134	376
	575-3-60	10.7	93.7	12.9	107.6	1.0	14.2	2.7	3.5	None	-	-	-	50.8	60	54	288	54.3	60	58	291
										2EH04532558	23.0	1	23.0	53.3	60	54	288	57.6	60	58	291
										2EH04535058	45.9	2	46.0	82.0	90	75	288	86.4	90	79	291
										2EH04537558	68.9	2	69.1	93.6	100	102	288	98.0	110	106	291

Table 62: KK15 to KK25 VFD 2 stage high static with modulating power exhaust (for end return only)

Size (ton)	Nominal Unit Voltage	Comp. 1		Comp. 2		OD Fan Motors (each) FLA	Supply Blower Motor FLA	Pwr Exh Motor FLA	120V trans FLA	Electric Heat Option Field Installed Kit				MCA (A)	Max f/b Size (A)	Min Disconnect Rating		MCA w/ 120V trans (A)	Max f/b Size w/ 120V trans (A)	Min Disconnect Rating/ 120V trans	
		RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
25 (25)	208-3-60	41.0	304	41.0	304	2.0	39.6	6.7	9.6	None	-	-	-	153.3	175	164	879	162.9	200	175	889
										2EH04532525	18.8	1	52.1	153.3	175	164	879	162.9	200	175	889
										2EH04535025	37.6	2	104.3	196.6	200	181	879	208.6	225	192	889
										2EH04537525	56.3	2	156.2	222.5	250	241	879	234.5	250	252	889
	230-3-60	41.0	304	41.0	304	2.3	39.6	6.7	8.7	None	-	-	-	154.5	175	166	881	163.2	200	176	890
										2EH04532525	23.0	1	57.7	154.5	175	166	881	163.2	200	176	890
										2EH04535025	45.9	2	115.2	210.3	225	193	881	221.1	225	203	890
										2EH04537525	68.9	2	172.9	239.2	250	260	881	250.0	250	270	890
	460-3-60	19.2	147	19.2	147	1.3	18.7	3.4	4.3	None	-	-	-	73.9	90	79	432	78.2	90	84	437
										2EH04532546	23.0	1	28.8	73.9	90	79	432	78.2	90	84	437
										2EH04535046	45.9	2	57.6	103.9	110	96	432	109.3	110	101	437
										2EH04537546	68.9	2	86.4	118.3	125	129	432	123.7	125	134	437
	575-3-60	16.7	122	16.7	122	1.0	14.2	2.7	3.5	None	-	-	-	61.2	70	66	349	64.7	80	70	353
										2EH04532558	23.0	1	23.0	61.2	70	66	349	64.7	80	70	353
										2EH04535058	45.9	2	46.0	82.0	90	75	349	86.4	90	79	353
										2EH04537558	68.9	2	69.1	93.6	100	102	349	98.0	110	106	353

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VFD 4 stage standard static

Table 63: KK15 to KK25 and KS15 to KS25 VFD 4 stage standard static without power exhaust (for side and end return)

Size (ton)	Nominal Unit Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan Motors (each) FLA	Supply Blower Motor FLA	120V trans FLA	Electric Heat Option Field Installed Kit				MCA (A)	Max f/b Size (A)	Min Disconnect Rating		MCA w/ 120V trans (A)	Max f/b Size w/ 120V trans (A)	Min Disconnect Rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA				Model	kW	Stages	A			FLA	LRA			FLA	LRA
15 (15)	208-3-60	26.3	178.5	25.0	190			2.1	13.2	9.6	None	-	-	-	75.3	100	79	451	84.9	110	90	461
											2EH04532525	18.8	1	52.1	81.6	100	79	451	93.6	110	90	461
											2EH04535025	37.6	2	104.3	146.9	150	135	451	158.9	175	146	461
											2EH04537525	56.3	2	156.2	172.7	200	195	451	184.7	200	206	461
	230-3-60	26.3	178.5	25.0	190			2.1	13.2	8.7	None	-	-	-	75.3	100	79	459	84.0	110	89	468
											2EH04532525	23.0	1	57.7	88.6	100	82	459	99.5	110	92	468
											2EH04535025	45.9	2	115.2	160.5	175	148	459	171.4	175	158	468
											2EH04537525	68.9	2	172.9	189.4	225	214	459	200.3	225	224	468
	460-3-60	11.0	95.3	12.2	100			1.1	6.1	4.3	None	-	-	-	34.6	45	36	241	38.9	50	41	246
											2EH04532546	23.0	1	28.8	43.6	45	40	241	49.0	50	45	246
											2EH04535046	45.9	2	57.6	79.6	80	73	241	85.0	90	78	246
											2EH04537546	68.9	2	86.4	94.0	110	106	241	99.4	110	111	246
	575-3-60	9.2	65	9.3	72			0.9	4.9	3.5	None	-	-	-	27.5	35	29	181	31.0	40	33	185
											2EH04532558	23.0	1	23.0	34.9	35	32	181	39.3	40	36	185
											2EH04535058	45.9	2	46.0	63.6	70	59	181	68.0	70	63	185
											2EH04537558	68.9	2	69.1	75.2	90	85	181	79.6	90	89	185
18 (17.5)	208-3-60	26.8	190.7	28.5	255			2.0	20.4	9.6	None	-	-	-	90.8	110	96	566	100.4	125	107	576
											2EH04532525	18.8	1	52.1	90.8	110	96	566	102.6	125	107	576
											2EH04535025	37.6	2	104.3	155.9	175	143	566	167.9	175	154	576
											2EH04537525	56.3	2	156.2	181.7	200	203	566	193.7	200	214	576
	230-3-60	26.8	190.7	28.5	255			2.3	20.4	8.7	None	-	-	-	92.0	110	98	567	100.7	125	108	576
											2EH04532525	23.0	1	57.7	97.6	110	98	567	108.5	125	108	576
											2EH04535025	45.9	2	115.2	169.5	175	156	567	180.4	200	166	576
											2EH04537525	68.9	2	172.9	198.4	225	222	567	209.3	225	232	576
	460-3-60	12.5	100.2	13.5	123			1.3	9.9	4.3	None	-	-	-	44.5	50	47	286	48.8	60	52	290
											2EH04532546	23.0	1	28.8	48.4	50	47	286	53.8	60	52	290
											2EH04535046	45.9	2	57.6	84.4	90	78	286	89.8	90	83	290
											2EH04537546	68.9	2	86.4	98.8	110	111	286	104.2	110	116	290
	575-3-60	9.4	65	10.7	93.7			1.0	7.7	3.5	None	-	-	-	34.5	45	37	208	38.0	45	41	211
											2EH04532558	23.0	1	23.0	38.4	45	37	208	42.8	45	41	211
											2EH04535058	45.9	2	46.0	67.1	70	62	208	71.5	80	66	211
											2EH04537558	68.9	2	69.1	78.7	90	88	208	83.1	90	92	211
20 (20)	208-3-60	26.5	255	33.3	255			2.0	20.4	9.6	None	-	-	-	96.5	125	101	630	106.1	125	112	640
											2EH04532525	18.8	1	52.1	96.5	125	101	630	106.1	125	112	640
											2EH04535025	37.6	2	104.3	155.9	175	143	630	167.9	175	154	640
											2EH04537525	56.3	2	156.2	181.7	200	203	630	193.7	200	214	640
	230-3-60	26.5	255	33.3	255			2.3	20.4	8.7	None	-	-	-	97.7	125	103	632	106.4	125	113	640
											2EH04532525	23.0	1	57.7	97.7	125	103	632	108.5	125	113	640
											2EH04535025	45.9	2	115.2	169.5	175	156	632	180.4	200	166	640
											2EH04537525	68.9	2	172.9	198.4	225	222	632	209.3	225	232	640
	460-3-60	14.0	123	15.4	140			1.3	9.9	4.3	None	-	-	-	48.4	60	51	326	52.7	60	56	330
											2EH04532546	23.0	1	28.8	48.4	60	51	326	53.8	60	56	330
											2EH04535046	45.9	2	57.6	84.4	90	78	326	89.8	90	83	330
											2EH04537546	68.9	2	86.4	98.8	110	111	326	104.2	110	116	330
	575-3-60	11.5	93.7	12.9	107.6			1.0	7.7	3.5	None	-	-	-	39.3	50	42	251	42.8	50	46	254
											2EH04532558	23.0	1	23.0	39.3	50	42	251	42.8	50	46	254
											2EH04535058	45.9	2	46.0	67.1	70	62	251	71.5	80	66	254
											2EH04537558	68.9	2	69.1	78.7	90	88	251	83.1	90	92	254

Table 63: KK15 to KK25 and KS15 to KS25 VFD 4 stage standard static without power exhaust (for side and end return)

Size (ton)	Nominal Unit Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan Motors (each) FLA	Supply Blower Motor FLA	120V trans FLA	Electric Heat Option Field Installed Kit				MCA (A)	Max f/b Size (A)	Min Disconnect Rating		MCA w/ 120V trans (A)	Max f/b Size w/ 120V trans (A)	Min Disconnect Rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA				Model	kW	Stages	A			FLA	LRA			FLA	LRA
25 (25)	208-3-60	22.4	166.2	41.0	304	22.4	166.2	2.0	30.0	9.6	None	-	-	-	134.1	175	142	784	143.7	175	153	793
											2EH04532525	18.8	1	52.1	134.1	175	142	784	143.7	175	153	793
											2EH04535025	37.6	2	104.3	167.9	175	154	784	179.9	200	165	793
											2EH04537525	56.3	2	156.2	193.7	200	214	784	205.7	225	225	793
	230-3-60	22.4	166.2	41.0	304	22.4	166.2	2.3	30.0	8.7	None	-	-	-	135.3	175	144	786	144.0	175	154	794
											2EH04532525	23.0	1	57.7	135.3	175	144	786	144.0	175	154	794
											2EH04535025	45.9	2	115.2	181.5	200	167	786	192.4	200	177	794
											2EH04537525	68.9	2	172.9	210.4	225	233	786	221.3	225	243	794
	460-3-60	8.8	74.6	19.2	147	8.8	74.6	1.3	14.3	4.3	None	-	-	-	61.1	80	65	373	65.4	80	70	377
											2EH04532546	23.0	1	28.8	61.1	80	65	373	65.4	80	70	377
											2EH04535046	45.9	2	57.6	89.9	90	83	373	95.3	100	88	377
											2EH04537546	68.9	2	86.4	104.3	110	116	373	109.7	110	121	377
	575-3-60	7.2	54	16.7	122	7.2	54	1.0	11.5	3.5	None	-	-	-	50.8	60	54	288	54.3	70	58	292
											2EH04532558	23.0	1	23.0	50.8	60	54	288	54.3	70	58	292
											2EH04535058	45.9	2	46.0	71.9	80	66	288	76.3	80	70	292
											2EH04537558	68.9	2	69.1	83.5	90	93	288	87.9	90	97	292

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Table 64: KK15 to KK25 VFD 4 stage standard static with on/off power exhaust (for end return only)

Size (ton)	Nominal Unit Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan Motors (each) FLA	Supply Blower Motor FLA	Pwr Exh Motor FLA	120V trans FLA	Electric Heat Option Field Installed Kit				MCA (A)	Max f/b Size (A)	Min Disconnect Rating		MCA w/ 120V trans (A)	Max f/b Size w/ 120V trans (A)	Min Disconnect Rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
15 (15)	208-3-60	26.3	178.5	25.0	190			2.1	13.2	5.0	9.6	None	-	-	-	85.3	110	91	472	94.9	110	102	482
												2EH04532525	18.8	1	52.1	94.1	110	91	472	106.1	110	102	482
												2EH04535025	37.6	2	104.3	159.4	175	147	472	171.4	175	158	482
												2EH04537525	56.3	2	156.2	185.2	200	206	472	197.2	200	217	482
	230-3-60	26.3	178.5	25.0	190			2.1	13.2	5.0	8.7	None	-	-	-	85.3	110	91	480	94.0	110	101	489
												2EH04532525	23.0	1	57.7	101.1	110	93	480	112.0	125	103	489
												2EH04535025	45.9	2	115.2	173.0	175	159	480	183.9	200	169	489
												2EH04537525	68.9	2	172.9	201.9	225	226	480	212.8	225	236	489
	460-3-60	11.0	95.3	12.2	100			1.1	6.1	2.2	4.3	None	-	-	-	39.0	50	41	250	43.3	50	46	255
												2EH04532546	23.0	1	28.8	49.1	50	45	250	54.5	60	50	255
												2EH04535046	45.9	2	57.6	85.1	90	78	250	90.5	100	83	255
												2EH04537546	68.9	2	86.4	99.5	110	111	250	104.9	110	116	255
	575-3-60	9.2	65	9.3	72			0.9	4.9	1.5	3.5	None	-	-	-	30.5	35	32	187	34.0	40	36	191
												2EH04532558	23.0	1	23.0	38.6	40	36	187	43.0	45	40	191
												2EH04535058	45.9	2	46.0	67.4	70	62	187	71.8	80	66	191
												2EH04537558	68.9	2	69.1	79.0	90	89	187	83.4	90	93	191
18 (17.5)	208-3-60	26.8	190.7	28.5	255			2.0	20.4	5.0	9.6	None	-	-	-	100.8	125	108	587	110.4	125	119	597
												2EH04532525	18.8	1	52.1	103.1	125	108	587	115.1	125	119	597
												2EH04535025	37.6	2	104.3	168.4	175	155	587	180.4	200	166	597
												2EH04537525	56.3	2	156.2	194.2	200	215	587	206.2	225	226	597
	230-3-60	26.8	190.7	28.5	255			2.3	20.4	5.0	8.7	None	-	-	-	102.0	125	109	588	110.7	125	119	597
												2EH04532525	23.0	1	57.7	110.1	125	109	588	121.0	125	119	597
												2EH04535025	45.9	2	115.2	182.0	200	167	588	192.9	200	177	597
												2EH04537525	68.9	2	172.9	210.9	225	234	588	221.8	225	244	597
	460-3-60	12.5	100.2	13.5	123			1.3	9.9	2.2	4.3	None	-	-	-	48.9	60	52	295	53.2	60	57	299
												2EH04532546	23.0	1	28.8	53.9	60	52	295	59.3	60	57	299
												2EH04535046	45.9	2	57.6	89.9	90	83	295	95.3	100	88	299
												2EH04537546	68.9	2	86.4	104.3	110	116	295	109.7	110	121	299
	575-3-60	9.4	65	10.7	93.7			1.0	7.7	1.5	3.5	None	-	-	-	37.5	45	40	214	41.0	50	44	218
												2EH04532558	23.0	1	23.0	42.1	45	40	214	46.5	50	44	218
												2EH04535058	45.9	2	46.0	70.9	80	65	214	75.3	80	69	218
												2EH04537558	68.9	2	69.1	82.5	90	92	214	86.9	90	96	218
20 (20)	208-3-60	26.5	255	33.3	255			2.0	20.4	5.0	9.6	None	-	-	-	106.5	125	113	651	116.1	125	124	661
												2EH04532525	18.8	1	52.1	106.5	125	113	651	116.1	125	124	661
												2EH04535025	37.6	2	104.3	168.4	175	155	651	180.4	200	166	661
												2EH04537525	56.3	2	156.2	194.2	200	215	651	206.2	225	226	661
	230-3-60	26.5	255	33.3	255			2.3	20.4	5.0	8.7	None	-	-	-	107.7	125	114	653	116.4	125	124	661
												2EH04532525	23.0	1	57.7	110.1	125	114	653	121.0	125	124	661
												2EH04535025	45.9	2	115.2	182.0	200	167	653	192.9	200	177	661
												2EH04537525	68.9	2	172.9	210.9	225	234	653	221.8	225	244	661
	460-3-60	14.0	123	15.4	140			1.3	9.9	2.2	4.3	None	-	-	-	52.8	60	56	335	57.1	70	61	339
												2EH04532546	23.0	1	28.8	53.9	60	56	335	59.3	70	61	339
												2EH04535046	45.9	2	57.6	89.9	90	83	335	95.3	100	88	339
												2EH04537546	68.9	2	86.4	104.3	110	116	335	109.7	110	121	339
	575-3-60	11.5	93.7	12.9	107.6			1.0	7.7	1.5	3.5	None	-	-	-	42.3	50	45	257	45.8	50	49	260
												2EH04532558	23.0	1	23.0	42.3	50	45	257	46.5	50	49	260
												2EH04535058	45.9	2	46.0	70.9	80	65	257	75.3	80	69	260
												2EH04537558	68.9	2	69.1	82.5	90	92	257	86.9	90	96	260

Table 64: KK15 to KK25 VFD 4 stage standard static with on/off power exhaust (for end return only)

Size (ton)	Nominal Unit Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan Motors (each) FLA	Supply Blower Motor FLA	Pwr Exh Motor FLA	120V trans FLA	Electric Heat Option Field Installed Kit				MCA (A)	Max f/b Size (A)	Min Disconnect Rating		MCA w/ 120V trans (A)	Max f/b Size w/ 120V trans (A)	Min Disconnect Rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
25 (25)	208-3-60	22.4	166.2	41.0	304	22.4	166.2	2.0	30.0	5.0	9.6	None	-	-	-	144.1	175	154	805	153.7	175	165	814
												2EH04532525	18.8	1	52.1	144.1	175	154	805	153.7	175	165	814
												2EH04535025	37.6	2	104.3	180.4	200	166	805	192.4	200	177	814
												2EH04537525	56.3	2	156.2	206.2	225	226	805	218.2	225	237	814
	230-3-60	22.4	166.2	41.0	304	22.4	166.2	2.3	30.0	5.0	8.7	None	-	-	-	145.3	175	155	807	154.0	175	165	815
												2EH04532525	23.0	1	57.7	145.3	175	155	807	154.0	175	165	815
												2EH04535025	45.9	2	115.2	194.0	200	178	807	204.9	225	188	815
												2EH04537525	68.9	2	172.9	222.9	250	245	807	233.8	250	255	815
	460-3-60	8.8	74.6	19.2	147	8.8	74.6	1.3	14.3	2.2	4.3	None	-	-	-	65.5	80	70	382	69.8	80	75	386
												2EH04532546	23.0	1	28.8	65.5	80	70	382	69.8	80	75	386
												2EH04535046	45.9	2	57.6	95.4	100	88	382	100.8	110	93	386
												2EH04537546	68.9	2	86.4	109.8	110	121	382	115.2	125	126	386
	575-3-60	7.2	54	16.7	122	7.2	54	1.0	11.5	1.5	3.5	None	-	-	-	53.8	70	57	294	57.3	70	61	298
												2EH04532558	23.0	1	23.0	53.8	70	57	294	57.3	70	61	298
												2EH04535058	45.9	2	46.0	75.6	80	70	294	80.0	90	74	298
												2EH04537558	68.9	2	69.1	87.2	90	96	294	91.6	100	100	298

Table 65: KK15 to KK25 VFD 4 stage standard static with modulating power exhaust (for end return only)

Size (ton)	Nominal Unit Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan Motors (each) FLA	Supply Blower Motor FLA	Pwr Exh Motor FLA	120V trans FLA	Electric Heat Option Field Installed Kit				MCA (A)	Max f/b Size (A)	Min Disconnect Rating		MCA w/ 120V trans (A)	Max f/b Size w/ 120V trans (A)	Min Disconnect Rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
15 (15)	208-3-60	26.3	178.5	25.0	190			2.1	13.2	6.7	9.6	None	-	-	-	88.7	110	94	464	98.3	110	105	474
												2EH04532525	18.8	1	52.1	98.4	110	94	464	110.4	125	105	474
												2EH04535025	37.6	2	104.3	163.6	175	151	464	175.6	200	162	474
												2EH04537525	56.3	2	156.2	189.5	200	210	464	201.5	225	221	474
	230-3-60	26.3	178.5	25.0	190			2.1	13.2	6.7	8.7	None	-	-	-	88.7	110	94	473	97.4	110	104	481
												2EH04532525	23.0	1	57.7	105.4	110	97	473	116.3	125	107	481
												2EH04535025	45.9	2	115.2	177.3	200	163	473	188.1	200	173	481
												2EH04537525	68.9	2	172.9	206.2	225	229	473	217.0	225	239	481
	460-3-60	11.0	95.3	12.2	100			1.1	6.1	3.4	4.3	None	-	-	-	41.4	50	44	248	45.7	50	49	252
												2EH04532546	23.0	1	28.8	52.1	60	48	248	57.5	60	53	252
												2EH04535046	45.9	2	57.6	88.1	90	81	248	93.5	100	86	252
												2EH04537546	68.9	2	86.4	102.5	110	114	248	107.9	110	119	252
	575-3-60	9.2	65	9.3	72			0.9	4.9	2.7	3.5	None	-	-	-	32.9	40	35	186	36.4	45	39	190
												2EH04532558	23.0	1	23.0	41.6	45	38	186	46.0	50	42	190
												2EH04535058	45.9	2	46.0	70.4	80	65	186	74.8	80	69	190
												2EH04537558	68.9	2	69.1	82.0	90	91	186	86.4	90	95	190
18 (17.5)	208-3-60	26.8	190.7	28.5	255			2.0	20.4	6.7	9.6	None	-	-	-	104.2	125	112	580	113.8	125	123	589
												2EH04532525	18.8	1	52.1	107.4	125	112	580	119.4	125	123	589
												2EH04535025	37.6	2	104.3	172.6	175	159	580	184.6	200	170	589
												2EH04537525	56.3	2	156.2	198.5	200	219	580	210.5	225	230	589
	230-3-60	26.8	190.7	28.5	255			2.3	20.4	6.7	8.7	None	-	-	-	105.4	125	113	581	114.1	125	123	589
												2EH04532525	23.0	1	57.7	114.4	125	113	581	125.3	150	123	589
												2EH04535025	45.9	2	115.2	186.3	200	171	581	197.1	200	181	589
												2EH04537525	68.9	2	172.9	215.2	225	238	581	226.0	250	248	589
	460-3-60	12.5	100.2	13.5	123			1.3	9.9	3.4	4.3	None	-	-	-	51.3	60	55	293	55.6	60	60	297
												2EH04532546	23.0	1	28.8	56.9	60	55	293	62.3	70	60	297
												2EH04535046	45.9	2	57.6	92.9	100	85	293	98.3	100	90	297
												2EH04537546	68.9	2	86.4	107.3	110	119	293	112.7	125	124	297
	575-3-60	9.4	65	10.7	93.7			1.0	7.7	2.7	3.5	None	-	-	-	39.9	50	43	213	43.4	50	47	217
												2EH04532558	23.0	1	23.0	45.1	50	43	213	49.5	50	47	217
												2EH04535058	45.9	2	46.0	73.9	80	68	213	78.3	80	72	217
												2EH04537558	68.9	2	69.1	85.5	90	95	213	89.9	90	99	217
20 (20)	208-3-60	26.5	255	33.3	255			2.0	20.4	6.7	9.6	None	-	-	-	109.9	125	117	644	119.5	150	128	653
												2EH04532525	18.8	1	52.1	109.9	125	117	644	119.5	150	128	653
												2EH04535025	37.6	2	104.3	172.6	175	159	644	184.6	200	170	653
												2EH04537525	56.3	2	156.2	198.5	200	219	644	210.5	225	230	653
	230-3-60	26.5	255	33.3	255			2.3	20.4	6.7	8.7	None	-	-	-	111.1	125	118	645	119.8	150	128	654
												2EH04532525	23.0	1	57.7	114.4	125	118	645	125.3	150	128	654
												2EH04535025	45.9	2	115.2	186.3	200	171	645	197.1	200	181	654
												2EH04537525	68.9	2	172.9	215.2	225	238	645	226.0	250	248	654
	460-3-60	14.0	123	15.4	140			1.3	9.9	3.4	4.3	None	-	-	-	55.2	70	59	332	59.5	70	64	337
												2EH04532546	23.0	1	28.8	56.9	70	59	332	62.3	70	64	337
												2EH04535046	45.9	2	57.6	92.9	100	85	332	98.3	100	90	337
												2EH04537546	68.9	2	86.4	107.3	110	119	332	112.7	125	124	337
	575-3-60	11.5	93.7	12.9	107.6			1.0	7.7	2.7	3.5	None	-	-	-	44.7	50	48	256	48.2	60	52	259
												2EH04532558	23.0	1	23.0	45.1	50	48	256	49.5	60	52	259
												2EH04535058	45.9	2	46.0	73.9	80	68	256	78.3	80	72	259
												2EH04537558	68.9	2	69.1	85.5	90	95	256	89.9	90	99	259

Table 65: KK15 to KK25 VFD 4 stage standard static with modulating power exhaust (for end return only)

Size (ton)	Nominal Unit Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan Motors (each) FLA	Supply Blower Motor FLA	Pwr Exh Motor FLA	120V trans FLA	Electric Heat Option Field Installed Kit				MCA (A)	Max f/b Size (A)	Min Disconnect Rating		MCA w/ 120V trans (A)	Max f/b Size w/ 120V trans (A)	Min Disconnect Rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
25 (25)	208-3-60	22.4	166.2	41.0	304	22.4	166.2	2.0	30.0	6.7	9.6	None	-	-	-	147.5	175	158	797	157.1	175	169	807
												2EH04532525	18.8	1	52.1	147.5	175	158	797	157.1	175	169	807
												2EH04535025	37.6	2	104.3	184.6	200	170	797	196.6	200	181	807
												2EH04537525	56.3	2	156.2	210.5	225	230	797	222.5	225	241	807
	230-3-60	22.4	166.2	41.0	304	22.4	166.2	2.3	30.0	6.7	8.7	None	-	-	-	148.7	175	159	799	157.4	175	169	808
												2EH04532525	23.0	1	57.7	148.7	175	159	799	157.4	175	169	808
												2EH04535025	45.9	2	115.2	198.3	200	182	799	209.1	225	192	808
												2EH04537525	68.9	2	172.9	227.2	250	249	799	238.0	250	259	808
	460-3-60	8.8	74.6	19.2	147	8.8	74.6	1.3	14.3	3.4	4.3	None	-	-	-	67.9	80	73	379	72.2	90	78	384
												2EH04532546	23.0	1	28.8	67.9	80	73	379	72.2	90	78	384
												2EH04535046	45.9	2	57.6	98.4	100	91	379	103.8	110	95	384
												2EH04537546	68.9	2	86.4	112.8	125	124	379	118.2	125	129	384
	575-3-60	7.2	54	16.7	122	7.2	54	1.0	11.5	2.7	3.5	None	-	-	-	56.2	70	60	293	59.7	70	64	297
												2EH04532558	23.0	1	23.0	56.2	70	60	293	59.7	70	64	297
												2EH04535058	45.9	2	46.0	78.6	80	72	293	83.0	90	76	297
												2EH04537558	68.9	2	69.1	90.2	100	99	293	94.6	100	103	297

VFD 4 stage medium static

Table 66: KK15 to KK25 and KS15 to KS25 VFD 4 stage medium static without power exhaust (for side and end return)

Size (ton)	Nominal Unit Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan Motors (each) FLA	Supply Blower Motor FLA	120V trans FLA	Electric Heat Option Field Installed Kit				MCA (A)	Max f/b Size (A)	Min Disconnect Rating		MCA w/ 120V trans (A)	Max f/b Size w/ 120V trans (A)	Min Disconnect Rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA				Model	kW	Stages	A			FLA	LRA			FLA	LRA
15 (15)	208-3-60	26.3	178.5	25.0	190			2.1	20.4	9.6	None	-	-	-	82.5	100	87	481	92.1	110	98	491
											2EH04532525	18.8	1	52.1	90.6	100	87	481	102.6	110	98	491
											2EH04535025	37.6	2	104.3	155.9	175	143	481	167.9	175	154	491
											2EH04537525	56.3	2	156.2	181.7	200	203	481	193.7	200	214	491
	230-3-60	26.3	178.5	25.0	190			2.1	20.4	8.7	None	-	-	-	82.5	100	87	481	91.2	110	97	489
											2EH04532525	23.0	1	57.7	97.6	100	90	481	108.5	110	100	489
											2EH04535025	45.9	2	115.2	169.5	175	156	481	180.4	200	166	489
											2EH04537525	68.9	2	172.9	198.4	225	222	481	209.3	225	232	489
	460-3-60	11.0	95.3	12.2	100			1.1	9.9	4.3	None	-	-	-	38.4	50	41	252	42.7	50	46	256
											2EH04532546	23.0	1	28.8	48.4	50	45	252	53.8	60	49	256
											2EH04535046	45.9	2	57.6	84.4	90	78	252	89.8	90	83	256
											2EH04537546	68.9	2	86.4	98.8	110	111	252	104.2	110	116	256
	575-3-60	9.2	65	9.3	72			0.9	7.7	3.5	None	-	-	-	30.3	35	32	181	33.8	40	36	185
											2EH04532558	23.0	1	23.0	38.4	40	35	181	42.8	45	39	185
											2EH04535058	45.9	2	46.0	67.1	70	62	181	71.5	80	66	185
											2EH04537558	68.9	2	69.1	78.7	90	88	181	83.1	90	92	185
18 (17.5)	208-3-60	26.8	190.7	28.5	255			2.0	30.0	9.6	None	-	-	-	100.8	125	107	593	110.4	125	118	602
											2EH04532525	18.8	1	52.1	102.6	125	107	593	114.6	125	118	602
											2EH04535025	37.6	2	104.3	167.9	175	154	593	179.9	200	165	602
											2EH04537525	56.3	2	156.2	193.7	200	214	593	205.7	225	225	602
	230-3-60	26.8	190.7	28.5	255			2.3	30.0	8.7	None	-	-	-	102.0	125	109	595	110.7	125	119	604
											2EH04532525	23.0	1	57.7	109.6	125	109	595	120.5	125	119	604
											2EH04535025	45.9	2	115.2	181.5	200	167	595	192.4	200	177	604
											2EH04537525	68.9	2	172.9	210.4	225	233	595	221.3	225	243	604
	460-3-60	12.5	100.2	13.5	123			1.3	14.3	4.3	None	-	-	-	49.1	60	52	300	53.4	60	57	304
											2EH04532546	23.0	1	28.8	53.9	60	52	300	59.3	60	57	304
											2EH04535046	45.9	2	57.6	89.9	90	83	300	95.3	100	88	304
											2EH04537546	68.9	2	86.4	104.3	110	116	300	109.7	110	121	304
	575-3-60	9.4	65	10.7	93.7			1.0	11.5	3.5	None	-	-	-	38.5	50	41	217	42.0	50	45	220
											2EH04532558	23.0	1	23.0	43.1	50	41	217	47.5	50	45	220
											2EH04535058	45.9	2	46.0	71.9	80	66	217	76.3	80	70	220
											2EH04537558	68.9	2	69.1	83.5	90	93	217	87.9	90	97	220
20 (20)	208-3-60	26.5	255	33.3	255			2.0	30.0	9.6	None	-	-	-	106.1	125	112	657	115.7	125	124	667
											2EH04532525	18.8	1	52.1	106.1	125	112	657	115.7	125	124	667
											2EH04535025	37.6	2	104.3	167.9	175	154	657	179.9	200	165	667
											2EH04537525	56.3	2	156.2	193.7	200	214	657	205.7	225	225	667
	230-3-60	26.5	255	33.3	255			2.3	30.0	8.7	None	-	-	-	107.3	125	114	659	116.0	125	124	668
											2EH04532525	23.0	1	57.7	109.6	125	114	659	120.5	125	124	668
											2EH04535025	45.9	2	115.2	181.5	200	167	659	192.4	200	177	668
											2EH04537525	68.9	2	172.9	210.4	225	233	659	221.3	225	243	668
	460-3-60	14.0	123	15.4	140			1.3	14.3	4.3	None	-	-	-	52.8	60	56	339	57.1	70	61	344
											2EH04532546	23.0	1	28.8	53.9	60	56	339	59.3	70	61	344
											2EH04535046	45.9	2	57.6	89.9	90	83	339	95.3	100	88	344
											2EH04537546	68.9	2	86.4	104.3	110	116	339	109.7	110	121	344
	575-3-60	11.5	93.7	12.9	107.6			1.0	11.5	3.5	None	-	-	-	43.1	50	46	259	46.6	50	50	263
											2EH04532558	23.0	1	23.0	43.1	50	46	259	47.5	50	50	263
											2EH04535058	45.9	2	46.0	71.9	80	66	259	76.3	80	70	263
											2EH04537558	68.9	2	69.1	83.5	90	93	259	87.9	90	97	263

Table 66: KK15 to KK25 and KS15 to KS25 VFD 4 stage medium static without power exhaust (for side and end return)

Size (ton)	Nominal Unit Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan Motors (each) FLA	Supply Blower Motor FLA	120V trans FLA	Electric Heat Option Field Installed Kit				MCA (A)	Max f/b Size (A)	Min Disconnect Rating		MCA w/ 120V trans (A)	Max f/b Size w/ 120V trans (A)	Min Disconnect Rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA				Model	kW	Stages	A			FLA	LRA			FLA	LRA
25 (25)	208-3-60	22.4	166.2	41.0	304	22.4	166.2	2.0	39.6	9.6	None	-	-	-	143.7	175	153	834	153.3	175	164	844
											2EH04532525	18.8	1	52.1	143.7	175	153	834	153.3	175	164	844
											2EH04535025	37.6	2	104.3	179.9	200	165	834	191.9	200	177	844
											2EH04537525	56.3	2	156.2	205.7	225	225	834	217.7	250	236	844
	230-3-60	22.4	166.2	41.0	304	22.4	166.2	2.3	39.6	8.7	None	-	-	-	144.9	175	155	836	153.6	175	165	845
											2EH04532525	23.0	1	57.7	144.9	175	155	836	153.6	175	165	845
											2EH04535025	45.9	2	115.2	193.5	200	178	836	204.4	225	188	845
											2EH04537525	68.9	2	172.9	222.4	250	244	836	233.3	250	254	845
	460-3-60	8.8	74.6	19.2	147	8.8	74.6	1.3	18.7	4.3	None	-	-	-	65.5	80	70	398	69.8	80	75	402
											2EH04532546	23.0	1	28.8	65.5	80	70	398	69.8	80	75	402
											2EH04535046	45.9	2	57.6	95.4	100	88	398	100.8	110	93	402
											2EH04537546	68.9	2	86.4	109.8	125	121	398	115.2	125	126	402
	575-3-60	7.2	54	16.7	122	7.2	54	1.0	14.2	3.5	None	-	-	-	53.5	70	57	311	57.0	70	61	314
											2EH04532558	23.0	1	23.0	53.5	70	57	311	57.0	70	61	314
											2EH04535058	45.9	2	46.0	75.3	80	69	311	79.6	80	73	314
											2EH04537558	68.9	2	69.1	86.9	100	96	311	91.2	100	100	314

Table 67: KK15 to KK25 VFD 4 stage medium static with on/off power exhaust (for end return only)

Size (ton)	Nominal Unit Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan Motors (each) FLA	Supply Blower Motor FLA	Pwr Exh Motor FLA	120V trans FLA	Electric Heat Option Field Installed Kit				MCA (A)	Max f/b Size (A)	Min Disconnect Rating		MCA w/ 120V trans (A)	Max f/b Size w/ 120V trans (A)	Min Disconnect Rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
15 (15)	208-3-60	26.3	178.5	25.0	190			2.1	20.4	5.0	9.6	None	-	-	-	92.5	110	99	502	102.1	125	110	512
												2EH04532525	18.8	1	52.1	103.1	110	99	502	115.1	125	110	512
												2EH04535025	37.6	2	104.3	168.4	175	155	502	180.4	200	166	512
												2EH04537525	56.3	2	156.2	194.2	200	215	502	206.2	225	226	512
	230-3-60	26.3	178.5	25.0	190			2.1	20.4	5.0	8.7	None	-	-	-	92.5	110	99	502	101.2	125	109	510
												2EH04532525	23.0	1	57.7	110.1	125	101	502	121.0	125	111	510
												2EH04535025	45.9	2	115.2	182.0	200	167	502	192.9	200	177	510
												2EH04537525	68.9	2	172.9	210.9	225	234	502	221.8	225	244	510
	460-3-60	11.0	95.3	12.2	100			1.1	9.9	2.2	4.3	None	-	-	-	42.8	50	46	261	47.1	50	51	265
												2EH04532546	23.0	1	28.8	53.9	60	50	261	59.3	60	55	265
												2EH04535046	45.9	2	57.6	89.9	90	83	261	95.3	100	88	265
												2EH04537546	68.9	2	86.4	104.3	110	116	261	109.7	110	121	265
	575-3-60	9.2	65	9.3	72			0.9	7.7	1.5	3.5	None	-	-	-	33.3	40	36	187	36.8	45	40	191
												2EH04532558	23.0	1	23.0	42.1	45	39	187	46.5	50	43	191
												2EH04535058	45.9	2	46.0	70.9	80	65	187	75.3	80	69	191
												2EH04537558	68.9	2	69.1	82.5	90	92	187	86.9	90	96	191
18 (17.5)	208-3-60	26.8	190.7	28.5	255			2.0	30.0	5.0	9.6	None	-	-	-	110.8	125	119	614	120.4	150	130	623
												2EH04532525	18.8	1	52.1	115.1	125	119	614	127.1	150	130	623
												2EH04535025	37.6	2	104.3	180.4	200	166	614	192.4	200	177	623
												2EH04537525	56.3	2	156.2	206.2	225	226	614	218.2	225	237	623
	230-3-60	26.8	190.7	28.5	255			2.3	30.0	5.0	8.7	None	-	-	-	112.0	125	120	616	120.7	150	130	625
												2EH04532525	23.0	1	57.7	122.1	125	120	616	133.0	150	130	625
												2EH04535025	45.9	2	115.2	194.0	200	178	616	204.9	225	188	625
												2EH04537525	68.9	2	172.9	222.9	250	245	616	233.8	250	255	625
	460-3-60	12.5	100.2	13.5	123			1.3	14.3	2.2	4.3	None	-	-	-	53.5	60	57	309	57.8	70	62	313
												2EH04532546	23.0	1	28.8	59.4	60	57	309	64.8	70	62	313
												2EH04535046	45.9	2	57.6	95.4	100	88	309	100.8	110	93	313
												2EH04537546	68.9	2	86.4	109.8	110	121	309	115.2	125	126	313
	575-3-60	9.4	65	10.7	93.7			1.0	11.5	1.5	3.5	None	-	-	-	41.5	50	44	223	45.0	50	48	227
												2EH04532558	23.0	1	23.0	46.9	50	44	223	51.3	60	48	227
												2EH04535058	45.9	2	46.0	75.6	80	70	223	80.0	90	74	227
												2EH04537558	68.9	2	69.1	87.2	90	96	223	91.6	100	100	227
20 (20)	208-3-60	26.5	255	33.3	255			2.0	30.0	5.0	9.6	None	-	-	-	116.1	125	124	678	125.7	150	135	688
												2EH04532525	18.8	1	52.1	116.1	125	124	678	127.1	150	135	688
												2EH04535025	37.6	2	104.3	180.4	200	166	678	192.4	200	177	688
												2EH04537525	56.3	2	156.2	206.2	225	226	678	218.2	225	237	688
	230-3-60	26.5	255	33.3	255			2.3	30.0	5.0	8.7	None	-	-	-	117.3	150	125	680	126.0	150	135	689
												2EH04532525	23.0	1	57.7	122.1	150	125	680	133.0	150	135	689
												2EH04535025	45.9	2	115.2	194.0	200	178	680	204.9	225	188	689
												2EH04537525	68.9	2	172.9	222.9	250	245	680	233.8	250	255	689
	460-3-60	14.0	123	15.4	140			1.3	14.3	2.2	4.3	None	-	-	-	57.2	70	61	349	61.5	70	66	353
												2EH04532546	23.0	1	28.8	59.4	70	61	349	64.8	70	66	353
												2EH04535046	45.9	2	57.6	95.4	100	88	349	100.8	110	93	353
												2EH04537546	68.9	2	86.4	109.8	110	121	349	115.2	125	126	353
	575-3-60	11.5	93.7	12.9	107.6			1.0	11.5	1.5	3.5	None	-	-	-	46.1	50	49	266	49.6	60	53	269
												2EH04532558	23.0	1	23.0	46.9	50	49	266	51.3	60	53	269
												2EH04535058	45.9	2	46.0	75.6	80	70	266	80.0	90	74	269
												2EH04537558	68.9	2	69.1	87.2	90	96	266	91.6	100	100	269

Table 67: KK15 to KK25 VFD 4 stage medium static with on/off power exhaust (for end return only)

Size (ton)	Nominal Unit Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan Motors (each) FLA	Supply Blower Motor FLA	Pwr Exh Motor FLA	120V trans FLA	Electric Heat Option Field Installed Kit				MCA (A)	Max f/b Size (A)	Min Disconnect Rating		MCA w/ 120V trans (A)	Max f/b Size w/ 120V trans (A)	Min Disconnect Rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
25 (25)	208-3-60	22.4	166.2	41.0	304	22.4	166.2	2.0	39.6	5.0	9.6	None	-	-	-	153.7	175	165	855	163.3	200	176	865
												2EH04532525	18.8	1	52.1	153.7	175	165	855	163.3	200	176	865
												2EH04535025	37.6	2	104.3	192.4	200	177	855	204.4	225	188	865
												2EH04537525	56.3	2	156.2	218.2	250	237	855	230.2	250	248	865
	230-3-60	22.4	166.2	41.0	304	22.4	166.2	2.3	39.6	5.0	8.7	None	-	-	-	154.9	175	166	857	163.6	200	176	866
												2EH04532525	23.0	1	57.7	154.9	175	166	857	163.6	200	176	866
												2EH04535025	45.9	2	115.2	206.0	225	190	857	216.9	225	200	866
												2EH04537525	68.9	2	172.9	234.9	250	256	857	245.8	250	266	866
	460-3-60	8.8	74.6	19.2	147	8.8	74.6	1.3	18.7	2.2	4.3	None	-	-	-	69.9	80	75	407	74.2	90	80	411
												2EH04532546	23.0	1	28.8	69.9	80	75	407	74.2	90	80	411
												2EH04535046	45.9	2	57.6	100.9	110	93	407	106.3	110	98	411
												2EH04537546	68.9	2	86.4	115.3	125	126	407	120.7	125	131	411
	575-3-60	7.2	54	16.7	122	7.2	54	1.0	14.2	1.5	3.5	None	-	-	-	56.5	70	60	317	60.0	70	64	321
												2EH04532558	23.0	1	23.0	56.5	70	60	317	60.0	70	64	321
												2EH04535058	45.9	2	46.0	79.0	80	73	317	83.4	90	77	321
												2EH04537558	68.9	2	69.1	90.6	100	99	317	95.0	100	103	321

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Table 68: KK15 to KK25 VFD 4 stage medium static with modulating power exhaust (for end return only)

Size (ton)	Nominal Unit Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan Motors (each) FLA	Supply Blower Motor FLA	Pwr Exh Motor FLA	120V trans FLA	Electric Heat Option Field Installed Kit				MCA (A)	Max f/b Size (A)	Min Disconnect Rating		MCA w/ 120V trans (A)	Max f/b Size w/ 120V trans (A)	Min Disconnect Rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
15 (15)	208-3-60	26.3	178.5	25.0	190			2.1	20.4	6.7	9.6	None	-	-	-	95.9	110	103	495	105.5	125	114	504
												2EH04532525	18.8	1	52.1	107.4	110	103	495	119.4	125	114	504
												2EH04535025	37.6	2	104.3	172.6	175	159	495	184.6	200	170	504
												2EH04537525	56.3	2	156.2	198.5	200	219	495	210.5	225	230	504
	230-3-60	26.3	178.5	25.0	190			2.1	20.4	6.7	8.7	None	-	-	-	95.9	110	103	494	104.6	125	113	503
												2EH04532525	23.0	1	57.7	114.4	125	105	494	125.3	150	115	503
												2EH04535025	45.9	2	115.2	186.3	200	171	494	197.1	200	181	503
												2EH04537525	68.9	2	172.9	215.2	225	238	494	226.0	250	248	503
	460-3-60	11.0	95.3	12.2	100			1.1	9.9	3.4	4.3	None	-	-	-	45.2	50	48	259	49.5	60	53	263
												2EH04532546	23.0	1	28.8	56.9	60	52	259	62.3	70	57	263
												2EH04535046	45.9	2	57.6	92.9	100	85	259	98.3	100	90	263
												2EH04537546	68.9	2	86.4	107.3	110	119	259	112.7	125	124	263
	575-3-60	9.2	65	9.3	72			0.9	7.7	2.7	3.5	None	-	-	-	35.7	45	38	186	39.2	45	42	190
												2EH04532558	23.0	1	23.0	45.1	50	42	186	49.5	50	46	190
												2EH04535058	45.9	2	46.0	73.9	80	68	186	78.3	80	72	190
												2EH04537558	68.9	2	69.1	85.5	90	95	186	89.9	90	99	190
18 (17.5)	208-3-60	26.8	190.7	28.5	255			2.0	30.0	6.7	9.6	None	-	-	-	114.2	125	123	606	123.8	150	134	616
												2EH04532525	18.8	1	52.1	119.4	125	123	606	131.4	150	134	616
												2EH04535025	37.6	2	104.3	184.6	200	170	606	196.6	200	181	616
												2EH04537525	56.3	2	156.2	210.5	225	230	606	222.5	225	241	616
	230-3-60	26.8	190.7	28.5	255			2.3	30.0	6.7	8.7	None	-	-	-	115.4	125	124	608	124.1	150	134	617
												2EH04532525	23.0	1	57.7	126.4	150	124	608	137.3	150	134	617
												2EH04535025	45.9	2	115.2	198.3	200	182	608	209.1	225	192	617
												2EH04537525	68.9	2	172.9	227.2	250	249	608	238.0	250	259	617
	460-3-60	12.5	100.2	13.5	123			1.3	14.3	3.4	4.3	None	-	-	-	55.9	70	60	306	60.2	70	65	311
												2EH04532546	23.0	1	28.8	62.4	70	60	306	67.8	70	65	311
												2EH04535046	45.9	2	57.6	98.4	100	91	306	103.8	110	95	311
												2EH04537546	68.9	2	86.4	112.8	125	124	306	118.2	125	129	311
	575-3-60	9.4	65	10.7	93.7			1.0	11.5	2.7	3.5	None	-	-	-	43.9	50	47	222	47.4	50	51	226
												2EH04532558	23.0	1	23.0	49.9	50	47	222	54.3	60	51	226
												2EH04535058	45.9	2	46.0	78.6	80	72	222	83.0	90	76	226
												2EH04537558	68.9	2	69.1	90.2	100	99	222	94.6	100	103	226
20 (20)	208-3-60	26.5	255	33.3	255			2.0	30.0	6.7	9.6	None	-	-	-	119.5	150	128	671	129.1	150	139	680
												2EH04532525	18.8	1	52.1	119.5	150	128	671	131.4	150	139	680
												2EH04535025	37.6	2	104.3	184.6	200	170	671	196.6	200	181	680
												2EH04537525	56.3	2	156.2	210.5	225	230	671	222.5	225	241	680
	230-3-60	26.5	255	33.3	255			2.3	30.0	6.7	8.7	None	-	-	-	120.7	150	129	673	129.4	150	139	681
												2EH04532525	23.0	1	57.7	126.4	150	129	673	137.3	150	139	681
												2EH04535025	45.9	2	115.2	198.3	200	182	673	209.1	225	192	681
												2EH04537525	68.9	2	172.9	227.2	250	249	673	238.0	250	259	681
	460-3-60	14.0	123	15.4	140			1.3	14.3	3.4	4.3	None	-	-	-	59.6	70	64	346	63.9	70	69	350
												2EH04532546	23.0	1	28.8	62.4	70	64	346	67.8	70	69	350
												2EH04535046	45.9	2	57.6	98.4	100	91	346	103.8	110	95	350
												2EH04537546	68.9	2	86.4	112.8	125	124	346	118.2	125	129	350
	575-3-60	11.5	93.7	12.9	107.6			1.0	11.5	2.7	3.5	None	-	-	-	48.5	60	52	265	52.0	60	56	268
												2EH04532558	23.0	1	23.0	49.9	60	52	265	54.3	60	56	268
												2EH04535058	45.9	2	46.0	78.6	80	72	265	83.0	90	76	268
												2EH04537558	68.9	2	69.1	90.2	100	99	265	94.6	100	103	268

Table 68: KK15 to KK25 VFD 4 stage medium static with modulating power exhaust (for end return only)

Size (ton)	Nominal Unit Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan Motors (each) FLA	Supply Blower Motor FLA	Pwr Exh Motor FLA	120V trans FLA	Electric Heat Option Field Installed Kit				MCA (A)	Max f/b Size (A)	Min Disconnect Rating		MCA w/ 120V trans (A)	Max f/b Size w/ 120V trans (A)	Min Disconnect Rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
25 (25)	208-3-60	22.4	166.2	41.0	304	22.4	166.2	2.0	39.6	6.7	9.6	None	-	-	-	157.1	175	169	847	166.7	200	180	857
												2EH04532525	18.8	1	52.1	157.1	175	169	847	166.7	200	180	857
												2EH04535025	37.6	2	104.3	196.6	200	181	847	208.6	225	192	857
												2EH04537525	56.3	2	156.2	222.5	250	241	847	234.5	250	252	857
	230-3-60	22.4	166.2	41.0	304	22.4	166.2	2.3	39.6	6.7	8.7	None	-	-	-	158.3	175	170	849	167.0	200	180	858
												2EH04532525	23.0	1	57.7	158.3	175	170	849	167.0	200	180	858
												2EH04535025	45.9	2	115.2	210.3	225	193	849	221.1	225	203	858
												2EH04537525	68.9	2	172.9	239.2	250	260	849	250.0	250	270	858
	460-3-60	8.8	74.6	19.2	147	8.8	74.6	1.3	18.7	3.4	4.3	None	-	-	-	72.3	90	78	405	76.6	90	83	409
												2EH04532546	23.0	1	28.8	72.3	90	78	405	76.6	90	83	409
												2EH04535046	45.9	2	57.6	103.9	110	96	405	109.3	110	101	409
												2EH04537546	68.9	2	86.4	118.3	125	129	405	123.7	125	134	409
	575-3-60	7.2	54	16.7	122	7.2	54	1.0	14.2	2.7	3.5	None	-	-	-	58.9	70	63	316	62.4	70	67	320
												2EH04532558	23.0	1	23.0	58.9	70	63	316	62.4	70	67	320
												2EH04535058	45.9	2	46.0	82.0	90	75	316	86.4	90	79	320
												2EH04537558	68.9	2	69.1	93.6	100	102	316	98.0	110	106	320

VFD 4 stage high static

Table 69: KK15 to KK25 and KS15 to KS25 VFD 4 stage high static without power exhaust (for side and end return)

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		Comp. 3		OD fan motors each FLA	Supply blower motor FLA	120V trans FLA	Electric heat option field installed kit				MCA (A)	Max f/b size A	Min disconnect rating		MCA w/ 120V trans (A)	Max f/b size w/ 120V trans (A)	Min disconnect rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA				Model	kW	Stages	A			FLA	LRA			FLA	LRA
15 (15)	208-3-60	26.3	178.5	25.0	190			2.1	30.0	9.6	None	-	-	-	93.0	110	98	508	102.6	125	109	518
											2EH04532525	18.8	1	52.1	102.6	110	98	508	114.6	125	109	518
											2EH04535025	37.6	2	104.3	167.9	175	154	508	179.9	200	165	518
											2EH04537525	56.3	2	156.2	193.7	200	214	508	205.7	225	225	518
	230-3-60	26.3	178.5	25.0	190			2.1	30.0	8.7	None	-	-	-	93.0	110	98	508	101.7	125	108	517
											2EH04532525	23.0	1	57.7	109.6	125	101	508	120.5	125	111	517
											2EH04535025	45.9	2	115.2	181.5	200	167	508	192.4	200	177	517
											2EH04537525	68.9	2	172.9	210.4	225	233	508	221.3	225	243	517
	460-3-60	11.0	95.3	12.2	100			1.1	14.3	4.3	None	-	-	-	43.3	50	46	266	47.6	60	51	270
											2EH04532546	23.0	1	28.8	53.9	60	50	266	59.3	60	55	270
											2EH04535046	45.9	2	57.6	89.9	90	83	266	95.3	100	88	270
											2EH04537546	68.9	2	86.4	104.3	110	116	266	109.7	110	121	270
	575-3-60	9.2	65	9.3	72			0.9	11.5	3.5	None	-	-	-	34.7	45	37	190	38.2	45	41	193
											2EH04532558	23.0	1	23.0	43.1	45	40	190	47.5	50	44	193
											2EH04535058	45.9	2	46.0	71.9	80	66	190	76.3	80	70	193
											2EH04537558	68.9	2	69.1	83.5	90	93	190	87.9	90	97	193
18 (17.5)	208-3-60	26.8	190.7	28.5	255			2.0	39.6	9.6	None	-	-	-	112.8	150	118	643	122.4	150	129	653
											2EH04532525	18.8	1	52.1	114.6	150	118	643	126.6	150	129	653
											2EH04535025	37.6	2	104.3	179.9	200	165	643	191.9	200	177	653
											2EH04537525	56.3	2	156.2	205.7	225	225	643	217.7	250	236	653
	230-3-60	26.8	190.7	28.5	255			2.3	39.6	8.7	None	-	-	-	114.0	150	120	645	122.7	150	130	654
											2EH04532525	23.0	1	57.7	121.6	150	120	645	132.5	150	130	654
											2EH04535025	45.9	2	115.2	193.5	200	178	645	204.4	225	188	654
											2EH04537525	68.9	2	172.9	222.4	250	244	645	233.3	250	254	654
	460-3-60	12.5	100.2	13.5	123			1.3	18.7	4.3	None	-	-	-	54.6	70	57	325	58.9	70	62	329
											2EH04532546	23.0	1	28.8	59.4	70	57	325	64.8	70	62	329
											2EH04535046	45.9	2	57.6	95.4	100	88	325	100.8	110	93	329
											2EH04537546	68.9	2	86.4	109.8	125	121	325	115.2	125	126	329
	575-3-60	9.4	65	10.7	93.7			1.0	14.2	3.5	None	-	-	-	41.9	50	44	240	45.4	50	48	243
											2EH04532558	23.0	1	23.0	46.5	50	44	240	50.9	60	48	243
											2EH04535058	45.9	2	46.0	75.3	80	69	240	79.6	80	73	243
											2EH04537558	68.9	2	69.1	86.9	100	96	240	91.2	100	100	243
20 (20)	208-3-60	26.5	255	33.3	255			2.0	39.6	9.6	None	-	-	-	117.3	150	124	708	126.9	150	135	717
											2EH04532525	18.8	1	52.1	117.3	150	124	708	126.9	150	135	717
											2EH04535025	37.6	2	104.3	179.9	200	165	708	191.9	200	177	717
											2EH04537525	56.3	2	156.2	205.7	225	225	708	217.7	250	236	717
	230-3-60	26.5	255	33.3	255			2.3	39.6	8.7	None	-	-	-	118.5	150	125	710	127.2	150	135	718
											2EH04532525	23.0	1	57.7	121.6	150	125	710	132.5	150	135	718
											2EH04535025	45.9	2	115.2	193.5	200	178	710	204.4	225	188	718
											2EH04537525	68.9	2	172.9	222.4	250	244	710	233.3	250	254	718
	460-3-60	14.0	123	15.4	140			1.3	18.7	4.3	None	-	-	-	58.0	70	61	365	62.3	80	66	369
											2EH04532546	23.0	1	28.8	59.4	70	61	365	64.8	80	66	369
											2EH04535046	45.9	2	57.6	95.4	100	88	365	100.8	110	93	369
											2EH04537546	68.9	2	86.4	109.8	125	121	365	115.2	125	126	369
	575-3-60	11.5	93.7	12.9	107.6			1.0	14.2	3.5	None	-	-	-	46.2	60	49	282	49.7	60	53	286
											2EH04532558	23.0	1	23.0	46.5	60	49	282	50.9	60	53	286
											2EH04535058	45.9	2	46.0	75.3	80	69	282	79.6	80	73	286
											2EH04537558	68.9	2	69.1	86.9	100	96	282	91.2	100	100	286

Table 69: KK15 to KK25 and KS15 to KS25 VFD 4 stage high static without power exhaust (for side and end return)

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		Comp. 3		OD fan motors each FLA	Supply blower motor FLA	120V trans FLA	Electric heat option field installed kit				MCA (A)	Max f/b size A	Min disconnect rating		MCA w/ 120V trans (A)	Max f/b size w/ 120V trans (A)	Min disconnect rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA				Model	kW	Stages	A			FLA	LRA			FLA	LRA
25 (25)	208-3-60	22.4	166.2	41.0	304	22.4	166.2	2.0	39.6	9.6	None	-	-	-	143.7	175	153	894	153.3	175	164	904
											2EH04532525	18.8	1	52.1	143.7	175	153	894	153.3	175	164	904
											2EH04535025	37.6	2	104.3	179.9	200	165	894	191.9	200	177	904
											2EH04537525	56.3	2	156.2	205.7	225	225	894	217.7	250	236	904
	230-3-60	22.4	166.2	41.0	304	22.4	166.2	2.3	39.6	8.7	None	-	-	-	144.9	175	155	896	153.6	175	165	905
											2EH04532525	23.0	1	57.7	144.9	175	155	896	153.6	175	165	905
											2EH04535025	45.9	2	115.2	193.5	200	178	896	204.4	225	188	905
											2EH04537525	68.9	2	172.9	222.4	250	244	896	233.3	250	254	905
	460-3-60	8.8	74.6	19.2	147	8.8	74.6	1.3	18.7	4.3	None	-	-	-	65.5	80	70	428	69.8	80	75	432
											2EH04532546	23.0	1	28.8	65.5	80	70	428	69.8	80	75	432
											2EH04535046	45.9	2	57.6	95.4	100	88	428	100.8	110	93	432
											2EH04537546	68.9	2	86.4	109.8	125	121	428	115.2	125	126	432
	575-3-60	7.2	54	16.7	122	7.2	54	1.0	14.2	3.5	None	-	-	-	53.5	70	57	330	57.0	70	61	334
											2EH04532558	23.0	1	23.0	53.5	70	57	330	57.0	70	61	334
											2EH04535058	45.9	2	46.0	75.3	80	69	330	79.6	80	73	334
											2EH04537558	68.9	2	69.1	86.9	100	96	330	91.2	100	100	334

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Table 70: KK15 to KK25 VFD 4 stage high static with on/off power exhaust (for end return only)

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		Comp. 3		OD fan motors each FLA	Supply blower motor FLA	Pwr exh motor FLA	120V trans FLA	Electric heat option field installed kit				MCA (A)	Max f/b size A	Min disconnect rating		MCA w/ 120V trans (A)	Max f/b size w/ 120V trans (A)	Min disconnect rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
15 (15)	208-3-60	26.3	178.5	25.0	190			2.1	30.0	5.0	9.6	None	-	-	-	103.0	125	110	529	112.6	125	121	539
												2EH04532525	18.8	1	52.1	115.1	125	110	529	127.1	150	121	539
												2EH04535025	37.6	2	104.3	180.4	200	166	529	192.4	200	177	539
												2EH04537525	56.3	2	156.2	206.2	225	226	529	218.2	225	237	539
	230-3-60	26.3	178.5	25.0	190			2.1	30.0	5.0	8.7	None	-	-	-	103.0	125	110	529	111.7	125	120	538
												2EH04532525	23.0	1	57.7	122.1	125	112	529	133.0	150	122	538
												2EH04535025	45.9	2	115.2	194.0	200	178	529	204.9	225	188	538
												2EH04537525	68.9	2	172.9	222.9	250	245	529	233.8	250	255	538
	460-3-60	11.0	95.3	12.2	100			1.1	14.3	2.2	4.3	None	-	-	-	47.7	60	51	275	52.0	60	56	279
												2EH04532546	23.0	1	28.8	59.4	60	55	275	64.8	70	60	279
												2EH04535046	45.9	2	57.6	95.4	100	88	275	100.8	110	93	279
												2EH04537546	68.9	2	86.4	109.8	110	121	275	115.2	125	126	279
	575-3-60	9.2	65	9.3	72			0.9	11.5	1.5	3.5	None	-	-	-	37.7	45	40	196	41.2	50	44	200
												2EH04532558	23.0	1	23.0	46.9	50	43	196	51.3	60	47	200
												2EH04535058	45.9	2	46.0	75.6	80	70	196	80.0	90	74	200
												2EH04537558	68.9	2	69.1	87.2	90	96	196	91.6	100	100	200
18 (17.5)	208-3-60	26.8	190.7	28.5	255			2.0	39.6	5.0	9.6	None	-	-	-	122.8	150	130	664	132.4	150	141	674
												2EH04532525	18.8	1	52.1	127.1	150	130	664	139.1	150	141	674
												2EH04535025	37.6	2	104.3	192.4	200	177	664	204.4	225	188	674
												2EH04537525	56.3	2	156.2	218.2	250	237	664	230.2	250	248	674
	230-3-60	26.8	190.7	28.5	255			2.3	39.6	5.0	8.7	None	-	-	-	124.0	150	131	666	132.7	150	141	675
												2EH04532525	23.0	1	57.7	134.1	150	131	666	145.0	150	141	675
												2EH04535025	45.9	2	115.2	206.0	225	190	666	216.9	225	200	675
												2EH04537525	68.9	2	172.9	234.9	250	256	666	245.8	250	266	675
	460-3-60	12.5	100.2	13.5	123			1.3	18.7	2.2	4.3	None	-	-	-	59.0	70	62	334	63.3	80	67	338
												2EH04532546	23.0	1	28.8	64.9	70	62	334	70.3	80	67	338
												2EH04535046	45.9	2	57.6	100.9	110	93	334	106.3	110	98	338
												2EH04537546	68.9	2	86.4	115.3	125	126	334	120.7	125	131	338
	575-3-60	9.4	65	10.7	93.7			1.0	14.2	1.5	3.5	None	-	-	-	44.9	50	47	246	48.4	60	52	250
												2EH04532558	23.0	1	23.0	50.3	60	47	246	54.6	60	52	250
												2EH04535058	45.9	2	46.0	79.0	80	73	246	83.4	90	77	250
												2EH04537558	68.9	2	69.1	90.6	100	99	246	95.0	100	103	250
20 (20)	208-3-60	26.5	255	33.3	255			2.0	39.6	5.0	9.6	None	-	-	-	127.3	150	135	729	136.9	175	146	738
												2EH04532525	18.8	1	52.1	127.3	150	135	729	139.1	175	146	738
												2EH04535025	37.6	2	104.3	192.4	200	177	729	204.4	225	188	738
												2EH04537525	56.3	2	156.2	218.2	250	237	729	230.2	250	248	738
	230-3-60	26.5	255	33.3	255			2.3	39.6	5.0	8.7	None	-	-	-	128.5	150	136	731	137.2	175	146	739
												2EH04532525	23.0	1	57.7	134.1	150	136	731	145.0	175	146	739
												2EH04535025	45.9	2	115.2	206.0	225	190	731	216.9	225	200	739
												2EH04537525	68.9	2	172.9	234.9	250	256	731	245.8	250	266	739
	460-3-60	14.0	123	15.4	140			1.3	18.7	2.2	4.3	None	-	-	-	62.4	80	66	374	66.7	80	71	378
												2EH04532546	23.0	1	28.8	64.9	80	66	374	70.3	80	71	378
												2EH04535046	45.9	2	57.6	100.9	110	93	374	106.3	110	98	378
												2EH04537546	68.9	2	86.4	115.3	125	126	374	120.7	125	131	378
	575-3-60	11.5	93.7	12.9	107.6			1.0	14.2	1.5	3.5	None	-	-	-	49.2	60	52	289	52.7	60	56	292
												2EH04532558	23.0	1	23.0	50.3	60	52	289	54.6	60	56	292
												2EH04535058	45.9	2	46.0	79.0	80	73	289	83.4	90	77	292
												2EH04537558	68.9	2	69.1	90.6	100	99	289	95.0	100	103	292

Table 70: KK15 to KK25 VFD 4 stage high static with on/off power exhaust (for end return only)

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		Comp. 3		OD fan motors each FLA	Supply blower motor FLA	Pwr exh motor FLA	120V trans FLA	Electric heat option field installed kit				MCA (A)	Max f/b size A	Min disconnect rating		MCA w/ 120V trans (A)	Max f/b size w/ 120V trans (A)	Min disconnect rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
25 (25)	208-3-60	22.4	166.2	41.0	304	22.4	166.2	2.0	39.6	5.0	9.6	None	-	-	-	153.7	175	165	915	163.3	200	176	925
												2EH04532525	18.8	1	52.1	153.7	175	165	915	163.3	200	176	925
												2EH04535025	37.6	2	104.3	192.4	200	177	915	204.4	225	188	925
												2EH04537525	56.3	2	156.2	218.2	250	237	915	230.2	250	248	925
	230-3-60	22.4	166.2	41.0	304	22.4	166.2	2.3	39.6	5.0	8.7	None	-	-	-	154.9	175	166	917	163.6	200	176	926
												2EH04532525	23.0	1	57.7	154.9	175	166	917	163.6	200	176	926
												2EH04535025	45.9	2	115.2	206.0	225	190	917	216.9	225	200	926
												2EH04537525	68.9	2	172.9	234.9	250	256	917	245.8	250	266	926
	460-3-60	8.8	74.6	19.2	147	8.8	74.6	1.3	18.7	2.2	4.3	None	-	-	-	69.9	80	75	437	74.2	90	80	441
												2EH04532546	23.0	1	28.8	69.9	80	75	437	74.2	90	80	441
												2EH04535046	45.9	2	57.6	100.9	110	93	437	106.3	110	98	441
												2EH04537546	68.9	2	86.4	115.3	125	126	437	120.7	125	131	441
	575-3-60	7.2	54	16.7	122	7.2	54	1.0	14.2	1.5	3.5	None	-	-	-	56.5	70	60	336	60.0	70	64	340
												2EH04532558	23.0	1	23.0	56.5	70	60	336	60.0	70	64	340
												2EH04535058	45.9	2	46.0	79.0	80	73	336	83.4	90	77	340
												2EH04537558	68.9	2	69.1	90.6	100	99	336	95.0	100	103	340

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Table 71: KK15 to KK25 VFD 4 stage high static with modulating power exhaust (for end return only)

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		Comp. 3		OD fan motors each FLA	Supply blower motor FLA	Pwr exh motor FLA	120V trans FLA	Electric heat option field installed kit				MCA (A)	Max f/b size A	Min disconnect rating		MCA w/ 120V trans (A)	Max f/b size w/ 120V trans (A)	Min disconnect rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
15 (15)	208-3-60	26.3	178.5	25.0	190			2.1	30.0	6.7	9.6	None	-	-	-	106.4	125	114	521	116.0	125	125	531
												2EH04532525	18.8	1	52.1	119.4	125	114	521	131.4	150	125	531
												2EH04535025	37.6	2	104.3	184.6	200	170	521	196.6	200	181	531
												2EH04537525	56.3	2	156.2	210.5	225	230	521	222.5	225	241	531
	230-3-60	26.3	178.5	25.0	190			2.1	30.0	6.7	8.7	None	-	-	-	106.4	125	114	521	115.1	125	124	530
												2EH04532525	23.0	1	57.7	126.4	150	116	521	137.3	150	126	530
												2EH04535025	45.9	2	115.2	198.3	200	182	521	209.1	225	192	530
												2EH04537525	68.9	2	172.9	227.2	250	249	521	238.0	250	259	530
	460-3-60	11.0	95.3	12.2	100			1.1	14.3	3.4	4.3	None	-	-	-	50.1	60	53	272	54.4	60	58	277
												2EH04532546	23.0	1	28.8	62.4	70	57	272	67.8	70	62	277
												2EH04535046	45.9	2	57.6	98.4	100	91	272	103.8	110	95	277
												2EH04537546	68.9	2	86.4	112.8	125	124	272	118.2	125	129	277
	575-3-60	9.2	65	9.3	72			0.9	11.5	2.7	3.5	None	-	-	-	40.1	50	43	195	43.6	50	47	199
												2EH04532558	23.0	1	23.0	49.9	50	46	195	54.3	60	50	199
												2EH04535058	45.9	2	46.0	78.6	80	72	195	83.0	90	76	199
												2EH04537558	68.9	2	69.1	90.2	100	99	195	94.6	100	103	199
18 (17.5)	208-3-60	26.8	190.7	28.5	255			2.0	39.6	6.7	9.6	None	-	-	-	126.2	150	134	657	135.8	175	145	666
												2EH04532525	18.8	1	52.1	131.4	150	134	657	143.4	175	145	666
												2EH04535025	37.6	2	104.3	196.6	200	181	657	208.6	225	192	666
												2EH04537525	56.3	2	156.2	222.5	250	241	657	234.5	250	252	666
	230-3-60	26.8	190.7	28.5	255			2.3	39.6	6.7	8.7	None	-	-	-	127.4	150	135	659	136.1	175	145	667
												2EH04532525	23.0	1	57.7	138.4	150	135	659	149.3	175	145	667
												2EH04535025	45.9	2	115.2	210.3	225	193	659	221.1	225	203	667
												2EH04537525	68.9	2	172.9	239.2	250	260	659	250.0	250	270	667
	460-3-60	12.5	100.2	13.5	123			1.3	18.7	3.4	4.3	None	-	-	-	61.4	80	65	332	65.7	80	70	336
												2EH04532546	23.0	1	28.8	67.9	80	65	332	73.3	80	70	336
												2EH04535046	45.9	2	57.6	103.9	110	96	332	109.3	110	101	336
												2EH04537546	68.9	2	86.4	118.3	125	129	332	123.7	125	134	336
	575-3-60	9.4	65	10.7	93.7			1.0	14.2	2.7	3.5	None	-	-	-	47.3	60	50	245	50.8	60	54	249
												2EH04532558	23.0	1	23.0	53.3	60	50	245	57.6	60	54	249
												2EH04535058	45.9	2	46.0	82.0	90	75	245	86.4	90	79	249
												2EH04537558	68.9	2	69.1	93.6	100	102	245	98.0	110	106	249
20 (20)	208-3-60	26.5	255	33.3	255			2.0	39.6	6.7	9.6	None	-	-	-	130.7	150	139	721	140.3	175	150	731
												2EH04532525	18.8	1	52.1	131.4	150	139	721	143.4	175	150	731
												2EH04535025	37.6	2	104.3	196.6	200	181	721	208.6	225	192	731
												2EH04537525	56.3	2	156.2	222.5	250	241	721	234.5	250	252	731
	230-3-60	26.5	255	33.3	255			2.3	39.6	6.7	8.7	None	-	-	-	131.9	150	140	723	140.6	175	150	732
												2EH04532525	23.0	1	57.7	138.4	150	140	723	149.3	175	150	732
												2EH04535025	45.9	2	115.2	210.3	225	193	723	221.1	225	203	732
												2EH04537525	68.9	2	172.9	239.2	250	260	723	250.0	250	270	732
	460-3-60	14.0	123	15.4	140			1.3	18.7	3.4	4.3	None	-	-	-	64.8	80	69	371	69.1	80	74	376
												2EH04532546	23.0	1	28.8	67.9	80	69	371	73.3	80	74	376
												2EH04535046	45.9	2	57.6	103.9	110	96	371	109.3	110	101	376
												2EH04537546	68.9	2	86.4	118.3	125	129	371	123.7	125	134	376
	575-3-60	11.5	93.7	12.9	107.6			1.0	14.2	2.7	3.5	None	-	-	-	51.6	60	55	288	55.1	60	59	291
												2EH04532558	23.0	1	23.0	53.3	60	55	288	57.6	60	59	291
												2EH04535058	45.9	2	46.0	82.0	90	75	288	86.4	90	79	291
												2EH04537558	68.9	2	69.1	93.6	100	102	288	98.0	110	106	291

Table 71: KK15 to KK25 VFD 4 stage high static with modulating power exhaust (for end return only)

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		Comp. 3		OD fan motors each FLA	Supply blower motor FLA	Pwr exh motor FLA	120V trans FLA	Electric heat option field installed kit				MCA (A)	Max f/b size A	Min disconnect rating		MCA w/ 120V trans (A)	Max f/b size w/ 120V trans (A)	Min disconnect rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
25 (25)	208-3-60	22.4	166.2	41.0	304	22.4	166.2	2.0	39.6	6.7	9.6	None	-	-	-	157.1	175	169	907	166.7	200	180	917
												2EH04532525	18.8	1	52.1	157.1	175	169	907	166.7	200	180	917
												2EH04535025	37.6	2	104.3	196.6	200	181	907	208.6	225	192	917
												2EH04537525	56.3	2	156.2	222.5	250	241	907	234.5	250	252	917
	230-3-60	22.4	166.2	41.0	304	22.4	166.2	2.3	39.6	6.7	8.7	None	-	-	-	158.3	175	170	909	167.0	200	180	918
												2EH04532525	23.0	1	57.7	158.3	175	170	909	167.0	200	180	918
												2EH04535025	45.9	2	115.2	210.3	225	193	909	221.1	225	203	918
												2EH04537525	68.9	2	172.9	239.2	250	260	909	250.0	250	270	918
	460-3-60	8.8	74.6	19.2	147	8.8	74.6	1.3	18.7	3.4	4.3	None	-	-	-	72.3	90	78	435	76.6	90	83	439
												2EH04532546	23.0	1	28.8	72.3	90	78	435	76.6	90	83	439
												2EH04535046	45.9	2	57.6	103.9	110	96	435	109.3	110	101	439
												2EH04537546	68.9	2	86.4	118.3	125	129	435	123.7	125	134	439
	575-3-60	7.2	54	16.7	122	7.2	54	1.0	14.2	2.7	3.5	None	-	-	-	58.9	70	63	335	62.4	70	67	339
												2EH04532558	23.0	1	23.0	58.9	70	63	335	62.4	70	67	339
												2EH04535058	45.9	2	46.0	82.0	90	75	335	86.4	90	79	339
												2EH04537558	68.9	2	69.1	93.6	100	102	335	98.0	110	106	339

BHC Residential & Light Commercial LLC

VFD customer supplied standard static

Table 72: KK15 to KK25 and KS15 to KS25 VFD customer supplied standard static without power exhaust (for side and end return)

Size (ton)	Nominal Unit Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan Motors (each) FLA	Supply Blower Motor FLA	120V trans FLA	Electric Heat Option Field Installed Kit				MCA (A)	Max f/b Size (A)	Min Disconnect Rating		MCA w/ 120V trans (A)	Max f/b Size w/ 120V trans (A)	Min Disconnect Rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA				Model	kW	Stages	A			FLA	LRA			FLA	LRA
15 (15)	208-3-60	26.3	178.5	25.0	190			2.1	9.9	9.6	None	-	-	-	72.0	90	75	451	81.6	100	86	461
											2EH04532525	18.8	1	52.1	77.5	90	75	451	89.5	100	86	461
											2EH04535025	37.6	2	104.3	142.8	150	131	451	154.8	175	142	461
											2EH04537525	56.3	2	156.2	168.6	200	191	451	180.6	200	202	461
	230-3-60	26.3	178.5	25.0	190			2.1	9.4	8.7	None	-	-	-	71.5	90	75	459	80.2	100	85	468
											2EH04532525	23.0	1	57.7	83.9	90	77	459	94.8	100	87	468
											2EH04535025	45.9	2	115.2	155.8	175	143	459	166.6	175	153	468
											2EH04537525	68.9	2	172.9	184.7	200	210	459	195.5	225	220	468
	460-3-60	11.0	95.3	12.2	100			1.1	4.7	4.3	None	-	-	-	33.2	45	35	241	37.5	45	40	246
											2EH04532546	23.0	1	28.8	41.9	45	39	241	47.3	50	43	246
											2EH04535046	45.9	2	57.6	77.9	80	72	241	83.3	90	77	246
											2EH04537546	68.9	2	86.4	92.3	100	105	241	97.7	110	110	246
	575-3-60	9.2	65	9.3	72			0.9	4.3	3.5	None	-	-	-	26.9	35	28	181	30.4	35	32	185
											2EH04532558	23.0	1	23.0	34.1	35	31	181	38.5	40	35	185
											2EH04535058	45.9	2	46.0	62.9	70	58	181	67.3	70	62	185
											2EH04537558	68.9	2	69.1	74.5	80	84	181	78.9	90	88	185
18 (17.5)	208-3-60	26.8	190.7	28.5	255			2.0	13.5	9.6	None	-	-	-	83.9	110	88	566	93.5	110	99	576
											2EH04532525	18.8	1	52.1	83.9	110	88	566	94.0	110	99	576
											2EH04535025	37.6	2	104.3	147.3	150	135	566	159.3	175	147	576
											2EH04537525	56.3	2	156.2	173.1	200	195	566	185.1	200	206	576
	230-3-60	26.8	190.7	28.5	255			2.3	13.4	8.7	None	-	-	-	85.0	110	90	567	93.7	110	100	576
											2EH04532525	23.0	1	57.7	88.9	110	90	567	99.8	110	100	576
											2EH04535025	45.9	2	115.2	160.8	175	148	567	171.6	175	158	576
											2EH04537525	68.9	2	172.9	189.7	225	214	567	200.5	225	224	576
	460-3-60	12.5	100.2	13.5	123			1.3	6.7	4.3	None	-	-	-	41.3	50	44	286	45.6	50	49	290
											2EH04532546	23.0	1	28.8	44.4	50	44	286	49.8	50	49	290
											2EH04535046	45.9	2	57.6	80.4	90	74	286	85.8	90	79	290
											2EH04537546	68.9	2	86.4	94.8	110	107	286	100.2	110	112	290
	575-3-60	9.4	65	10.7	93.7			1.0	5.4	3.5	None	-	-	-	32.2	40	34	208	35.7	45	38	211
											2EH04532558	23.0	1	23.0	35.5	40	34	208	39.9	45	38	211
											2EH04535058	45.9	2	46.0	64.3	70	59	208	68.6	70	63	211
											2EH04537558	68.9	2	69.1	75.9	90	86	208	80.2	90	90	211
20 (20)	208-3-60	26.5	255	33.3	255			2.0	13.5	9.6	None	-	-	-	89.6	110	93	630	99.2	125	105	640
											2EH04532525	18.8	1	52.1	89.6	110	93	630	99.2	125	105	640
											2EH04535025	37.6	2	104.3	147.3	150	135	630	159.3	175	147	640
											2EH04537525	56.3	2	156.2	173.1	200	195	630	185.1	200	206	640
	230-3-60	26.5	255	33.3	255			2.3	13.4	8.7	None	-	-	-	90.7	110	95	632	99.4	125	105	640
											2EH04532525	23.0	1	57.7	90.7	110	95	632	99.8	125	105	640
											2EH04535025	45.9	2	115.2	160.8	175	148	632	171.6	175	158	640
											2EH04537525	68.9	2	172.9	189.7	225	214	632	200.5	225	224	640
	460-3-60	14.0	123	15.4	140			1.3	6.7	4.3	None	-	-	-	45.2	60	47	326	49.5	60	52	330
											2EH04532546	23.0	1	28.8	45.2	60	47	326	49.8	60	52	330
											2EH04535046	45.9	2	57.6	80.4	90	74	326	85.8	90	79	330
											2EH04537546	68.9	2	86.4	94.8	110	107	326	100.2	110	112	330
	575-3-60	11.5	93.7	12.9	107.6			1.0	5.4	3.5	None	-	-	-	37.0	45	39	251	40.5	50	43	254
											2EH04532558	23.0	1	23.0	37.0	45	39	251	40.5	50	43	254
											2EH04535058	45.9	2	46.0	64.3	70	59	251	68.6	70	63	254
											2EH04537558	68.9	2	69.1	75.9	90	86	251	80.2	90	90	254

Table 72: KK15 to KK25 and KS15 to KS25 VFD customer supplied standard static without power exhaust (for side and end return)

Size (ton)	Nominal Unit Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan Motors (each) FLA	Supply Blower Motor FLA	120V trans FLA	Electric Heat Option Field Installed Kit				MCA (A)	Max f/b Size (A)	Min Disconnect Rating		MCA w/ 120V trans (A)	Max f/b Size w/ 120V trans (A)	Min Disconnect Rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA				Model	kW	Stages	A			FLA	LRA			FLA	LRA
25 (25)	208-3-60	22.4	166.2	41.0	304	22.4	166.2	2.0	19.8	9.6	None	-	-	-	123.9	150	131	784	133.5	150	142	793
											2EH04532525	18.8	1	52.1	123.9	150	131	784	133.5	150	142	793
											2EH04535025	37.6	2	104.3	155.1	175	143	784	167.1	175	154	793
											2EH04537525	56.3	2	156.2	181.0	200	202	784	193.0	200	213	793
	230-3-60	22.4	166.2	41.0	304	22.4	166.2	2.3	19.8	8.7	None	-	-	-	125.1	150	132	786	133.8	150	142	794
											2EH04532525	23.0	1	57.7	125.1	150	132	786	133.8	150	142	794
											2EH04535025	45.9	2	115.2	168.8	175	155	786	179.6	200	165	794
											2EH04537525	68.9	2	172.9	197.7	225	222	786	208.5	225	232	794
	460-3-60	8.8	74.6	19.2	147	8.8	74.6	1.3	9.9	4.3	None	-	-	-	56.7	70	60	373	61.0	80	65	377
											2EH04532546	23.0	1	28.8	56.7	70	60	373	61.0	80	65	377
											2EH04535046	45.9	2	57.6	84.4	90	78	373	89.8	90	83	377
											2EH04537546	68.9	2	86.4	98.8	110	111	373	104.2	110	116	377
	575-3-60	7.2	54	16.7	122	7.2	54	1.0	7.9	3.5	None	-	-	-	47.2	60	49	288	50.7	60	53	292
											2EH04532558	23.0	1	23.0	47.2	60	49	288	50.7	60	53	292
											2EH04535058	45.9	2	46.0	67.4	70	62	288	71.8	80	66	292
											2EH04537558	68.9	2	69.1	79.0	90	89	288	83.4	90	93	292

Table 73: KK15 to KK25 VFD customer supplied standard static with on/off power exhaust (for end return only)

Size (ton)	Nominal Unit Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan Motors (each) FLA	Supply Blower Motor FLA	Pwr Exh Motor FLA	120V trans FLA	Electric Heat Option Field Installed Kit				MCA (A)	Max f/b Size (A)	Min Disconnect Rating		MCA w/ 120V trans (A)	Max f/b Size w/ 120V trans (A)	Min Disconnect Rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
15 (15)	208-3-60	26.3	178.5	25.0	190			2.1	9.9	5.0	9.6	None	-	-	-	82.0	100	87	472	91.6	110	98	482
												2EH04532525	18.8	1	52.1	90.0	100	87	472	102.0	110	98	482
												2EH04535025	37.6	2	104.3	155.3	175	143	472	167.3	175	154	482
												2EH04537525	56.3	2	156.2	181.1	200	203	472	193.1	200	214	482
	230-3-60	26.3	178.5	25.0	190			2.1	9.4	5.0	8.7	None	-	-	-	81.5	100	86	480	90.2	110	96	489
												2EH04532525	23.0	1	57.7	96.4	100	89	480	107.3	110	99	489
												2EH04535025	45.9	2	115.2	168.3	175	155	480	179.1	200	165	489
												2EH04537525	68.9	2	172.9	197.2	225	221	480	208.0	225	231	489
	460-3-60	11.0	95.3	12.2	100			1.1	4.7	2.2	4.3	None	-	-	-	37.6	45	40	250	41.9	50	45	255
												2EH04532546	23.0	1	28.8	47.4	50	44	250	52.8	60	49	255
												2EH04535046	45.9	2	57.6	83.4	90	77	250	88.8	90	82	255
												2EH04537546	68.9	2	86.4	97.8	110	110	250	103.2	110	115	255
	575-3-60	9.2	65	9.3	72			0.9	4.3	1.5	3.5	None	-	-	-	29.9	35	32	187	33.4	40	36	191
												2EH04532558	23.0	1	23.0	37.9	40	35	187	42.3	45	39	191
												2EH04535058	45.9	2	46.0	66.6	70	61	187	71.0	80	65	191
												2EH04537558	68.9	2	69.1	78.2	90	88	187	82.6	90	92	191
18 (17.5)	208-3-60	26.8	190.7	28.5	255			2.0	13.5	5.0	9.6	None	-	-	-	93.9	110	100	587	103.5	125	111	597
												2EH04532525	18.8	1	52.1	94.5	110	100	587	106.5	125	111	597
												2EH04535025	37.6	2	104.3	159.8	175	147	587	171.8	175	158	597
												2EH04537525	56.3	2	156.2	185.6	200	207	587	197.6	200	218	597
	230-3-60	26.8	190.7	28.5	255			2.3	13.4	5.0	8.7	None	-	-	-	95.0	110	101	588	103.7	125	111	597
												2EH04532525	23.0	1	57.7	101.4	110	101	588	112.3	125	111	597
												2EH04535025	45.9	2	115.2	173.3	175	159	588	184.1	200	169	597
												2EH04537525	68.9	2	172.9	202.2	225	226	588	213.0	225	236	597
	460-3-60	12.5	100.2	13.5	123			1.3	6.7	2.2	4.3	None	-	-	-	45.7	50	49	295	50.0	60	54	299
												2EH04532546	23.0	1	28.8	49.9	50	49	295	55.3	60	54	299
												2EH04535046	45.9	2	57.6	85.9	90	79	295	91.3	100	84	299
												2EH04537546	68.9	2	86.4	100.3	110	112	295	105.7	110	117	299
	575-3-60	9.4	65	10.7	93.7			1.0	5.4	1.5	3.5	None	-	-	-	35.2	45	37	214	38.7	45	41	218
												2EH04532558	23.0	1	23.0	39.3	45	37	214	43.6	45	41	218
												2EH04535058	45.9	2	46.0	68.0	70	63	214	72.4	80	67	218
												2EH04537558	68.9	2	69.1	79.6	90	89	214	84.0	90	93	218
20 (20)	208-3-60	26.5	255	33.3	255			2.0	13.5	5.0	9.6	None	-	-	-	99.6	125	105	651	109.2	125	116	661
												2EH04532525	18.8	1	52.1	99.6	125	105	651	109.2	125	116	661
												2EH04535025	37.6	2	104.3	159.8	175	147	651	171.8	175	158	661
												2EH04537525	56.3	2	156.2	185.6	200	207	651	197.6	200	218	661
	230-3-60	26.5	255	33.3	255			2.3	13.4	5.0	8.7	None	-	-	-	100.7	125	106	653	109.4	125	116	661
												2EH04532525	23.0	1	57.7	101.4	125	106	653	112.3	125	116	661
												2EH04535025	45.9	2	115.2	173.3	175	159	653	184.1	200	169	661
												2EH04537525	68.9	2	172.9	202.2	225	226	653	213.0	225	236	661
	460-3-60	14.0	123	15.4	140			1.3	6.7	2.2	4.3	None	-	-	-	49.6	60	53	335	53.9	60	58	339
												2EH04532546	23.0	1	28.8	49.9	60	53	335	55.3	60	58	339
												2EH04535046	45.9	2	57.6	85.9	90	79	335	91.3	100	84	339
												2EH04537546	68.9	2	86.4	100.3	110	112	335	105.7	110	117	339
	575-3-60	11.5	93.7	12.9	107.6			1.0	5.4	1.5	3.5	None	-	-	-	40.0	50	42	257	43.5	50	46	260
												2EH04532558	23.0	1	23.0	40.0	50	42	257	43.6	50	46	260
												2EH04535058	45.9	2	46.0	68.0	70	63	257	72.4	80	67	260
												2EH04537558	68.9	2	69.1	79.6	90	89	257	84.0	90	93	260

Table 73: KK15 to KK25 VFD customer supplied standard static with on/off power exhaust (for end return only)

Size (ton)	Nominal Unit Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan Motors (each) FLA	Supply Blower Motor FLA	Pwr Exh Motor FLA	120V trans FLA	Electric Heat Option Field Installed Kit				MCA (A)	Max f/b Size (A)	Min Disconnect Rating		MCA w/ 120V trans (A)	Max f/b Size w/ 120V trans (A)	Min Disconnect Rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
25 (25)	208-3-60	22.4	166.2	41.0	304	22.4	166.2	2.0	19.8	5.0	9.6	None	-	-	-	133.9	150	142	805	143.5	175	153	814
												2EH04532525	18.8	1	52.1	133.9	150	142	805	143.5	175	153	814
												2EH04535025	37.6	2	104.3	167.6	175	154	805	179.6	200	165	814
												2EH04537525	56.3	2	156.2	193.5	200	214	805	205.5	225	225	814
	230-3-60	22.4	166.2	41.0	304	22.4	166.2	2.3	19.8	5.0	8.7	None	-	-	-	135.1	175	144	807	143.8	175	154	815
												2EH04532525	23.0	1	57.7	135.1	175	144	807	143.8	175	154	815
												2EH04535025	45.9	2	115.2	181.3	200	167	807	192.1	200	177	815
												2EH04537525	68.9	2	172.9	210.2	225	233	807	221.0	225	243	815
	460-3-60	8.8	74.6	19.2	147	8.8	74.6	1.3	9.9	2.2	4.3	None	-	-	-	61.1	80	65	382	65.4	80	70	386
												2EH04532546	23.0	1	28.8	61.1	80	65	382	65.4	80	70	386
												2EH04535046	45.9	2	57.6	89.9	90	83	382	95.3	100	88	386
												2EH04537546	68.9	2	86.4	104.3	110	116	382	109.7	110	121	386
	575-3-60	7.2	54	16.7	122	7.2	54	1.0	7.9	1.5	3.5	None	-	-	-	50.2	60	53	294	53.7	70	57	298
												2EH04532558	23.0	1	23.0	50.2	60	53	294	53.7	70	57	298
												2EH04535058	45.9	2	46.0	71.1	80	65	294	75.5	80	69	298
												2EH04537558	68.9	2	69.1	82.7	90	92	294	87.1	90	96	298

Table 74: KK15 to KK25 VFD CS standard static with modulating power exhaust (for end return only)

Size (ton)	Nominal Unit Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan Motors (each) FLA	Supply Blower Motor FLA	Pwr Exh Motor FLA	120V trans FLA	Electric Heat Option Field Installed Kit				MCA (A)	Max f/b Size (A)	Min Disconnect Rating		MCA w/ 120V trans (A)	Max f/b Size w/ 120V trans (A)	Min Disconnect Rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
15 (15)	208-3-60	26.3	178.5	25.0	190			2.1	9.9	6.7	9.6	None	-	-	-	85.4	110	91	464	95.0	110	102	474
												2EH04532525	18.8	1	52.1	94.3	110	91	464	106.3	110	102	474
												2EH04535025	37.6	2	104.3	159.5	175	147	464	171.5	175	158	474
												2EH04537525	56.3	2	156.2	185.3	200	206	464	197.3	200	217	474
	230-3-60	26.3	178.5	25.0	190			2.1	9.4	6.7	8.7	None	-	-	-	84.9	110	90	473	93.6	110	100	481
												2EH04532525	23.0	1	57.7	100.6	110	93	473	111.5	125	103	481
												2EH04535025	45.9	2	115.2	172.5	175	159	473	183.4	200	169	481
												2EH04537525	68.9	2	172.9	201.4	225	225	473	212.3	225	235	481
	460-3-60	11.0	95.3	12.2	100			1.1	4.7	3.4	4.3	None	-	-	-	40.0	50	42	248	44.3	50	47	252
												2EH04532546	23.0	1	28.8	50.4	60	46	248	55.8	60	51	252
												2EH04535046	45.9	2	57.6	86.4	90	79	248	91.8	100	84	252
												2EH04537546	68.9	2	86.4	100.8	110	113	248	106.2	110	118	252
	575-3-60	9.2	65	9.3	72			0.9	4.3	2.7	3.5	None	-	-	-	32.3	40	35	186	35.8	45	39	190
												2EH04532558	23.0	1	23.0	40.9	45	38	186	45.3	50	42	190
												2EH04535058	45.9	2	46.0	69.6	70	64	186	74.0	80	68	190
												2EH04537558	68.9	2	69.1	81.2	90	91	186	85.6	90	95	190
18 (17.5)	208-3-60	26.8	190.7	28.5	255			2.0	13.5	6.7	9.6	None	-	-	-	97.3	125	104	580	106.9	125	115	589
												2EH04532525	18.8	1	52.1	98.8	125	104	580	110.8	125	115	589
												2EH04535025	37.6	2	104.3	164.0	175	151	580	176.0	200	162	589
												2EH04537525	56.3	2	156.2	189.8	200	211	580	201.8	225	222	589
	230-3-60	26.8	190.7	28.5	255			2.3	13.4	6.7	8.7	None	-	-	-	98.4	125	105	581	107.1	125	115	589
												2EH04532525	23.0	1	57.7	105.6	125	105	581	116.5	125	115	589
												2EH04535025	45.9	2	115.2	177.5	200	163	581	188.4	200	173	589
												2EH04537525	68.9	2	172.9	206.4	225	230	581	217.3	225	240	589
	460-3-60	12.5	100.2	13.5	123			1.3	6.7	3.4	4.3	None	-	-	-	48.1	60	51	293	52.4	60	56	297
												2EH04532546	23.0	1	28.8	52.9	60	51	293	58.3	60	56	297
												2EH04535046	45.9	2	57.6	88.9	90	82	293	94.3	100	87	297
												2EH04537546	68.9	2	86.4	103.3	110	115	293	108.7	110	120	297
	575-3-60	9.4	65	10.7	93.7			1.0	5.4	2.7	3.5	None	-	-	-	37.6	45	40	213	41.1	50	44	217
												2EH04532558	23.0	1	23.0	42.3	45	40	213	46.6	50	44	217
												2EH04535058	45.9	2	46.0	71.0	80	65	213	75.4	80	69	217
												2EH04537558	68.9	2	69.1	82.6	90	92	213	87.0	90	96	217
20 (20)	208-3-60	26.5	255	33.3	255			2.0	13.5	6.7	9.6	None	-	-	-	103.0	125	109	644	112.6	125	120	653
												2EH04532525	18.8	1	52.1	103.0	125	109	644	112.6	125	120	653
												2EH04535025	37.6	2	104.3	164.0	175	151	644	176.0	200	162	653
												2EH04537525	56.3	2	156.2	189.8	200	211	644	201.8	225	222	653
	230-3-60	26.5	255	33.3	255			2.3	13.4	6.7	8.7	None	-	-	-	104.1	125	110	645	112.8	125	120	654
												2EH04532525	23.0	1	57.7	105.6	125	110	645	116.5	125	120	654
												2EH04535025	45.9	2	115.2	177.5	200	163	645	188.4	200	173	654
												2EH04537525	68.9	2	172.9	206.4	225	230	645	217.3	225	240	654
	460-3-60	14.0	123	15.4	140			1.3	6.7	3.4	4.3	None	-	-	-	52.0	60	55	332	56.3	70	60	337
												2EH04532546	23.0	1	28.8	52.9	60	55	332	58.3	70	60	337
												2EH04535046	45.9	2	57.6	88.9	90	82	332	94.3	100	87	337
												2EH04537546	68.9	2	86.4	103.3	110	115	332	108.7	110	120	337
	575-3-60	11.5	93.7	12.9	107.6			1.0	5.4	2.7	3.5	None	-	-	-	42.4	50	45	256	45.9	50	49	259
												2EH04532558	23.0	1	23.0	42.4	50	45	256	46.6	50	49	259
												2EH04535058	45.9	2	46.0	71.0	80	65	256	75.4	80	69	259
												2EH04537558	68.9	2	69.1	82.6	90	92	256	87.0	90	96	259

Table 74: KK15 to KK25 VFD CS standard static with modulating power exhaust (for end return only)

Size (ton)	Nominal Unit Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan Motors (each) FLA	Supply Blower Motor FLA	Pwr Exh Motor FLA	120V trans FLA	Electric Heat Option Field Installed Kit				MCA (A)	Max f/b Size (A)	Min Disconnect Rating		MCA w/ 120V trans (A)	Max f/b Size w/ 120V trans (A)	Min Disconnect Rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
25 (25)	208-3-60	22.4	166.2	41.0	304	22.4	166.2	2.0	19.8	6.7	9.6	None	-	-	-	137.3	175	146	797	146.9	175	157	807
												2EH04532525	18.8	1	52.1	137.3	175	146	797	146.9	175	157	807
												2EH04535025	37.6	2	104.3	171.9	175	158	797	183.9	200	169	807
												2EH04537525	56.3	2	156.2	197.7	200	218	797	209.7	225	229	807
	230-3-60	22.4	166.2	41.0	304	22.4	166.2	2.3	19.8	6.7	8.7	None	-	-	-	138.5	175	147	799	147.2	175	157	808
												2EH04532525	23.0	1	57.7	138.5	175	147	799	147.2	175	157	808
												2EH04535025	45.9	2	115.2	185.5	200	171	799	196.4	200	181	808
												2EH04537525	68.9	2	172.9	214.4	225	237	799	225.3	250	247	808
	460-3-60	8.8	74.6	19.2	147	8.8	74.6	1.3	9.9	3.4	4.3	None	-	-	-	63.5	80	68	379	67.8	80	72	384
												2EH04532546	23.0	1	28.8	63.5	80	68	379	67.8	80	72	384
												2EH04535046	45.9	2	57.6	92.9	100	85	379	98.3	100	90	384
												2EH04537546	68.9	2	86.4	107.3	110	119	379	112.7	125	124	384
	575-3-60	7.2	54	16.7	122	7.2	54	1.0	7.9	2.7	3.5	None	-	-	-	52.6	60	56	293	56.1	70	60	297
												2EH04532558	23.0	1	23.0	52.6	60	56	293	56.1	70	60	297
												2EH04535058	45.9	2	46.0	74.1	80	68	293	78.5	80	72	297
												2EH04537558	68.9	2	69.1	85.7	90	95	293	90.1	100	99	297

VFD customer supplied medium static

Table 75: KK15 to KK25 and KS15 to KS25 VFD customer supplied medium static without power exhaust (for side and end return)

Size (ton)	Nominal Unit Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan Motors (each) FLA	Supply Blower Motor FLA	120V trans FLA	Electric Heat Option Field Installed Kit				MCA (A)	Max f/b Size (A)	Min Disconnect Rating		MCA w/ 120V trans (A)	Max f/b Size w/ 120V trans (A)	Min Disconnect Rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA				Model	kW	Stages	A			FLA	LRA			FLA	LRA
15 (15)	208-3-60	26.3	178.5	25.0	190			2.1	13.5	9.6	None	-	-	-	75.6	100	79	481	85.2	110	90	491
											2EH04532525	18.8	1	52.1	82.0	100	79	481	94.0	110	90	491
											2EH04535025	37.6	2	104.3	147.3	150	135	481	159.3	175	147	491
											2EH04537525	56.3	2	156.2	173.1	200	195	481	185.1	200	206	491
	230-3-60	26.3	178.5	25.0	190			2.1	13.4	8.7	None	-	-	-	75.5	100	79	481	84.2	110	89	489
											2EH04532525	23.0	1	57.7	88.9	100	82	481	99.8	110	92	489
											2EH04535025	45.9	2	115.2	160.8	175	148	481	171.6	175	158	489
											2EH04537525	68.9	2	172.9	189.7	225	214	481	200.5	225	224	489
	460-3-60	11.0	95.3	12.2	100			1.1	6.7	4.3	None	-	-	-	35.2	45	37	252	39.5	50	42	256
											2EH04532546	23.0	1	28.8	44.4	45	41	252	49.8	50	46	256
											2EH04535046	45.9	2	57.6	80.4	90	74	252	85.8	90	79	256
											2EH04537546	68.9	2	86.4	94.8	110	107	252	100.2	110	112	256
	575-3-60	9.2	65	9.3	72			0.9	5.4	3.5	None	-	-	-	28.0	35	30	181	31.5	40	34	185
											2EH04532558	23.0	1	23.0	35.5	40	33	181	39.9	40	37	185
											2EH04535058	45.9	2	46.0	64.3	70	59	181	68.6	70	63	185
											2EH04537558	68.9	2	69.1	75.9	90	86	181	80.2	90	90	185
18 (17.5)	208-3-60	26.8	190.7	28.5	255			2.0	19.8	9.6	None	-	-	-	90.2	110	96	593	99.8	125	107	602
											2EH04532525	18.8	1	52.1	90.2	110	96	593	101.9	125	107	602
											2EH04535025	37.6	2	104.3	155.1	175	143	593	167.1	175	154	602
											2EH04537525	56.3	2	156.2	181.0	200	202	593	193.0	200	213	602
	230-3-60	26.8	190.7	28.5	255			2.3	19.8	8.7	None	-	-	-	91.4	110	97	595	100.1	125	107	604
											2EH04532525	23.0	1	57.7	96.9	110	97	595	107.8	125	107	604
											2EH04535025	45.9	2	115.2	168.8	175	155	595	179.6	200	165	604
											2EH04537525	68.9	2	172.9	197.7	225	222	595	208.5	225	232	604
	460-3-60	12.5	100.2	13.5	123			1.3	9.9	4.3	None	-	-	-	44.5	50	47	300	48.8	60	52	304
											2EH04532546	23.0	1	28.8	48.4	50	47	300	53.8	60	52	304
											2EH04535046	45.9	2	57.6	84.4	90	78	300	89.8	90	83	304
											2EH04537546	68.9	2	86.4	98.8	110	111	300	104.2	110	116	304
	575-3-60	9.4	65	10.7	93.7			1.0	7.9	3.5	None	-	-	-	34.7	45	37	217	38.2	45	41	220
											2EH04532558	23.0	1	23.0	38.6	45	37	217	43.0	45	41	220
											2EH04535058	45.9	2	46.0	67.4	70	62	217	71.8	80	66	220
											2EH04537558	68.9	2	69.1	79.0	90	89	217	83.4	90	93	220
20 (20)	208-3-60	26.5	255	33.3	255			2.0	19.8	9.6	None	-	-	-	95.9	125	101	657	105.5	125	112	667
											2EH04532525	18.8	1	52.1	95.9	125	101	657	105.5	125	112	667
											2EH04535025	37.6	2	104.3	155.1	175	143	657	167.1	175	154	667
											2EH04537525	56.3	2	156.2	181.0	200	202	657	193.0	200	213	667
	230-3-60	26.5	255	33.3	255			2.3	19.8	8.7	None	-	-	-	97.1	125	102	659	105.8	125	112	668
											2EH04532525	23.0	1	57.7	97.1	125	102	659	107.8	125	112	668
											2EH04535025	45.9	2	115.2	168.8	175	155	659	179.6	200	165	668
											2EH04537525	68.9	2	172.9	197.7	225	222	659	208.5	225	232	668
	460-3-60	14.0	123	15.4	140			1.3	9.9	4.3	None	-	-	-	48.4	60	51	339	52.7	60	56	344
											2EH04532546	23.0	1	28.8	48.4	60	51	339	53.8	60	56	344
											2EH04535046	45.9	2	57.6	84.4	90	78	339	89.8	90	83	344
											2EH04537546	68.9	2	86.4	98.8	110	111	339	104.2	110	116	344
	575-3-60	11.5	93.7	12.9	107.6			1.0	7.9	3.5	None	-	-	-	39.5	50	42	259	43.0	50	46	263
											2EH04532558	23.0	1	23.0	39.5	50	42	259	43.0	50	46	263
											2EH04535058	45.9	2	46.0	67.4	70	62	259	71.8	80	66	263
											2EH04537558	68.9	2	69.1	79.0	90	89	259	83.4	90	93	263

Table 75: KK15 to KK25 and KS15 to KS25 VFD customer supplied medium static without power exhaust (for side and end return)

Size (ton)	Nominal Unit Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan Motors (each) FLA	Supply Blower Motor FLA	120V trans FLA	Electric Heat Option Field Installed Kit				MCA (A)	Max f/b Size (A)	Min Disconnect Rating		MCA w/ 120V trans (A)	Max f/b Size w/ 120V trans (A)	Min Disconnect Rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA				Model	kW	Stages	A			FLA	LRA			FLA	LRA
25 (25)	208-3-60	22.4	166.2	41.0	304	22.4	166.2	2.0	25.4	9.6	None	-	-	-	129.5	150	137	834	139.1	175	148	844
											2EH04532525	18.8	1	52.1	129.5	150	137	834	139.1	175	148	844
											2EH04535025	37.6	2	104.3	162.1	175	149	834	174.1	175	160	844
											2EH04537525	56.3	2	156.2	188.0	200	209	834	200.0	200	220	844
	230-3-60	22.4	166.2	41.0	304	22.4	166.2	2.3	25.4	8.7	None	-	-	-	130.7	150	138	836	139.4	175	148	845
											2EH04532525	23.0	1	57.7	130.7	150	138	836	139.4	175	148	845
											2EH04535025	45.9	2	115.2	175.8	200	162	836	186.6	200	172	845
											2EH04537525	68.9	2	172.9	204.7	225	228	836	215.5	225	238	845
	460-3-60	8.8	74.6	19.2	147	8.8	74.6	1.3	12.7	4.3	None	-	-	-	59.5	70	63	398	63.8	80	68	402
											2EH04532546	23.0	1	28.8	59.5	70	63	398	63.8	80	68	402
											2EH04535046	45.9	2	57.6	87.9	90	81	398	93.3	100	86	402
											2EH04537546	68.9	2	86.4	102.3	110	114	398	107.7	110	119	402
	575-3-60	7.2	54	16.7	122	7.2	54	1.0	10.5	3.5	None	-	-	-	49.8	60	52	311	53.3	70	56	314
											2EH04532558	23.0	1	23.0	49.8	60	52	311	53.3	70	56	314
											2EH04535058	45.9	2	46.0	70.6	80	65	311	75.0	80	69	314
											2EH04537558	68.9	2	69.1	82.2	90	92	311	86.6	90	96	314

Table 76: KK15 to KK25 VFD customer supplied medium static with on/off power exhaust (for end return only)

Size (ton)	Nominal Unit Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan Motors (each) FLA	Supply Blower Motor FLA	Pwr Exh Motor FLA	120V trans FLA	Electric Heat Option Field Installed Kit				MCA (A)	Max f/b Size (A)	Min Disconnect Rating		MCA w/ 120V trans (A)	Max f/b Size w/ 120V trans (A)	Min Disconnect Rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
15 (15)	208-3-60	26.3	178.5	25.0	190			2.1	13.5	5.0	9.6	None	-	-	-	85.6	110	91	502	95.2	110	102	512
												2EH04532525	18.8	1	52.1	94.5	110	91	502	106.5	110	102	512
												2EH04535025	37.6	2	104.3	159.8	175	147	502	171.8	175	158	512
												2EH04537525	56.3	2	156.2	185.6	200	207	502	197.6	200	218	512
	230-3-60	26.3	178.5	25.0	190			2.1	13.4	5.0	8.7	None	-	-	-	85.5	110	91	502	94.2	110	101	510
												2EH04532525	23.0	1	57.7	101.4	110	93	502	112.3	125	103	510
												2EH04535025	45.9	2	115.2	173.3	175	159	502	184.1	200	169	510
												2EH04537525	68.9	2	172.9	202.2	225	226	502	213.0	225	236	510
	460-3-60	11.0	95.3	12.2	100			1.1	6.7	2.2	4.3	None	-	-	-	39.6	50	42	261	43.9	50	47	265
												2EH04532546	23.0	1	28.8	49.9	50	46	261	55.3	60	51	265
												2EH04535046	45.9	2	57.6	85.9	90	79	261	91.3	100	84	265
												2EH04537546	68.9	2	86.4	100.3	110	112	261	105.7	110	117	265
	575-3-60	9.2	65	9.3	72			0.9	5.4	1.5	3.5	None	-	-	-	31.0	40	33	187	34.5	40	37	191
												2EH04532558	23.0	1	23.0	39.3	40	36	187	43.6	45	40	191
												2EH04535058	45.9	2	46.0	68.0	70	63	187	72.4	80	67	191
												2EH04537558	68.9	2	69.1	79.6	90	89	187	84.0	90	93	191
18 (17.5)	208-3-60	26.8	190.7	28.5	255			2.0	19.8	5.0	9.6	None	-	-	-	100.2	125	107	614	109.8	125	118	623
												2EH04532525	18.8	1	52.1	102.4	125	107	614	114.4	125	118	623
												2EH04535025	37.6	2	104.3	167.6	175	154	614	179.6	200	165	623
												2EH04537525	56.3	2	156.2	193.5	200	214	614	205.5	225	225	623
	230-3-60	26.8	190.7	28.5	255			2.3	19.8	5.0	8.7	None	-	-	-	101.4	125	108	616	110.1	125	118	625
												2EH04532525	23.0	1	57.7	109.4	125	108	616	120.3	125	118	625
												2EH04535025	45.9	2	115.2	181.3	200	167	616	192.1	200	177	625
												2EH04537525	68.9	2	172.9	210.2	225	233	616	221.0	225	243	625
	460-3-60	12.5	100.2	13.5	123			1.3	9.9	2.2	4.3	None	-	-	-	48.9	60	52	309	53.2	60	57	313
												2EH04532546	23.0	1	28.8	53.9	60	52	309	59.3	60	57	313
												2EH04535046	45.9	2	57.6	89.9	90	83	309	95.3	100	88	313
												2EH04537546	68.9	2	86.4	104.3	110	116	309	109.7	110	121	313
	575-3-60	9.4	65	10.7	93.7			1.0	7.9	1.5	3.5	None	-	-	-	37.7	45	40	223	41.2	50	44	227
												2EH04532558	23.0	1	23.0	42.4	45	40	223	46.8	50	44	227
												2EH04535058	45.9	2	46.0	71.1	80	65	223	75.5	80	69	227
												2EH04537558	68.9	2	69.1	82.7	90	92	223	87.1	90	96	227
20 (20)	208-3-60	26.5	255	33.3	255			2.0	19.8	5.0	9.6	None	-	-	-	105.9	125	112	678	115.5	125	123	688
												2EH04532525	18.8	1	52.1	105.9	125	112	678	115.5	125	123	688
												2EH04535025	37.6	2	104.3	167.6	175	154	678	179.6	200	165	688
												2EH04537525	56.3	2	156.2	193.5	200	214	678	205.5	225	225	688
	230-3-60	26.5	255	33.3	255			2.3	19.8	5.0	8.7	None	-	-	-	107.1	125	114	680	115.8	125	124	689
												2EH04532525	23.0	1	57.7	109.4	125	114	680	120.3	125	124	689
												2EH04535025	45.9	2	115.2	181.3	200	167	680	192.1	200	177	689
												2EH04537525	68.9	2	172.9	210.2	225	233	680	221.0	225	243	689
	460-3-60	14.0	123	15.4	140			1.3	9.9	2.2	4.3	None	-	-	-	52.8	60	56	349	57.1	70	61	353
												2EH04532546	23.0	1	28.8	53.9	60	56	349	59.3	70	61	353
												2EH04535046	45.9	2	57.6	89.9	90	83	349	95.3	100	88	353
												2EH04537546	68.9	2	86.4	104.3	110	116	349	109.7	110	121	353
	575-3-60	11.5	93.7	12.9	107.6			1.0	7.9	1.5	3.5	None	-	-	-	42.5	50	45	266	46.0	50	49	269
												2EH04532558	23.0	1	23.0	42.5	50	45	266	46.8	50	49	269
												2EH04535058	45.9	2	46.0	71.1	80	65	266	75.5	80	69	269
												2EH04537558	68.9	2	69.1	82.7	90	92	266	87.1	90	96	269

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Table 76: KK15 to KK25 VFD customer supplied medium static with on/off power exhaust (for end return only)

Size (ton)	Nominal Unit Voltage	Comp. 1		Comp. 2		Comp. 3		OD Fan Motors (each) FLA	Supply Blower Motor FLA	Pwr Exh Motor FLA	120V trans FLA	Electric Heat Option Field Installed Kit				MCA (A)	Max f/b Size (A)	Min Disconnect Rating		MCA w/ 120V trans (A)	Max f/b Size w/ 120V trans (A)	Min Disconnect Rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
25 (25)	208-3-60	22.4	166.2	41.0	304	22.4	166.2	2.0	25.4	5.0	9.6	None	-	-	-	139.5	175	149	855	149.1	175	160	865
												2EH04532525	18.8	1	52.1	139.5	175	149	855	149.1	175	160	865
												2EH04535025	37.6	2	104.3	174.6	175	161	855	186.6	200	172	865
												2EH04537525	56.3	2	156.2	200.5	225	220	855	212.5	225	231	865
	230-3-60	22.4	166.2	41.0	304	22.4	166.2	2.3	25.4	5.0	8.7	None	-	-	-	140.7	175	150	857	149.4	175	160	866
												2EH04532525	23.0	1	57.7	140.7	175	150	857	149.4	175	160	866
												2EH04535025	45.9	2	115.2	188.3	200	173	857	199.1	200	183	866
												2EH04537525	68.9	2	172.9	217.2	225	240	857	228.0	250	250	866
	460-3-60	8.8	74.6	19.2	147	8.8	74.6	1.3	12.7	2.2	4.3	None	-	-	-	63.9	80	68	407	68.2	80	73	411
												2EH04532546	23.0	1	28.8	63.9	80	68	407	68.2	80	73	411
												2EH04535046	45.9	2	57.6	93.4	100	86	407	98.8	100	91	411
												2EH04537546	68.9	2	86.4	107.8	110	119	407	113.2	125	124	411
	575-3-60	7.2	54	16.7	122	7.2	54	1.0	10.5	1.5	3.5	None	-	-	-	52.8	60	56	317	56.3	70	60	321
												2EH04532558	23.0	1	23.0	52.8	60	56	317	56.3	70	60	321
												2EH04535058	45.9	2	46.0	74.4	80	68	317	78.8	80	72	321
												2EH04537558	68.9	2	69.1	86.0	90	95	317	90.4	100	99	321

Table 77: KK15 to KK25 VFD customer supplied medium static with modulating power exhaust (for end return only)

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		Comp. 3		OD fan motors each FLA	Supply blower motor FLA	Pwr exh motor FLA	120V trans FLA	Electric heat option field installed kit				MCA (A)	Max f/b Size A	Min disconnect rating		MCA w/ 120V trans (A)	Max f/b size w/ 120V trans (A)	Min disconnect rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
15 (15)	208-3-60	26.3	178.5	25.0	190			2.1	13.5	6.7	9.6	None	-	-	-	89.0	110	95	495	98.6	110	106	504
												2EH04532525	18.8	1	52.1	98.8	110	95	495	110.8	125	106	504
												2EH04535025	37.6	2	104.3	164.0	175	151	495	176.0	200	162	504
												2EH04537525	56.3	2	156.2	189.8	200	211	495	201.8	225	222	504
	230-3-60	26.3	178.5	25.0	190			2.1	13.4	6.7	8.7	None	-	-	-	88.9	110	95	494	97.6	110	105	503
												2EH04532525	23.0	1	57.7	105.6	110	97	494	116.5	125	107	503
												2EH04535025	45.9	2	115.2	177.5	200	163	494	188.4	200	173	503
												2EH04537525	68.9	2	172.9	206.4	225	230	494	217.3	225	240	503
	460-3-60	11.0	95.3	12.2	100			1.1	6.7	3.4	4.3	None	-	-	-	42.0	50	45	259	46.3	50	50	263
												2EH04532546	23.0	1	28.8	52.9	60	49	259	58.3	60	54	263
												2EH04535046	45.9	2	57.6	88.9	90	82	259	94.3	100	87	263
												2EH04537546	68.9	2	86.4	103.3	110	115	259	108.7	110	120	263
	575-3-60	9.2	65	9.3	72			0.9	5.4	2.7	3.5	None	-	-	-	33.4	40	36	186	36.9	45	40	190
												2EH04532558	23.0	1	23.0	42.3	45	39	186	46.6	50	43	190
												2EH04535058	45.9	2	46.0	71.0	80	65	186	75.4	80	69	190
												2EH04537558	68.9	2	69.1	82.6	90	92	186	87.0	90	96	190
18 (17.5)	208-3-60	26.8	190.7	28.5	255			2.0	19.8	6.7	9.6	None	-	-	-	103.6	125	111	606	113.2	125	122	616
												2EH04532525	18.8	1	52.1	106.6	125	111	606	118.6	125	122	616
												2EH04535025	37.6	2	104.3	171.9	175	158	606	183.9	200	169	616
												2EH04537525	56.3	2	156.2	197.7	200	218	606	209.7	225	229	616
	230-3-60	26.8	190.7	28.5	255			2.3	19.8	6.7	8.7	None	-	-	-	104.8	125	112	608	113.5	125	122	617
												2EH04532525	23.0	1	57.7	113.6	125	112	608	124.5	125	122	617
												2EH04535025	45.9	2	115.2	185.5	200	171	608	196.4	200	181	617
												2EH04537525	68.9	2	172.9	214.4	225	237	608	225.3	250	247	617
	460-3-60	12.5	100.2	13.5	123			1.3	9.9	3.4	4.3	None	-	-	-	51.3	60	55	306	55.6	60	60	311
												2EH04532546	23.0	1	28.8	56.9	60	55	306	62.3	70	60	311
												2EH04535046	45.9	2	57.6	92.9	100	85	306	98.3	100	90	311
												2EH04537546	68.9	2	86.4	107.3	110	119	306	112.7	125	124	311
	575-3-60	9.4	65	10.7	93.7			1.0	7.9	2.7	3.5	None	-	-	-	40.1	50	43	222	43.6	50	47	226
												2EH04532558	23.0	1	23.0	45.4	50	43	222	49.8	50	47	226
												2EH04535058	45.9	2	46.0	74.1	80	68	222	78.5	80	72	226
												2EH04537558	68.9	2	69.1	85.7	90	95	222	90.1	100	99	226
20 (20)	208-3-60	26.5	255	33.3	255			2.0	19.8	6.7	9.6	None	-	-	-	109.3	125	116	671	118.9	150	127	680
												2EH04532525	18.8	1	52.1	109.3	125	116	671	118.9	150	127	680
												2EH04535025	37.6	2	104.3	171.9	175	158	671	183.9	200	169	680
												2EH04537525	56.3	2	156.2	197.7	200	218	671	209.7	225	229	680
	230-3-60	26.5	255	33.3	255			2.3	19.8	6.7	8.7	None	-	-	-	110.5	125	118	673	119.2	150	128	681
												2EH04532525	23.0	1	57.7	113.6	125	118	673	124.5	150	128	681
												2EH04535025	45.9	2	115.2	185.5	200	171	673	196.4	200	181	681
												2EH04537525	68.9	2	172.9	214.4	225	237	673	225.3	250	247	681
	460-3-60	14.0	123	15.4	140			1.3	9.9	3.4	4.3	None	-	-	-	55.2	70	59	346	59.5	70	64	350
												2EH04532546	23.0	1	28.8	56.9	70	59	346	62.3	70	64	350
												2EH04535046	45.9	2	57.6	92.9	100	85	346	98.3	100	90	350
												2EH04537546	68.9	2	86.4	107.3	110	119	346	112.7	125	124	350
	575-3-60	11.5	93.7	12.9	107.6			1.0	7.9	2.7	3.5	None	-	-	-	44.9	50	48	265	48.4	60	52	268
												2EH04532558	23.0	1	23.0	45.4	50	48	265	49.8	60	52	268
												2EH04535058	45.9	2	46.0	74.1	80	68	265	78.5	80	72	268
												2EH04537558	68.9	2	69.1	85.7	90	95	265	90.1	100	99	268

Table 77: KK15 to KK25 VFD customer supplied medium static with modulating power exhaust (for end return only)

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		Comp. 3		OD fan motors each FLA	Supply blower motor FLA	Pwr exh motor FLA	120V trans FLA	Electric heat option field installed kit				MCA (A)	Max f/b Size A	Min disconnect rating		MCA w/ 120V trans (A)	Max f/b size w/ 120V trans (A)	Min disconnect rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
25 (25)	208-3-60	22.4	166.2	41.0	304	22.4	166.2	2.0	25.4	6.7	9.6	None	-	-	-	142.9	175	152	847	152.5	175	164	857
												2EH04532525	18.8	1	52.1	142.9	175	152	847	152.5	175	164	857
												2EH04535025	37.6	2	104.3	178.9	200	165	847	190.9	200	176	857
												2EH04537525	56.3	2	156.2	204.7	225	224	847	216.7	225	235	857
	230-3-60	22.4	166.2	41.0	304	22.4	166.2	2.3	25.4	6.7	8.7	None	-	-	-	144.1	175	154	849	152.8	175	164	858
												2EH04532525	23.0	1	57.7	144.1	175	154	849	152.8	175	164	858
												2EH04535025	45.9	2	115.2	192.5	200	177	849	203.4	225	187	858
												2EH04537525	68.9	2	172.9	221.4	225	243	849	232.3	250	253	858
	460-3-60	8.8	74.6	19.2	147	8.8	74.6	1.3	12.7	3.4	4.3	None	-	-	-	66.3	80	71	405	70.6	80	76	409
												2EH04532546	23.0	1	28.8	66.3	80	71	405	70.6	80	76	409
												2EH04535046	45.9	2	57.6	96.4	100	89	405	101.8	110	94	409
												2EH04537546	68.9	2	86.4	110.8	125	122	405	116.2	125	127	409
	575-3-60	7.2	54	16.7	122	7.2	54	1.0	10.5	2.7	3.5	None	-	-	-	55.2	70	59	316	58.7	70	63	320
												2EH04532558	23.0	1	23.0	55.2	70	59	316	58.7	70	63	320
												2EH04535058	45.9	2	46.0	77.4	80	71	316	81.8	90	75	320
												2EH04537558	68.9	2	69.1	89.0	90	98	316	93.4	100	102	320

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VFD customer supplied high static

Table 78: KK15 to KK25 and KS15 to KS25 VFD customer supplied high static without power exhaust (for side and end return)

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		Comp. 3		OD fan motors each FLA	Supply blower motor FLA	120V trans FLA	Electric heat option field installed kit				MCA (A)	Max f/b Size A	Min disconnect rating		MCA w/ 120V trans (A)	Max f/b size w/ 120V trans (A)	Min disconnect rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA				Model	kW	Stages	A			FLA	LRA			FLA	LRA
15 (15)	208-3-60	26.3	178.5	25.0	190			2.1	19.8	9.6	None	-	-	-	81.9	100	87	508	91.5	110	98	518
											2EH04532525	18.8	1	52.1	89.9	100	87	508	101.9	110	98	518
											2EH04535025	37.6	2	104.3	155.1	175	143	508	167.1	175	154	518
											2EH04537525	56.3	2	156.2	181.0	200	202	508	193.0	200	213	518
	230-3-60	26.3	178.5	25.0	190			2.1	19.8	8.7	None	-	-	-	81.9	100	87	508	90.6	110	97	517
											2EH04532525	23.0	1	57.7	96.9	100	89	508	107.8	110	99	517
											2EH04535025	45.9	2	115.2	168.8	175	155	508	179.6	200	165	517
											2EH04537525	68.9	2	172.9	197.7	225	222	508	208.5	225	232	517
	460-3-60	11.0	95.3	12.2	100			1.1	9.9	4.3	None	-	-	-	38.4	50	41	266	42.7	50	46	270
											2EH04532546	23.0	1	28.8	48.4	50	45	266	53.8	60	49	270
											2EH04535046	45.9	2	57.6	84.4	90	78	266	89.8	90	83	270
											2EH04537546	68.9	2	86.4	98.8	110	111	266	104.2	110	116	270
	575-3-60	9.2	65	9.3	72			0.9	7.9	3.5	None	-	-	-	30.5	35	32	190	34.0	40	36	193
											2EH04532558	23.0	1	23.0	38.6	40	36	190	43.0	45	40	193
											2EH04535058	45.9	2	46.0	67.4	70	62	190	71.8	80	66	193
											2EH04537558	68.9	2	69.1	79.0	90	89	190	83.4	90	93	193
18 (17.5)	208-3-60	26.8	190.7	28.5	255			2.0	25.4	9.6	None	-	-	-	95.8	110	102	643	105.4	125	113	653
											2EH04532525	18.8	1	52.1	96.9	110	102	643	108.9	125	113	653
											2EH04535025	37.6	2	104.3	162.1	175	149	643	174.1	175	160	653
											2EH04537525	56.3	2	156.2	188.0	200	209	643	200.0	200	220	653
	230-3-60	26.8	190.7	28.5	255			2.3	25.4	8.7	None	-	-	-	97.0	125	103	645	105.7	125	113	654
											2EH04532525	23.0	1	57.7	103.9	125	103	645	114.8	125	113	654
											2EH04535025	45.9	2	115.2	175.8	200	162	645	186.6	200	172	654
											2EH04537525	68.9	2	172.9	204.7	225	228	645	215.5	225	238	654
	460-3-60	12.5	100.2	13.5	123			1.3	12.7	4.3	None	-	-	-	47.3	60	50	325	51.6	60	55	329
											2EH04532546	23.0	1	28.8	51.9	60	50	325	57.3	60	55	329
											2EH04535046	45.9	2	57.6	87.9	90	81	325	93.3	100	86	329
											2EH04537546	68.9	2	86.4	102.3	110	114	325	107.7	110	119	329
	575-3-60	9.4	65	10.7	93.7			1.0	10.5	3.5	None	-	-	-	37.3	45	40	240	40.8	50	44	243
											2EH04532558	23.0	1	23.0	41.9	45	40	240	46.3	50	44	243
											2EH04535058	45.9	2	46.0	70.6	80	65	240	75.0	80	69	243
											2EH04537558	68.9	2	69.1	82.2	90	92	240	86.6	90	96	243
20 (20)	208-3-60	26.5	255	33.3	255			2.0	25.4	9.6	None	-	-	-	101.5	125	107	708	111.1	125	118	717
											2EH04532525	18.8	1	52.1	101.5	125	107	708	111.1	125	118	717
											2EH04535025	37.6	2	104.3	162.1	175	149	708	174.1	175	160	717
											2EH04537525	56.3	2	156.2	188.0	200	209	708	200.0	200	220	717
	230-3-60	26.5	255	33.3	255			2.3	25.4	8.7	None	-	-	-	102.7	125	109	710	111.4	125	119	718
											2EH04532525	23.0	1	57.7	103.9	125	109	710	114.8	125	119	718
											2EH04535025	45.9	2	115.2	175.8	200	162	710	186.6	200	172	718
											2EH04537525	68.9	2	172.9	204.7	225	228	710	215.5	225	238	718
	460-3-60	14.0	123	15.4	140			1.3	12.7	4.3	None	-	-	-	51.2	60	54	365	55.5	70	59	369
											2EH04532546	23.0	1	28.8	51.9	60	54	365	57.3	70	59	369
											2EH04535046	45.9	2	57.6	87.9	90	81	365	93.3	100	86	369
											2EH04537546	68.9	2	86.4	102.3	110	114	365	107.7	110	119	369
	575-3-60	11.5	93.7	12.9	107.6			1.0	10.5	3.5	None	-	-	-	42.1	50	45	282	45.6	50	49	286
											2EH04532558	23.0	1	23.0	42.1	50	45	282	46.3	50	49	286
											2EH04535058	45.9	2	46.0	70.6	80	65	282	75.0	80	69	286
											2EH04537558	68.9	2	69.1	82.2	90	92	282	86.6	90	96	286

Table 78: KK15 to KK25 and KS15 to KS25 VFD customer supplied high static without power exhaust (for side and end return)

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		Comp. 3		OD fan motors each FLA	Supply blower motor FLA	120V trans FLA	Electric heat option field installed kit				MCA (A)	Max f/b Size A	Min disconnect rating		MCA w/ 120V trans (A)	Max f/b size w/ 120V trans (A)	Min disconnect rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA				Model	kW	Stages	A			FLA	LRA			FLA	LRA
25 (25)	208-3-60	22.4	166.2	41.0	304	22.4	166.2	2.0	30.2	9.6	None	-	-	-	134.3	175	143	894	143.9	175	154	904
											2EH04532525	18.8	1	52.1	134.3	175	143	894	143.9	175	154	904
											2EH04535025	37.6	2	104.3	168.1	175	155	894	180.1	200	166	904
											2EH04537525	56.3	2	156.2	194.0	200	214	894	206.0	225	225	904
	230-3-60	22.4	166.2	41.0	304	22.4	166.2	2.3	30.2	8.7	None	-	-	-	135.5	175	144	896	144.2	175	154	905
											2EH04532525	23.0	1	57.7	135.5	175	144	896	144.2	175	154	905
											2EH04535025	45.9	2	115.2	181.8	200	167	896	192.6	200	177	905
											2EH04537525	68.9	2	172.9	210.7	225	234	896	221.5	225	244	905
	460-3-60	8.8	74.6	19.2	147	8.8	74.6	1.3	15.1	4.3	None	-	-	-	61.9	80	66	428	66.2	80	71	432
											2EH04532546	23.0	1	28.8	61.9	80	66	428	66.2	80	71	432
											2EH04535046	45.9	2	57.6	90.9	100	84	428	96.3	100	89	432
											2EH04537546	68.9	2	86.4	105.3	110	117	428	110.7	125	122	432
	575-3-60	7.2	54	16.7	122	7.2	54	1.0	12.0	3.5	None	-	-	-	51.3	60	54	330	54.8	70	58	334
											2EH04532558	23.0	1	23.0	51.3	60	54	330	54.8	70	58	334
											2EH04535058	45.9	2	46.0	72.5	80	67	330	76.9	80	71	334
											2EH04537558	68.9	2	69.1	84.1	90	93	330	88.5	90	97	334

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Table 79: KK15 to KK25 VFD customer supplied high static with on/off power exhaust (for end return only)

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		Comp. 3		OD fan motors each FLA	Supply blower motor FLA	Pwr exh motor FLA	120V trans FLA	Electric heat option field installed kit				MCA (A)	Max f/b Size A	Min disconnect rating		MCA w/ 120V trans (A)	Max f/b size w/ 120V trans (A)	Min disconnect rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
15 (15)	208-3-60	26.3	178.5	25.0	190			2.1	19.8	5.0	9.6	None	-	-	-	91.9	110	98	529	101.5	125	109	539
												2EH04532525	18.8	1	52.1	102.4	110	98	529	114.4	125	109	539
												2EH04535025	37.6	2	104.3	167.6	175	154	529	179.6	200	165	539
												2EH04537525	56.3	2	156.2	193.5	200	214	529	205.5	225	225	539
	230-3-60	26.3	178.5	25.0	190			2.1	19.8	5.0	8.7	None	-	-	-	91.9	110	98	529	100.6	125	108	538
												2EH04532525	23.0	1	57.7	109.4	110	101	529	120.3	125	111	538
												2EH04535025	45.9	2	115.2	181.3	200	167	529	192.1	200	177	538
												2EH04537525	68.9	2	172.9	210.2	225	233	529	221.0	225	243	538
	460-3-60	11.0	95.3	12.2	100			1.1	9.9	2.2	4.3	None	-	-	-	42.8	50	46	275	47.1	50	51	279
												2EH04532546	23.0	1	28.8	53.9	60	50	275	59.3	60	55	279
												2EH04535046	45.9	2	57.6	89.9	90	83	275	95.3	100	88	279
												2EH04537546	68.9	2	86.4	104.3	110	116	275	109.7	110	121	279
	575-3-60	9.2	65	9.3	72			0.9	7.9	1.5	3.5	None	-	-	-	33.5	40	36	196	37.0	45	40	200
												2EH04532558	23.0	1	23.0	42.4	45	39	196	46.8	50	43	200
												2EH04535058	45.9	2	46.0	71.1	80	65	196	75.5	80	69	200
												2EH04537558	68.9	2	69.1	82.7	90	92	196	87.1	90	96	200
18 (17.5)	208-3-60	26.8	190.7	28.5	255			2.0	25.4	5.0	9.6	None	-	-	-	105.8	125	114	664	115.4	125	125	674
												2EH04532525	18.8	1	52.1	109.4	125	114	664	121.4	125	125	674
												2EH04535025	37.6	2	104.3	174.6	175	161	664	186.6	200	172	674
												2EH04537525	56.3	2	156.2	200.5	225	220	664	212.5	225	231	674
	230-3-60	26.8	190.7	28.5	255			2.3	25.4	5.0	8.7	None	-	-	-	107.0	125	115	666	115.7	125	125	675
												2EH04532525	23.0	1	57.7	116.4	125	115	666	127.3	150	125	675
												2EH04535025	45.9	2	115.2	188.3	200	173	666	199.1	200	183	675
												2EH04537525	68.9	2	172.9	217.2	225	240	666	228.0	250	250	675
	460-3-60	12.5	100.2	13.5	123			1.3	12.7	2.2	4.3	None	-	-	-	51.7	60	56	334	56.0	60	60	338
												2EH04532546	23.0	1	28.8	57.4	60	56	334	62.8	70	60	338
												2EH04535046	45.9	2	57.6	93.4	100	86	334	98.8	100	91	338
												2EH04537546	68.9	2	86.4	107.8	110	119	334	113.2	125	124	338
	575-3-60	9.4	65	10.7	93.7			1.0	10.5	1.5	3.5	None	-	-	-	40.3	50	43	246	43.8	50	47	250
												2EH04532558	23.0	1	23.0	45.6	50	43	246	50.0	50	47	250
												2EH04535058	45.9	2	46.0	74.4	80	68	246	78.8	80	72	250
												2EH04537558	68.9	2	69.1	86.0	90	95	246	90.4	100	99	250
20 (20)	208-3-60	26.5	255	33.3	255			2.0	25.4	5.0	9.6	None	-	-	-	111.5	125	119	729	121.1	150	130	738
												2EH04532525	18.8	1	52.1	111.5	125	119	729	121.4	150	130	738
												2EH04535025	37.6	2	104.3	174.6	175	161	729	186.6	200	172	738
												2EH04537525	56.3	2	156.2	200.5	225	220	729	212.5	225	231	738
	230-3-60	26.5	255	33.3	255			2.3	25.4	5.0	8.7	None	-	-	-	112.7	125	120	731	121.4	150	130	739
												2EH04532525	23.0	1	57.7	116.4	125	120	731	127.3	150	130	739
												2EH04535025	45.9	2	115.2	188.3	200	173	731	199.1	200	183	739
												2EH04537525	68.9	2	172.9	217.2	225	240	731	228.0	250	250	739
	460-3-60	14.0	123	15.4	140			1.3	12.7	2.2	4.3	None	-	-	-	55.6	70	59	374	59.9	70	64	378
												2EH04532546	23.0	1	28.8	57.4	70	59	374	62.8	70	64	378
												2EH04535046	45.9	2	57.6	93.4	100	86	374	98.8	100	91	378
												2EH04537546	68.9	2	86.4	107.8	110	119	374	113.2	125	124	378
	575-3-60	11.5	93.7	12.9	107.6			1.0	10.5	1.5	3.5	None	-	-	-	45.1	50	48	289	48.6	60	52	292
												2EH04532558	23.0	1	23.0	45.6	50	48	289	50.0	60	52	292
												2EH04535058	45.9	2	46.0	74.4	80	68	289	78.8	80	72	292
												2EH04537558	68.9	2	69.1	86.0	90	95	289	90.4	100	99	292

Table 79: KK15 to KK25 VFD customer supplied high static with on/off power exhaust (for end return only)

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		Comp. 3		OD fan motors each FLA	Supply blower motor FLA	Pwr exh motor FLA	120V trans FLA	Electric heat option field installed kit				MCA (A)	Max f/b Size A	Min disconnect rating		MCA w/ 120V trans (A)	Max f/b size w/ 120V trans (A)	Min disconnect rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
25 (25)	208-3-60	22.4	166.2	41.0	304	22.4	166.2	2.0	30.2	5.0	9.6	None	-	-	-	144.3	175	154	915	153.9	175	165	925
												2EH04532525	18.8	1	52.1	144.3	175	154	915	153.9	175	165	925
												2EH04535025	37.6	2	104.3	180.6	200	166	915	192.6	200	177	925
												2EH04537525	56.3	2	156.2	206.5	225	226	915	218.5	225	237	925
	230-3-60	22.4	166.2	41.0	304	22.4	166.2	2.3	30.2	5.0	8.7	None	-	-	-	145.5	175	155	917	154.2	175	165	926
												2EH04532525	23.0	1	57.7	145.5	175	155	917	154.2	175	165	926
												2EH04535025	45.9	2	115.2	194.3	200	179	917	205.1	225	189	926
												2EH04537525	68.9	2	172.9	223.2	250	245	917	234.0	250	255	926
	460-3-60	8.8	74.6	19.2	147	8.8	74.6	1.3	15.1	2.2	4.3	None	-	-	-	66.3	80	71	437	70.6	80	76	441
												2EH04532546	23.0	1	28.8	66.3	80	71	437	70.6	80	76	441
												2EH04535046	45.9	2	57.6	96.4	100	89	437	101.8	110	94	441
												2EH04537546	68.9	2	86.4	110.8	125	122	437	116.2	125	127	441
	575-3-60	7.2	54	16.7	122	7.2	54	1.0	12.0	1.5	3.5	None	-	-	-	54.3	70	58	336	57.8	70	62	340
												2EH04532558	23.0	1	23.0	54.3	70	58	336	57.8	70	62	340
												2EH04535058	45.9	2	46.0	76.3	80	70	336	80.6	90	74	340
												2EH04537558	68.9	2	69.1	87.9	90	97	336	92.2	100	101	340

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Table 80: KK15 to KK25 VFD customer supplied high static with modulating power exhaust (for end return only)

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		Comp. 3		OD fan motors each FLA	Supply blower motor FLA	Pwr exh motor FLA	120V trans FLA	Electric heat option field installed kit				MCA (A)	Max f/b Size A	Min disconnect rating		MCA w/ 120V trans (A)	Max f/b size w/ 120V trans (A)	Min disconnect rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
15 (15)	208-3-60	26.3	178.5	25.0	190			2.1	19.8	6.7	9.6	None	-	-	-	95.3	110	102	521	104.9	125	113	531
												2EH04532525	18.8	1	52.1	106.6	110	102	521	118.6	125	113	531
												2EH04535025	37.6	2	104.3	171.9	175	158	521	183.9	200	169	531
												2EH04537525	56.3	2	156.2	197.7	200	218	521	209.7	225	229	531
	230-3-60	26.3	178.5	25.0	190			2.1	19.8	6.7	8.7	None	-	-	-	95.3	110	102	521	104.0	125	112	530
												2EH04532525	23.0	1	57.7	113.6	125	105	521	124.5	125	115	530
												2EH04535025	45.9	2	115.2	185.5	200	171	521	196.4	200	181	530
												2EH04537525	68.9	2	172.9	214.4	225	237	521	225.3	250	247	530
	460-3-60	11.0	95.3	12.2	100			1.1	9.9	3.4	4.3	None	-	-	-	45.2	50	48	272	49.5	60	53	277
												2EH04532546	23.0	1	28.8	56.9	60	52	272	62.3	70	57	277
												2EH04535046	45.9	2	57.6	92.9	100	85	272	98.3	100	90	277
												2EH04537546	68.9	2	86.4	107.3	110	119	272	112.7	125	124	277
	575-3-60	9.2	65	9.3	72			0.9	7.9	2.7	3.5	None	-	-	-	35.9	45	39	195	39.4	45	43	199
												2EH04532558	23.0	1	23.0	45.4	50	42	195	49.8	50	46	199
												2EH04535058	45.9	2	46.0	74.1	80	68	195	78.5	80	72	199
												2EH04537558	68.9	2	69.1	85.7	90	95	195	90.1	100	99	199
18 (17.5)	208-3-60	26.8	190.7	28.5	255			2.0	25.4	6.7	9.6	None	-	-	-	109.2	125	117	657	118.8	125	128	666
												2EH04532525	18.8	1	52.1	113.6	125	117	657	125.6	150	128	666
												2EH04535025	37.6	2	104.3	178.9	200	165	657	190.9	200	176	666
												2EH04537525	56.3	2	156.2	204.7	225	224	657	216.7	225	235	666
	230-3-60	26.8	190.7	28.5	255			2.3	25.4	6.7	8.7	None	-	-	-	110.4	125	119	659	119.1	125	129	667
												2EH04532525	23.0	1	57.7	120.6	125	119	659	131.5	150	129	667
												2EH04535025	45.9	2	115.2	192.5	200	177	659	203.4	225	187	667
												2EH04537525	68.9	2	172.9	221.4	225	243	659	232.3	250	253	667
	460-3-60	12.5	100.2	13.5	123			1.3	12.7	3.4	4.3	None	-	-	-	54.1	60	58	332	58.4	70	63	336
												2EH04532546	23.0	1	28.8	60.4	70	58	332	65.8	70	63	336
												2EH04535046	45.9	2	57.6	96.4	100	89	332	101.8	110	94	336
												2EH04537546	68.9	2	86.4	110.8	125	122	332	116.2	125	127	336
	575-3-60	9.4	65	10.7	93.7			1.0	10.5	2.7	3.5	None	-	-	-	42.7	50	46	245	46.2	50	50	249
												2EH04532558	23.0	1	23.0	48.6	50	46	245	53.0	60	50	249
												2EH04535058	45.9	2	46.0	77.4	80	71	245	81.8	90	75	249
												2EH04537558	68.9	2	69.1	89.0	90	98	245	93.4	100	102	249
20 (20)	208-3-60	26.5	255	33.3	255			2.0	25.4	6.7	9.6	None	-	-	-	114.9	125	123	721	124.5	150	134	731
												2EH04532525	18.8	1	52.1	114.9	125	123	721	125.6	150	134	731
												2EH04535025	37.6	2	104.3	178.9	200	165	721	190.9	200	176	731
												2EH04537525	56.3	2	156.2	204.7	225	224	721	216.7	225	235	731
	230-3-60	26.5	255	33.3	255			2.3	25.4	6.7	8.7	None	-	-	-	116.1	125	124	723	124.8	150	134	732
												2EH04532525	23.0	1	57.7	120.6	125	124	723	131.5	150	134	732
												2EH04535025	45.9	2	115.2	192.5	200	177	723	203.4	225	187	732
												2EH04537525	68.9	2	172.9	221.4	225	243	723	232.3	250	253	732
	460-3-60	14.0	123	15.4	140			1.3	12.7	3.4	4.3	None	-	-	-	58.0	70	62	371	62.3	70	67	376
												2EH04532546	23.0	1	28.8	60.4	70	62	371	65.8	70	67	376
												2EH04535046	45.9	2	57.6	96.4	100	89	371	101.8	110	94	376
												2EH04537546	68.9	2	86.4	110.8	125	122	371	116.2	125	127	376
	575-3-60	11.5	93.7	12.9	107.6			1.0	10.5	2.7	3.5	None	-	-	-	47.5	60	51	288	51.0	60	55	291
												2EH04532558	23.0	1	23.0	48.6	60	51	288	53.0	60	55	291
												2EH04535058	45.9	2	46.0	77.4	80	71	288	81.8	90	75	291
												2EH04537558	68.9	2	69.1	89.0	90	98	288	93.4	100	102	291

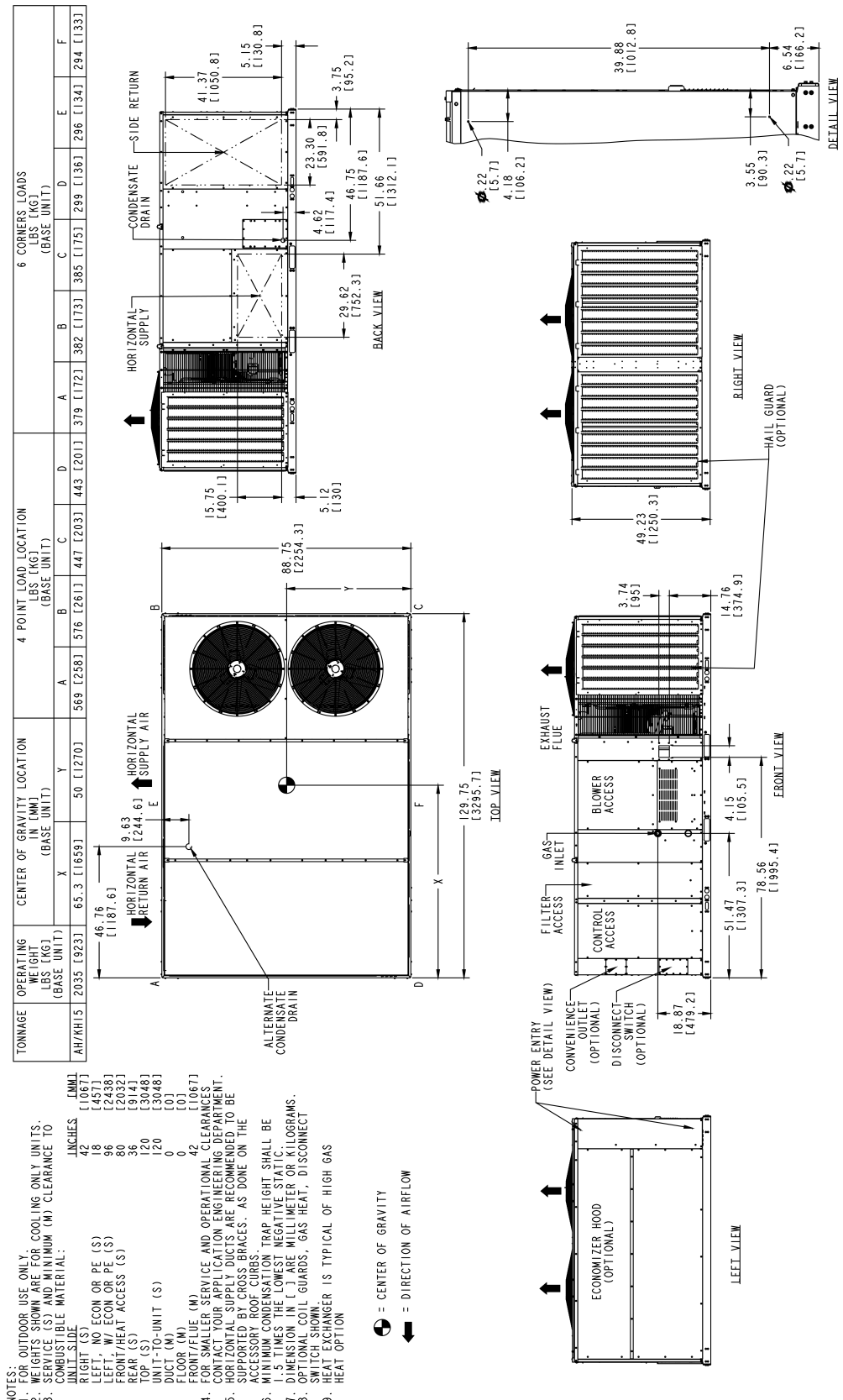
Table 80: KK15 to KK25 VFD customer supplied high static with modulating power exhaust (for end return only)

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		Comp. 3		OD fan motors each FLA	Supply blower motor FLA	Pwr exh motor FLA	120V trans FLA	Electric heat option field installed kit				MCA (A)	Max f/b Size A	Min disconnect rating		MCA w/ 120V trans (A)	Max f/b size w/ 120V trans (A)	Min disconnect rating/ 120V trans	
		RLA	LRA	RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
25 (25)	208-3-60	22.4	166.2	41.0	304	22.4	166.2	2.0	30.2	6.7	9.6	None	-	-	-	147.7	175	158	907	157.3	175	169	917
												2EH04532525	18.8	1	52.1	147.7	175	158	907	157.3	175	169	917
												2EH04535025	37.6	2	104.3	184.9	200	170	907	196.9	200	181	917
												2EH04537525	56.3	2	156.2	210.7	225	230	907	222.7	225	241	917
	230-3-60	22.4	166.2	41.0	304	22.4	166.2	2.3	30.2	6.7	8.7	None	-	-	-	148.9	175	159	909	157.6	175	169	918
												2EH04532525	23.0	1	57.7	148.9	175	159	909	157.6	175	169	918
												2EH04535025	45.9	2	115.2	198.5	200	183	909	209.4	225	193	918
												2EH04537525	68.9	2	172.9	227.4	250	249	909	238.3	250	259	918
	460-3-60	8.8	74.6	19.2	147	8.8	74.6	1.3	15.1	3.4	4.3	None	-	-	-	68.7	80	73	435	73.0	90	78	439
												2EH04532546	23.0	1	28.8	68.7	80	73	435	73.0	90	78	439
												2EH04535046	45.9	2	57.6	99.4	100	91	435	104.8	110	96	439
												2EH04537546	68.9	2	86.4	113.8	125	125	435	119.2	125	129	439
	575-3-60	7.2	54	16.7	122	7.2	54	1.0	12.0	2.7	3.5	None	-	-	-	56.7	70	60	335	60.2	70	64	339
												2EH04532558	23.0	1	23.0	56.7	70	60	335	60.2	70	64	339
												2EH04535058	45.9	2	46.0	79.3	80	73	335	83.6	90	77	339
												2EH04537558	68.9	2	69.1	90.9	100	99	335	95.2	100	104	339

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Weights and dimensions

Figure 9: KS15 and KK15 physical dimensions



TONNAGE	OPERATING WEIGHT LBS [KG] (BASE UNIT)	CENTER OF GRAVITY LOCATION IN [MM] (BASE UNIT)		4 POINT LOAD LOCATION LBS [KG] (BASE UNIT)				6 CORNERS LOADS LBS [KG] (BASE UNIT)					
		X	Y	A	B	C	D	A	B	C	D	E	F
AL/KL15	2035 [923]	65.3 [1659]	50 [1270]	569 [258]	576 [261]	447 [203]	443 [201]	379 [172]	382 [173]	385 [175]	299 [136]	296 [134]	294 [133]

NOTES:
1. FOR OUTDOOR USE ONLY.
2. WEIGHTS SHOWN ARE FOR COOLING ONLY UNITS.
3. SERVICE (S) AND MINIMUM (M) CLEARANCE TO COMBUSTIBLE MATERIAL:

UNIT SIDE	INCHES	[MM]
RIGHT (S)	42	[1067]
LEFT, NO ECON OR PE (S)	18	[457]
LEFT, W/ ECON OR PE (S)	96	[2438]
FRONT/HEAT ACCESS (S)	80	[2032]
REAR (S)	36	[914]
TOP (S)	120	[3048]
UNIT-TO-UNIT (S)	120	[3048]
DUCT (M)	0	[0]
FLOOR (M)	0	[0]
FRONT/FLUE (M)	42	[1067]

4. FOR SMALLER SERVICE AND OPERATIONAL CLEARANCES, CONTACT YOUR APPLICATION ENGINEERING DEPARTMENT.
5. HORIZONTAL SUPPLY DUCTS ARE RECOMMENDED TO BE SUPPORTED BY CROSS BRACES. AS DONE ON THE ACCESSORY ROOF CURBS.
6. MINIMUM CONDENSATION TRAP HEIGHT SHALL BE 1.5 TIMES THE LOWEST NEGATIVE STATIC.
7. DIMENSION IN [ ] ARE MILLIMETER OR KILOGRAMS.
8. OPTIONAL COIL GUARDS, GAS HEAT, DISCONNECT SWITCH SHOWN.
9. HEAT EXCHANGER IS TYPICAL OF HIGH GAS HEAT OPTION

= CENTER OF GRAVITY

= DIRECTION OF AIRFLOW

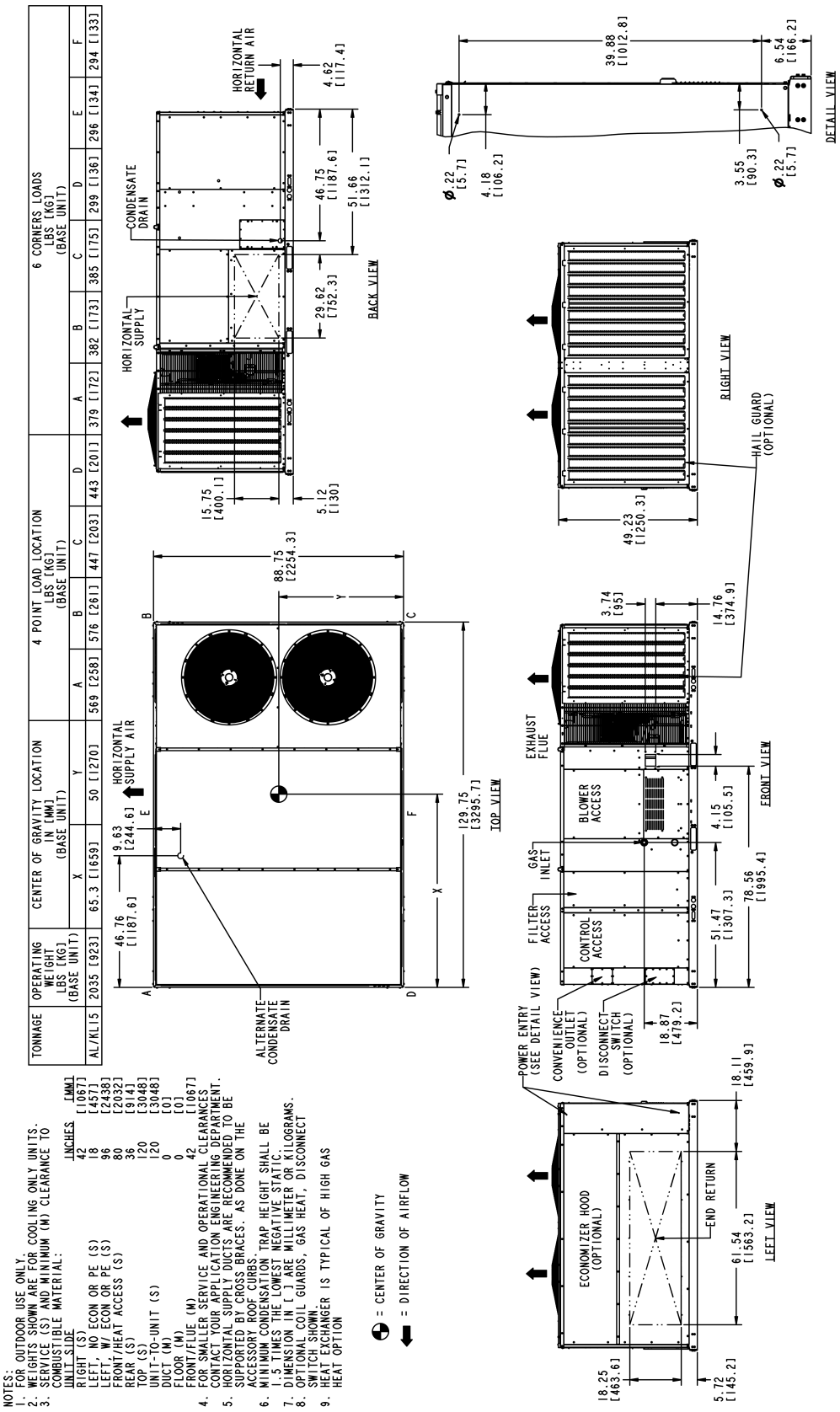
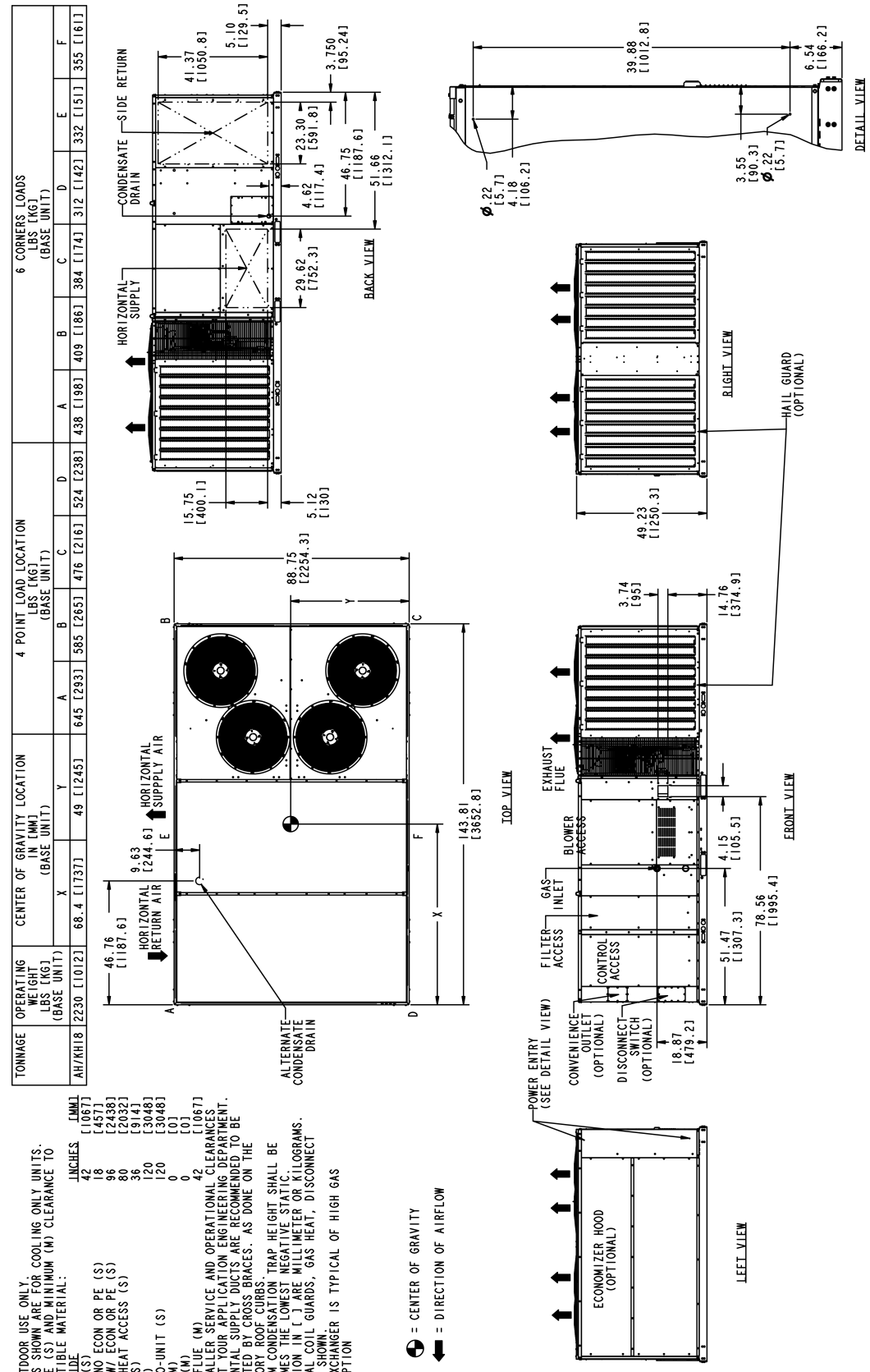


Figure 10: KS18 and KK18 physical dimensions



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TONNAGE	OPERATING WEIGHT LBS [KG] (BASE UNIT)	CENTER OF GRAVITY LOCATION IN [MM] (BASE UNIT)		4 POINT LOAD LOCATION LBS [KG] (BASE UNIT)				6 CORNERS LOADS LBS [KG] (BASE UNIT)				
		X	Y	A	B	C	D	A	B	C	D	E	F
AL/KL18	2230 [1012]	68.4 [1737]	49 [1245]	645 [293]	585 [265]	476 [216]	524 [238]	438 [198]	409 [186]	384 [174]	312 [142]	332 [151]	355 [161]

NOTES:
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2. WEIGHTS SHOWN ARE FOR COOLING ONLY UNITS.
3. SERVICE (S) AND MINIMUM (M) CLEARANCE TO COMBUSTIBLE MATERIAL:

UNIT SIDE	INCHES	[MM]
RIGHT (S)	42	[1067]
LEFT, NO ECON OR PE (S)	18	[457]
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FRONT/HEAT ACCESS (S)	80	[2032]
REAR (S)	36	[9141]
TOP (S)	120	[3048]
UNIT-TO-UNIT (S)	120	[3048]
DUCT (M)	0	[0]
FLOOR (M)	0	[0]
FRONT/FLUE (M)	42	[1067]

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= DIRECTION OF AIRFLOW

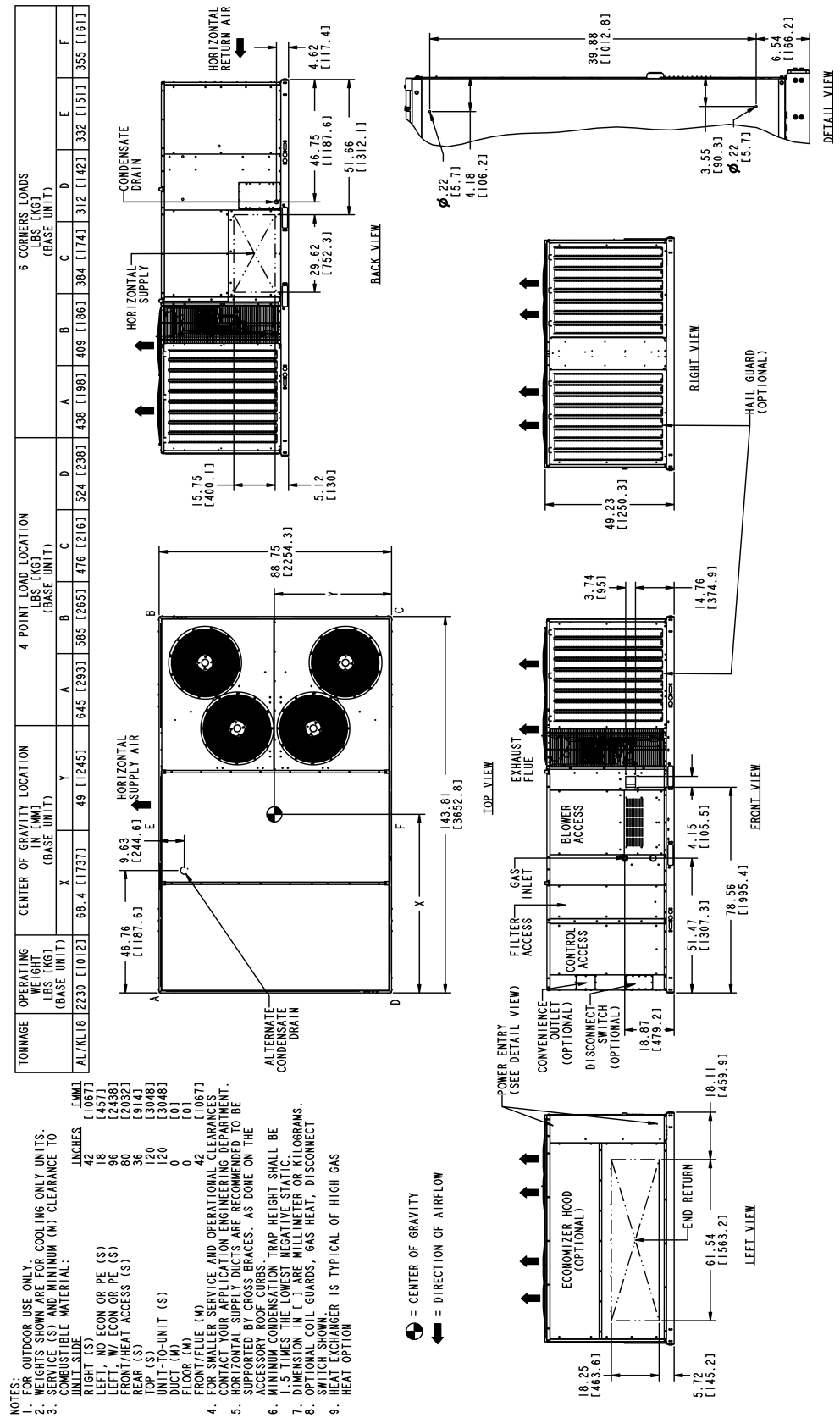
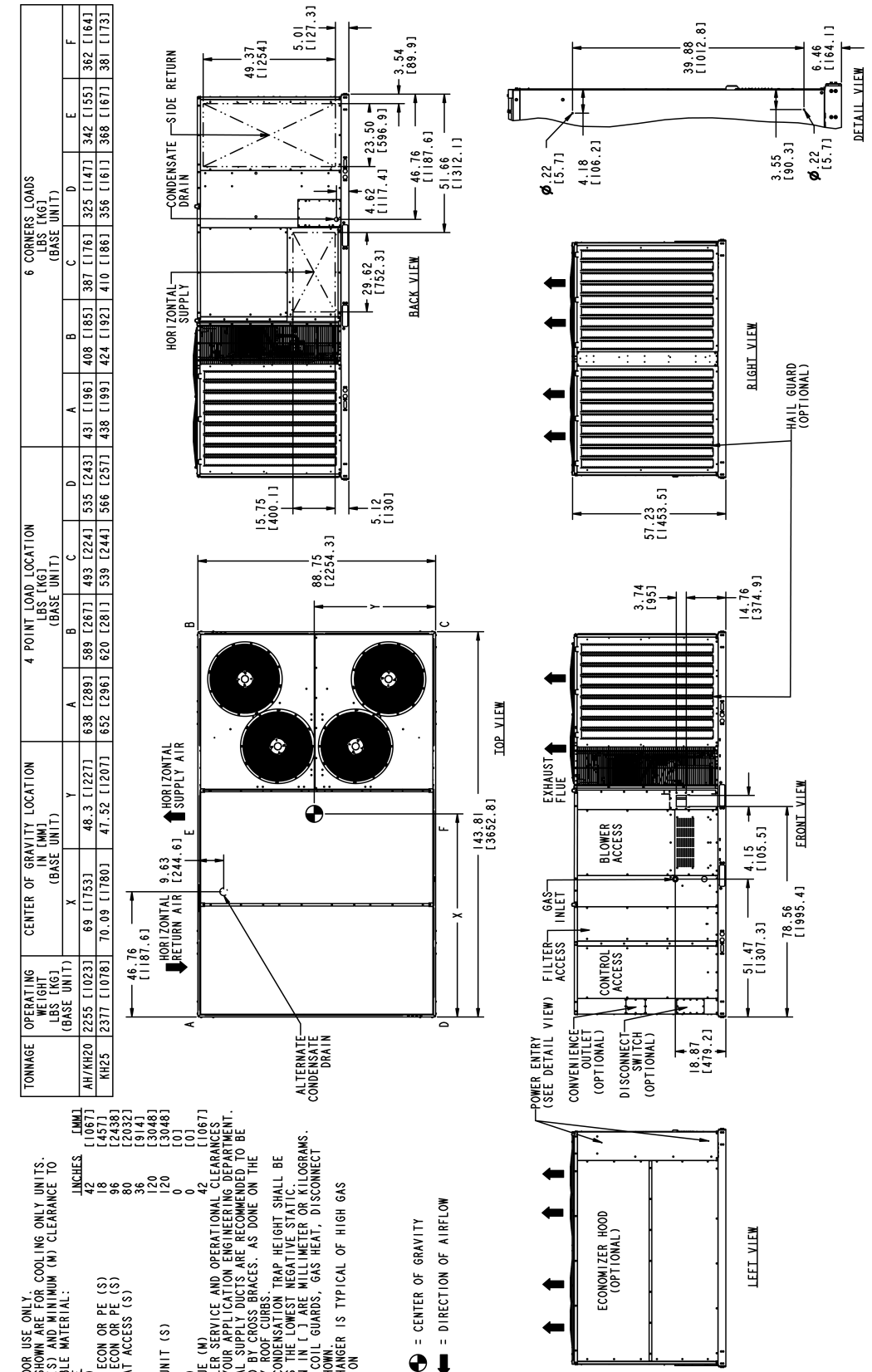


Figure 11: KS20 , KK20, KS25, and KK25 physical dimensions



TONNAGE	OPERATING WEIGHT LBS [KG] (BASE UNIT)	CENTER OF GRAVITY LOCATION IN [MM] (BASE UNIT)		4 POINT LOAD LOCATION LBS [KG] (BASE UNIT)				6 CORNERS LOADS LBS [KG] (BASE UNIT)				
		X	Y	A	B	C	D	A	B	C	D	E	F
AH/KH20	2255 [1023]	69 [1753]	48.3 [1227]	638 [289]	589 [267]	493 [224]	535 [243]	431 [196]	408 [185]	387 [176]	325 [147]	342 [155]	362 [164]
KH25	2377 [1078]	70.09 [1780]	47.52 [1207]	652 [296]	620 [281]	539 [244]	566 [257]	438 [199]	424 [192]	410 [186]	356 [161]	368 [167]	381 [173]

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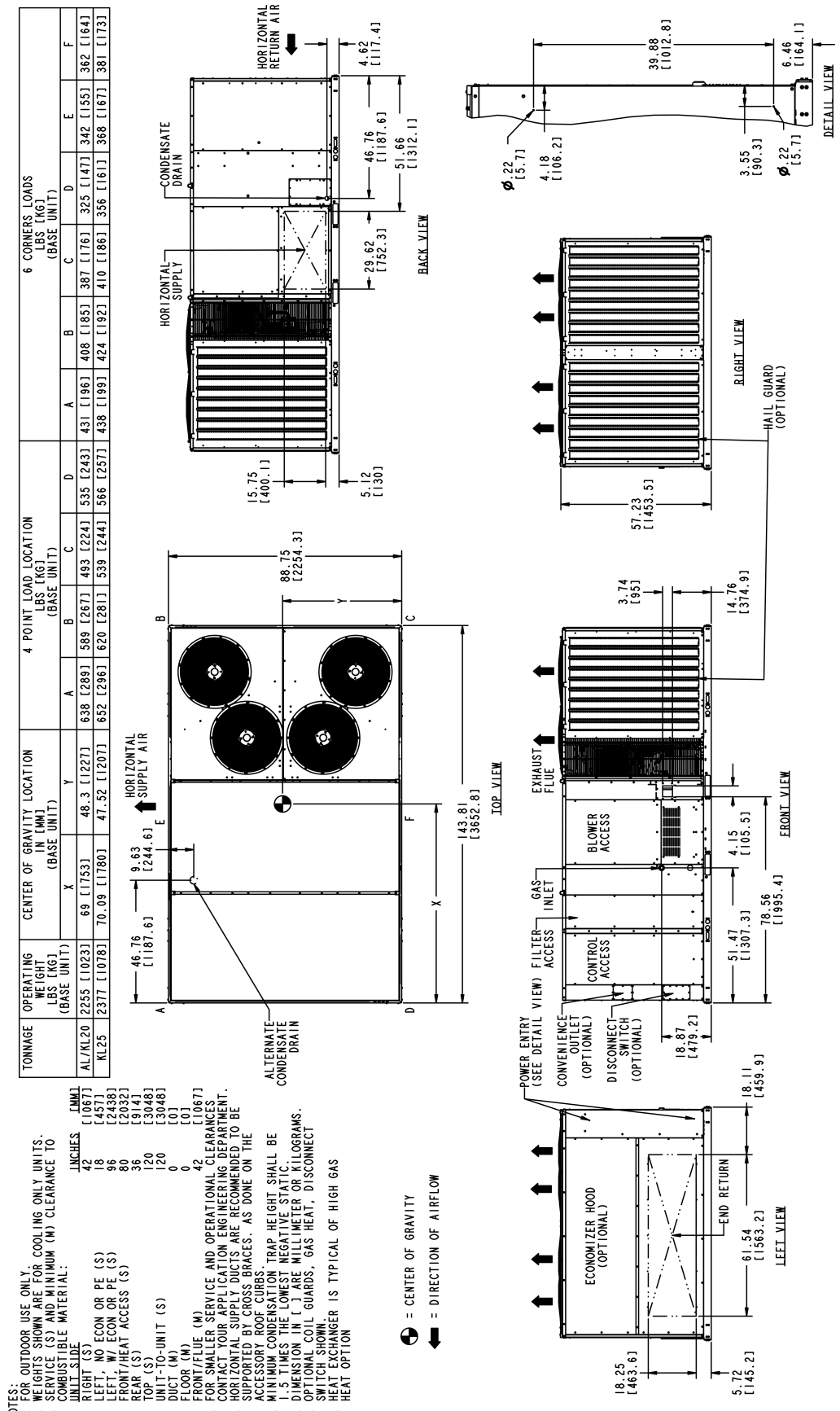
TONNAGE	OPERATING WEIGHT LBS [KG] (BASE UNIT)	CENTER OF GRAVITY LOCATION IN [MM] (BASE UNIT)		4 POINT LOAD LOCATION LBS [KG] (BASE UNIT)				6 CORNERS LOADS LBS [KG] (BASE UNIT)					
		X	Y	A	B	C	D	A	B	C	D	E	F
AL/KL20	2255 [1023]	69 [1753]	48.3 [1227]	638 [289]	589 [267]	493 [224]	535 [243]	431 [196]	408 [185]	387 [176]	325 [147]	342 [155]	362 [164]
KL25	2377 [1078]	70.09 [1780]	47.52 [1207]	652 [296]	620 [281]	539 [244]	566 [257]	438 [199]	424 [192]	410 [186]	356 [161]	368 [167]	381 [173]

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LEFT, W/ ECON OR PE (S)	96	[2438]
FRONT/HEAT ACCESS (S)	80	[2032]
REAR (S)	36	[914]
TOP (S)	120	[3048]
UNIT-TO-UNIT (S)	120	[3048]
DUCT (M)	0	[0]
FLOOR (M)	0	[0]
FRONT/FLUE (M)	42	[1067]

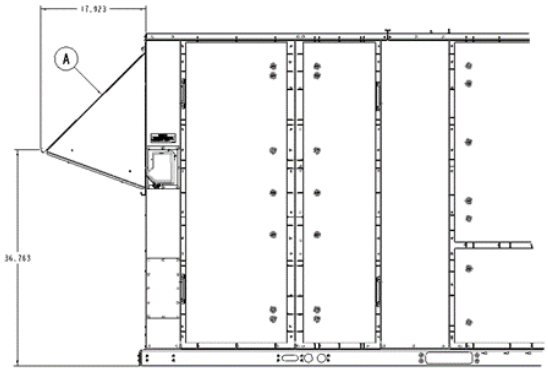
4. FOR SMALLER SERVICE AND OPERATIONAL CLEARANCES CONTACT YOUR APPLICATION ENGINEERING DEPARTMENT.
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9. HEAT EXCHANGER IS TYPICAL OF HIGH GAS HEAT OPTION

= CENTER OF GRAVITY
= DIRECTION OF AIRFLOW



Rain hood dimensions

Figure 12: Rain hood dimensions



Item	Description
A	Economizer, manual damper, and motorized damper rain hood

Utilities entry

Note: Field-seal all entry holes to prevent rainwater entry into the building.

Table 81: Utilities entry

Entry description		Opening size diameter (in.)
Control wiring	Left	Field drilled[1] to maximum of 7/8 in.
	Bottom	Field drilled[1] to maximum of 7/8 in.
Power wiring	Left	Field drilled[1] to maximum of 3 in.
	Bottom	Field drilled[1] to maximum of 3 in.
Gas piping	Left [2,3]	2 in. hole with 3/4 in. grommet
	Bottom[3]	1 1/4 in. hole
Condensate drain	Front[4]	1 1/2 in. hole
	Bottom[4]	2 in. hole with 1 1/4 in. grommet

Note:
1. Factory provided dimples show the hole location to facilitate the drilling of entry holes.
2. 3/4 in. NPT gas piping is required.
3. You must insert the piping through the factory-installed grommet for a watertight seal.
4. 1 in. NPT female connection piping is required.

Accessory weights

Table 82: Unit accessory weights (in lb)

Unit accessory	Unit size			
	15 ton	17.5 ton	20 ton	25 ton
Economizer	145	145	165	165
Motorized damper	65	65	75	75
Power exhaust	200	200	200	200
Barometric damper	40	40	40	40
Electric heat (75 kW)	103	103	103	103
Gas heat (largest)	155	155	155	155
Hail guards	80	86	107	107
Wood skid and shipping brackets	60	70	70	70
Roof curb	215	230	230	230

Table 83: Supply fan VFD weights

Supply fan motor	208/230 V	460 V	575 V
2.9 HP	10	10	10
3.7 HP	10	10	10
5.3 HP	10	10	10
7.5 HP	15	15	15
10 HP	20	15	15
12 HP	20	15	15

ⓘ **Note:** Add 5 lb to the supply fan VFD weights if there is a bypass.

Roof curbs

The following figures show the roof curbs for the units. All dimensions are in inches.

Figure 13: 1RC0443 and 1RC0446 roof curb dimensions

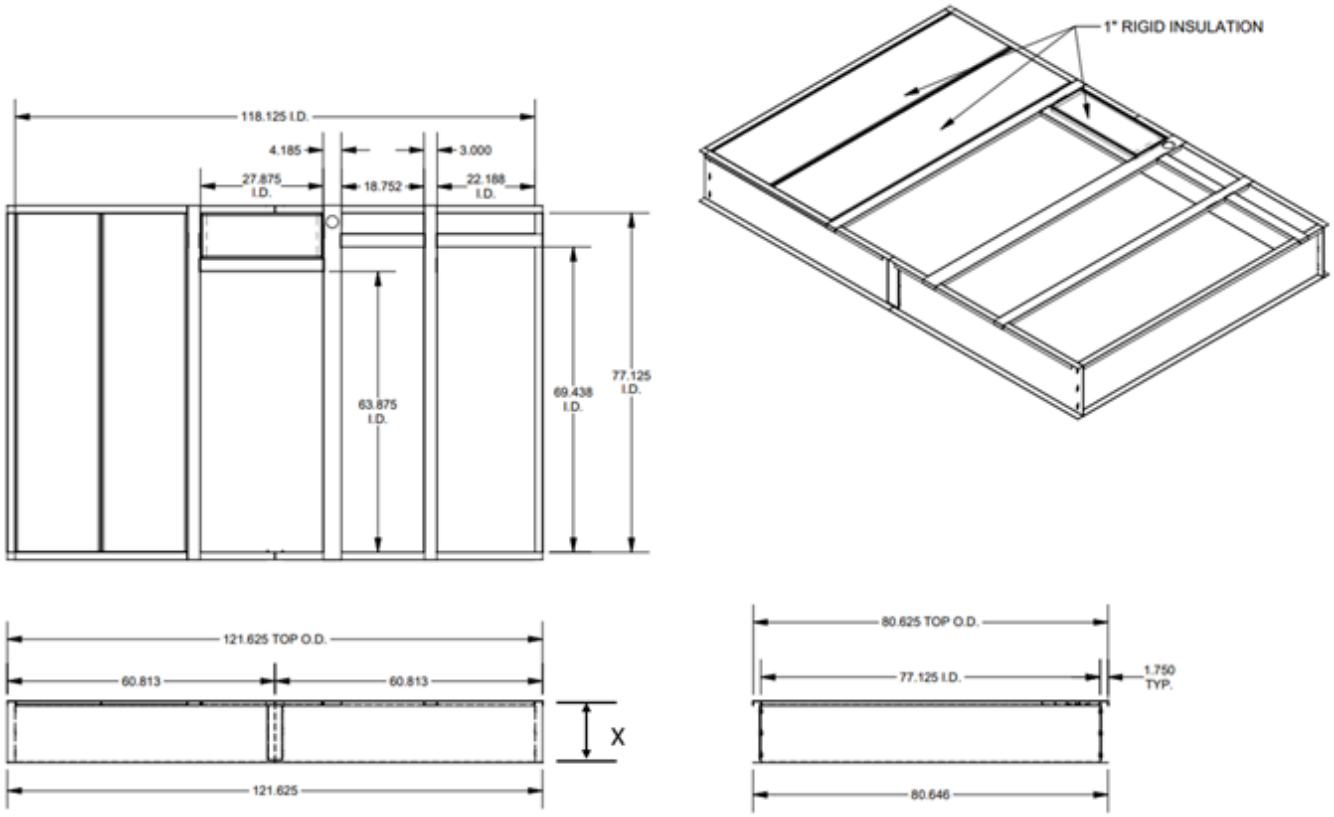


Table 84: 1RC0443 and 1RC0446 dimensions

Roof curb	X measurement (in.)
1RC0443	14
1RC0446	24

The following units are compatible with 1RC0443 and 1RC0446 roof curbs.

- KS15 and KK15

Figure 14: 1RC0444 and 1RC0447 roof curb dimensions

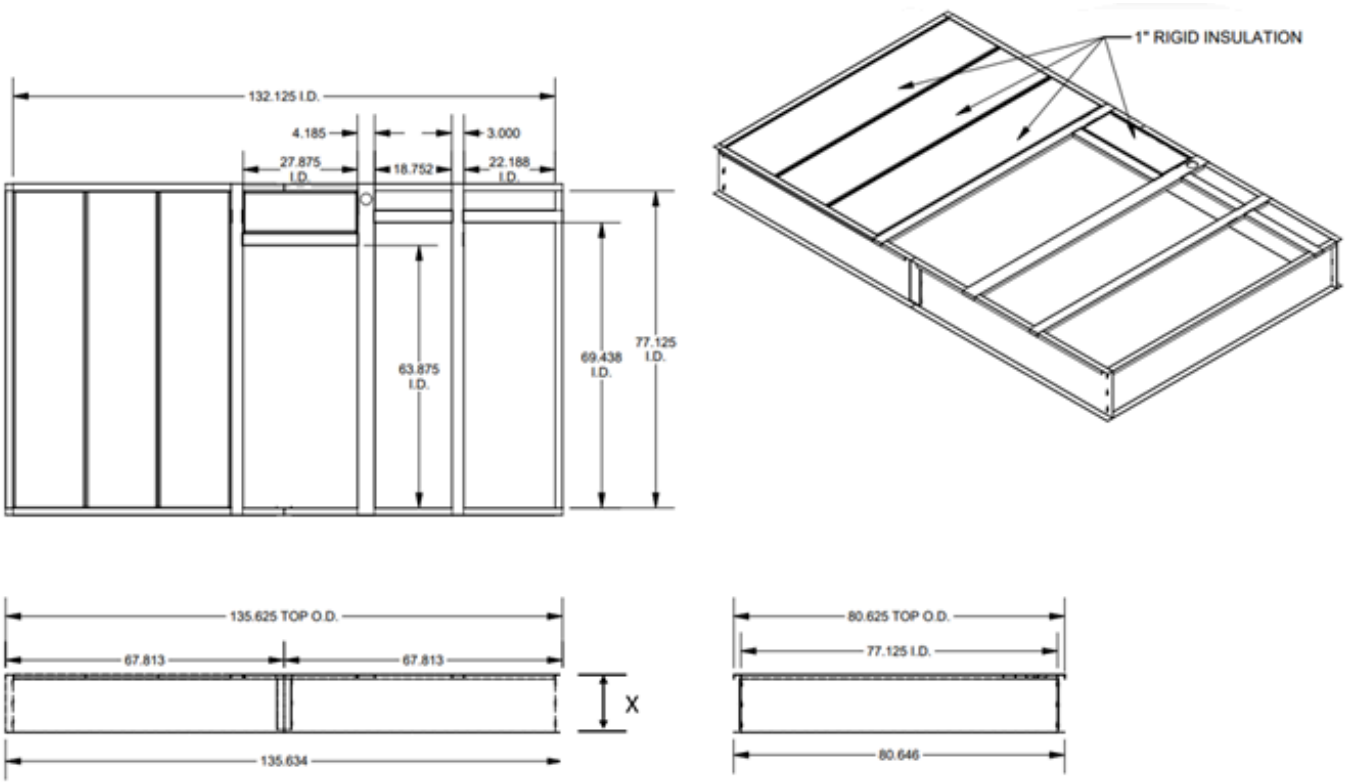


Table 85: 1RC0444 and 1RC0447 dimensions

Roof curb	X measurement (in.)
1RC0444	14
1RC0447	24

The following units are compatible with 1RC0444 and 1RC0447 roof curbs.

- KS18 and KK18
- KS20 and KK20
- KS25 and KK25

Figure 15: Roof curb cutaway

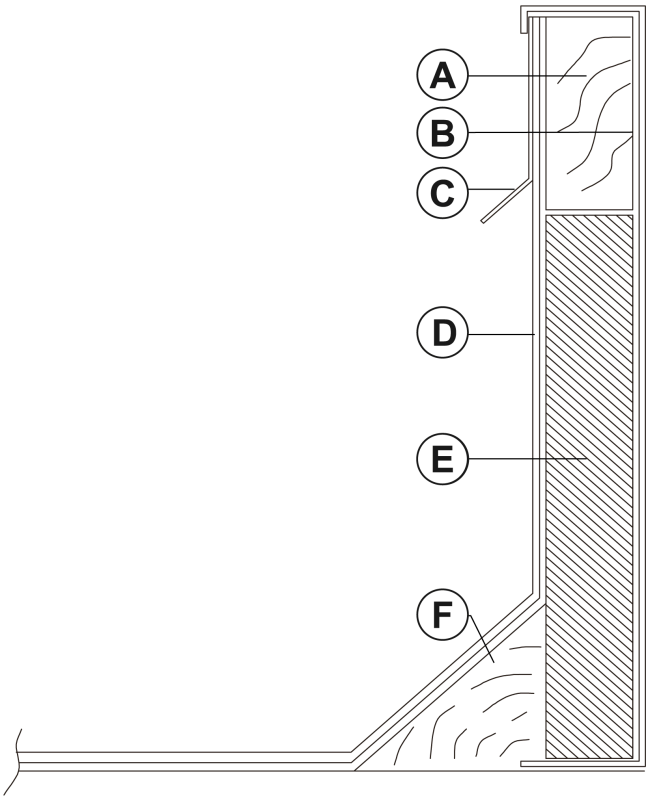


Table 86: Roof curb cutaway components

Item	Description	Item	Description
A	Wood nailer	D	Roof felt (field-supplied)
B	Curb frame	E	Rigid insulation (field-supplied)
C	Counter flashing (field-supplied)	F	Cant strip (field-supplied)

Economizer options

Figure 16: Economizer options



Table 87: Economizer components

Item	Description
A	Fresh air hood
B	Low leak economizer

Installing a typical unit

The following figures show the typical installations for the unit.

Figure 17: Roof jack installation

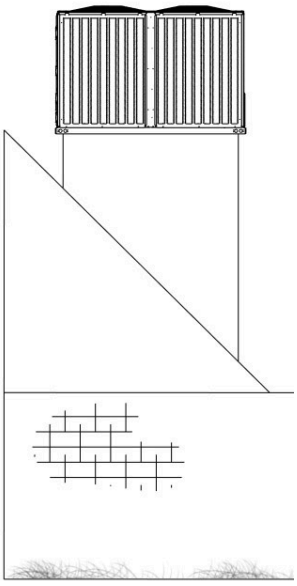
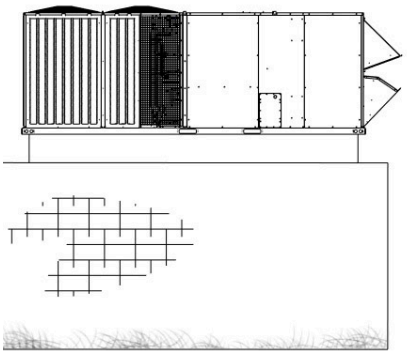


Figure 18: Roof curb installation



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