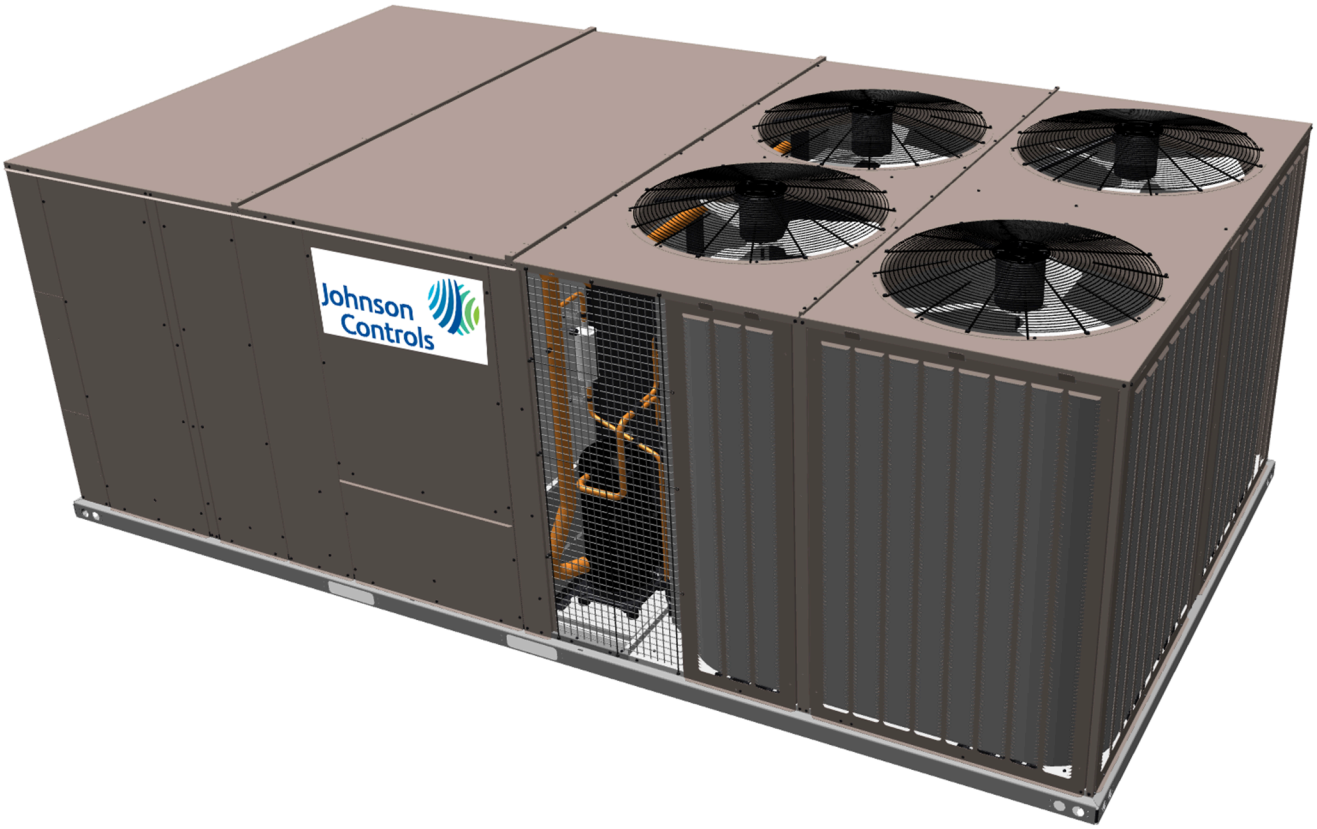
Technical Guide: Johnson Controls Choice KE13 to KE23

R-454B, 60 hertz



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2026-06-10

6604605-JTG-B-0626

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Description

The Choice 12.5 to 23 ton platform is designed with all the flexibility needed for today’s applications, while simultaneously meeting tomorrow's efficiency requirements. Realizing that efficiency requirements are continuously pushing the envelope of technology, ultra-high efficiency units meet the latest U.S. Department of Energy (DOE) efficiency requirements in the IntelliSpeed and variable air volume (VAV) airflow options deliver energy efficiency exceeding the DOE mandates for 2023. Achieving efficiencies as high as 20.3 IEER (cooling only/ electric heat) and 20.1 IEER (gas heat), the ultra-high efficiency product line provides users with significant energy savings alongside impressive flexibility and unparalleled reliability.

All models are available with extensive options and accessories provided both through factory installation and field kits. Airflow requirements are met through IntelliSpeed discrete fan control, and VAV blower configurations. All tonnages can be configured for cooling only, electric heating, staged gas heating, or modulating gas heating. Near limitless flexibility is available with custom modifications provided by the Norman Modification Center located in the HVAC Rooftop Center of Excellence in Norman, Oklahoma.

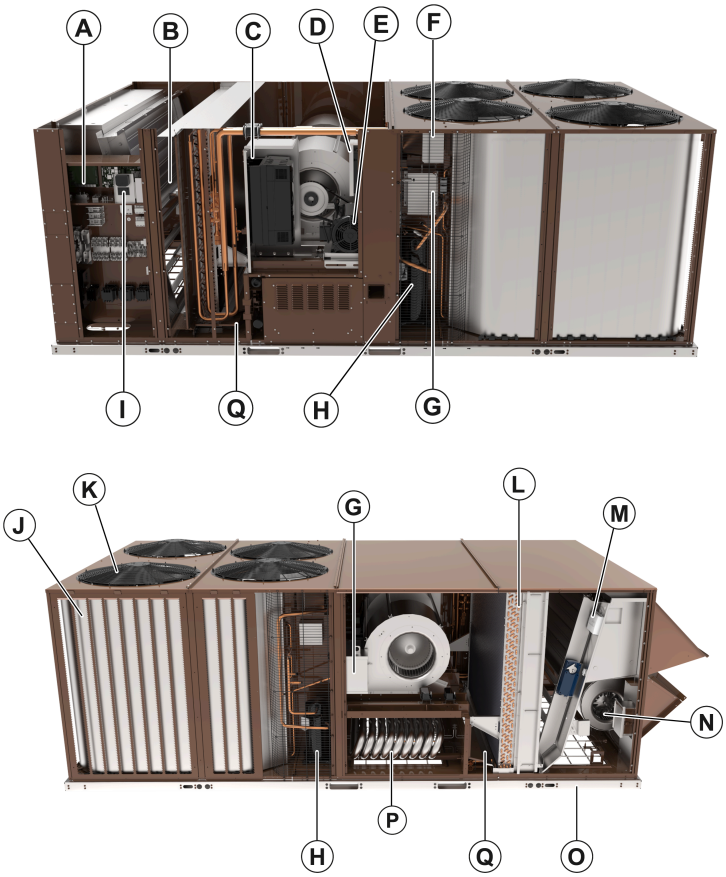
The units are tested in accordance with the following:

Product highlights

- Smart Equipment Controls: streamlines commissioning, integration, and service
- Industry leading standard efficiency, up to 20.3 IEER, designed to meet DOE 2023 efficiency requirements
- Two independent refrigerant circuits
- Combining ultra-high efficiency, fixed-speed and variable-speed scroll compressors for optimal performance and comfort
- ECM condenser fan motors allowing for built-in low ambient head pressure control to -10°F
- Variable capacity cooling operation (IntelliSpeed and VAV) to meet advanced building code requirements
- Two unique airflow options in each tonnage. Variable cooling control IntelliSpeed, and VAV
- Footprint design allows for direct replacement of multiple competitive models (Carrier and Trane) without a transition curb
- 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



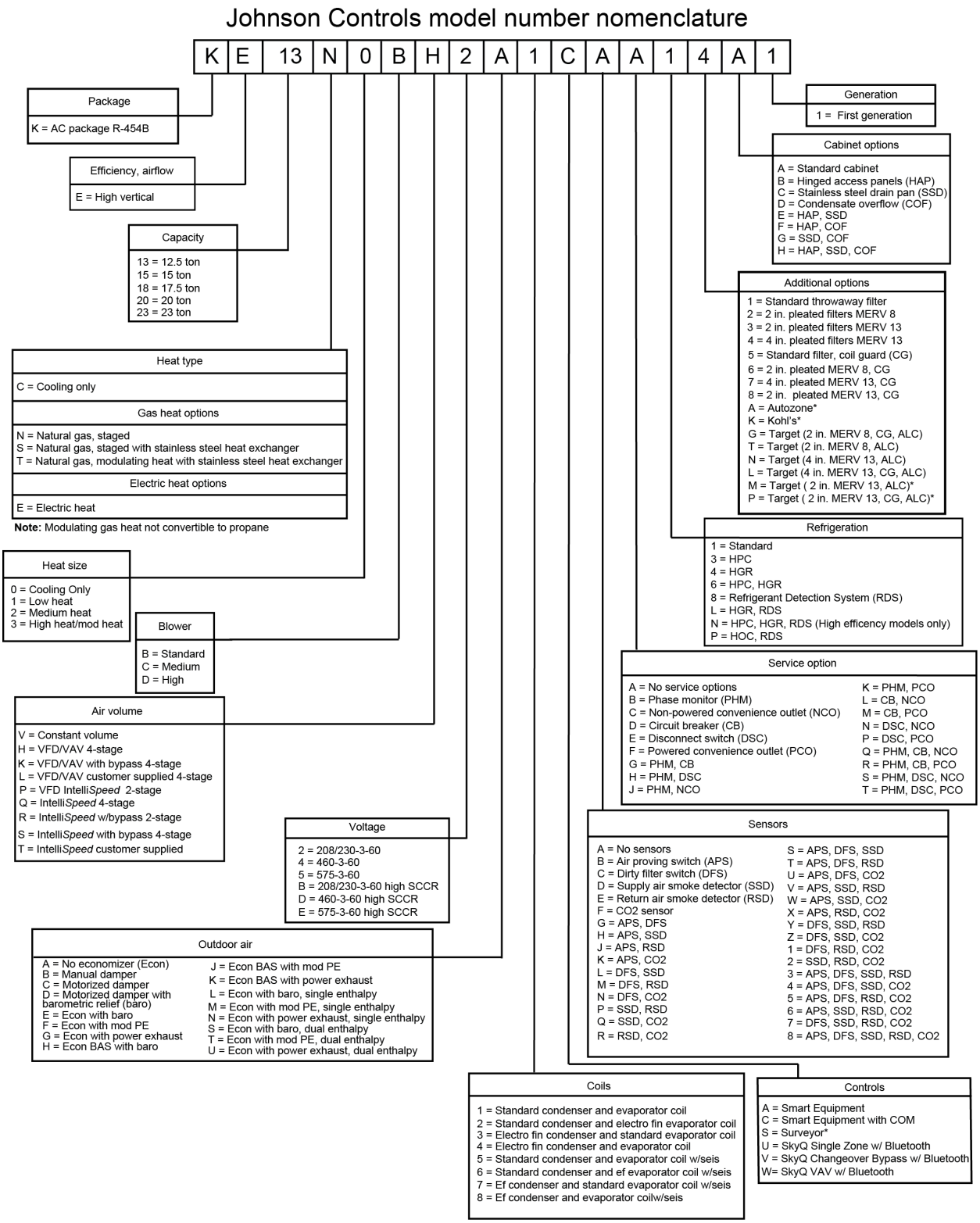
The previous figure shows the KEXX model. The following table lists the components of the unit.

Table 1: Component location table

Item	Description	Item	Description
A	Smart Equipment controls	J	Micro channel condenser coil
B	Filter access, 2 in. or 4 in. filter options.	K	Condenser fans with ECM motors
C	Compressor variable frequency drive	L	Copper tube/aluminum fin evaporator coil
D	Blower motor variable frequency drive	M	Optional economizer. Optional manual or motorized outside air dampers not shown.
E	Belt drive blower motor with dual centrifugal fan design	N	Optional powered exhaust. Optional barometric relief not shown
F	ECM controller for OD motor	O	Full perimeter base rails with holes for overhead rigging
G	ECM Controller Transformer (for 575 V unit only)	P	Optional staged or modulating gas heat with aluminized or stainless-steel heat exchanger. Optional electric heat not shown.
H	Combination of ultra-high efficiency, fixed-speed scroll compressor and variable speed scroll compressor	Q	Refrigerant detection sensor (RDS)
I	LCP for compressor and Blower VFD		

Nomenclature

Figure 2: Product nomenclature



Features and benefits

Standard features

Choice units have the following standard features.

Efficiency

Available in ultra-high efficiency cooling only, gas heat, or electric heat, Choice ultra-high efficiency units achieve up to 12.7 EER. IEER ratings, as high as 20.3, 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 four unique indoor airflow options available for maximum customization to meet the needs of each job site. Variable cooling control 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. Variable cooling control IntelliSpeed and VAV models have variable capacity cooling operation.

The ultra-high efficiency product leverages a combination of Copeland™ ultra-high efficiency YA fixed speed or YAS two-stage compressor with YAV variable-speed compressor technology to deliver the highest part-load efficiency in its class.



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.



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 aluminized steel or optional 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.



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.

Onboard USB port

The Smart Equipment control comes standard with an onboard 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

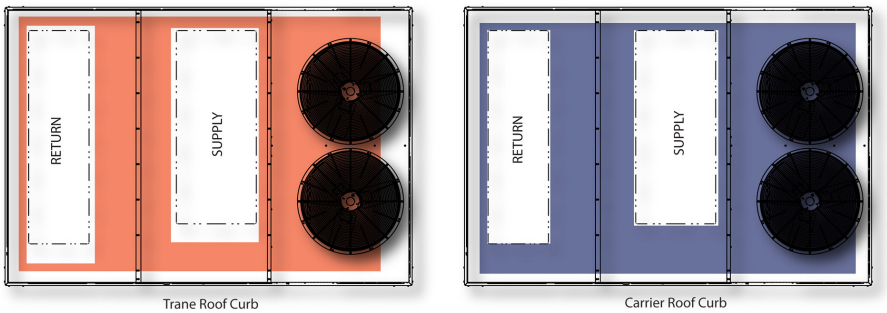
Each unit comes equipped with factory installed supply air, return air, and outdoor air temperature sensors to provide key temperature readings and reduce field installed complexity.

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. Aluminized steel heat exchangers have a 10-year warranty and 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 27.5 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.



Trane Roof Curb

Carrier Roof Curb

Dedicated duct configuration

All models are manufactured with a dedicated duct configuration for downflow 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 provided with a multidirectional sloped condensate drain pan with 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 and ECM condenser fan motors allow the unit to operate as low as –10°F outdoor temperatures. 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		✓
Burglar bars		✓
Coil/hail guard	✓	✓
Hinged and toolless access panels	✓	
Magna-Dry modulating hot gas reheat dehumidification	✓	
Aluminized steel gas heat exchanger	✓	
Stainless steel gas heat exchanger	✓	
Modulating gas heat (cannot be converted to propane)	✓	
Flue exhaust extension		✓
Propane conversion (not for modulating gas heat)		✓
High altitude kit for propane (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	✓	✓
Single or dual enthalpy economizer control	✓	✓
Barometric relief damper	✓	✓
Constant volume power exhaust	✓	✓
Modulating power exhaust	✓	✓
Bolt on energy recovery ventilator (ERV)		✓

Controls option or accessory	Factory option	Field-installed option
Air proving switch	✓	✓
Dirty filter switch	✓	✓
CO_2 sensor	✓	✓
Condensate overflow switch	✓	✓
Supply and return air smoke detectors	✓	✓
Refrigerant detection system (RDS)	✓	✓
Smart Equipment control communication card	✓	✓

Controls option or accessory	Factory option	Field-installed option
MAP (Mobile Access Portal) Gateway for use with Smart Equipment control		✓
SkyQ	✓	✓

Table 2: Field-installed Accessories - non-electrical

Where Used	Voltage	Model	Description
All	All	1BD0411	Burglar Bars
Gas heat units	All	1FE0418	Flue Exhaust Kit
Gas heat units	All	1NP0401	Propane Conversion Kit
Gas heat units	All	1HA0401	Natural Gas High Altitude Conversion Kit
Gas heat units	All	1HA0402	Propane High Altitude Conversion Kit
12.5, 15 ton models with 4 stage cooling (VAV or 4 stage IntelliSpeed)	All	1HG0456	Coil/Hail guards, field,C8-2STG
17.5, 20, 23 ton models with 4 stage cooling (VAV or 4 stage IntelliSpeed)	All	1HG0457	Coil/Hail guards, field,C9-2STG

Table 3: Field-installed accessories - roof curbs

Where used	Voltage	Model	Description
12.5-15 ton	All	1RC0444	14 in. Roof curb
17.5-23 ton	All	1RC0445	14 in. Roof curb
12.5-15 ton	All	1RC0447	24 in. Roof curb
17.5-23 ton	All	1RC0448	24 in. Roof curb

Table 4: Field-installed - fresh air

Where used	Voltage	Model	Description
12.5-23 ton models	All	1FA0423	Manual Outside Air Damper, 0-25%
12.5-23 ton models	All	1FA0424	Manual Outside Air Damper, 0-100%
12.5-23 ton models	All	2MD04705524	Motorized Outside Air Damper, 0-25%
12.5-23 ton models	All	2MD04705624	Motorized Outside Air Damper, 0-100%
12.5-23 ton models	All	2EE04710624	Low Leak Economizer, BAS controls
12.5-23 ton models	All	2EE04710724	Low Leak Economizer, Smart Equipment controls
All	All	1RD0414	Barometric Relief Damper
Models with factory or field installed economizer	208/230V	2PE04704925	Constant Volume Power Exhaust, High CFM, 208/230V
Models with factory or field installed economizer	460V	2PE04704946	Constant Volume Power Exhaust, High CFM, 460V
Models with factory or field installed economizer	575V	2PE04704958	Constant Volume Power Exhaust, High CFM, 575V
Models with factory or field installed economizer	208/230V	2PE04705025	Modulating Power Exhaust, High CFM, 208/230V
Models with factory or field installed economizer	460V	2PE04705046	Modulating Power Exhaust, High CFM, 460V
Models with factory or field installed economizer	575V	2PE04705058	Modulating Power Exhaust, High CFM, 575V
Models with factory or field installed economizer	208/230V	2PE04705125	Modulating Power Exhaust, Standard CFM, 208/230V

Table 4: Field-installed - fresh air

Where used	Voltage	Model	Description
Models with factory or field installed economizer	460V	2PE04705146	Modulating Power Exhaust, Standard CFM, 460V
Models with factory or field installed economizer	575V	2PE04705158	Modulating Power Exhaust, Standard CFM, 575V
Models with factory or field installed economizer	208/230V	2PE04705225	Constant Volume Power Exhaust, Standard CFM, 208/230V
Models with factory or field installed economizer	460V	2PE04705246	Constant Volume Power Exhaust, Standard CFM, 460V
Models with factory or field installed economizer	575V	2PE04705258	Constant Volume Power Exhaust, Standard CFM, 575V
Models with factory or field installed economizer OR models with hot gas reheat	All	2EC0406	Single Enthalpy / Reheat Humidity Sensor
Models with factory or field installed economizer OR models with hot gas reheat	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
15, 17.5, 20, 23 tons	All	2SD04702024	Supply Air Smoke Detector (15x15)
12.5 ton	All	2SD04702824	Supply Air Smoke Detector (12x12)
All Units	All	2SD04703024	Return Air Smoke Detector
15, 17.5, 20, 23 tons	All	2SD04703124	Supply and Return Air Smoke Detector (15 X 15)
12.5 ton	All	2SD04703224	Supply and Return Air Smoke Detector (12X12)
All Units	All	2AP0403	Air Proving Switch
All Units	All	2DF0404	Dirty Air Filter Switch
All Units	All	2FS0403	Condensate Overflow Switch
All Units	All	2DS0401	Refrigerant Detection System (RDS)
All Units	All	2NC0401	Non-powered Convenience Outlet

Table 6: Field-installed accessories - electric heat

Where used	Voltage	Model	Description
Cooling only models (15 to 23 ton)	208/230V	2EH04502525	25kW Electric Heat
	460V	2EH04502546	
	575V	2EH04502558	
Cooling only models (15 to 23 ton)	208/230V	2EH04505025	50kW Electric Heat
	460V	2EH04505046	
	575V	2EH04505058	
Cooling only models (15 to 23 ton)	208/230V	2EH04507525	75kW Electric Heat
	460V	2EH04507546	
	575V	2EH04507558	
Cooling only models (12.5 ton only)	208/230V	2EH04522525	25kW Electric Heat
	460V	2EH04522546	
	575V	2EH04522558	

Table 6: Field-installed accessories - electric heat

Where used	Voltage	Model	Description
Cooling only models (12.5 ton only)	208/230V	2EH04525025	50kW Electric Heat
	460V	2EH04525046	
	575V	2EH04525058	
Paired with 2EH04502525, 2EH04505025, or 2EH04507525. 15/17.5 ton only without circuit breaker or disconnect switch	208/230V	2SP04701425	Electric Heat Power Kit, 25-75kW, 15, 17.5 ton, no CB or DSC
Paired with 2EH04502546, 2EH04502558, 2EH04505046, 2EH04505058, 2EH04507546, or 2EH04507558. 20,23 ton without circuit breaker or disconnect switch	460V and 575V	2SP04701425	Electric Heat Power Kit, 25-75kW, 20 and 23 ton, no CB or DSC
Paired with 2EH04522525, 2EH04525025 12.5 ton only without circuit breaker or disconnect switch	208/230V	2SP04701425	Electric Heat Power Kit, 25-50kW, 12.5 ton, no CB or DSC
Paired with 2EH04502525, 2EH04505025, or 2EH04507525. 20 and23 ton only without circuit breaker or disconnect switch	208/230V	2SP04701525	Electric Heat Power Kit, 25-75kW, 20 and 23 ton, no CB or DSC
Paired with 2EH04502546, 2EH04502558, 2EH04505046, 2EH04505058, 2EH04507546, or 2EH04507558. 15,17.5 ton only without circuit breaker or disconnect switch	460V and 575V	2SP04701652	Electric Heat Power Kit, 25-75kW, 15, 17.5 ton, no CB or DSC
Paired with 2EH04522546, 2EH04522558, 2EH04525046, 2EH04525058 12.5 ton only without circuit breaker or disconnect switch	460V and 575V	2SP04701652	Electric Heat Power Kit, 25-50kW, 12.5 ton, no CB or DSC
Paired with 2EH04502525. 15 ton only with circuit breaker or disconnect switch	208/230V	2SP04701725	Electric Heat Power Kit, 25kW, 15 ton, with CB or DSC
Paired with 2EH04522525 12.5 ton only with circuit breaker or disconnect switch	208/230V	2SP04701725	Electric Heat Power Kit, 25kW, 12.5 ton, with CB or DSC
Paired with 2EH04502546, 2EH04502558, 2EH04505046, 2EH04505058, 2EH04507546, or 2EH04507558. 15, 17.5, 20 and 23 ton with circuit breaker or disconnect switch	460V and 575V	2SP04701725	Electric Heat Power Kit, 25-75kW, 15, 17.5, 20 and 23 ton, with CB or DSC
Paired with 2EH04522546, 2EH04522558, 2EH04525046, 2EH04525058 12.5 ton with circuit breaker or disconnect switch	460V and 575V	2SP04701725	Electric Heat Power Kit, 25-50kW, 12.5 ton, with CB or DSC
Paired with 2EH04502525, 2EH04505025 or 2EH04507525 . 17.5, 20, and 23 ton only with circuit breaker or disconnect switch	208/230V	2SP04702025	Electric Heat Power Kit, 25-75kW, 17.5, 20, and 23 ton, with CB or DSC
Paired with 2EH04505025 or 2EH04507525, 15 ton only with disconnect switch	208/230V	2SP04701825	Electric Heat Power Kit, 50-75kW, 15 ton, with DSC
Paired with 2EH04525025. 12.5 ton only with disconnect switch	208/230V	2SP04701825	Electric Heat Power Kit, 50kW, 12.5 ton, with DSC

Table 6: Field-installed accessories - electric heat

Where used	Voltage	Model	Description
Paired with 2EH04505025 or 2EH04507525, 15 ton only with circuit breaker	208/230V	2SP04701925	Electric Heat Power Kit, 50-75kW, 15 ton, with CB
Paired with 2EH04525025. 12.5 ton only with circuit breaker	208/230V	2SP04701925	Electric Heat Power Kit, 50kW, 12.5 with CB

Factory and field-installed options

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.

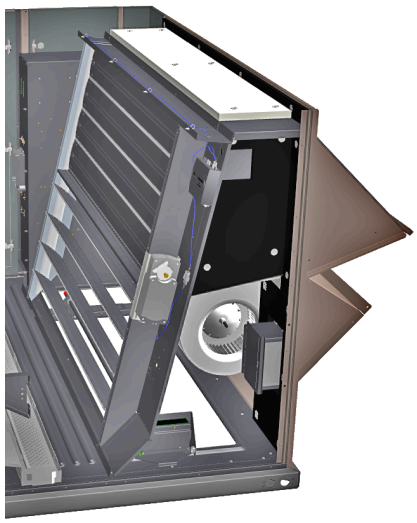
Low leak economizer with fresh air hood

Factory or field-installed option

All units 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-inch 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 spring return, fully modulating damper actuators and it is capable of introducing up to 100% outdoor air. As the outdoor air intake dampers open, the return air dampers close. The changeover

from mechanical refrigeration to economizer operation is regulated by the outdoor air dry bulb temperature or the outdoor air enthalpy input.

Figure 3: Low leak economizer with 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

Factory or field-installed option

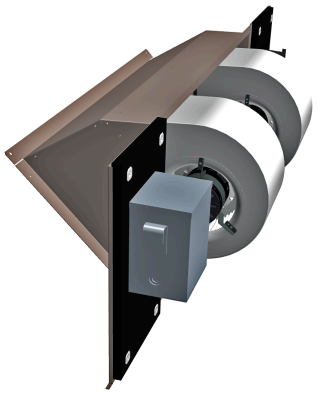
You can use this damper option to relieve internal building air pressure on units with an economizer or motorized damper without a power exhaust. This accessory includes a rain hood, a bird screen, and a fully assembled damper.

Constant volume power exhaust

Factory or 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. The factory-installed version has an incorporated fold-out hood design for easy setup and operation. There are two options for the field-installed constant volume power exhaust. The standard CFM exhaust provides the same operational parameters as the factory-installed power exhaust while the high CFM exhaust provides expanded air movement capabilities.

Figure 4: Power exhaust



Modulating power exhaust

Factory or field-installed option

For more precise control over a unit's exhaust performance, you can select a modulating power exhaust as a factory or 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 provides the same operational parameters as the factory-installed power exhaust while 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 aluminized steel or stainless steel

Staged gas heating is available in two sizes, each with two stages of operation. The standard gas heat exchanger comes in aluminized steel for applications in non-corrosive environments with an optional 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 where wind or weather conditions can interfere with the correct 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

Field-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 5: Coil guard and hail guard



Stainless steel drain pan

Field-installed option

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

Circuit breaker

Field-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

Field-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

Field-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 SCCR

Field-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

Field-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 correct 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 correct airflow is not detected at the beginning of a cycle or throughout operation, the call for heating or cooling is canceled 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 above 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.

E-coat evaporator and condenser

Factory-installed option

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

Filters

Factory-installed option

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 (RDS)

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, the RDS sets off an alarm indicating a leak equal to 25% of the lower flammability limit. These sensors are positioned to ensure accurate and timely sensing of a leak.

Burglar bars

Field-installed option

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

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 7: KE13 and KE15 physical data

Component	Models					
	KE13			KE15		
Nominal tonnage	**12.5**			**15**		
ARI cooling performance	Variable cooling control			Variable cooling control		
Gross Capacity @ ARI A point (Btu)	152,000			184,000		
ARI net capacity (Btu)	148,000			178,000		
EER	12.7[1] / 12.5[2]			12.2[1] / 12[2]		
IEER with Intellispeed	20.1[1] / 20[2]			20.3[1] / 20.1[2]		
IEER with VAV	20.1[1] / 20[2]			20.3[1] / 20.1[2]		
cfm	4,900			6,500		
System power (kW)	11.8			14.8		
Refrigerant type	R-454B			R-454B		
Refrigerant charge (lb-oz)						
System 1	10-08			11-02		
System 2	12-00			12-04		
ARI heating performance						
Heating model	N(S)1	N(S)3	T3	N(S)1	N(S)3	T3
Heating type	Stg. low	Stg. high	Mod. high	Stg. low	Stg. high	Mod. high
First stage heat input (kBtu)	165	300	140	165	300	140
Second stage heat input (kBtu)	220	400	400	220	400	400
First stage heat output (kBtu)	134	243	113	134	243	113
Second stage heat output (kBtu)	178	324	324	178	324	324
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)	15-45	40-70	40-70	15-45	30-65	30-65
Gas piping connection (in.)	3/4	3/4	3/4	3/4	3/4	3/4
Dimensions (in.)						
Length (in.)	143 13/16					
Width (in.)	88 3/4					
Height (in.)	56 9/16					
Operating weight (lb)	2,190			2,240		
Compressors	Variable cooling control			Variable cooling control		
Type	Scroll			Scroll		
Quantity	2			2		
Unit capacity steps (%)	15-100			15-100		
Condenser coil data						
Face area (sq. ft.)	30.8			30.8		
Type	MCHX			MCHX		
Thickness (mm)	25			25		
FPI	23			23		
Circuitry type	Two-pass			Two-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	2			2		
Fan diameter (in.)	30			30		
Type	Prop			Prop		
Drive type	Direct			Direct		
Number of motors	2			2		
Motor hp each	1/2			1/2		
rpm	900			900		
Nominal total cfm	11,850			11,850		
Belt drive evaporator fan data						
Quantity	2			2		
Fan size (in.)	12 x 12			15 x 15		
Type	Centrifugal			Centrifugal		

Table 7: KE13 and KE15 physical data

Component	Models					
	KE13			KE15		
Nominal tonnage	**12.5**			**15**		
Static range	Standard	Medium	High	Standard	Medium	High
Motor sheave	1VP40	1VP40	1VP60	1VP40	1VP40	1VM50
Blower sheave	1B5V66	1B5V54	1B5V74	1B5V74	1B5V64	1B5V74
Belt	AX36	BX34	BX40	BX40	BX38	BX40
Motor hp each	2.9	3.7	5.25	2.9	3.7	5.25
rpm	1,750	1,750	1,750	1,750	1,750	1,750
Frame size	56	56	145T	56	56	145T
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. 2 in. pleated, optional, MERV 8.
5. 2 in. pleated, optional, MERV 13.
6. 4 in. pleated, optional, MERV 13.

Table 8: KE18to KE23 physical data

Component	Models								
	KE18			KE20			KE23		
Nominal tonnage	**17.5**			**20**			**23**		
ARI cooling performance	Variable cooling control			Variable cooling control			Variable cooling control		
Gross Capacity @ ARI A point (Btu)	208,000			246,000			288,000		
ARI net capacity (Btu)	200,000			238,000			276,000		
EER	12.3[1] / 12.2[2]			12.2[1] / 12.1[2]			11.3[1] / 11.1[2]		
IEER with Intellispeed	19[1] / 18.8[2]			19.6[1] / 19.5[2]			18.8[1] / 18.6[2]		
IEER with VAV	19[1] / 18.8[2]			19.6[1] / 19.5[2]			18.8[1] / 18.6[2]		
cfm	6,840			7,070			8,570		
System power (kW)	16.39			19.67			24.86		
Refrigerant type	R-454B			R-454B			R-454B		
Refrigerant charge (lb-oz)									
System 1	13-02			12-02			12-08		
System 2	13-10			12-08			13-14		
ARI heating performance									
Heating model	N(S)1	N(S)3	T3	N(S)1	N(S)3	T3	N(S)1	N(S)3	T3
Heating type	Stg. low	Stg. high	Mod. high	Stg. low	Stg. high	Mod. high	Stg. low	Stg. high	Mod. high
First stage heat input (kBtu)	165	300	140	165	300	140	165	300	140
Second stage heat input (kBtu)	220	400	400	220	400	400	220	400	400
First stage heat output (kBtu)	134	243	113	134	243	113	134	243	113
Second stage heat output (kBtu)	178	324	324	178	324	324	178	324	324
Steady state efficiency (%)	81	81	81	81	81	81	81	81	81
No. burners	5	9	9	5	9	9	5	9	9
No. stages / turn down	2	2	2.85 to 1	2	2	2.85 to 1	2	2	2.85 to 1
Temperature rise range (°F)	15-45	30-65	30-65	15-45	30-65	30-65	10-40	20-55	20-55
Gas piping connection (in.)	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
Dimensions (in.)									
Length (in.)	160 1/16								
Width (in.)	88 3/4								
Height (in.)	56 9/16								
Operating weight (lb)	2,355			2,420			2,510		
Compressors	Variable cooling control			Variable cooling control			Variable cooling control		
Type	Scroll			Scroll			Scroll		
Quantity	2			2			2		
Unit capacity steps (%)	15-100			15-100			15-100		
Condenser coil data									
Face area (sq. ft.)	35.4			35.4			35.4		
Type	MCHX			MCHX			MCHX		
Thickness (mm)	25			25			25		
FPI	23			23			23		
Circuitry type	Two-pass			Two-pass			Two-pass		
Evaporator coil data									
Face area (sq. ft.)	26.0			26.0			26.0		
Rows	4			4			4		
Fins per in.	15			15			15		
Tube diameter	3/8			3/8			3/8		
Circuitry type	Intertwined			Intertwined			Intertwined		
Refrigerant control	TXV			TXV			TXV		
Condenser fan data									
Quantity	4			4			4		
Fan diameter (in.)	30			30			30		
Type	Prop			Prop			Prop		
Drive type	Direct			Direct			Direct		
Number of motors	4			4			4		
Motor hp each	1/2			1/2			1/2		
rpm	900			900			900		
Nominal total cfm	26,200			26,200			26,200		
Belt drive evaporator fan data									
Quantity	2			2			2		
Fan size (in.)	15 x 15			15 x 15			15 x 15		
Type	Centrifugal			Centrifugal			Centrifugal		
Static range	Standard	Medium	High	Standard	Medium	High	Standard	Medium	High
Motor sheave	1VL44	1VM50	1VP71	1VM50	1VM50	1VP71	1VM50	1VP60	1VP60
Blower sheave	1B5V86	1B5V74	1B5V94	1B5V90	1B5V74	1B5V94	1B5V80	1B5V80	1B5V74

Table 8: KE18to KE23 physical data

Component	Models								
	KE18			KE20			KE23		
Nominal tonnage	**17.5**			**20**			**23**		
Belt	AX41	BX40	BX47	BX43	BX40	BX47	BX43	BX43	5VX450
Motor hp each	3.7	5.3	7.50	5.3	5.3	7.50	5.3	7.5	10.00
rpm	1750	1750	1760	1750	1750	1760	1750	1760	1765
Frame size	56	145T	213T	145T	145T	213T	145T	213T	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 2)[3,4,5]		
	9 - (16 x 25 x 4)[6]			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. 2 in. pleated, optional, MERV 8.
5. 2 in. pleated, optional, MERV 13.
6. 4 in. pleated, optional, MERV 13.

Unit limitations

Table 9: KE13 to KE23 unit limitations

Unit voltage	Applied voltage		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.

KE13 cooling capacity performance

Table 10: KE13 cooling performance, 75°F to 85°F

Air on evap. coil		Temperature of air on condenser coil																					
		Return dry bulb temperature (°F)												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												85.0°F									
3125	77	186.2	101.4	186.6	85.0	185.7	68.0	-	-	-	-	-	-	179.9	98.0	179.7	81.8	179.9	65.9	-	-	-	-	-	-
	72	172.4	117.8	171.9	102.1	171.1	84.7	171.2	69.5	-	-	-	-	165.6	114.8	165.2	98.1	164.9	83.3	164.7	66.9	-	-	-	-
	67	157.9	134.5	158.0	118.9	157.1	101.1	157.0	85.5	156.5	69.7	-	-	151.7	130.7	151.4	115.4	151.1	98.8	150.7	82.1	150.3	67.0	-	-
	62	147.4	145.9	144.2	134.2	143.7	118.1	143.1	100.6	143.4	85.2	142.3	69.0	142.5	141.1	137.9	129.7	137.9	114.7	138.1	98.5	137.2	81.5	136.1	66.0
	57	147.2	146.3	140.1	138.7	133.0	131.7	130.7	116.5	130.7	100.9	129.8	84.8	142.3	140.9	134.8	133.5	128.2	127.0	124.9	112.5	124.4	97.3	123.7	80.8
3750	77	195.1	110.1	194.3	90.4	194.4	71.2	-	-	-	-	-	-	187.4	107.6	187.9	89.3	188.3	69.0	-	-	-	-	-	-
	72	179.5	129.7	179.2	110.0	179.0	92.2	178.9	72.6	-	-	-	-	173.4	127.0	172.0	107.3	172.0	88.6	171.8	69.7	-	-	-	-
	67	165.3	150.6	165.3	131.0	164.8	111.0	163.9	90.9	163.6	72.9	-	-	158.0	147.1	158.3	126.9	158.0	107.9	158.3	89.3	157.2	70.0	-	-
	62	159.2	157.6	152.0	147.5	150.7	129.9	151.0	110.6	150.4	92.3	149.7	72.7	153.6	152.1	145.4	143.9	144.4	127.3	144.1	107.0	143.4	88.0	142.7	69.2
	57	158.7	157.2	150.5	149.1	142.4	141.0	137.3	129.1	137.1	110.0	136.4	90.5	153.5	152.0	145.2	143.8	137.1	135.8	131.0	124.5	130.5	106.0	129.7	87.4
4375	77	201.3	119.6	200.4	97.2	200.7	75.5	-	-	-	-	-	-	193.1	116.6	193.7	94.0	193.3	72.7	-	-	-	-	-	-
	72	185.4	143.2	185.1	119.1	185.0	97.1	185.1	75.2	-	-	-	-	178.9	139.9	177.8	116.2	177.7	95.0	177.3	72.0	-	-	-	-
	67	171.7	164.9	170.8	143.8	170.4	119.8	169.3	97.2	169.2	75.4	-	-	164.2	159.4	163.4	139.1	163.0	116.2	163.3	95.4	161.8	72.1	-	-
	62	168.5	166.9	159.9	158.3	155.8	142.0	156.1	120.5	155.7	98.7	155.0	75.2	162.7	161.1	153.9	152.4	149.0	138.7	148.9	116.5	148.3	94.0	147.5	73.0
	57	168.2	166.6	159.5	158.0	150.8	149.3	142.8	140.0	142.2	119.7	141.5	96.7	162.7	161.1	153.7	152.2	145.0	143.6	136.5	135.1	135.0	115.0	134.4	93.2
5000	77	206.0	128.5	205.2	101.6	205.7	77.4	-	-	-	-	-	-	197.5	125.2	198.2	100.1	197.8	74.4	-	-	-	-	-	-
	72	190.0	154.3	190.1	128.0	189.7	103.3	189.9	79.0	-	-	-	-	183.3	150.7	182.1	124.4	182.0	99.1	181.8	75.6	-	-	-	-
	67	177.1	175.3	175.0	154.2	174.8	129.8	173.6	103.1	173.9	79.2	-	-	170.5	168.8	166.8	150.3	167.1	125.8	167.3	101.1	166.1	75.7	-	-
	62	176.7	175.0	167.5	165.9	160.3	152.4	160.2	128.5	159.8	102.8	159.1	78.8	170.5	168.8	161.0	159.5	153.3	148.8	152.5	123.8	151.9	99.3	151.1	74.8
	57	176.3	174.6	167.0	165.3	157.8	156.2	148.8	147.3	146.0	127.2	145.4	102.2	170.2	168.5	161.0	159.4	151.8	150.4	142.7	141.3	138.4	123.3	138.0	98.4
5625	77	210.0	137.2	209.2	107.7	209.8	81.0	-	-	-	-	-	-	201.0	133.4	201.9	106.0	202.1	78.1	-	-	-	-	-	-
	72	193.5	164.8	193.4	137.9	193.4	109.1	193.7	80.6	-	-	-	-	186.0	162.1	185.5	134.1	185.4	104.7	185.1	77.0	-	-	-	-
	67	184.0	182.2	178.4	166.0	178.6	137.9	177.7	109.1	177.4	80.8	-	-	177.2	175.4	170.1	160.0	170.5	133.4	171.0	105.0	169.5	77.2	-	-
	62	183.7	181.9	174.0	172.3	164.3	162.7	163.4	137.6	163.1	108.2	162.1	80.3	177.1	175.4	167.3	165.6	157.6	156.1	155.4	132.4	154.7	104.2	153.4	77.5
	57	183.2	181.4	173.6	171.9	163.8	162.2	154.3	152.8	148.7	137.0	148.0	108.4	176.8	175.0	167.2	165.5	157.5	156.0	148.0	146.5	141.1	131.3	140.0	102.6
6250	77	213.1	145.6	212.5	113.6	213.1	82.3	-	-	-	-	-	-	203.9	141.3	205.2	109.7	204.5	79.0	-	-	-	-	-	-
	72	196.4	177.0	196.5	145.9	196.6	112.9	196.9	83.8	-	-	-	-	188.7	173.7	188.2	141.7	188.3	110.0	188.0	80.0	-	-	-	-
	67	190.1	188.2	182.1	174.9	181.5	145.6	180.4	114.3	180.3	83.9	-	-	182.8	181.1	173.8	170.4	173.2	140.6	173.6	110.0	172.1	80.1	-	-
	62	189.7	187.9	179.7	177.9	169.6	168.0	166.7	145.3	166.0	113.4	165.3	83.5	182.8	181.0	172.6	170.9	162.5	160.9	157.8	140.6	157.4	109.1	156.3	78.9
	57	189.3	187.4	179.2	177.5	169.2	167.5	159.2	157.6	151.3	143.8	150.8	113.5	182.7	180.9	172.5	170.8	162.4	160.8	152.5	151.0	143.8	138.1	142.8	108.9

Table 11: KE13 cooling performance, 95°F to 105°F

Air on evap. coil		Temperature of air on condenser coil																							
		Return dry bulb temperature (°F)												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
		95°F												105°F											
3125	77	168.1	93.2	167.9	78.1	167.9	61.5	-	-	-	-	-	-	161.3	91.0	160.9	74.9	161.1	59.0	-	-	-	-	-	-
	72	154.5	108.6	154.2	93.1	154.2	77.9	153.8	62.4	-	-	-	-	147.7	106.7	147.6	90.6	147.4	74.5	147.2	59.8	-	-	-	-
	67	141.0	124.3	141.0	108.9	140.8	93.4	140.5	77.9	140.1	62.4	-	-	134.5	122.5	134.6	106.6	134.5	90.6	134.2	74.4	133.8	59.6	-	-
	62	133.9	132.6	128.7	123.6	128.2	107.9	127.9	92.4	127.8	77.2	126.7	61.5	129.1	127.8	123.0	119.4	122.2	105.3	121.8	89.3	121.9	74.9	120.7	58.6
	57	133.8	132.5	126.6	125.3	120.2	119.0	115.8	106.6	115.5	91.5	115.0	76.3	129.0	127.8	121.8	120.6	115.5	114.4	109.9	103.4	109.8	88.0	109.2	72.5
3750	77	174.8	102.1	174.8	83.1	175.2	65.9	-	-	-	-	-	-	166.9	99.2	167.1	81.1	167.4	63.0	-	-	-	-	-	-
	72	160.6	120.8	160.4	101.7	160.3	84.1	160.2	65.0	-	-	-	-	153.1	118.2	153.0	100.0	153.0	80.3	152.9	62.1	-	-	-	-
	67	147.2	138.4	147.0	120.8	146.9	101.8	146.6	84.2	146.2	65.1	-	-	140.5	135.0	139.9	117.8	140.0	99.8	139.7	80.2	139.3	62.1	-	-
	62	144.1	142.6	136.1	134.8	133.7	120.5	133.8	102.0	133.1	83.1	132.5	64.3	138.6	137.3	130.8	129.5	126.9	116.8	127.1	98.2	126.6	80.2	125.8	61.0
	57	144.0	142.5	136.0	134.7	128.3	127.0	121.6	118.0	120.9	100.5	120.2	82.1	138.5	137.3	130.7	129.4	123.1	121.9	115.4	114.3	114.4	97.4	114.0	79.0
4375	77	179.8	110.4	179.7	89.0	180.2	67.8	-	-	-	-	-	-	171.4	108.6	171.6	86.7	172.1	64.7	-	-	-	-	-	-
	72	165.3	132.6	165.2	111.2	165.2	88.3	165.2	68.7	-	-	-	-	157.1	129.2	157.5	107.6	157.4	85.7	157.4	65.5	-	-	-	-
	67	152.5	151.0	151.2	131.7	151.3	110.8	150.9	88.2	150.6	67.1	-	-	146.4	145.0	142.9	128.7	144.0	106.9	143.7	85.4	143.0	65.1	-	-
	62	152.4	150.9	144.0	142.6	138.0	131.2	138.0	109.3	137.5	88.5	136.7	67.7	146.3	145.0	138.1	136.7	131.3	126.1	130.8	106.2	130.4	85.3	129.6	64.2
	57	152.3	150.8	143.8	142.4	135.3	134.0	127.2	126.0	124.8	108.7	124.3	87.4	146.3	144.9	138.0	136.6	129.9	128.7	121.6	120.5	117.8	105.0	117.6	83.8
5000	77	183.5	118.1	183.7	94.6	184.0	69.2	-	-	-	-	-	-	174.6	115.8	175.1	91.9	175.6	67.8	-	-	-	-	-	-
	72	169.0	143.9	169.1	118.9	169.2	93.8	169.1	70.3	-	-	-	-	160.3	141.3	160.9	116.3	160.9	90.8	160.9	66.9	-	-	-	-
	67	159.6	158.0	154.3	142.1	154.8	118.1	154.3	94.7	154.0	70.2	-	-	153.1	151.6	146.5	139.3	146.9	114.9	146.6	91.5	146.1	66.5	-	-
	62	159.5	157.9	150.6	149.1	141.7	140.3	141.0	117.3	140.6	93.3	139.9	69.3	153.0	151.5	144.1	142.7	135.5	134.2	133.3	114.8	133.0	89.6	132.4	66.8
	57	159.4	157.8	150.4	149.0	141.6	140.2	132.9	131.6	127.6	116.3	127.4	92.1	153.0	151.5	144.1	142.7	135.5	134.2	126.8	125.5	120.5	112.1	120.3	89.3
5625	77	186.4	127.4	187.3	100.1	187.4	72.4	-	-	-	-	-	-	177.2	122.8	177.9	96.9	177.5	68.5	-	-	-	-	-	-
	72	172.0	155.0	171.9	126.0	172.0	98.8	171.8	73.1	-	-	-	-	162.6	151.3	163.2	122.8	163.4	95.5	162.8	69.3	-	-	-	-
	67	165.5	163.9	157.8	151.6	157.8	126.6	157.4	99.8	157.0	71.5	-	-	158.6	157.0	149.2	147.7	149.2	122.6	149.3	96.1	148.8	69.3	-	-
	62	165.4	163.8	156.1	154.6	146.8	145.4	143.4	125.0	143.1	97.8	141.6	71.5	158.5	157.0	149.2	147.8	140.4	139.0	135.3	122.0	135.2	95.1	133.6	67.5
	57	165.4	163.8	156.0	154.5	146.7	145.3	137.6	136.2	130.0	123.6	129.0	97.0	158.2	157.1	149.2	147.9	140.2	138.9	131.2	129.9	122.9	119.2	121.4	92.5
6250	77	188.9	134.7	189.5	103.2	190.2	73.5	-	-	-	-	-	-	179.3	131.4	180.3	101.8	181.1	71.7	-	-	-	-	-	-
	72	173.9	163.6	174.3	134.6	174.5	103.7	174.4	74.3	-	-	-	-	165.1	158.6	165.0	130.7	165.5	101.6	165.4	70.4	-	-	-	-
	67	170.8	169.1	160.9	159.4	160.0	133.1	159.8	104.4	159.3	74.1	-	-	163.3	161.7	153.8	152.3	151.1	130.1	151.4	100.4	150.7	70.1	-	-
	62	170.6	168.9	160.9	159.3	151.4	150.0	145.5	132.5	145.4	103.6	144.4	72.9	163.3	161.7	153.8	152.3	144.6	143.2	137.1	129.0	137.2	99.2	136.2	70.1
	57	170.5	168.8	160.8	159.2	151.2	149.7	141.8	140.4	132.4	129.8	131.4	101.5	163.3	161.8	153.7	152.2	144.4	143.0	135.0	133.7	125.5	124.2	123.7	98.0

Table 12: KE13 cooling performance, 115°F to 125°F

Air on evap. coil		Temperature of air on condenser coil																							
		Return dry bulb temperature (°F)												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											
3125	77	150.5	86.5	150.6	71.6	150.8	55.2	-	-	-	-	-	-	139.4	82.8	139.6	66.3	140.4	52.8	-	-	-	-	-	-
	72	138.2	102.6	138.0	86.1	137.9	71.0	137.4	55.8	-	-	-	-	127.6	97.3	127.6	82.2	127.5	66.9	127.5	51.7	-	-	-	-
	67	125.2	116.6	125.5	101.9	125.6	85.8	125.2	70.7	124.9	55.6	-	-	116.1	110.3	115.8	96.3	115.9	81.5	115.6	66.4	115.4	51.4	-	-
	62	121.9	120.7	115.0	113.8	113.7	100.2	113.4	85.3	113.7	69.8	112.4	54.6	114.2	113.0	107.4	106.4	104.5	95.2	104.5	80.7	104.9	65.5	103.6	50.3
	57	121.8	120.6	114.8	113.7	108.8	107.7	102.6	98.5	101.8	83.6	101.4	68.3	114.0	112.9	107.4	106.3	101.6	100.6	94.2	93.2	93.4	78.6	93.2	63.7
3750	77	155.8	95.7	156.1	77.3	156.5	58.9	-	-	-	-	-	-	144.2	90.0	144.7	73.1	145.3	54.7	-	-	-	-	-	-
	72	142.6	113.0	142.7	94.7	142.6	76.3	142.7	57.9	-	-	-	-	131.2	107.8	131.6	89.9	131.3	71.5	131.6	54.7	-	-	-	-
	67	130.6	129.4	130.2	112.1	130.2	94.1	129.9	75.9	130.2	58.0	-	-	122.0	120.8	119.3	107.5	119.8	88.9	119.8	71.2	119.3	54.4	-	-
	62	130.7	129.4	123.1	121.9	117.8	110.9	117.8	93.3	117.6	75.7	117.0	57.9	121.9	120.7	114.7	113.6	108.6	105.3	108.2	87.9	108.0	70.6	107.4	53.2
	57	130.4	129.2	123.0	121.8	115.6	114.5	108.1	107.0	106.1	91.4	105.5	74.2	121.9	120.7	114.7	113.5	107.5	106.5	100.2	99.2	97.3	86.7	96.7	68.9
4375	77	160.0	103.0	159.9	82.3	160.7	60.5	-	-	-	-	-	-	147.5	97.9	148.1	77.7	148.8	57.5	-	-	-	-	-	-
	72	146.0	124.4	146.4	103.0	146.4	81.2	146.6	61.0	-	-	-	-	133.7	119.2	134.7	97.4	134.9	77.5	135.0	56.2	-	-	-	-
	67	137.8	136.5	132.5	123.3	133.4	101.7	133.3	81.8	133.0	60.6	-	-	128.3	127.1	122.3	116.2	122.3	96.9	122.3	76.3	122.2	55.7	-	-
	62	137.7	136.3	129.7	128.4	121.7	120.5	120.9	101.8	120.8	80.1	120.1	59.4	128.2	126.9	120.6	119.4	112.9	111.8	110.3	96.1	110.5	75.5	110.0	55.5
	57	137.7	136.3	129.6	128.3	121.6	120.5	113.7	112.5	108.7	99.1	108.6	78.5	128.2	126.9	120.5	119.3	112.9	111.8	105.2	104.2	99.2	93.3	99.1	73.6
5000	77	162.6	111.1	163.2	87.3	163.3	63.1	-	-	-	-	-	-	149.7	105.3	150.4	81.9	151.4	58.5	-	-	-	-	-	-
	72	148.2	135.0	149.3	110.9	149.6	87.4	149.7	63.7	-	-	-	-	136.1	128.0	136.9	105.7	137.5	81.7	137.6	58.6	-	-	-	-
	67	143.6	142.2	136.1	132.1	136.0	109.1	135.8	86.1	135.5	63.1	-	-	133.5	132.2	125.3	124.1	124.4	104.7	124.7	81.5	124.3	57.9	-	-
	62	143.6	142.2	135.1	133.8	127.1	125.9	123.0	108.4	122.9	85.2	122.3	61.8	133.5	132.2	125.2	124.2	117.4	116.3	112.3	102.3	112.2	80.0	111.6	56.4
	57	143.5	142.1	135.1	133.7	126.7	125.5	118.3	117.1	111.2	106.8	110.8	83.4	133.4	132.0	125.2	124.2	117.2	116.0	109.3	108.2	101.2	100.2	100.8	77.8
5625	77	165.0	119.3	165.7	91.9	166.0	65.8	-	-	-	-	-	-	151.4	112.5	152.6	86.1	153.4	60.8	-	-	-	-	-	-
	72	151.0	143.6	151.2	118.3	151.5	91.5	151.4	64.5	-	-	-	-	138.2	136.9	139.3	113.1	139.0	86.7	139.1	60.6	-	-	-	-
	67	148.6	147.1	139.9	138.5	137.5	117.1	138.0	90.2	137.7	64.1	-	-	138.2	136.8	129.6	128.4	125.7	110.8	126.3	85.0	126.0	59.9	-	-
	62	148.5	147.1	139.7	138.4	131.1	129.8	124.8	116.2	124.8	88.9	123.1	63.4	138.0	136.7	129.5	128.3	121.3	120.1	114.0	108.4	113.7	83.3	111.9	57.6
	57	148.5	147.0	139.7	138.4	130.9	129.7	122.3	121.1	113.4	112.3	111.5	87.2	138.0	136.7	129.5	128.2	121.1	119.9	112.7	111.6	103.5	102.4	100.9	80.9
6250	77	166.7	125.5	167.8	96.4	168.1	66.6	-	-	-	-	-	-	152.5	120.8	154.1	91.6	155.0	62.9	-	-	-	-	-	-
	72	153.0	151.5	152.8	125.6	153.3	95.6	153.3	66.8	-	-	-	-	141.9	140.5	139.6	118.9	140.4	90.4	140.7	61.3	-	-	-	-
	67	153.0	151.5	143.9	142.4	139.2	124.1	139.9	95.6	139.5	66.3	-	-	141.9	140.5	133.1	131.8	126.7	118.0	127.8	89.8	127.1	61.7	-	-
	62	152.9	151.4	143.8	142.4	134.8	133.4	126.7	121.7	126.4	93.9	125.4	64.6	141.8	140.4	133.0	131.7	124.5	123.3	115.6	114.4	115.0	87.7	114.1	59.9
	57	152.3	150.8	143.7	142.3	134.7	133.3	125.5	124.3	116.4	115.3	113.3	92.0	141.7	140.4	133.0	131.7	124.3	123.1	115.6	114.5	106.9	105.9	102.8	86.5

BHC Residential & Light Commercial LLC

KE15 cooling capacity performance

Table 13: KE15 cooling performance, 75°F to 85°F

Air on evap. coil		Temperature of air on condenser coil																					
		Return dry bulb temperature (°F)												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												85.0°F									
3750	77	223.0	117.9	222.5	98.4	221.6	78.8	-	-	-	-	-	-	213.0	114.7	213.1	94.2	213.5	75.9	-	-	-	-	-	-
	72	205.6	138.3	205.1	118.3	204.6	98.3	204.7	80.7	-	-	-	-	196.6	134.1	196.5	115.2	196.3	96.2	196.0	77.2	-	-	-	-
	67	188.8	156.0	189.0	138.1	188.4	117.7	188.5	99.6	187.7	81.2	-	-	180.7	152.9	181.0	134.0	180.5	114.5	180.0	95.2	179.6	77.7	-	-
	62	176.9	170.1	172.8	156.1	172.9	137.9	172.0	119.0	172.4	99.4	171.3	80.7	170.7	164.0	165.3	152.5	165.1	133.3	165.4	114.5	164.7	96.6	163.7	77.1
	57	176.8	170.3	168.4	161.8	160.3	154.1	157.5	136.3	157.4	118.0	156.6	99.3	170.6	164.0	162.0	155.7	154.1	148.1	150.1	132.7	149.9	113.8	149.3	94.7
4500	77	231.8	129.2	231.1	106.6	231.4	82.3	-	-	-	-	-	-	221.4	123.4	222.3	102.6	221.9	81.0	-	-	-	-	-	-
	72	213.7	152.0	213.5	129.3	213.6	106.8	213.6	84.2	-	-	-	-	205.1	147.9	204.5	125.8	204.3	102.1	204.1	80.4	-	-	-	-
	67	197.1	174.3	197.3	151.7	197.1	128.8	196.0	107.4	195.6	84.6	-	-	187.8	169.6	188.2	148.4	188.0	124.7	188.3	103.1	187.3	81.0	-	-
	62	190.3	182.9	182.2	173.4	180.9	153.0	180.8	130.4	180.2	107.4	179.6	84.6	183.2	176.1	173.8	167.1	172.3	147.4	172.3	125.8	172.1	102.5	170.8	80.5
	57	190.1	182.7	180.5	173.5	171.1	164.5	164.8	152.0	164.9	128.3	164.3	107.4	183.1	176.0	173.8	167.0	164.5	158.1	157.4	146.8	156.9	125.2	156.3	102.2
5250	77	238.4	139.7	237.7	112.0	238.4	87.1	-	-	-	-	-	-	227.3	135.5	228.9	110.0	228.3	83.4	-	-	-	-	-	-
	72	220.3	165.1	220.3	139.7	220.4	112.3	220.7	87.0	-	-	-	-	210.9	162.1	210.7	135.7	210.5	109.3	210.5	82.9	-	-	-	-
	67	204.2	190.3	203.6	166.4	203.4	140.8	202.4	112.8	202.2	87.5	-	-	194.7	185.3	193.5	161.8	193.7	135.9	194.0	110.0	193.2	83.6	-	-
	62	201.3	193.5	191.1	183.7	186.6	166.8	186.5	139.9	186.1	114.5	185.7	87.5	193.4	185.9	183.5	176.4	177.5	160.4	177.4	134.7	177.0	108.9	176.7	84.9
	57	200.9	193.1	190.8	183.4	180.7	173.7	171.4	163.1	170.5	139.3	170.1	112.8	193.4	185.9	183.3	176.2	173.6	166.8	163.6	157.3	162.2	134.1	161.6	108.7
6000	77	243.6	147.5	243.2	119.2	244.1	89.1	-	-	-	-	-	-	232.2	145.1	233.7	114.6	233.4	85.3	-	-	-	-	-	-
	72	225.1	179.6	225.2	149.4	225.5	119.2	225.7	91.1	-	-	-	-	216.1	174.5	215.1	144.7	215.1	115.8	215.0	86.8	-	-	-	-
	67	210.8	202.6	207.8	179.8	208.6	150.4	207.4	119.6	207.3	91.6	-	-	202.2	194.4	197.7	174.8	198.3	144.9	198.9	116.6	197.9	87.5	-	-
	62	210.6	202.4	199.7	191.9	191.5	178.5	191.2	148.9	190.8	121.0	190.3	91.4	202.1	194.3	191.5	184.1	182.5	171.9	181.6	144.9	181.3	115.0	180.8	86.9
	57	210.0	201.9	199.3	191.6	188.8	181.5	178.4	171.5	174.7	149.5	174.5	120.7	202.1	194.3	191.4	184.1	181.2	174.1	170.7	164.0	165.7	144.9	165.5	114.5
6750	77	247.8	157.2	247.7	123.8	248.4	93.1	-	-	-	-	-	-	236.0	154.3	238.0	121.2	237.6	89.1	-	-	-	-	-	-
	72	228.7	191.2	229.3	158.7	229.7	125.9	229.9	92.8	-	-	-	-	219.0	187.4	218.7	153.5	218.9	122.0	219.2	88.5	-	-	-	-
	67	218.8	210.3	211.8	191.4	212.6	159.4	211.4	126.0	211.5	93.5	-	-	209.5	201.4	201.4	185.9	202.0	155.3	202.6	122.7	201.7	89.2	-	-
	62	218.8	204.7	207.3	199.2	196.1	188.5	195.0	159.3	194.6	127.2	193.9	93.2	209.5	195.9	198.4	190.7	187.6	180.3	185.0	154.7	184.4	122.3	183.6	90.0
	57	218.7	209.5	206.8	198.7	195.6	188.0	184.8	177.6	178.1	159.2	177.5	126.2	209.5	201.3	198.4	190.7	187.6	180.3	176.6	169.8	168.7	152.4	168.0	121.1
7500	77	251.4	166.7	251.1	130.4	252.1	94.5	-	-	-	-	-	-	239.2	163.2	241.2	127.5	240.9	90.3	-	-	-	-	-	-
	72	232.0	205.2	232.5	167.6	233.2	132.3	233.3	96.4	-	-	-	-	221.7	200.3	221.7	164.1	222.3	128.2	222.3	91.9	-	-	-	-
	67	225.6	216.8	216.0	201.4	215.6	167.9	214.6	132.0	214.7	97.0	-	-	215.8	207.5	204.7	196.8	204.7	163.3	205.3	128.2	204.3	92.3	-	-
	62	225.5	216.7	213.5	205.2	202.0	194.1	198.0	169.4	198.0	133.2	197.5	96.8	215.8	207.4	204.3	196.4	193.1	185.6	187.6	164.1	187.7	128.1	187.0	91.6
	57	224.8	216.1	213.1	204.9	201.7	193.8	190.2	182.9	181.2	167.2	180.8	132.1	215.8	207.4	204.3	196.4	193.1	185.6	181.9	174.8	171.9	160.3	171.1	126.6

Table 14: KE15 cooling performance, 95°F to 105°F

Air on evap. coil		Temperature of air on condenser coil																					
		Return dry bulb temperature (°F)												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									
3750	77	201.6	108.5	201.7	91.1	202.3	72.0	-	-	-	-	-	-	191.3	104.8	191.6	86.6	191.7	68.2	-	-	-	-	-	-
	72	185.8	128.6	185.7	108.9	185.6	91.0	185.3	73.0	-	-	-	-	176.1	123.5	176.2	106.7	176.1	88.0	175.8	69.3	-	-	-	-
	67	170.5	147.5	170.7	128.0	170.4	109.7	170.0	91.5	170.1	73.6	-	-	161.1	142.5	161.7	124.4	161.5	105.5	161.2	88.3	160.8	69.5	-	-
	62	162.5	156.2	156.4	145.8	155.7	128.7	155.4	109.0	155.5	91.1	154.5	72.7	155.7	149.7	148.5	139.8	147.3	123.2	147.1	106.0	147.3	87.8	146.1	68.8
	57	162.4	156.1	154.1	148.1	146.4	140.8	141.2	127.6	141.1	108.5	140.5	90.5	155.4	149.4	147.3	141.6	139.9	134.4	133.5	121.9	133.4	103.8	132.8	85.5
4500	77	209.4	118.8	209.4	96.6	210.5	76.9	-	-	-	-	-	-	198.4	116.3	199.0	93.7	199.0	72.7	-	-	-	-	-	-
	72	192.3	142.3	192.8	120.4	192.7	98.2	192.5	75.8	-	-	-	-	182.4	138.5	182.4	115.7	182.4	94.7	182.6	72.0	-	-	-	-
	67	177.4	163.7	177.3	141.4	177.1	120.9	176.8	98.5	176.2	76.2	-	-	167.9	158.2	167.3	138.3	167.3	115.8	167.1	94.8	166.9	72.2	-	-
	62	174.1	167.3	165.0	158.6	162.0	141.7	162.1	120.0	161.7	97.9	161.0	75.8	166.3	159.9	157.5	151.4	152.7	137.9	153.0	114.7	152.7	93.9	152.0	71.6
	57	174.1	167.3	165.0	158.6	156.0	149.9	148.2	139.6	147.4	119.0	146.8	97.3	166.2	159.7	157.4	151.3	148.6	142.8	139.8	134.3	138.7	114.6	138.3	93.1
5250	77	214.4	129.8	214.7	103.2	215.4	78.7	-	-	-	-	-	-	202.7	124.7	203.4	99.7	204.1	74.5	-	-	-	-	-	-
	72	197.9	156.0	198.3	129.6	198.5	104.9	198.5	80.1	-	-	-	-	187.4	151.3	187.5	126.1	187.4	100.9	188.1	75.9	-	-	-	-
	67	183.6	176.5	181.9	155.6	182.0	129.5	181.8	104.8	181.7	80.3	-	-	175.0	168.2	171.2	151.4	171.6	125.3	171.5	100.6	171.4	75.8	-	-
	62	183.6	176.4	174.0	167.2	166.9	154.0	166.7	129.8	166.4	103.9	165.7	79.7	175.1	168.3	165.8	159.3	157.6	148.4	157.1	125.4	156.7	99.4	156.1	75.0
	57	183.6	176.6	173.9	167.2	164.3	157.9	154.7	148.7	151.8	128.4	151.4	103.3	174.9	168.1	165.7	159.3	156.4	150.3	146.8	141.1	142.6	123.4	142.4	98.6
6000	77	218.6	138.7	219.3	109.6	220.2	82.5	-	-	-	-	-	-	206.6	135.0	207.8	105.8	208.8	78.3	-	-	-	-	-	-
	72	201.8	168.8	202.5	140.1	202.5	110.9	203.2	82.0	-	-	-	-	190.2	162.7	190.9	134.0	191.2	106.6	191.5	77.3	-	-	-	-
	67	191.6	184.2	185.3	167.4	186.1	139.5	186.0	110.8	185.8	82.1	-	-	182.4	175.3	174.9	161.3	175.1	134.6	175.2	106.1	175.0	77.4	-	-
	62	191.5	184.1	181.4	174.4	171.4	164.7	170.3	139.1	169.9	109.4	169.4	81.4	182.6	175.5	172.6	165.9	162.7	156.4	159.9	133.7	159.8	106.0	159.4	78.1
	57	191.4	184.0	181.3	174.3	171.3	164.6	161.1	154.9	155.1	138.6	154.9	110.2	182.3	175.2	172.4	165.7	162.6	156.3	152.9	146.9	145.5	132.8	145.4	104.8
6750	77	222.1	147.3	222.9	115.7	223.8	83.9	-	-	-	-	-	-	209.4	142.9	210.4	111.2	211.8	79.4	-	-	-	-	-	-
	72	204.3	180.7	205.5	148.2	205.9	116.8	206.0	85.2	-	-	-	-	192.3	175.6	193.4	143.2	193.9	111.8	194.5	80.4	-	-	-	-
	67	198.3	190.6	189.4	178.4	189.3	147.4	189.3	116.5	189.1	85.4	-	-	188.4	181.1	178.3	171.4	177.7	143.5	178.4	111.5	177.9	80.4	-	-
	62	198.5	185.1	187.8	180.5	177.4	170.5	172.9	147.9	172.9	116.4	171.9	84.3	188.4	175.6	178.3	171.4	168.1	161.5	162.2	141.9	162.4	110.9	161.0	78.9
	57	198.1	190.4	187.6	180.3	177.3	170.5	166.6	160.1	157.8	145.6	156.7	114.5	188.3	181.0	178.3	171.3	167.9	161.4	157.6	151.5	148.4	139.7	146.7	108.6
7500	77	224.8	155.6	226.1	121.7	227.0	87.3	-	-	-	-	-	-	211.2	152.2	213.1	116.7	214.6	82.5	-	-	-	-	-	-
	72	207.3	191.3	208.2	156.1	208.9	122.5	208.9	86.3	-	-	-	-	195.0	183.7	195.6	152.3	196.6	117.1	196.9	83.3	-	-	-	-
	67	204.1	196.1	193.0	185.5	191.6	156.5	191.6	121.5	192.0	86.7	-	-	193.8	186.3	183.5	176.4	179.8	152.1	180.1	116.0	179.8	83.0	-	-
	62	204.0	196.3	193.0	185.5	182.2	175.1	175.3	156.7	175.6	121.5	174.9	87.4	193.7	186.2	183.5	176.3	172.6	165.9	164.6	150.3	165.1	115.8	164.1	82.0
	57	203.8	196.0	193.0	185.7	182.2	175.2	171.2	164.5	160.6	152.8	159.6	119.6	193.7	186.1	183.4	176.2	172.6	165.9	161.9	155.6	151.3	145.4	149.6	115.0

Table 15: KE15 cooling performance, 115°F to 125°F

Air on evap. coil		Temperature of air on condenser coil																							
		Return dry bulb temperature (°F)												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											
3750	77	179.0	101.5	179.5	82.8	180.2	65.8	-	-	-	-	-	-	166.0	95.7	166.4	78.4	167.2	61.1	-	-	-	-	-	-
	72	164.7	118.8	164.8	101.4	164.8	82.4	165.1	65.1	-	-	-	-	153.0	114.7	152.7	95.4	153.0	77.9	153.6	60.5	-	-	-	-
	67	150.4	137.3	150.9	118.9	150.9	101.5	150.1	82.2	150.4	65.1	-	-	139.9	130.5	139.4	113.9	139.8	95.4	139.7	77.9	139.9	60.5	-	-
	62	147.0	141.3	139.2	133.8	137.3	118.8	137.3	100.3	137.7	83.4	136.5	64.3	138.0	132.7	130.3	125.3	126.6	113.2	126.7	95.0	127.4	78.4	126.2	59.4
	57	147.0	141.3	139.1	133.7	132.0	126.9	124.9	116.4	124.4	99.3	123.8	80.9	138.0	132.6	130.2	125.4	123.5	118.7	115.4	109.8	115.3	95.3	114.2	75.8
4500	77	185.1	110.3	186.2	89.5	186.7	68.2	-	-	-	-	-	-	170.9	105.1	171.9	84.2	173.0	63.2	-	-	-	-	-	-
	72	170.2	132.5	170.2	111.3	170.3	90.0	170.8	69.0	-	-	-	-	156.5	126.3	157.4	105.9	157.7	84.9	158.1	63.8	-	-	-	-
	67	156.9	150.9	155.9	131.9	155.8	110.8	155.9	89.9	155.8	67.4	-	-	147.0	141.3	143.5	126.9	143.9	105.1	144.1	84.5	144.3	63.8	-	-
	62	156.9	150.8	148.4	142.7	142.3	131.3	142.2	109.3	142.3	88.9	141.6	68.0	146.8	141.1	138.6	133.2	131.2	123.6	130.9	104.4	130.9	83.0	130.8	62.8
	57	156.7	150.7	148.3	142.6	139.7	134.3	131.3	126.2	128.9	109.0	128.5	87.7	146.8	141.1	138.6	133.3	130.3	125.2	122.2	117.4	118.3	102.3	118.2	81.8
5250	77	188.9	119.8	189.7	94.8	190.9	71.6	-	-	-	-	-	-	174.1	113.8	175.2	89.2	176.6	66.2	-	-	-	-	-	-
	72	174.3	145.7	174.7	120.9	174.9	95.8	175.4	70.8	-	-	-	-	159.8	139.7	160.9	114.4	161.6	90.1	162.0	65.4	-	-	-	-
	67	164.8	158.4	159.1	143.8	159.5	119.6	159.6	95.1	159.7	70.6	-	-	153.8	147.9	146.7	136.8	146.9	114.4	147.4	89.2	147.3	65.1	-	-
	62	164.8	158.4	155.7	149.7	146.7	141.0	145.7	119.1	145.5	95.1	145.1	69.8	153.8	147.8	145.2	139.5	136.7	131.4	133.7	113.1	133.8	88.8	133.6	65.5
	57	164.8	158.4	155.7	149.6	146.7	141.0	137.6	132.3	132.2	118.2	131.9	93.8	153.7	147.8	145.3	139.6	136.7	131.3	127.8	122.8	121.1	111.7	121.1	87.3
6000	77	192.1	129.3	193.0	100.2	194.6	72.9	-	-	-	-	-	-	176.9	122.4	178.0	95.8	179.8	69.1	-	-	-	-	-	-
	72	176.2	157.5	177.4	129.6	178.1	101.0	178.5	73.8	-	-	-	-	162.2	149.7	163.2	122.4	163.9	96.1	165.1	68.2	-	-	-	-
	67	171.3	164.7	163.0	155.1	162.6	128.1	162.9	100.2	162.9	73.6	-	-	159.7	153.5	150.6	144.7	149.0	121.7	150.0	95.1	150.2	67.8	-	-
	62	171.4	164.8	162.1	155.8	152.3	146.4	147.8	127.9	148.2	99.7	148.0	72.6	159.7	153.5	150.9	145.0	141.7	136.2	135.6	121.2	135.9	94.1	135.3	67.3
	57	171.2	164.6	162.1	155.6	152.3	146.4	142.8	137.3	134.9	125.7	134.4	98.1	159.5	153.3	150.7	144.9	141.6	136.1	132.5	127.4	123.4	118.6	123.0	92.2
6750	77	194.5	138.3	195.7	105.3	197.1	75.8	-	-	-	-	-	-	178.7	130.6	179.8	100.2	182.3	70.1	-	-	-	-	-	-
	72	178.8	166.7	179.6	138.1	180.5	105.9	181.0	74.8	-	-	-	-	164.5	158.1	164.8	131.5	167.0	101.1	166.9	70.6	-	-	-	-
	67	176.9	170.1	167.2	160.7	164.9	137.9	165.6	106.6	165.2	74.6	-	-	164.4	158.0	155.4	149.3	151.0	130.6	152.2	100.9	152.2	70.2	-	-
	62	177.6	164.4	167.1	160.6	157.4	151.3	149.9	136.8	150.3	105.5	148.9	74.4	164.4	158.1	155.3	149.3	146.1	140.4	137.9	128.6	137.8	99.3	136.3	68.1
	57	176.9	170.1	167.2	160.7	157.4	151.3	147.3	141.5	137.5	132.1	135.4	102.8	164.4	158.0	155.3	149.3	145.9	140.3	136.3	131.0	127.0	122.1	123.5	97.3
7500	77	196.2	145.2	198.0	112.3	199.7	76.8	-	-	-	-	-	-	179.9	140.0	182.1	105.0	183.9	72.5	-	-	-	-	-	-
	72	181.3	174.3	181.5	146.5	182.5	112.3	183.2	77.5	-	-	-	-	168.6	162.0	165.8	140.2	167.2	106.1	168.6	72.9	-	-	-	-
	67	181.6	174.6	171.7	165.1	166.7	145.8	167.2	110.9	166.9	77.0	-	-	168.5	162.0	159.2	153.0	152.1	138.9	153.5	104.7	153.6	72.3	-	-
	62	181.6	174.5	171.7	165.0	161.4	155.2	152.3	143.4	152.2	109.7	151.7	77.3	168.5	161.9	159.2	153.0	149.7	143.9	139.7	134.3	139.3	104.4	138.8	70.7
	57	181.5	174.5	171.7	165.0	161.5	155.3	151.1	145.2	140.7	135.2	137.9	108.7	168.2	161.7	159.3	153.2	149.5	143.7	139.8	134.4	129.9	124.8	125.5	102.5

KE18 cooling capacity performance

Table 16: KE18 cooling performance, 75°F to 85°F

Air on evap. coil		Temperature of air on condenser coil																					
		Return dry bulb temperature (°F)												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												85.0°F									
4375	77	254.8	142.9	254.3	119.3	252.3	95.2	-	-	-	-	-	-	245.3	137.6	244.1	114.5	243.5	91.9	-	-	-	-	-	-
	72	234.2	164.8	233.1	142.6	231.4	118.0	230.6	96.4	-	-	-	-	224.6	160.4	223.4	136.8	222.1	115.6	220.8	92.4	-	-	-	-
	67	213.8	187.6	213.3	165.3	211.8	140.4	210.8	118.2	209.2	96.0	-	-	205.1	182.0	204.1	160.3	202.9	136.6	201.6	115.2	200.1	91.9	-	-
	62	199.7	203.7	194.3	186.3	193.2	163.6	191.7	140.8	191.4	117.2	189.3	94.6	193.0	196.8	185.5	181.6	184.7	158.3	184.3	137.3	182.8	113.7	181.0	90.4
	57	199.6	204.0	189.2	192.9	178.2	181.8	174.6	162.1	173.8	138.3	172.4	116.0	192.8	196.6	181.9	185.6	171.3	174.7	166.6	156.3	165.5	133.3	164.2	110.6
5250	77	265.9	154.6	263.9	126.5	262.6	99.1	-	-	-	-	-	-	255.0	150.9	254.4	124.6	252.1	97.7	-	-	-	-	-	-
	72	243.8	181.5	242.8	156.0	241.5	128.1	239.8	100.3	-	-	-	-	235.0	177.4	232.9	149.7	231.2	122.6	229.5	96.0	-	-	-	-
	67	223.7	209.9	222.5	181.6	221.6	153.7	219.3	127.5	217.7	99.9	-	-	213.8	202.8	212.4	177.7	211.4	148.8	210.8	122.6	208.3	95.6	-	-
	62	215.6	220.0	203.9	208.0	202.4	181.7	201.1	153.8	199.7	126.3	197.8	98.9	208.0	212.1	196.0	200.0	192.9	175.1	191.7	148.6	190.3	122.3	188.4	94.1
	57	215.1	219.4	203.3	207.3	191.5	195.3	182.8	179.0	181.9	152.1	180.6	125.3	207.9	212.0	195.9	199.8	184.2	187.8	174.0	174.0	173.1	146.6	171.6	119.0
6125	77	273.9	167.6	271.6	135.8	269.8	104.6	-	-	-	-	-	-	262.6	163.4	261.7	130.8	258.6	100.2	-	-	-	-	-	-
	72	251.2	199.9	250.3	165.9	249.0	134.6	246.9	103.3	-	-	-	-	242.0	195.0	239.8	161.4	238.1	131.1	235.9	98.6	-	-	-	-
	67	231.3	231.2	230.2	199.6	228.7	167.9	226.1	133.8	224.4	103.0	-	-	221.6	223.8	219.5	192.6	217.9	162.3	217.2	130.7	214.1	98.3	-	-
	62	228.7	233.3	215.9	220.2	208.7	198.0	207.7	165.3	206.1	134.5	204.2	104.1	220.5	224.9	207.6	211.7	198.8	190.6	197.4	161.1	195.9	129.9	193.9	98.9
	57	228.2	232.7	215.4	219.7	202.7	206.7	190.2	194.0	188.2	165.1	186.5	133.2	220.4	224.8	207.4	211.6	194.7	198.6	182.2	185.8	178.9	158.7	177.1	128.2
7000	77	280.0	180.0	277.4	141.5	275.4	106.7	-	-	-	-	-	-	268.2	175.1	267.3	139.0	263.7	102.2	-	-	-	-	-	-
	72	257.4	215.3	256.0	177.5	254.5	142.8	252.3	108.1	-	-	-	-	247.7	209.7	244.9	174.8	243.1	138.9	240.5	103.0	-	-	-	-
	67	240.3	245.1	236.0	214.2	234.4	179.3	231.6	141.8	229.5	107.7	-	-	231.2	235.8	224.7	208.6	223.1	172.9	222.4	138.4	218.8	102.7	-	-
	62	239.8	244.6	226.1	230.7	214.4	212.1	212.7	177.9	211.0	142.0	208.8	106.5	231.0	235.7	217.2	221.5	204.4	206.4	202.3	171.2	200.2	136.8	198.0	101.0
	57	239.2	244.0	225.6	230.1	212.1	216.3	198.8	202.7	192.6	174.8	191.0	140.3	230.8	235.4	217.2	221.5	203.6	207.6	190.2	194.0	182.7	169.6	180.9	134.7
7875	77	285.1	189.0	282.5	149.8	279.9	111.4	-	-	-	-	-	-	272.6	186.3	271.7	146.9	267.6	106.5	-	-	-	-	-	-
	72	262.0	229.8	260.8	188.9	259.1	150.7	256.6	109.9	-	-	-	-	252.0	226.2	249.3	185.6	247.2	146.3	244.4	104.7	-	-	-	-
	67	249.9	254.9	241.5	229.1	238.7	189.9	235.7	149.0	233.3	109.5	-	-	240.2	245.0	228.8	224.1	227.1	183.0	226.0	145.2	222.2	104.3	-	-
	62	249.3	254.3	234.9	239.6	220.6	225.1	217.2	188.3	215.2	149.2	212.0	108.1	240.0	244.8	225.5	230.0	211.2	215.4	205.8	182.6	204.0	143.6	200.5	104.3
	57	248.7	253.7	234.3	239.0	220.2	224.6	206.1	210.2	196.5	186.4	194.0	146.4	239.9	244.7	225.4	229.9	211.1	215.3	197.0	201.0	185.9	180.1	183.5	140.4
8750	77	288.9	200.4	286.1	157.6	283.4	112.7	-	-	-	-	-	-	276.5	194.6	275.4	151.7	270.9	107.8	-	-	-	-	-	-
	72	265.9	244.1	264.5	199.6	262.8	158.1	259.9	114.0	-	-	-	-	255.9	240.2	252.6	195.8	250.4	150.7	247.4	108.5	-	-	-	-
	67	258.1	263.2	244.5	244.4	242.5	200.3	239.0	156.0	236.4	113.3	-	-	247.9	252.8	233.2	235.5	230.2	194.9	229.1	151.9	224.8	107.8	-	-
	62	257.6	262.7	242.5	247.3	227.6	232.1	220.5	200.2	218.5	156.0	215.7	112.2	247.8	252.7	232.5	237.2	217.7	222.0	209.1	192.0	206.9	149.8	203.8	106.0
	57	256.9	262.1	241.9	246.7	227.1	231.6	212.5	216.8	199.7	197.6	197.4	153.1	247.7	252.6	232.5	237.2	217.6	221.9	202.9	207.0	189.1	191.0	186.6	148.4

Table 17: KE18 cooling performance, 95°F to 105°F

Air on evap. coil		Temperature of air on condenser coil																							
		Return dry bulb temperature (°F)												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
		95°F												105°F											
4375	77	233.9	133.6	232.5	111.5	231.1	87.2	-	-	-	-	-	-	222.9	129.6	221.5	106.2	220.0	83.0	-	-	-	-	-	-
	72	213.5	154.6	212.5	132.2	211.1	109.8	209.6	87.7	-	-	-	-	202.9	151.1	201.8	127.6	200.7	106.4	199.1	83.3	-	-	-	-
	67	194.7	176.7	193.7	154.1	192.6	131.6	191.2	109.2	189.7	87.1	-	-	184.6	171.3	183.6	149.8	182.6	126.6	181.1	105.3	179.6	82.4	-	-
	62	184.6	188.3	175.6	175.5	175.0	153.5	173.7	129.3	173.0	107.7	171.0	85.5	177.0	180.5	166.6	170.0	165.5	146.9	164.3	125.7	163.7	103.5	161.5	80.7
	57	184.5	188.2	173.9	177.3	163.4	166.6	157.2	150.7	156.1	127.4	154.8	105.8	176.8	180.3	166.2	169.6	155.9	159.0	148.2	145.1	147.3	123.2	146.0	101.3
5250	77	242.8	146.1	241.2	118.1	239.4	92.8	-	-	-	-	-	-	230.9	141.3	229.3	114.6	227.1	88.0	-	-	-	-	-	-
	72	222.1	172.2	220.9	144.2	219.4	118.6	217.5	91.0	-	-	-	-	210.8	167.8	209.5	138.9	207.9	112.4	205.9	86.1	-	-	-	-
	67	202.6	196.3	201.3	170.4	200.1	142.9	198.7	117.6	196.9	90.4	-	-	192.1	192.0	190.5	165.2	189.2	138.9	187.8	113.0	185.9	85.3	-	-
	62	198.8	202.8	187.1	190.8	182.3	169.2	181.1	142.3	179.6	115.4	177.7	88.8	190.3	194.1	178.6	182.2	171.9	163.1	170.8	137.6	169.2	110.5	167.3	85.3
	57	198.7	202.6	186.9	190.7	175.3	178.8	164.3	166.0	163.0	139.7	161.5	113.7	190.1	193.9	178.5	182.1	167.0	170.3	155.7	158.8	153.4	134.5	151.8	108.4
6125	77	249.6	157.8	247.6	126.3	245.4	95.1	-	-	-	-	-	-	236.9	152.2	235.0	122.2	232.3	90.0	-	-	-	-	-	-
	72	228.6	186.5	226.9	157.4	225.5	126.5	223.0	95.5	-	-	-	-	216.8	181.3	215.2	151.4	213.6	119.8	210.7	90.3	-	-	-	-
	67	210.7	214.9	207.3	186.1	206.0	155.5	204.2	125.0	202.0	94.8	-	-	201.5	205.5	195.9	179.8	194.3	150.7	192.7	119.9	190.3	89.3	-	-
	62	210.6	214.8	197.7	201.7	187.6	183.7	186.1	153.7	184.5	122.3	182.5	93.1	201.1	205.1	188.6	192.4	177.0	178.7	175.2	148.3	173.6	116.9	171.5	87.4
	57	210.5	214.7	197.7	201.7	185.2	188.9	172.8	176.3	167.9	152.4	166.3	122.1	201.1	205.1	188.5	192.3	176.1	179.6	163.9	167.2	157.5	146.2	155.9	116.1
7000	77	254.6	168.8	252.5	133.9	249.7	99.3	-	-	-	-	-	-	241.3	162.4	239.2	126.9	236.0	93.9	-	-	-	-	-	-
	72	233.3	202.3	231.7	167.8	229.9	131.3	227.1	97.3	-	-	-	-	221.0	196.1	219.0	160.8	217.1	126.2	214.0	91.7	-	-	-	-
	67	220.6	225.0	212.3	201.4	210.7	165.5	208.8	132.0	206.2	96.7	-	-	210.6	214.8	200.1	195.9	198.7	160.1	196.6	126.3	193.9	91.0	-	-
	62	220.4	224.8	206.8	211.0	193.5	197.3	190.3	165.0	188.3	130.6	185.9	94.8	210.4	214.6	197.0	200.9	183.7	187.4	178.6	158.5	176.8	124.4	174.2	90.6
	57	220.1	224.5	206.7	210.8	193.3	197.2	180.2	183.8	171.3	162.5	169.5	128.0	210.3	214.5	196.8	200.8	183.6	187.3	170.7	174.1	160.3	155.3	158.7	121.4
7875	77	258.6	179.4	256.6	138.7	253.3	100.8	-	-	-	-	-	-	244.8	174.8	242.7	133.7	239.2	95.1	-	-	-	-	-	-
	72	237.4	217.9	235.5	177.8	233.6	138.2	230.4	101.1	-	-	-	-	224.7	210.8	222.6	172.5	220.4	132.6	217.0	95.2	-	-	-	-
	67	228.9	233.5	216.1	216.0	214.2	176.9	211.7	138.2	208.8	100.1	-	-	218.4	222.8	204.2	208.2	201.5	170.6	199.8	132.5	196.1	94.0	-	-
	62	228.8	233.3	214.4	218.7	200.4	204.4	193.6	175.8	191.5	136.7	187.9	97.7	218.3	222.6	204.0	208.1	190.2	194.0	181.6	168.6	179.6	130.0	175.5	91.3
	57	228.6	233.2	214.3	218.6	200.3	204.3	186.5	190.3	174.3	172.5	171.3	134.5	218.1	222.5	203.9	208.0	190.0	193.8	176.2	179.8	163.0	166.3	159.8	127.1
8750	77	261.7	189.6	259.5	145.6	255.9	104.4	-	-	-	-	-	-	247.5	184.3	245.0	140.0	241.2	98.4	-	-	-	-	-	-
	72	240.6	230.7	238.6	187.4	236.3	144.6	232.8	102.1	-	-	-	-	227.5	225.1	225.1	181.4	222.5	140.7	218.9	98.3	-	-	-	-
	67	236.3	241.1	221.3	225.7	216.8	187.9	214.3	144.3	211.0	101.2	-	-	225.3	229.8	210.3	214.5	203.8	180.9	201.3	137.6	197.9	96.9	-	-
	62	236.0	240.7	221.1	225.5	206.4	210.5	196.2	184.1	194.1	142.5	190.9	101.3	225.2	229.7	210.2	214.4	195.4	199.3	183.9	178.2	181.6	137.1	178.1	94.5
	57	235.9	240.6	220.9	225.3	206.3	210.4	191.7	195.5	177.6	181.2	174.4	140.5	225.0	229.5	209.9	214.1	195.3	199.2	181.1	184.7	167.2	170.5	162.7	134.4

Table 18: KE18 cooling performance, 115°F to 125°F

Air on evap. coil		Temperature of air on condenser coil																							
		Return dry bulb temperature (°F)												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											
4375	77	210.7	124.7	209.2	102.4	207.7	78.4	-	-	-	-	-	-	196.8	118.5	195.4	95.7	193.4	75.0	-	-	-	-	-	-
	72	191.5	144.5	190.3	122.3	189.2	100.3	187.7	78.5	-	-	-	-	178.5	138.4	177.4	117.6	176.1	95.2	174.3	72.9	-	-	-	-
	67	173.8	164.9	173.0	142.9	171.9	121.0	170.5	99.1	169.0	77.6	-	-	161.5	159.8	160.8	137.8	159.6	115.6	158.2	93.6	156.2	71.7	-	-
	62	168.5	171.9	158.2	161.4	155.4	141.1	154.5	119.8	153.9	98.9	152.1	75.3	159.1	162.2	148.8	151.8	143.2	135.9	142.6	113.4	142.1	92.7	139.5	69.7
	57	168.4	171.8	158.1	161.3	147.9	150.9	139.0	139.0	138.2	118.4	136.9	96.3	158.9	162.1	148.7	151.6	138.8	141.6	128.9	131.5	126.9	111.4	125.4	89.6
5250	77	217.8	135.5	216.0	108.0	213.8	82.9	-	-	-	-	-	-	202.9	130.4	201.2	102.6	198.7	77.0	-	-	-	-	-	-
	72	198.7	160.1	197.3	134.8	195.7	107.8	193.6	82.9	-	-	-	-	184.9	154.6	183.5	129.1	181.6	101.9	179.1	76.7	-	-	-	-
	67	181.2	184.8	179.1	158.9	177.7	132.3	176.5	106.2	174.3	80.0	-	-	170.7	174.1	166.1	152.5	164.6	125.9	162.9	101.4	162.3	76.2	-	-
	62	181.0	184.6	169.6	173.0	161.0	157.7	160.1	130.6	158.7	105.2	156.5	79.8	170.4	173.8	159.2	162.4	148.7	150.1	147.4	124.8	145.8	98.1	143.5	73.2
	57	180.9	184.5	169.4	172.8	158.2	161.3	147.2	150.1	143.4	128.7	141.8	102.7	170.4	173.8	159.0	162.2	148.0	150.9	137.0	139.7	131.0	121.6	129.6	96.5
6125	77	223.1	147.9	221.2	115.1	218.5	84.7	-	-	-	-	-	-	207.5	139.7	205.5	111.1	202.5	80.6	-	-	-	-	-	-
	72	203.8	176.7	202.2	146.4	200.6	114.6	197.9	84.8	-	-	-	-	189.1	167.8	187.5	139.6	185.5	109.8	182.2	78.0	-	-	-	-
	67	191.5	195.3	184.0	174.5	182.1	144.9	180.7	114.3	178.0	83.5	-	-	179.9	183.5	170.1	166.6	168.6	137.6	166.4	107.0	163.6	76.8	-	-
	62	191.1	194.9	178.8	182.4	166.6	170.0	163.9	142.1	162.3	112.6	159.8	81.5	179.7	183.3	167.6	170.9	155.6	158.7	150.2	133.3	148.4	104.5	146.1	76.0
	57	191.1	194.9	178.7	182.3	166.5	169.8	154.7	157.8	146.9	139.3	145.3	109.7	179.6	183.2	167.5	170.8	155.5	158.6	143.7	146.6	133.4	130.7	132.2	102.5
7000	77	226.8	157.3	224.7	123.8	221.6	88.1	-	-	-	-	-	-	210.4	150.2	208.4	116.9	204.5	81.4	-	-	-	-	-	-
	72	207.5	190.5	205.6	155.2	203.7	122.6	200.4	87.9	-	-	-	-	192.0	182.1	190.4	149.5	188.0	115.1	184.4	80.9	-	-	-	-
	67	199.9	203.9	187.7	187.7	186.0	153.7	184.1	120.1	180.8	86.7	-	-	187.5	191.3	174.6	178.1	171.2	146.7	169.2	113.9	165.7	79.5	-	-
	62	199.8	203.8	186.5	190.2	173.6	177.1	167.0	151.6	165.0	117.8	157.3	82.3	187.4	191.2	174.5	178.0	161.8	165.1	153.1	143.6	151.0	114.0	147.5	78.2
	57	199.6	203.6	186.4	190.1	173.5	176.9	160.8	164.0	149.5	149.4	147.5	115.9	187.3	191.0	174.4	177.9	161.7	164.9	149.1	152.1	136.8	139.5	133.8	107.8
7875	77	230.0	166.5	227.8	130.1	224.2	91.5	-	-	-	-	-	-	213.0	160.8	211.0	122.7	206.6	84.3	-	-	-	-	-	-
	72	210.4	203.9	208.6	166.0	206.4	128.4	202.9	89.0	-	-	-	-	194.9	196.8	192.4	158.9	190.3	120.3	185.7	83.4	-	-	-	-
	67	207.1	211.3	193.2	197.1	188.4	163.3	186.2	127.2	182.6	89.4	-	-	193.9	197.8	180.4	184.0	173.4	155.6	170.4	118.2	166.7	81.6	-	-
	62	206.9	211.0	193.1	196.9	179.3	182.9	169.3	162.3	168.3	121.5	162.7	86.3	193.8	197.7	180.3	183.9	166.9	170.2	154.8	153.2	152.4	116.5	147.8	79.9
	57	206.8	211.0	192.9	196.8	179.1	182.7	165.9	169.2	153.0	156.0	148.2	120.9	193.6	197.5	180.1	183.7	166.8	170.1	153.5	156.6	140.6	143.4	133.7	111.8
8750	77	232.1	177.5	229.7	135.9	225.4	92.0	-	-	-	-	-	-	214.3	170.5	212.2	127.7	207.6	86.8	-	-	-	-	-	-
	72	213.4	217.6	210.5	176.1	208.3	133.8	204.1	91.6	-	-	-	-	199.6	203.6	194.2	168.4	191.5	127.0	187.3	85.9	-	-	-	-
	67	213.2	217.5	198.6	202.6	190.5	172.9	188.0	132.3	183.8	90.0	-	-	199.4	203.4	185.1	188.9	174.6	165.6	172.0	124.6	167.4	83.7	-	-
	62	213.0	217.3	198.5	202.4	184.3	188.0	171.2	171.1	169.0	129.3	165.1	89.3	199.3	203.3	185.0	188.7	171.2	174.6	157.4	160.5	153.4	122.0	148.5	81.8
	57	212.9	217.1	198.4	202.4	184.1	187.8	170.1	173.5	156.7	159.9	150.4	127.3	199.2	203.2	184.9	188.6	171.1	174.5	157.3	160.4	143.8	146.7	136.1	119.4

KE20 cooling capacity performance

Table 19: KE20 cooling performance, 75°F to 85°F

Air on evap. coil		Temperature of air on condenser coil																							
		Return dry bulb temperature (°F)												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
		75°F												85.0°F											
5000	77	304.9	159.7	304.3	135.8	302.2	108.5	-	-	-	-	-	-	293.8	153.9	292.5	130.5	292.2	104.9	-	-	-	-	-	-
	72	281.0	185.3	279.3	159.8	277.6	134.6	276.8	110.1	-	-	-	-	269.8	180.5	268.6	153.7	267.2	129.6	265.8	105.7	-	-	-	-
	67	257.0	209.4	256.3	183.9	254.5	158.0	253.4	135.2	251.8	109.9	-	-	247.2	203.8	245.9	178.9	244.6	154.2	242.9	129.6	241.5	105.4	-	-
	62	236.9	229.8	234.5	209.3	233.0	183.0	231.1	156.9	230.9	134.4	228.6	108.7	229.4	222.5	224.7	202.7	223.5	177.7	223.0	153.6	221.1	128.7	219.1	104.2
	57	236.8	230.3	225.1	218.4	213.0	206.6	211.3	182.4	210.4	157.2	208.8	131.6	229.1	222.3	216.9	210.4	204.8	198.7	202.4	176.7	201.1	152.1	199.7	127.8
6000	77	318.7	173.1	316.5	144.3	315.2	113.1	-	-	-	-	-	-	306.0	169.2	305.5	139.3	302.9	108.7	-	-	-	-	-	-
	72	292.8	201.7	291.8	172.7	290.3	143.6	288.7	114.8	-	-	-	-	282.7	197.4	280.2	168.5	278.6	140.5	276.8	110.1	-	-	-	-
	67	269.1	232.3	268.0	202.8	266.7	173.4	264.1	143.5	262.7	114.7	-	-	258.2	225.4	256.8	196.8	255.4	168.4	254.7	138.4	252.0	110.0	-	-
	62	255.9	248.2	245.0	232.9	244.4	201.5	242.9	172.0	241.2	142.7	239.4	113.8	247.3	239.8	234.7	225.4	233.7	197.2	232.1	166.6	230.5	138.6	228.5	108.6
	57	255.3	247.6	241.8	234.6	228.5	221.6	221.9	200.2	220.5	171.1	219.0	142.3	247.1	239.7	233.4	226.4	220.1	213.5	211.9	195.3	210.6	165.5	208.9	135.8
7000	77	328.7	188.1	326.2	151.9	324.5	119.6	-	-	-	-	-	-	315.3	180.4	314.6	146.5	311.5	114.8	-	-	-	-	-	-
	72	302.3	219.9	301.1	186.9	299.6	154.0	297.8	118.4	-	-	-	-	291.6	215.0	288.9	182.1	287.1	147.6	284.8	113.3	-	-	-	-
	67	278.8	254.2	277.4	220.6	275.9	187.3	272.8	150.9	271.0	118.3	-	-	266.4	248.1	265.1	216.0	263.7	181.6	262.8	147.9	259.6	113.3	-	-
	62	271.6	263.4	256.8	249.1	252.6	220.5	251.0	185.1	249.4	152.4	247.2	117.5	262.1	254.2	247.4	240.0	241.3	213.0	239.6	178.9	237.8	145.3	235.6	112.0
	57	270.9	262.8	256.2	248.5	241.8	234.5	229.6	218.3	228.3	183.8	226.4	151.5	261.9	254.1	247.3	239.9	232.9	225.9	219.3	210.6	217.8	177.5	215.8	144.4
8000	77	336.3	199.0	333.8	158.7	331.5	122.2	-	-	-	-	-	-	322.4	193.9	321.7	156.0	318.1	117.3	-	-	-	-	-	-
	72	309.7	237.3	308.4	200.4	307.0	160.8	304.7	121.2	-	-	-	-	298.2	234.3	295.4	194.8	293.5	156.6	290.9	118.5	-	-	-	-
	67	286.5	275.1	284.5	237.3	283.1	200.4	280.0	160.2	277.7	121.2	-	-	274.9	266.6	272.0	232.2	270.2	193.9	269.3	156.8	265.6	118.5	-	-
	62	284.9	276.3	269.1	261.0	259.4	236.5	257.6	197.4	255.6	161.2	253.2	122.8	274.6	266.4	259.2	251.4	247.2	230.2	245.3	192.7	243.6	153.6	241.1	116.9
	57	284.2	275.7	268.4	260.3	253.1	245.5	238.0	230.9	234.0	197.5	232.3	157.8	274.5	266.3	259.0	251.2	243.5	236.2	228.2	221.3	222.7	190.1	220.9	152.1
9000	77	342.7	212.7	339.8	168.1	337.2	124.3	-	-	-	-	-	-	328.3	207.0	327.7	162.1	323.5	119.2	-	-	-	-	-	-
	72	315.4	253.9	314.4	210.4	312.6	169.8	310.1	126.4	-	-	-	-	304.0	250.6	301.0	204.3	298.8	162.3	296.0	120.6	-	-	-	-
	67	297.0	288.1	290.8	253.9	288.6	212.8	285.1	168.7	282.6	126.1	-	-	285.4	276.8	277.4	247.6	275.0	205.4	273.9	162.1	269.8	120.4	-	-
	62	296.2	287.4	279.7	271.3	264.7	254.2	263.1	211.8	261.0	167.1	257.6	124.9	285.4	276.8	268.9	260.9	253.3	243.2	250.3	203.9	248.2	161.3	244.3	118.5
	57	295.6	286.7	279.1	270.7	262.7	254.8	246.8	239.4	238.8	208.5	236.2	165.0	285.2	276.6	268.7	260.6	252.6	245.0	236.5	229.4	227.2	200.6	224.1	158.7
10000	77	347.6	222.6	344.6	173.8	342.0	129.4	-	-	-	-	-	-	332.6	216.2	332.1	170.7	327.4	123.8	-	-	-	-	-	-
	72	320.9	270.8	319.1	222.9	317.3	175.4	314.5	128.1	-	-	-	-	308.7	263.5	305.2	216.1	303.0	170.5	299.5	124.9	-	-	-	-
	67	306.5	297.3	295.2	269.1	293.2	221.8	289.3	174.0	286.6	127.9	-	-	294.7	285.8	280.8	264.2	278.9	216.4	277.8	169.8	273.5	124.7	-	-
	62	306.0	296.9	288.8	280.2	271.6	263.5	267.4	223.0	265.0	174.8	262.0	129.6	294.5	285.7	277.4	269.1	260.5	252.7	254.5	214.8	251.8	168.5	248.8	123.1
	57	305.3	296.1	288.1	279.5	271.1	262.9	254.3	246.7	242.9	219.1	240.6	172.7	294.4	285.6	277.3	269.0	260.2	252.4	243.4	236.1	230.5	212.4	228.2	166.0

Table 20: KE20 cooling performance, 95°F to 105°F

Air on evap. coil		Temperature of air on condenser coil																							
		Return dry bulb temperature (°F)												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
		95°F												105°F											
5000	77	278.5	148.6	277.1	123.7	275.8	99.0	-	-	-	-	-	-	267.9	145.5	266.5	118.9	265.2	95.2	-	-	-	-	-	-
	72	255.1	173.2	253.8	147.7	252.5	122.4	251.1	99.9	-	-	-	-	245.1	168.8	243.7	144.2	242.4	119.9	240.9	95.8	-	-	-	-
	67	233.4	197.0	232.4	171.3	231.0	147.9	229.5	122.4	227.9	99.5	-	-	223.8	191.0	222.7	166.3	221.5	143.9	219.9	119.5	218.4	95.3	-	-
	62	218.3	211.7	211.5	194.9	210.7	169.6	209.3	146.1	208.4	123.3	206.4	98.1	211.2	204.9	202.2	190.2	201.7	166.3	200.4	141.9	199.7	118.1	197.3	93.8
	57	218.1	211.5	206.1	199.9	194.3	188.4	190.3	167.9	189.1	144.9	187.7	120.2	211.0	204.7	199.1	193.1	187.3	181.7	181.9	164.1	180.6	140.1	179.1	116.4
6000	77	289.5	160.1	288.0	131.3	286.2	102.7	-	-	-	-	-	-	278.0	156.4	276.4	128.7	274.6	101.2	-	-	-	-	-	-
	72	265.6	190.7	264.3	161.5	262.7	132.5	260.8	103.7	-	-	-	-	254.8	185.4	253.4	157.3	251.6	129.4	249.8	99.3	-	-	-	-
	67	243.4	217.2	241.9	190.1	240.5	161.0	238.9	132.1	237.1	103.5	-	-	232.8	212.2	231.5	184.1	230.1	156.2	228.3	126.3	226.5	98.9	-	-
	62	235.0	227.9	221.9	215.3	219.7	187.6	218.5	158.9	216.8	130.4	214.8	102.1	226.9	220.1	213.8	207.4	209.8	183.2	208.6	153.8	207.0	126.5	204.9	97.4
	57	234.8	227.7	221.5	214.8	208.5	202.2	198.7	186.9	197.6	157.2	196.0	129.3	226.7	219.9	213.7	207.2	200.8	194.8	189.4	180.1	188.3	151.6	186.7	125.0
7000	77	298.0	173.4	296.0	140.7	293.9	108.3	-	-	-	-	-	-	285.4	168.8	283.6	137.5	281.3	103.7	-	-	-	-	-	-
	72	273.9	207.2	272.1	174.2	270.3	141.6	268.0	106.6	-	-	-	-	262.2	203.4	260.6	169.4	258.7	135.5	256.1	104.3	-	-	-	-
	67	250.8	238.4	249.3	205.5	247.8	173.1	245.9	140.7	243.7	106.4	-	-	240.9	231.3	238.1	201.0	236.5	167.5	234.7	134.3	232.4	101.5	-	-
	62	248.8	241.3	234.5	227.4	226.5	204.3	225.0	172.4	223.3	138.6	221.0	107.2	240.0	232.8	225.9	219.1	215.8	198.9	214.4	166.4	212.6	134.1	210.4	102.0
	57	248.5	241.1	234.3	227.3	220.2	213.6	206.4	200.2	203.9	170.1	202.0	137.2	239.8	232.6	225.7	218.9	211.7	205.4	197.9	192.0	193.8	163.6	192.1	132.3
8000	77	304.0	185.8	302.1	149.5	299.6	110.4	-	-	-	-	-	-	290.8	180.5	289.0	143.0	286.2	105.5	-	-	-	-	-	-
	72	279.4	222.3	278.0	186.1	276.0	147.3	273.4	111.4	-	-	-	-	267.3	217.8	265.7	180.4	263.7	143.2	260.9	106.3	-	-	-	-
	67	260.5	252.7	255.7	220.8	253.6	184.5	251.5	146.4	249.0	111.1	-	-	251.1	243.6	243.8	217.5	241.9	180.7	239.8	141.9	237.2	105.8	-	-
	62	260.3	252.5	245.3	237.9	232.0	220.5	230.2	183.1	228.3	146.2	225.8	109.5	251.0	243.4	235.8	228.7	221.5	212.7	218.8	178.3	217.0	141.0	214.5	104.0
	57	260.1	252.3	245.0	237.6	230.0	223.1	215.2	208.8	208.5	182.0	206.5	144.2	250.7	243.2	235.6	228.5	220.8	214.2	206.2	200.1	198.0	174.8	196.0	138.8
9000	77	309.1	197.9	307.2	154.9	304.1	115.0	-	-	-	-	-	-	295.5	192.1	293.7	151.0	290.3	109.8	-	-	-	-	-	-
	72	284.7	237.5	283.0	197.6	280.8	155.3	277.8	113.2	-	-	-	-	272.0	232.2	269.9	191.1	267.9	150.7	264.8	110.5	-	-	-	-
	67	270.4	262.3	260.1	237.1	257.9	195.1	255.5	153.6	252.8	112.8	-	-	260.5	252.7	247.4	232.8	245.5	190.5	243.3	148.7	240.3	109.5	-	-
	62	270.2	262.1	254.3	246.7	238.4	231.3	234.4	195.5	232.2	153.2	228.3	112.9	260.3	252.5	244.2	236.9	228.7	221.8	222.8	188.0	220.4	147.5	216.3	107.0
	57	270.1	262.0	254.0	246.4	238.3	231.2	222.9	216.2	212.1	191.4	209.0	150.0	260.2	252.4	244.1	236.8	228.5	221.6	213.2	206.8	200.7	186.9	197.7	143.8
10000	77	312.9	209.5	310.7	162.7	307.4	116.3	-	-	-	-	-	-	298.8	202.9	296.3	158.1	293.0	110.9	-	-	-	-	-	-
	72	288.7	252.0	286.5	208.5	284.3	162.7	280.9	117.1	-	-	-	-	275.2	248.3	272.9	203.8	270.6	157.5	267.3	111.5	-	-	-	-
	67	278.9	270.5	263.6	250.5	260.9	207.5	258.8	160.6	255.7	116.6	-	-	268.3	260.3	252.1	242.1	248.3	199.9	246.0	155.1	242.7	110.6	-	-
	62	278.8	270.4	262.0	254.2	245.5	238.2	237.9	205.4	235.4	159.8	232.1	114.8	268.3	260.2	251.5	243.9	235.1	228.1	225.6	199.2	223.2	153.7	219.9	108.8
	57	278.6	270.3	261.9	254.0	245.3	237.9	229.1	222.2	215.0	202.3	212.6	156.8	268.0	260.0	251.4	243.8	235.0	227.9	218.9	212.3	203.9	195.8	201.0	152.1

Table 21: KE20 cooling performance, 115°F to 125°F

Air on evap. coil		Temperature of air on condenser coil																							
		Return dry bulb temperature (°F)												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											
5000	77	253.6	137.8	252.2	115.0	250.7	90.0	-	-	-	-	-	-	238.4	131.8	236.9	108.0	235.5	84.5	-	-	-	-	-	-
	72	231.8	161.9	230.5	138.6	229.1	113.3	227.6	90.5	-	-	-	-	217.6	156.2	216.4	132.2	215.0	108.4	213.5	84.9	-	-	-	-
	67	211.3	184.4	210.1	161.0	208.9	137.8	207.4	112.7	205.8	89.9	-	-	197.9	178.5	197.0	154.8	195.8	131.1	194.3	107.4	192.6	84.1	-	-
	62	201.3	195.3	190.7	183.1	189.9	158.4	188.7	135.4	188.0	113.1	185.7	88.3	191.0	185.2	179.4	174.0	177.4	153.2	176.3	128.3	175.8	105.7	173.2	82.3
	57	201.1	195.1	189.4	183.7	177.9	172.6	170.7	157.3	169.6	133.3	168.2	109.3	190.8	185.1	179.3	173.9	168.0	163.0	158.9	149.5	158.1	127.3	156.7	103.4
6000	77	262.4	150.2	260.8	124.0	258.9	95.4	-	-	-	-	-	-	246.0	145.5	244.4	116.2	242.5	89.4	-	-	-	-	-	-
	72	240.4	179.6	239.2	150.8	237.4	122.0	235.3	93.6	-	-	-	-	225.1	172.5	223.8	143.3	222.1	116.3	220.2	87.6	-	-	-	-
	67	219.0	206.0	217.8	177.5	216.5	149.1	214.9	120.9	213.0	93.0	-	-	205.6	197.4	203.7	169.9	202.5	143.4	200.9	115.0	198.7	86.7	-	-
	62	216.1	209.6	203.1	197.1	197.1	175.9	195.9	148.2	194.3	120.6	192.2	91.3	204.6	198.5	191.9	186.2	183.5	169.1	182.5	141.6	180.9	114.1	178.9	86.8
	57	215.9	209.4	203.0	196.9	190.3	184.6	178.1	172.8	176.4	145.4	174.9	118.7	204.4	198.3	191.8	186.1	179.3	173.9	167.1	162.1	163.7	138.2	162.4	111.8
7000	77	269.0	164.4	267.1	129.6	264.8	97.6	-	-	-	-	-	-	251.7	156.3	250.0	123.7	247.6	91.3	-	-	-	-	-	-
	72	246.6	196.1	245.2	161.8	243.4	129.9	240.9	98.2	-	-	-	-	230.5	187.8	229.1	155.5	227.3	123.5	224.9	91.6	-	-	-	-
	67	228.4	221.6	224.1	193.5	222.3	161.7	220.5	128.3	218.1	97.3	-	-	215.7	209.2	208.6	186.2	207.5	155.0	205.6	121.7	203.1	90.6	-	-
	62	228.3	221.4	214.1	207.7	202.3	192.3	200.8	159.7	199.0	127.4	196.8	95.4	215.4	209.0	202.1	196.0	189.1	181.6	186.9	152.3	185.1	120.3	182.8	88.7
	57	228.1	221.2	214.0	207.5	200.3	194.3	186.9	181.3	181.1	156.3	179.4	125.3	215.3	208.9	201.9	195.9	188.5	182.9	175.4	170.1	167.7	149.6	166.2	117.7
8000	77	273.7	175.2	271.9	137.2	269.1	101.8	-	-	-	-	-	-	255.8	168.7	254.0	130.6	251.2	95.0	-	-	-	-	-	-
	72	251.4	209.7	249.5	174.3	247.7	136.9	245.0	99.8	-	-	-	-	234.5	202.5	232.9	167.2	230.8	129.9	228.0	95.1	-	-	-	-
	67	238.5	231.3	228.5	210.6	227.0	171.7	225.0	135.3	222.1	99.1	-	-	225.0	218.2	212.6	202.1	211.0	165.8	209.4	130.0	206.5	94.1	-	-
	62	238.1	230.9	223.5	216.8	208.9	202.7	204.7	170.8	202.9	133.8	200.4	99.1	224.9	218.1	210.5	204.1	196.4	190.5	190.4	162.6	188.2	127.8	185.7	91.8
	57	238.1	231.0	223.3	216.6	208.8	202.5	194.5	188.6	184.4	168.2	182.6	131.1	224.6	217.9	210.3	204.0	196.2	190.3	182.2	176.8	170.4	160.3	168.9	124.5
9000	77	277.8	185.9	275.8	144.4	272.6	103.1	-	-	-	-	-	-	259.0	178.4	257.2	137.2	254.0	98.5	-	-	-	-	-	-
	72	255.2	225.2	253.2	184.2	251.2	143.7	248.0	103.4	-	-	-	-	237.1	218.5	235.6	178.2	233.5	135.9	230.7	96.2	-	-	-	-
	67	246.9	239.5	232.5	223.3	229.9	182.9	227.8	141.4	224.7	102.4	-	-	232.5	225.5	217.6	211.1	213.9	174.3	211.5	135.4	208.5	95.0	-	-
	62	246.8	239.4	231.3	224.3	215.8	209.3	208.0	181.6	205.9	139.8	201.5	99.7	232.4	225.4	217.4	210.9	202.5	196.5	192.7	173.8	190.8	133.2	186.1	93.9
	57	246.6	239.2	231.0	224.1	215.7	209.2	200.7	194.7	187.1	177.9	183.9	137.3	232.2	225.3	217.2	210.7	202.4	196.3	187.7	182.1	173.8	166.9	169.1	129.6
10000	77	280.3	195.8	278.2	151.1	274.8	106.6	-	-	-	-	-	-	260.9	189.8	259.1	143.3	255.7	99.2	-	-	-	-	-	-
	72	257.4	239.7	255.5	195.8	253.5	150.0	250.0	104.3	-	-	-	-	240.4	228.5	237.6	186.7	235.7	141.7	232.0	99.0	-	-	-	-
	67	253.9	246.3	237.8	230.6	232.5	191.7	230.0	149.4	226.5	105.5	-	-	239.0	231.8	223.1	216.4	215.5	183.9	213.3	140.7	209.8	97.7	-	-
	62	253.8	246.2	237.7	230.6	221.6	215.0	210.1	191.6	208.0	147.3	204.7	103.2	238.8	231.6	223.1	216.4	207.4	201.2	194.3	182.8	192.2	139.8	187.6	96.4
	57	253.6	246.0	237.5	230.4	221.5	214.8	205.7	199.5	190.5	184.8	186.6	144.8	238.6	231.5	222.9	216.2	207.4	201.2	192.3	186.5	177.2	171.9	171.9	136.7

KE23 cooling capacity performance

Table 22: KE23 cooling performance, 75°F to 85°F

Air on evap. coil		Temperature of air on condenser coil																							
		Return dry bulb temperature (°F)												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
		75°F												85.0°F											
5750	77	351.8	180.6	351.2	153.5	349.3	122.8	-	-	-	-	-	-	339.8	174.4	338.7	148.1	338.2	118.9	-	-	-	-	-	-
	72	324.7	209.9	323.5	181.4	321.7	152.9	321.1	125.1	-	-	-	-	312.5	205.0	311.5	174.7	310.2	147.4	308.8	120.4	-	-	-	-
	67	298.1	238.0	297.5	209.3	295.9	180.0	294.8	154.1	293.3	125.4	-	-	287.2	232.0	286.0	203.9	284.6	175.9	283.0	148.0	281.7	120.5	-	-
	62	275.1	261.5	272.7	235.9	271.3	208.9	269.4	179.2	269.3	153.6	267.0	124.3	266.7	253.5	262.0	231.6	260.9	203.3	260.5	175.8	258.6	147.5	256.5	119.5
	57	272.5	261.8	261.4	248.5	248.1	233.5	246.7	206.3	245.7	179.8	244.1	150.8	266.4	253.2	252.6	240.1	238.9	227.1	236.8	200.3	235.3	172.2	234.0	146.8
6900	77	367.1	195.4	364.8	163.0	363.3	127.7	-	-	-	-	-	-	353.0	191.2	352.7	157.6	350.3	123.2	-	-	-	-	-	-
	72	337.9	228.0	337.0	195.4	335.8	162.8	334.4	130.3	-	-	-	-	326.8	223.7	324.6	191.3	322.8	156.5	321.3	125.2	-	-	-	-
	67	311.7	263.7	310.8	230.4	309.5	197.1	307.0	163.4	305.6	130.7	-	-	299.3	256.0	298.1	223.8	296.7	191.8	296.1	157.6	293.4	125.5	-	-
	62	296.3	281.7	284.9	262.7	284.0	229.5	282.6	196.1	281.0	162.9	279.4	130.1	286.7	272.5	273.4	254.7	272.2	222.5	270.8	190.5	269.2	158.6	267.3	124.5
	57	295.7	281.1	280.6	266.7	265.5	252.4	258.7	228.6	257.2	195.6	255.7	162.8	286.5	272.3	271.4	257.9	256.3	243.7	247.7	221.3	246.5	189.8	244.5	155.7
8050	77	378.0	212.0	375.6	171.3	374.0	135.1	-	-	-	-	-	-	363.2	203.7	363.0	165.6	360.0	130.0	-	-	-	-	-	-
	72	348.0	248.1	347.1	211.1	345.9	174.3	344.2	134.1	-	-	-	-	336.6	243.1	333.9	206.3	332.3	167.4	330.1	128.6	-	-	-	-
	67	322.4	288.1	321.0	250.2	319.5	212.6	316.7	171.6	314.7	134.6	-	-	308.9	281.8	307.4	242.5	305.8	206.4	305.0	168.1	301.8	129.1	-	-
	62	313.6	298.0	297.4	282.6	293.3	248.1	291.9	210.9	290.1	173.7	288.3	134.3	303.1	288.1	286.9	272.7	280.8	242.9	279.1	204.2	277.5	166.2	275.4	128.2
	57	312.9	297.4	296.9	282.2	280.7	266.8	267.0	248.7	265.9	209.8	264.0	170.7	303.0	288.0	286.7	272.5	270.8	257.4	255.9	240.8	254.5	203.2	252.4	165.5
9200	77	386.3	224.0	383.8	178.7	382.0	138.0	-	-	-	-	-	-	370.8	218.5	370.4	176.0	367.0	132.5	-	-	-	-	-	-
	72	356.6	267.8	355.2	226.2	354.0	181.7	352.0	137.2	-	-	-	-	344.2	261.7	341.4	217.4	339.6	177.5	337.1	134.6	-	-	-	-
	67	330.4	310.9	328.7	268.7	327.4	227.2	324.2	181.8	321.8	137.6	-	-	317.5	301.8	314.8	260.4	313.2	220.3	312.1	178.0	308.5	134.9	-	-
	62	328.2	311.9	311.1	295.7	301.1	269.1	299.2	224.7	297.4	180.9	294.9	140.2	317.0	301.3	299.8	285.0	287.7	259.8	285.9	217.4	283.9	175.4	281.2	133.6
	57	327.5	311.3	310.6	295.2	293.5	278.9	276.3	262.6	272.5	222.8	270.9	180.2	316.8	301.1	299.7	284.9	282.6	268.6	265.6	252.4	260.0	217.5	258.2	174.3
10350	77	393.2	239.2	390.3	189.2	388.3	140.2	-	-	-	-	-	-	376.8	232.8	376.8	182.7	373.1	134.8	-	-	-	-	-	-
	72	363.0	286.4	361.8	237.3	360.5	188.4	358.1	142.9	-	-	-	-	350.1	279.5	347.4	231.1	345.5	183.9	342.5	136.7	-	-	-	-
	67	341.4	324.5	335.5	287.0	333.3	237.6	330.0	191.4	327.6	143.2	-	-	329.0	312.7	320.6	280.4	318.6	230.1	317.4	184.0	313.6	137.1	-	-
	62	340.8	323.9	322.7	306.7	307.2	286.2	305.4	238.0	303.2	190.2	299.8	142.5	328.8	312.5	310.7	295.3	293.8	276.5	291.2	232.5	289.1	184.1	285.4	135.6
	57	340.0	323.2	321.9	306.0	304.2	289.2	286.3	272.1	278.0	237.8	275.3	188.4	328.7	312.5	310.5	295.2	292.6	278.1	274.8	261.2	265.3	229.5	262.1	181.9
11500	77	398.0	249.7	395.7	195.6	393.6	145.9	-	-	-	-	-	-	381.6	243.0	381.5	192.2	377.4	139.9	-	-	-	-	-	-
	72	368.6	304.8	367.3	251.4	365.6	198.1	362.8	144.8	-	-	-	-	355.5	297.3	352.3	244.4	350.1	193.0	346.9	141.8	-	-	-	-
	67	352.4	334.9	340.6	304.3	338.6	251.0	334.9	197.4	332.2	145.3	-	-	339.3	322.5	325.1	296.7	322.8	245.5	322.0	192.8	317.8	139.0	-	-
	62	351.7	334.3	332.6	316.1	314.1	298.5	310.0	250.5	307.8	199.0	304.9	147.8	339.3	322.5	320.5	304.6	301.4	286.5	295.7	244.5	293.3	192.3	289.9	140.5
	57	351.1	333.7	332.0	315.5	313.4	297.9	294.8	280.2	282.9	250.1	280.4	197.2	339.1	322.3	320.3	304.4	301.5	286.6	282.8	268.8	269.2	243.1	266.7	190.2

Table 23: KE23 cooling performance, 95°F to 105°F

Air on evap. coil		Temperature of air on condenser coil																							
		Return dry bulb temperature (°F)												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
		95°F												105°F											
5750	77	321.4	168.0	320.1	139.9	318.9	112.2	-	-	-	-	-	-	310.5	165.3	309.2	135.2	307.9	108.3	-	-	-	-	-	-
	72	295.3	193.7	294.2	167.8	292.8	139.2	291.4	113.6	-	-	-	-	285.0	192.3	283.8	164.5	282.3	136.9	280.9	109.5	-	-	-	-
	67	270.6	221.2	269.5	194.7	268.4	168.4	267.0	139.6	265.5	113.6	-	-	260.7	218.1	259.7	190.1	258.6	162.3	257.2	136.9	255.6	109.3	-	-
	62	253.2	240.7	246.4	220.1	245.6	193.7	244.3	167.2	243.5	138.9	241.4	112.4	246.1	233.9	236.8	216.0	236.3	188.7	235.1	163.1	234.3	135.9	232.0	108.0
	57	253.0	240.5	239.7	227.8	226.4	215.2	222.6	192.6	221.5	164.2	220.0	138.0	245.9	233.8	232.6	221.1	219.4	208.5	214.0	187.1	212.7	159.7	211.0	132.4
6900	77	333.2	183.7	331.8	151.4	330.2	119.3	-	-	-	-	-	-	321.4	177.2	319.9	145.9	318.0	114.9	-	-	-	-	-	-
	72	307.1	216.0	305.9	183.2	304.3	150.4	302.5	117.9	-	-	-	-	295.8	210.9	294.4	179.1	292.8	144.7	291.0	113.4	-	-	-	-
	67	282.1	246.6	280.5	213.3	279.0	183.0	277.7	150.4	275.9	118.0	-	-	271.0	242.2	269.8	210.3	268.6	178.7	267.0	144.6	265.0	113.3	-	-
	62	271.9	258.5	257.7	242.5	255.6	213.8	254.4	181.4	252.9	149.0	250.9	116.9	264.0	250.9	249.3	236.9	245.3	209.9	244.1	176.3	242.6	145.2	240.6	112.0
	57	271.7	258.2	257.0	244.3	242.5	230.5	232.3	212.0	231.2	180.2	229.7	148.4	263.9	250.8	249.1	236.7	234.6	223.0	222.4	207.2	221.5	174.7	219.8	142.1
8050	77	342.4	195.3	340.8	158.7	338.9	122.4	-	-	-	-	-	-	329.5	191.1	328.0	155.9	325.8	117.7	-	-	-	-	-	-
	72	315.7	234.0	314.2	197.1	312.6	157.5	310.5	121.0	-	-	-	-	303.4	230.7	302.1	192.4	300.3	154.1	298.0	119.0	-	-	-	-
	67	290.3	270.4	288.8	233.4	287.3	196.6	285.6	157.4	283.4	121.2	-	-	279.6	263.1	277.3	229.3	275.8	191.4	274.0	153.7	271.9	116.3	-	-
	62	287.4	273.2	271.4	258.0	263.3	230.3	261.8	194.1	260.1	158.2	257.8	122.5	278.5	264.7	262.8	249.8	252.2	227.7	250.8	190.7	249.0	153.8	246.8	117.3
	57	287.0	272.8	268.6	258.2	255.5	242.9	240.4	228.5	238.1	192.4	236.2	157.2	278.4	264.6	262.6	249.6	246.9	234.7	231.4	220.0	227.4	188.0	225.7	152.3
9200	77	349.0	209.0	347.4	168.4	345.2	124.7	-	-	-	-	-	-	335.3	204.0	333.9	161.9	331.4	119.7	-	-	-	-	-	-
	72	322.0	251.0	320.8	210.4	318.9	166.7	316.5	126.4	-	-	-	-	309.2	246.8	307.8	204.8	306.1	162.9	303.5	121.2	-	-	-	-
	67	300.4	285.6	295.9	250.4	293.8	209.4	291.7	166.4	289.2	126.5	-	-	290.6	276.2	283.4	245.1	281.7	203.5	279.6	162.1	276.9	121.1	-	-
	62	300.3	285.5	283.4	269.3	269.2	250.8	267.6	208.6	265.7	166.7	263.1	125.0	290.6	276.2	273.8	260.2	258.4	243.1	255.8	201.8	253.9	161.7	251.2	119.4
	57	300.2	285.3	283.2	269.2	266.4	253.3	250.1	237.8	243.1	205.6	241.2	165.1	290.5	276.1	273.6	260.1	257.1	244.4	240.7	228.8	232.1	200.7	229.9	159.5
10350	77	354.6	222.5	352.9	174.4	350.2	129.8	-	-	-	-	-	-	340.9	217.1	338.8	170.7	336.2	124.6	-	-	-	-	-	-
	72	327.6	267.8	326.2	223.2	324.1	175.6	321.4	128.3	-	-	-	-	314.4	263.0	312.6	216.9	310.6	171.2	307.7	125.8	-	-	-	-
	67	311.3	295.9	300.8	265.9	298.4	221.2	296.0	174.4	293.5	128.3	-	-	301.0	286.1	287.2	264.8	285.3	217.0	283.5	169.8	280.5	122.6	-	-
	62	311.1	295.7	293.5	279.0	275.9	262.2	272.3	220.0	270.2	174.6	266.2	126.5	300.8	285.9	283.3	269.3	265.8	252.7	260.2	215.1	258.0	169.2	253.7	123.0
	57	311.0	295.6	293.4	278.9	275.7	262.1	258.6	245.8	247.4	218.7	244.2	171.8	300.7	285.8	283.2	269.2	265.8	252.7	248.5	236.2	235.4	212.6	232.2	165.5
11500	77	359.0	235.4	356.9	183.2	354.3	131.3	-	-	-	-	-	-	344.3	229.1	342.3	179.0	339.5	125.9	-	-	-	-	-	-
	72	331.9	283.9	330.0	235.2	328.0	184.0	325.0	132.8	-	-	-	-	318.1	281.2	316.0	228.3	314.0	179.1	310.9	127.1	-	-	-	-
	67	320.7	304.8	304.4	283.6	302.0	232.5	300.1	182.5	297.0	132.7	-	-	309.9	294.5	292.1	274.9	288.8	227.9	286.8	177.2	283.5	126.6	-	-
	62	320.5	304.7	302.3	287.4	283.9	269.8	276.5	231.3	273.7	182.1	270.5	131.1	309.7	294.4	291.3	276.9	273.2	259.7	263.5	225.4	261.1	176.2	257.6	124.9
	57	320.4	304.6	302.2	287.3	283.7	269.6	265.6	252.5	250.5	231.0	248.4	179.4	309.6	294.3	291.3	276.8	273.1	259.6	255.2	242.6	238.6	224.5	236.2	172.9

Table 24: KE23 cooling performance, 115°F to 125°F

Air on evap. coil		Temperature of air on condenser coil																							
		Return dry bulb temperature (°F)												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											
5750	77	294.2	156.6	292.9	130.8	291.5	102.5	-	-	-	-	-	-	276.8	152.6	275.7	125.8	274.5	96.5	-	-	-	-	-	-
	72	269.7	184.6	268.5	158.2	267.2	129.5	265.8	103.6	-	-	-	-	253.6	178.3	252.5	151.2	251.2	124.1	249.8	97.3	-	-	-	-
	67	246.5	210.9	245.6	184.4	244.4	158.0	243.0	129.4	241.5	103.3	-	-	231.5	204.6	230.5	177.5	229.5	150.5	228.1	123.6	226.6	96.9	-	-
	62	235.0	223.4	223.6	208.3	222.9	182.2	221.8	156.0	221.1	128.2	218.6	101.8	223.2	212.1	210.4	200.0	208.8	174.7	207.8	148.1	207.2	122.1	204.8	95.4
	57	234.8	223.2	221.6	210.7	208.7	198.3	201.2	179.8	200.2	154.1	198.7	126.5	223.1	212.0	210.3	199.9	197.7	187.9	187.8	173.1	187.2	145.9	185.7	120.1
6900	77	303.8	173.3	302.3	140.8	300.5	108.5	-	-	-	-	-	-	285.3	165.4	283.9	132.2	282.4	102.0	-	-	-	-	-	-
	72	279.3	204.4	278.0	171.8	276.6	139.3	274.8	107.1	-	-	-	-	261.9	196.7	261.2	163.8	259.4	133.1	257.6	100.4	-	-	-	-
	67	255.0	235.1	254.2	203.0	253.2	170.8	251.6	138.7	249.7	106.8	-	-	239.6	225.5	238.0	194.5	237.0	164.5	235.7	132.2	233.6	99.9	-	-
	62	251.6	239.1	237.1	225.4	231.2	202.1	229.7	170.3	228.1	138.8	226.1	105.3	238.5	226.7	224.4	213.3	215.8	192.8	214.7	161.2	213.2	129.7	211.3	100.4
	57	251.3	238.9	237.0	225.3	222.7	211.7	209.3	197.0	207.8	167.9	206.2	135.2	238.3	226.5	224.2	213.1	210.4	200.0	196.7	187.0	193.8	160.2	192.3	127.9
8050	77	310.9	186.2	309.5	147.1	307.4	111.0	-	-	-	-	-	-	291.5	177.3	290.2	140.7	288.1	104.1	-	-	-	-	-	-
	72	285.8	222.8	284.6	183.9	283.1	148.0	280.8	112.1	-	-	-	-	267.6	213.7	266.4	177.2	264.9	141.0	252.0	100.6	-	-	-	-
	67	265.0	251.9	261.2	221.0	259.4	184.9	257.9	147.1	255.5	111.7	-	-	250.8	238.4	244.0	213.4	242.7	175.3	241.0	139.8	238.7	104.3	-	-
	62	264.9	251.8	249.5	237.1	236.8	218.3	235.5	181.3	233.7	146.6	231.5	110.0	250.7	238.3	235.7	224.1	221.7	208.6	219.5	175.2	218.0	138.8	215.7	102.5
	57	264.8	251.7	249.3	237.0	234.0	222.5	219.0	208.2	212.9	180.1	211.3	144.6	250.6	238.2	235.6	223.9	220.7	209.8	206.2	195.9	198.1	171.4	196.5	136.3
9200	77	316.2	198.4	314.6	155.5	312.2	115.7	-	-	-	-	-	-	296.0	191.3	294.6	148.4	292.2	108.3	-	-	-	-	-	-
	72	291.1	237.9	289.7	198.2	287.9	156.0	285.3	113.9	-	-	-	-	272.2	230.2	270.9	190.5	269.1	148.4	266.5	108.9	-	-	-	-
	67	276.3	262.6	266.0	237.7	264.5	196.1	262.6	154.8	259.7	113.6	-	-	261.0	248.1	247.8	228.5	246.7	187.6	244.9	146.6	242.3	108.2	-	-
	62	276.1	262.4	259.7	246.8	243.6	231.5	239.7	193.6	237.8	153.7	235.3	114.1	260.9	247.9	245.0	232.8	229.3	218.0	223.2	184.6	221.4	145.2	218.8	106.0
	57	276.0	262.3	259.6	246.7	243.5	231.4	227.4	216.1	216.8	191.7	214.9	151.1	260.7	247.8	244.9	232.7	229.1	217.7	213.7	203.1	201.0	183.4	199.5	144.1
10350	77	320.5	210.2	318.9	163.7	316.1	117.2	-	-	-	-	-	-	299.4	202.0	298.1	155.9	295.5	112.3	-	-	-	-	-	-
	72	295.2	255.4	293.6	209.3	291.8	163.6	289.0	118.1	-	-	-	-	275.4	246.1	274.1	200.6	272.4	155.3	269.6	110.2	-	-	-	-
	67	285.6	271.5	270.0	251.5	267.5	208.5	265.8	161.7	262.9	117.4	-	-	269.4	256.0	252.8	240.3	249.3	199.1	247.5	155.3	244.7	109.3	-	-
	62	285.4	271.3	268.3	255.1	251.3	238.8	243.7	206.2	241.4	160.6	237.0	114.9	269.2	255.9	252.7	240.2	236.3	224.6	226.3	197.9	224.3	153.5	219.7	108.6
	57	285.3	271.2	268.1	254.8	251.1	238.7	234.4	222.8	219.8	202.6	216.4	158.3	269.1	255.8	252.6	240.1	236.1	224.4	219.9	209.0	204.5	192.4	200.0	148.3
11500	77	323.6	221.5	321.8	171.3	319.0	121.3	-	-	-	-	-	-	301.8	212.3	300.6	162.9	297.8	113.2	-	-	-	-	-	-
	72	297.7	271.7	296.3	222.5	294.7	170.9	291.4	119.1	-	-	-	-	278.3	259.2	276.4	212.8	274.7	161.9	271.8	113.7	-	-	-	-
	67	293.5	278.9	275.7	262.0	270.8	218.8	268.6	168.5	265.3	118.5	-	-	276.6	262.9	259.3	246.4	251.8	210.6	249.8	161.4	246.7	112.5	-	-
	62	293.4	278.8	275.6	261.9	258.0	245.2	245.8	217.3	243.9	166.9	240.4	118.8	276.5	262.8	259.2	246.3	242.1	230.1	227.9	210.1	226.1	159.1	222.8	110.1
	57	293.2	278.7	275.5	261.8	257.9	245.1	240.4	228.5	223.5	212.4	219.8	165.0	276.3	262.6	259.0	246.2	242.0	230.0	225.1	213.9	208.4	198.1	203.3	156.5

KE13 hot gas reheat capacity performance

Table 25: KE13 hot gas reheat capacity performance (85°F to 75°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
		85 (°F)												75 (°F)											
3125	77	74.6	1.6	72.7	1.2	68.8	1.3	-	-	-	-	-	-	78.5	1.2	76.9	1.8	73.0	1.0	-	-	-	-	-	-
	72	69.0	6.3	68.6	5.2	66.9	5.7	62.9	1.1	-	-	-	-	72.5	8.0	72.4	6.7	70.8	6.4	67.5	1.2	-	-	-	-
	67	62.4	30.8	62.5	14.6	62.7	11.6	61.4	1.2	57.9	1.1	-	-	67.1	33.4	66.9	16.8	66.2	12.7	64.9	2.0	61.8	1.0	-	-
	62	59.7	52.3	57.8	40.7	57.6	23.6	56.9	6.2	55.7	1.0	52.6	1.0	63.0	55.4	61.1	42.1	60.6	25.1	60.3	8.1	59.1	1.2	56.3	1.4
	57	57.1	53.0	56.8	50.3	53.6	48.1	52.3	31.7	51.7	14.1	50.5	3.5	63.0	55.7	59.6	52.9	56.5	49.8	55.3	33.4	54.8	15.9	53.7	5.2
3750	77	78.8	1.7	76.2	1.2	71.2	1.0	-	-	-	-	-	-	82.9	2.1	80.6	2.4	75.7	1.1	-	-	-	-	-	-
	72	73.5	13.8	72.5	10.1	70.2	13.0	65.4	1.3	-	-	-	-	77.3	15.4	76.4	11.8	74.4	13.1	69.7	1.6	-	-	-	-
	67	67.8	42.9	66.9	22.8	66.4	20.4	64.4	3.0	59.7	1.0	-	-	71.1	44.3	71.8	25.2	69.8	21.0	68.2	4.1	63.6	1.2	-	-
	62	65.8	57.5	62.2	51.5	61.3	32.0	60.2	11.1	58.6	1.0	54.1	1.1	67.4	58.9	64.8	53.5	64.9	33.8	64.0	13.1	62.1	1.8	57.9	1.7
	57	64.7	56.5	61.5	54.0	57.0	50.2	55.6	40.7	54.9	19.6	53.1	5.9	68.9	60.7	65.1	57.4	61.4	54.4	59.0	42.3	58.3	21.5	56.6	7.9
4375	77	81.8	3.0	78.6	3.0	72.5	1.1	-	-	-	-	-	-	86.0	5.0	83.0	4.4	77.2	1.3	-	-	-	-	-	-
	72	75.8	20.9	75.4	17.1	72.1	22.9	66.5	1.8	-	-	-	-	80.8	23.3	78.9	17.8	76.0	21.7	71.0	1.0	-	-	-	-
	67	70.9	54.2	70.2	31.3	69.0	30.4	66.2	5.7	60.7	1.1	-	-	74.3	55.7	73.9	32.8	73.0	30.0	70.3	6.7	64.3	1.4	-	-
	62	69.0	59.6	65.8	57.1	64.1	40.5	63.0	16.7	60.4	1.4	54.9	1.1	73.7	64.1	69.3	60.3	66.8	41.6	66.8	18.5	64.2	1.7	58.7	3.6
	57	68.9	59.9	61.6	58.0	59.6	54.0	58.5	48.8	57.3	25.2	54.8	8.2	73.7	64.3	68.1	59.6	65.5	57.6	61.4	51.1	60.7	27.0	58.5	1.8
5000	77	83.9	5.6	79.9	1.2	73.3	1.3	-	-	-	-	-	-	88.3	7.1	84.5	1.6	78.1	1.6	-	-	-	-	-	-
	72	79.3	29.5	77.5	25.6	73.6	36.3	67.3	1.7	-	-	-	-	83.2	31.0	81.7	26.8	78.1	36.6	71.7	1.1	-	-	-	-
	67	74.8	62.2	72.6	39.4	70.9	42.2	67.5	8.9	61.1	1.1	-	-	77.8	66.8	76.4	41.2	75.0	43.2	71.5	10.2	65.5	1.5	-	-
	62	73.3	62.9	70.3	60.7	66.2	49.0	64.4	21.7	61.4	1.7	55.4	1.8	77.7	67.0	73.3	63.4	69.8	50.9	68.6	23.8	65.4	2.1	59.4	4.4
	57	71.8	64.1	68.6	59.3	65.6	56.9	60.9	52.8	59.0	30.8	55.7	1.8	76.1	65.8	73.3	63.7	68.8	60.0	63.7	55.6	62.7	32.8	59.4	3.8
5625	77	85.8	7.5	80.4	1.7	74.1	1.8	-	-	-	-	-	-	90.3	10.9	85.7	1.3	80.0	1.3	-	-	-	-	-	-
	72	81.0	37.5	79.1	36.8	74.2	54.4	67.6	1.0	-	-	-	-	85.1	39.1	83.4	37.5	78.8	54.4	72.2	1.2	-	-	-	-
	67	77.4	65.4	74.5	47.7	72.8	55.7	67.9	13.5	61.7	1.3	-	-	81.1	68.8	78.7	49.5	76.8	56.7	72.4	14.7	65.9	1.9	-	-
	62	77.4	65.7	72.7	61.9	71.5	57.1	66.2	27.2	62.0	1.4	55.6	3.5	81.0	69.2	76.3	65.2	71.6	59.1	70.2	29.1	66.2	3.0	59.7	6.3
	57	77.4	66.2	72.7	62.3	70.2	58.6	63.5	54.5	60.1	36.2	56.1	3.5	81.1	69.7	75.7	65.1	71.5	61.6	66.8	57.6	64.0	38.3	60.1	5.7
6250	77	87.0	2.2	81.4	1.4	74.1	1.8	-	-	-	-	-	-	91.6	3.9	86.1	2.1	81.2	1.0	-	-	-	-	-	-
	72	82.6	45.0	80.1	48.7	74.8	58.4	67.9	1.0	-	-	-	-	86.9	46.9	84.7	50.0	79.4	60.7	72.7	1.3	-	-	-	-
	67	80.0	66.7	75.9	55.2	73.9	58.6	68.8	19.0	62.0	1.5	-	-	83.9	70.4	79.6	57.5	78.0	61.3	72.9	20.3	66.1	0.9	-	-
	62	80.0	67.3	74.5	62.7	70.1	58.8	67.4	32.3	62.3	2.0	55.9	5.0	83.7	70.7	78.3	66.1	73.5	62.0	71.3	34.4	66.7	3.3	59.9	7.1
	57	80.0	67.6	73.1	63.5	69.8	59.0	65.2	55.0	61.3	41.6	56.4	5.2	83.7	71.1	77.1	66.9	73.7	62.7	68.7	58.3	65.0	43.4	60.4	7.5

Table 26: KE13 hot gas reheat capacity performance (65°F to 55°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
		65 (°F)												55 (°F)									
3125	77	80.7	1.3	79.5	1.8	77.4	1.1	-	-	-	-	-	-	85.2	2.7	82.3	2.0	80.1	2.2	-	-	-	-	-	-
	72	76.4	9.9	75.8	7.6	74.3	7.4	71.3	1.5	-	-	-	-	80.3	11.8	78.8	8.8	77.5	8.1	74.8	3.3	-	-	-	-
	67	70.5	35.1	70.0	18.2	69.6	14.2	68.3	2.7	65.6	1.3	-	-	73.2	36.4	73.1	19.8	72.5	15.2	71.4	3.2	68.8	0.9	-	-
	62	65.8	58.1	64.3	44.0	64.0	27.1	63.2	9.6	62.1	1.2	59.8	2.2	68.1	60.3	66.3	44.8	66.8	28.5	65.7	10.8	65.5	2.6	63.0	4.4
	57	65.7	58.2	62.2	55.3	59.0	51.7	57.3	34.3	57.8	17.7	56.8	5.9	63.4	60.5	60.2	57.9	61.6	53.7	61.0	36.7	60.7	19.4	59.7	1.8
3750	77	86.6	4.1	84.5	1.0	79.8	1.3	-	-	-	-	-	-	89.5	6.1	87.7	5.2	83.5	1.7	-	-	-	-	-	-
	72	80.8	16.8	80.0	12.5	78.0	12.6	73.7	1.0	-	-	-	-	83.9	18.2	83.1	13.4	80.5	14.0	76.9	1.7	-	-	-	-
	67	74.8	46.2	74.2	26.2	73.6	20.9	71.8	5.0	67.7	1.7	-	-	77.8	47.6	77.0	27.6	74.5	22.7	74.4	5.9	70.9	1.5	-	-
	62	71.7	62.9	68.3	55.3	66.4	34.5	67.3	14.9	65.7	2.2	61.8	4.1	72.5	63.5	71.2	56.9	70.8	36.7	70.2	16.4	68.5	3.9	65.2	6.7
	57	71.6	63.1	68.2	60.5	64.1	57.0	62.1	43.9	61.4	23.2	59.8	1.7	67.5	65.6	65.8	62.5	66.7	59.5	64.9	45.6	64.4	25.0	62.5	3.1
4375	77	90.0	7.3	87.1	1.3	80.8	1.6	-	-	-	-	-	-	92.8	10.0	90.3	1.8	85.1	4.2	-	-	-	-	-	-
	72	83.3	24.0	83.1	18.9	80.5	23.7	75.0	1.1	-	-	-	-	87.3	26.0	86.2	19.1	83.9	23.6	78.3	1.2	-	-	-	-
	67	78.1	57.6	77.6	34.6	76.4	32.3	74.0	7.8	68.5	1.1	-	-	81.1	58.9	79.8	35.4	79.6	32.7	77.3	8.7	72.3	2.1	-	-
	62	76.6	66.8	72.5	63.5	71.0	44.0	70.1	20.2	67.8	3.3	62.3	6.2	79.1	69.2	74.6	65.5	73.9	45.4	73.1	21.7	71.0	5.3	66.2	9.1
	57	75.1	67.5	72.2	63.6	67.9	59.9	64.8	52.7	64.0	29.0	61.8	3.7	79.3	69.6	69.8	66.2	68.5	62.9	67.6	54.5	67.0	30.5	64.9	5.4
5000	77	91.6	10.6	88.6	1.2	82.3	1.0	-	-	-	-	-	-	95.3	13.1	92.1	1.7	86.1	1.3	-	-	-	-	-	-
	72	86.8	32.5	85.4	27.9	81.9	36.8	75.9	1.4	-	-	-	-	89.8	33.8	88.6	28.3	85.5	37.1	79.5	1.7	-	-	-	-
	67	81.0	68.4	80.3	43.0	78.2	44.0	75.6	11.1	69.5	1.3	-	-	83.6	69.8	83.1	44.1	81.9	44.8	79.0	11.9	74.5	2.8	-	-
	62	80.6	69.6	76.3	66.2	73.4	52.6	72.1	25.6	69.1	3.8	63.3	7.3	82.0	71.0	79.0	68.7	76.5	54.1	75.2	27.1	72.5	6.6	66.9	11.5
	57	79.8	69.4	76.3	66.5	72.0	62.9	67.6	59.2	66.0	34.5	63.1	5.8	82.8	72.1	78.9	69.0	74.4	65.3	70.1	61.6	69.0	36.2	66.1	7.4
5625	77	94.2	13.7	89.8	2.1	83.0	1.0	-	-	-	-	-	-	97.1	15.4	93.5	2.8	86.5	1.6	-	-	-	-	-	-
	72	88.9	40.5	87.3	38.0	83.0	53.3	76.4	1.7	-	-	-	-	91.8	41.9	90.4	39.6	86.7	53.3	80.1	2.5	-	-	-	-
	67	84.2	71.7	82.2	50.9	80.4	56.9	76.5	15.6	72.0	1.7	-	-	86.9	74.3	85.4	52.7	83.6	57.6	80.0	16.7	76.3	2.8	-	-
	62	84.2	72.1	79.4	68.2	75.0	60.7	73.7	30.7	70.0	4.9	63.6	9.5	86.9	74.7	81.5	70.3	78.0	62.2	76.9	32.4	73.5	7.0	67.2	12.6
	57	84.2	72.5	78.0	67.3	74.7	64.8	70.0	60.7	66.9	40.0	63.8	7.8	86.9	75.1	82.2	71.3	77.5	67.3	72.4	63.0	70.2	41.8	67.2	9.6
6250	77	95.7	5.4	90.2	1.0	83.3	1.2	-	-	-	-	-	-	98.5	6.7	93.9	3.9	89.1	0.9	-	-	-	-	-	-
	72	90.6	48.6	88.6	49.5	83.7	1.0	76.8	1.0	-	-	-	-	93.2	49.7	91.7	50.5	87.2	64.9	82.5	2.9	-	-	-	-
	67	87.1	73.2	83.3	58.7	81.3	65.4	77.2	21.2	74.0	2.0	-	-	90.0	75.9	86.6	60.4	85.7	66.1	80.9	21.9	78.9	3.2	-	-
	62	87.0	73.7	82.1	69.7	77.1	65.4	74.9	36.1	70.4	5.7	63.8	11.2	89.7	76.3	84.8	72.2	79.1	67.3	78.2	37.5	74.1	7.9	67.3	14.6
	57	87.0	74.1	82.0	70.0	76.6	65.5	72.0	61.6	68.6	45.3	64.2	9.5	89.7	76.7	84.8	72.6	79.9	68.6	74.9	64.3	71.6	47.0	67.7	11.5

Table 27: KE13 hot gas reheat capacity performance (45°F to 35°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
		45 (°F)												35 (°F)											
3125	77	87.2	3.9	86.0	1.1	83.4	1.4	-	-	-	-	-	-	89.6	7.3	88.2	1.4	85.6	1.1	-	-	-	-	-	-
	72	81.5	12.8	80.9	9.4	79.7	8.8	77.6	1.5	-	-	-	-	83.6	13.5	83.1	9.9	81.9	9.4	79.6	1.4	-	-	-	-
	67	75.6	37.8	75.4	21.0	74.9	16.2	73.9	4.2	71.6	2.2	-	-	76.9	38.6	76.6	21.8	76.7	17.1	75.0	5.0	74.5	3.5	-	-
	62	70.3	62.2	69.6	46.8	69.4	30.0	68.9	12.7	67.9	4.9	65.8	7.4	71.9	64.5	71.3	48.0	71.1	31.2	70.7	14.0	70.0	7.0	68.2	10.0
	57	70.2	62.5	67.0	59.9	63.8	55.3	63.6	38.2	63.2	20.8	62.4	3.5	71.6	63.8	68.6	61.4	65.9	56.7	65.7	39.5	65.4	22.1	64.7	4.9
3750	77	91.7	8.5	90.1	1.7	86.3	1.0	-	-	-	-	-	-	94.0	11.3	92.3	1.2	90.6	76.4	-	-	-	-	-	-
	72	85.9	19.3	85.2	14.4	82.8	14.7	80.0	1.8	-	-	-	-	87.9	20.1	87.3	15.2	85.8	15.4	82.3	2.3	-	-	-	-
	67	79.9	48.9	79.5	29.0	78.9	23.7	77.0	6.7	74.8	2.9	-	-	81.7	49.8	81.5	30.0	80.2	24.7	79.6	6.9	78.5	4.5	-	-
	62	76.4	67.2	73.6	58.3	73.3	38.1	72.9	17.8	70.9	6.4	68.1	9.9	77.9	68.7	75.6	59.4	75.2	39.5	73.8	18.3	73.2	8.8	70.7	12.9
	57	76.3	67.6	72.6	64.7	68.9	61.5	67.5	47.1	66.6	26.2	65.7	5.0	77.9	69.0	74.2	66.1	70.7	63.2	69.5	48.4	69.0	27.7	67.9	6.3
4375	77	95.2	11.8	92.9	1.8	88.0	1.3	-	-	-	-	-	-	97.4	15.5	95.1	2.5	93.8	1.9	-	-	-	-	-	-
	72	89.3	27.2	88.3	20.4	86.3	24.4	81.3	1.4	-	-	-	-	91.4	28.0	90.5	21.2	88.5	24.7	84.1	3.0	-	-	-	-
	67	83.2	60.1	82.2	37.0	81.9	33.8	80.0	9.6	75.4	4.3	-	-	84.9	61.0	84.2	38.0	80.2	34.4	81.5	10.4	81.7	5.5	-	-
	62	80.3	70.0	76.7	67.3	76.5	46.9	75.8	23.1	73.8	8.8	69.2	13.9	82.9	72.7	77.5	68.1	78.1	47.9	77.5	24.4	75.6	10.6	72.0	16.1
	57	81.1	71.3	76.5	67.6	73.3	65.0	70.1	55.7	69.7	32.0	67.8	7.0	82.9	73.0	78.9	69.8	75.0	66.7	72.2	56.9	71.6	33.4	69.9	8.4
5000	77	97.7	15.0	94.8	3.1	89.2	1.7	-	-	-	-	-	-	99.9	19.5	97.1	3.9	95.5	1.5	-	-	-	-	-	-
	72	91.8	35.0	90.8	29.2	88.0	38.0	82.7	1.9	-	-	-	-	93.5	35.5	92.7	29.7	90.3	38.3	86.9	3.3	-	-	-	-
	67	84.1	69.4	85.1	45.3	84.2	45.9	81.5	12.8	76.2	4.6	-	-	86.7	70.7	87.1	46.3	86.1	46.6	83.8	13.3	83.7	5.7	-	-
	62	85.3	74.0	80.9	70.5	78.9	55.5	77.9	28.6	75.4	9.5	70.1	15.3	86.6	75.2	82.6	72.0	80.6	56.7	79.7	29.7	77.3	11.3	72.8	17.4
	57	83.9	73.0	80.9	70.9	76.4	67.2	72.6	64.2	71.5	37.5	69.4	9.3	86.6	76.2	82.6	72.4	78.3	68.9	74.3	66.3	73.7	39.1	71.9	10.9
5625	77	100.0	19.5	96.1	4.6	90.8	1.3	-	-	-	-	-	-	101.8	23.0	98.4	5.6	97.1	1.1	-	-	-	-	-	-
	72	93.8	42.8	92.7	38.7	89.3	53.6	83.3	2.8	-	-	-	-	96.0	43.6	94.7	40.2	91.3	54.3	88.7	4.0	-	-	-	-
	67	88.7	76.0	85.6	52.7	85.9	58.4	82.9	17.5	76.8	4.5	-	-	90.8	78.7	89.2	54.6	87.9	59.4	86.0	18.3	85.6	6.6	-	-
	62	88.7	76.4	83.4	71.9	80.4	63.7	79.4	33.9	76.4	9.9	70.2	16.4	90.7	78.2	85.7	74.1	82.3	64.9	81.4	35.1	78.7	13.1	75.1	20.1
	57	88.7	76.8	83.1	72.0	79.8	69.5	75.2	65.7	73.2	43.4	70.2	11.3	90.6	78.4	85.7	74.4	81.4	71.0	76.9	67.3	75.2	44.6	72.7	12.8
6250	77	101.3	7.9	97.2	6.0	92.5	1.6	-	-	-	-	-	-	102.8	8.3	99.4	7.4	98.9	1.0	-	-	-	-	-	-
	72	95.8	51.3	94.1	51.2	90.2	69.4	85.0	4.4	-	-	-	-	97.9	52.0	96.2	51.0	92.6	69.4	91.2	5.2	-	-	-	-
	67	91.7	77.6	88.8	61.2	87.1	69.8	83.6	22.7	82.2	5.1	-	-	93.7	79.4	90.5	62.2	89.7	70.1	86.0	23.9	79.8	15.1	-	-
	62	91.7	78.0	85.7	73.1	82.0	70.2	80.7	38.9	77.1	11.1	72.7	18.9	93.7	79.8	88.7	75.9	86.9	70.8	83.1	40.5	79.5	23.3	76.3	38.4
	57	91.7	78.4	84.7	72.6	82.0	70.6	77.4	66.7	74.4	48.7	70.8	13.2	93.6	80.2	88.2	75.8	84.2	71.5	79.0	68.4	76.3	50.2	73.4	14.9

KE15 hot gas reheat capacity performance

Table 28: KE15 hot gas reheat capacity performance (85°F to 75°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
		85 (°F)												75 (°F)											
3750	77	84.0	1.5	81.9	1.3	77.8	1.1	-	-	-	-	-	-	88.8	2.1	86.7	1.0	82.7	1.2	-	-	-	-	-	-
	72	77.2	3.4	77.5	4.3	74.3	4.7	71.7	1.6	-	-	-	-	82.5	5.4	81.7	5.2	80.0	5.4	76.3	1.0	-	-	-	-
	67	72.5	29.4	72.1	12.8	71.1	10.0	69.5	1.6	65.7	1.1	-	-	76.3	30.8	76.0	14.3	75.2	11.1	73.6	1.0	70.1	1.7	-	-
	62	68.9	50.2	65.8	38.2	65.7	21.2	65.0	4.1	63.3	1.7	59.9	1.4	71.8	52.3	69.8	39.7	69.4	22.9	68.7	5.7	67.3	2.3	64.1	1.8
	57	68.9	50.3	65.0	47.8	61.4	45.3	59.8	29.4	58.9	11.9	57.5	3.5	72.1	52.8	68.3	50.3	64.6	47.0	63.2	31.1	62.5	13.7	61.1	5.2
4500	77	88.8	2.4	85.7	1.0	80.5	1.2	-	-	-	-	-	-	93.4	4.6	90.9	1.1	85.5	1.5	-	-	-	-	-	-
	72	83.1	11.2	81.9	8.2	79.3	10.1	74.0	1.1	-	-	-	-	87.5	12.7	86.3	9.5	83.9	10.7	78.8	1.0	-	-	-	-
	67	76.9	40.2	75.3	19.9	75.2	17.1	72.4	2.1	67.7	1.3	-	-	81.1	41.7	80.4	22.0	80.4	18.1	76.3	2.9	72.3	0.9	-	-
	62	75.3	54.3	71.2	48.5	69.2	28.9	69.0	8.9	66.6	1.2	61.7	1.3	78.0	56.5	74.7	50.6	73.0	30.5	73.1	10.7	70.7	3.0	66.1	1.1
	57	75.2	54.6	71.0	51.8	66.9	48.9	63.5	38.0	62.6	17.1	60.0	5.9	78.7	57.4	74.4	54.4	70.3	51.6	67.1	39.7	66.4	18.9	63.6	7.9
5250	77	92.0	4.2	88.5	1.2	81.9	1.3	-	-	-	-	-	-	96.9	1.0	93.6	1.4	87.2	1.9	-	-	-	-	-	-
	72	86.0	18.3	85.0	14.2	81.6	19.8	75.3	1.0	-	-	-	-	91.1	20.1	89.7	15.7	86.4	20.7	80.3	1.1	-	-	-	-
	67	79.1	50.1	78.8	27.8	78.2	27.3	75.0	4.2	68.9	1.4	-	-	84.7	52.3	83.9	29.8	82.6	28.4	79.6	4.8	73.6	1.2	-	-
	62	80.4	57.5	75.8	54.4	72.8	37.5	71.7	13.8	68.7	1.8	62.7	2.0	84.1	60.5	78.8	56.7	76.9	39.0	75.0	15.1	73.0	3.8	67.1	1.4
	57	81.5	58.7	74.0	53.3	71.4	51.6	66.9	45.7	64.6	21.8	62.3	8.2	84.0	60.7	78.8	57.1	73.8	53.5	70.4	47.8	69.2	24.1	65.9	1.2
6000	77	94.6	1.0	90.0	1.6	82.9	1.7	-	-	-	-	-	-	99.5	1.6	95.3	1.2	88.2	1.2	-	-	-	-	-	-
	72	89.3	26.0	87.4	22.7	83.1	32.5	76.2	1.0	-	-	-	-	94.1	27.7	92.1	23.6	88.4	33.8	81.2	1.2	-	-	-	-
	67	83.5	58.5	82.3	35.8	80.6	38.4	76.5	6.9	69.6	1.6	-	-	88.3	61.7	86.6	37.5	85.0	40.0	81.2	7.9	74.4	1.5	-	-
	62	84.8	60.1	79.7	56.5	75.3	45.3	73.4	18.6	69.9	2.4	63.2	1.9	87.2	61.8	83.6	59.5	79.3	47.3	77.9	20.3	74.3	4.4	67.8	1.7
	57	84.6	60.2	79.7	56.8	74.9	53.5	69.9	50.0	67.1	27.4	63.2	1.1	86.9	61.9	83.6	59.8	78.0	55.9	73.0	52.4	71.1	29.3	67.7	1.0
6750	77	96.4	1.5	91.2	1.1	83.6	1.3	-	-	-	-	-	-	101.6	1.6	96.6	1.9	89.1	1.0	-	-	-	-	-	-
	72	91.3	33.4	89.2	33.0	83.8	48.2	76.8	1.0	-	-	-	-	95.4	34.8	94.1	33.3	89.3	49.0	81.8	1.3	-	-	-	-
	67	87.9	61.0	84.2	43.6	82.6	50.2	77.4	10.8	70.1	1.6	-	-	91.3	63.4	88.7	45.0	86.8	51.7	82.2	11.6	74.9	1.4	-	-
	62	87.9	61.4	82.8	57.7	77.7	52.4	75.2	23.4	70.6	2.4	63.6	1.2	92.1	64.6	86.7	60.8	81.5	54.6	79.3	25.0	75.0	4.4	68.2	1.4
	57	86.7	60.7	82.2	57.7	77.7	54.6	72.4	50.8	68.7	32.7	64.2	1.6	92.0	64.8	85.5	60.3	81.6	57.6	76.2	53.8	72.7	34.5	68.5	2.5
7500	77	98.0	1.4	92.1	1.7	84.0	2.0	-	-	-	-	-	-	103.2	1.0	97.5	2.7	89.5	1.0	-	-	-	-	-	-
	72	93.4	40.5	90.7	43.3	85.0	52.9	77.0	1.1	-	-	-	-	98.2	42.4	95.6	44.9	90.2	56.8	82.2	1.5	-	-	-	-
	67	90.7	61.7	85.8	50.3	83.4	53.5	78.1	15.6	70.4	1.7	-	-	94.9	64.9	90.3	52.3	88.2	57.2	83.0	16.6	75.3	1.5	-	-
	62	90.7	62.1	85.3	58.3	79.4	54.2	76.7	28.2	71.3	2.9	63.9	1.7	94.9	65.5	88.3	60.8	83.9	57.7	81.0	30.0	76.0	4.9	68.4	1.6
	57	90.7	62.6	84.1	57.9	79.9	54.9	74.4	50.9	69.8	37.3	64.5	1.8	95.0	65.8	88.3	61.2	83.9	58.1	78.4	54.1	73.8	38.8	69.1	4.0

Table 29: KE15 hot gas reheat capacity performance (65°F to 55°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
		65 (°F)												55 (°F)									
3750	77	92.9	3.8	91.1	1.2	87.3	1.6	-	-	-	-	-	-	96.5	1.0	94.8	1.5	91.3	1.0	-	-	-	-	-	-
	72	86.6	6.9	85.7	5.5	84.0	6.1	80.6	1.2	-	-	-	-	89.2	7.8	89.1	6.8	87.6	6.7	84.4	1.6	-	-	-	-
	67	79.9	32.4	78.3	15.0	78.8	12.2	77.3	1.7	74.2	1.7	-	-	83.3	33.7	82.9	17.2	82.0	13.1	80.8	2.1	77.9	3.1	-	-
	62	75.2	55.0	73.3	41.2	72.9	24.4	72.3	7.3	70.6	4.4	67.6	1.9	78.1	57.2	77.4	43.5	76.0	25.8	75.2	8.5	73.9	6.8	71.2	3.4
	57	75.1	55.2	71.2	52.6	67.5	48.9	66.4	32.5	65.8	15.2	64.5	5.9	77.8	57.4	74.0	54.8	70.1	50.8	69.3	34.0	68.9	16.8	67.7	1.8
4500	77	97.9	1.1	95.4	1.5	90.4	1.0	-	-	-	-	-	-	101.5	1.8	99.4	1.0	94.6	1.1	-	-	-	-	-	-
	72	91.6	14.2	90.5	10.5	88.1	11.3	83.3	1.4	-	-	-	-	95.1	15.5	94.0	11.4	92.0	11.5	87.4	2.0	-	-	-	-
	67	84.9	43.1	84.3	23.5	83.3	19.0	81.2	3.2	76.6	2.0	-	-	88.2	44.5	87.7	24.8	86.7	19.5	84.2	4.2	80.6	3.3	-	-
	62	80.8	58.6	78.0	52.4	76.6	32.0	75.7	11.5	74.5	5.2	69.7	2.2	84.7	61.7	81.2	53.7	79.5	33.1	79.5	13.3	78.0	7.5	74.0	3.5
	57	82.0	59.9	77.7	56.9	73.3	53.9	70.7	41.3	69.8	20.5	68.0	1.8	84.7	61.9	80.5	59.2	76.2	56.2	73.9	42.6	73.1	22.0	71.3	1.7
5250	77	101.5	1.7	98.3	1.2	92.1	1.0	-	-	-	-	-	-	105.0	2.2	102.3	2.0	96.4	1.3	-	-	-	-	-	-
	72	95.3	21.5	94.2	16.5	90.8	20.7	84.7	1.5	-	-	-	-	98.9	22.7	97.5	16.4	94.9	21.0	89.1	2.1	-	-	-	-
	67	88.3	54.0	87.4	31.0	86.6	29.0	83.8	5.9	78.0	2.5	-	-	92.2	55.4	90.3	31.9	89.9	29.7	86.8	6.8	82.1	3.9	-	-
	62	86.4	62.2	81.1	58.5	80.7	40.6	79.6	17.1	77.0	6.3	71.3	2.9	90.5	65.3	85.7	62.2	83.9	42.0	83.0	18.5	80.6	8.8	75.3	4.3
	57	87.4	63.3	82.2	59.7	78.1	56.9	73.8	49.7	72.7	25.7	70.3	1.0	90.4	65.6	84.0	61.1	81.1	59.3	76.2	50.4	75.8	27.0	73.4	2.3
6000	77	104.1	1.9	100.2	2.1	93.2	1.1	-	-	-	-	-	-	107.8	3.6	104.3	1.0	98.2	1.6	-	-	-	-	-	-
	72	98.2	29.0	96.7	24.4	92.7	34.1	85.9	1.8	-	-	-	-	101.8	30.3	100.2	25.1	96.7	33.7	90.2	1.0	-	-	-	-
	67	92.1	63.7	90.6	38.9	89.1	40.9	84.8	8.7	78.9	2.7	-	-	93.1	64.3	94.2	40.2	92.7	41.1	89.4	9.5	82.9	3.7	-	-
	62	90.0	64.1	86.7	62.1	83.3	48.9	81.9	22.0	78.5	6.9	71.8	3.0	93.2	66.5	90.1	64.5	87.0	50.2	85.4	23.5	82.3	8.7	76.0	3.8
	57	91.3	65.3	86.9	62.5	81.3	58.5	77.0	55.7	75.0	31.0	71.8	2.8	95.0	68.3	90.1	65.0	84.9	61.4	80.0	57.9	78.1	32.4	75.2	4.4
6750	77	106.3	3.2	101.3	3.0	93.9	1.1	-	-	-	-	-	-	110.0	5.0	105.7	1.1	99.9	1.8	-	-	-	-	-	-
	72	99.7	36.2	98.4	34.2	93.9	49.4	86.6	1.0	-	-	-	-	104.1	37.6	102.2	35.1	98.1	48.8	90.9	1.1	-	-	-	-
	67	95.8	66.9	93.0	46.7	90.9	52.9	86.7	12.6	79.4	2.5	-	-	98.9	69.3	96.6	48.2	94.7	53.1	90.7	13.7	83.5	3.9	-	-
	62	95.0	66.8	90.4	63.7	85.2	56.6	83.7	26.8	79.6	6.8	72.2	2.6	98.9	69.7	93.6	66.2	88.8	57.8	87.3	28.3	83.2	9.4	76.5	4.1
	57	94.5	66.9	89.0	63.0	85.2	60.5	79.9	56.7	76.5	36.2	72.6	4.5	97.9	69.5	93.6	66.6	88.3	63.0	82.0	58.4	80.0	37.8	76.4	6.2
7500	77	108.0	1.4	102.6	3.8	94.5	1.2	-	-	-	-	-	-	111.6	2.8	106.8	1.3	100.6	1.0	-	-	-	-	-	-
	72	102.5	43.8	100.1	44.9	94.9	1.1	87.1	1.2	-	-	-	-	105.9	45.2	104.0	45.4	99.2	63.7	91.3	1.1	-	-	-	-
	67	98.7	67.9	94.3	53.8	92.5	60.1	87.5	17.4	79.8	2.6	-	-	102.2	70.5	98.0	55.2	96.0	63.4	91.5	18.2	84.5	4.0	-	-
	62	97.6	67.5	93.2	64.5	87.6	60.7	84.7	31.5	80.3	7.2	72.8	2.7	102.0	70.8	96.5	67.1	90.9	63.2	88.7	33.0	84.2	9.8	76.8	4.2
	57	98.8	68.8	93.3	65.1	87.9	61.3	81.9	57.1	77.8	40.7	73.2	5.9	102.0	71.3	95.6	66.9	89.9	63.0	85.3	59.7	81.4	42.4	77.0	7.6

Table 30: KE15 hot gas reheat capacity performance (45°F to 35°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
		45 (°F)												35 (°F)									
3750	77	98.9	1.9	97.5	1.4	94.5	1.3	-	-	-	-	-	-	101.4	2.0	99.8	30.4	97.1	1.5	-	-	-	-
	72	90.1	8.2	91.0	7.6	89.9	7.3	88.6	1.0	-	-	-	-	94.6	10.3	93.7	8.2	92.6	7.9	90.1	1.1	-	-
	67	84.4	34.0	85.7	18.3	85.0	14.0	83.7	2.8	81.2	5.2	-	-	87.4	35.7	87.4	19.2	85.9	15.0	85.6	3.2	83.3	5.0
	62	80.3	59.0	79.1	43.8	78.8	27.1	78.2	10.0	76.3	10.0	74.1	5.7	82.0	60.9	81.0	45.0	80.7	28.3	79.9	10.9	79.2	10.1
	57	80.1	59.1	76.4	56.7	72.6	52.3	72.2	35.4	71.7	18.2	70.6	1.6	81.9	60.5	78.1	58.1	74.8	53.4	74.6	36.7	74.0	19.3
4500	77	104.3	2.1	102.0	1.0	97.9	1.6	-	-	-	-	-	-	106.4	4.1	104.6	37.8	100.6	1.8	-	-	-	-
	72	96.1	15.5	96.7	11.9	94.5	13.2	90.0	1.0	-	-	-	-	99.8	17.3	98.9	13.0	97.1	12.8	93.0	1.2	-	-
	67	90.9	45.7	89.6	25.6	89.5	21.6	87.5	5.0	83.8	5.7	-	-	92.7	46.5	92.4	27.0	91.5	21.4	90.0	5.6	86.6	5.7
	62	87.2	63.6	83.9	55.1	83.5	35.1	82.7	14.8	81.1	11.2	77.4	6.2	88.8	64.8	85.6	56.1	84.5	35.7	84.7	15.9	83.3	11.6
	57	87.1	63.9	82.9	61.1	77.3	57.1	76.6	43.8	76.0	23.5	74.4	2.2	89.0	65.4	84.6	62.4	80.5	59.7	78.6	45.0	78.0	24.5
5250	77	107.7	4.0	105.3	1.2	99.9	1.0	-	-	-	-	-	-	110.5	6.4	107.8	47.1	102.7	2.1	-	-	-	-
	72	101.3	24.0	100.1	17.4	97.7	21.6	92.6	1.1	-	-	-	-	104.1	24.9	101.9	18.6	99.7	22.3	95.3	1.2	-	-
	67	94.7	56.4	93.1	33.4	92.3	30.6	90.5	7.4	85.6	6.2	-	-	97.0	57.5	96.0	34.8	94.9	31.5	92.6	8.1	88.4	6.5
	62	92.5	67.0	88.3	64.0	87.0	43.3	85.9	19.7	83.4	12.4	78.8	6.9	94.5	68.5	89.4	65.0	88.9	44.4	87.8	20.9	85.9	13.0
	57	92.6	67.4	88.2	64.4	83.6	61.3	79.8	52.4	78.9	28.6	76.6	3.9	94.6	68.9	91.0	66.6	85.3	62.7	82.1	53.6	81.1	29.9
6000	77	112.5	48.5	107.4	1.0	101.1	1.4	-	-	-	-	-	-	113.4	9.1	110.2	56.2	104.0	2.4	-	-	-	-
	72	104.1	31.5	102.9	25.0	99.7	34.2	93.7	1.1	-	-	-	-	106.6	32.2	105.4	26.3	102.4	34.9	96.6	1.2	-	-
	67	97.2	65.9	95.7	40.8	94.9	42.1	92.5	10.1	86.6	6.6	-	-	98.8	66.9	98.2	42.3	97.6	42.9	95.0	11.0	89.5	7.2
	62	96.5	69.0	92.4	66.5	89.8	51.7	88.4	24.8	85.6	13.2	79.6	7.2	99.3	71.1	94.3	67.8	91.5	52.6	90.3	26.0	88.0	14.4
	57	97.1	69.9	91.2	65.9	87.6	63.5	82.7	60.8	81.4	34.0	78.3	5.7	99.2	71.5	94.3	68.3	89.0	64.6	83.7	61.3	83.5	35.2
6750	77	113.0	7.2	109.0	57.8	102.0	1.6	-	-	-	-	-	-	115.6	10.0	111.7	64.5	105.1	2.7	-	-	-	-
	72	106.7	38.8	105.0	35.7	101.4	49.1	94.4	1.2	-	-	-	-	109.0	39.6	107.6	34.4	104.0	48.9	97.4	1.3	-	-
	67	101.1	70.9	98.8	49.3	97.3	53.9	93.9	14.5	87.2	7.3	-	-	102.7	72.2	99.8	49.0	99.7	54.2	96.6	15.2	90.2	7.8
	62	99.8	70.5	95.9	68.1	91.4	59.2	90.2	29.7	86.9	14.6	80.1	7.7	104.7	74.2	98.3	69.7	93.5	60.0	92.4	30.9	89.2	15.6
	57	100.0	71.0	95.7	68.3	90.9	65.0	84.9	60.7	83.0	39.1	79.9	7.8	103.2	73.6	97.8	69.9	92.7	66.4	87.2	62.6	85.2	40.3
7500	77	114.7	3.8	112.2	65.3	102.7	1.8	-	-	-	-	-	-	117.4	4.6	113.0	72.8	105.8	3.0	-	-	-	-
	72	108.5	46.5	106.8	45.5	102.4	64.3	95.0	1.2	-	-	-	-	111.2	47.3	109.5	46.4	105.1	68.3	97.9	1.3	-	-
	67	104.3	72.2	100.8	55.9	98.9	64.8	94.9	18.8	87.6	7.9	-	-	106.6	74.1	102.9	57.1	101.3	67.9	97.6	19.8	90.5	8.4
	62	104.3	72.7	98.7	68.8	93.5	65.2	91.6	34.2	87.7	15.9	80.4	8.1	106.6	74.4	100.5	70.2	95.4	67.5	93.9	35.5	89.9	16.9
	57	104.3	73.1	98.3	68.9	93.5	65.7	88.1	62.0	84.5	44.0	80.5	9.3	106.5	74.8	101.1	71.1	95.4	67.2	90.1	63.5	86.3	45.1

KE18 hot gas reheat capacity performance

Table 31: KE18 hot gas reheat capacity performance (85°F to 75°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
		85 (°F)												75 (°F)											
4375	77	114.8	5.1	113.0	1.0	108.6	1.3	-	-	-	-	-	-	119.7	6.6	118.1	1.3	114.2	1.7	-	-	-	-	-	-
	72	105.7	18.4	105.0	13.5	103.3	13.0	99.2	1.1	-	-	-	-	109.9	19.6	109.6	14.6	108.3	13.8	104.5	1.4	-	-	-	-
	67	96.7	41.9	96.6	25.8	95.9	20.7	94.3	6.8	90.3	1.0	-	-	101.1	43.3	100.9	27.2	100.3	21.8	98.9	7.8	95.4	1.0	-	-
	62	91.7	57.7	88.2	49.2	88.0	32.9	87.4	16.4	85.8	1.2	81.9	1.4	93.6	58.9	92.5	50.8	92.1	34.5	91.6	17.9	90.2	1.1	86.7	1.1
	57	90.6	57.2	86.5	54.9	81.9	52.2	79.6	39.5	79.1	22.8	77.7	3.5	95.4	60.5	90.0	57.3	85.3	54.6	83.5	41.2	82.2	23.9	81.8	5.2
5250	77	119.7	1.1	117.1	1.6	110.7	1.7	-	-	-	-	-	-	125.1	1.8	122.5	1.1	116.6	1.0	-	-	-	-	-	-
	72	111.3	26.1	109.8	19.0	107.2	23.0	101.2	1.2	-	-	-	-	116.0	27.4	114.8	20.2	112.7	23.5	106.8	1.8	-	-	-	-
	67	102.5	53.0	101.5	33.7	100.8	30.8	98.1	9.6	92.1	1.0	-	-	105.6	53.7	106.1	35.2	105.2	31.7	103.0	10.7	97.4	1.1	-	-
	62	99.7	62.1	94.2	59.6	92.6	41.3	91.7	21.5	89.4	1.1	83.5	1.0	103.6	64.8	98.0	61.4	97.1	42.8	96.1	23.0	93.9	1.6	88.5	1.2
	57	99.2	62.1	94.2	59.3	87.8	55.4	84.2	48.0	83.5	28.3	81.1	5.9	103.6	65.0	97.8	61.8	91.4	57.8	88.0	49.6	87.5	29.9	85.5	7.9
6125	77	123.7	1.4	119.8	1.5	112.0	1.0	-	-	-	-	-	-	129.0	2.6	125.4	2.4	117.9	1.3	-	-	-	-	-	-
	72	115.3	33.7	113.5	28.0	109.9	34.2	102.3	1.6	-	-	-	-	120.1	35.0	118.6	28.6	115.3	34.5	107.9	1.3	-	-	-	-
	67	106.5	62.6	105.4	41.7	104.1	40.8	100.6	12.2	93.1	1.0	-	-	110.8	64.5	109.3	42.9	108.8	41.8	105.6	13.7	98.5	1.2	-	-
	62	106.0	65.4	100.2	62.0	95.5	48.7	94.0	26.0	91.7	1.4	84.3	1.8	110.2	68.2	104.0	64.5	100.8	50.7	99.4	28.0	96.5	1.3	89.4	2.9
	57	105.6	65.4	100.0	62.1	93.2	58.1	88.3	55.7	86.4	33.4	83.2	8.2	110.1	68.5	103.9	64.9	98.0	61.4	91.9	57.3	90.5	35.1	87.7	11.4
7000	77	126.4	2.7	121.6	2.7	112.8	1.1	-	-	-	-	-	-	131.9	5.0	127.4	1.1	118.8	1.5	-	-	-	-	-	-
	72	118.3	41.1	116.3	37.3	111.6	49.7	103.0	1.1	-	-	-	-	123.3	42.5	121.4	38.0	117.2	48.9	108.7	1.8	-	-	-	-
	67	111.7	67.3	108.7	48.8	106.6	53.1	102.2	17.1	93.6	1.1	-	-	115.8	70.2	113.4	50.4	111.5	53.3	107.5	18.0	99.1	1.4	-	-
	62	111.6	67.8	105.0	63.9	99.0	56.7	97.5	31.0	93.1	1.6	84.7	1.3	115.5	70.5	109.3	66.8	103.6	58.1	102.1	32.7	98.1	2.0	89.9	4.7
	57	111.5	68.2	104.9	64.3	98.6	60.5	91.4	56.2	88.5	38.3	84.4	11.0	115.6	71.0	109.1	67.1	102.7	63.3	96.5	59.5	92.9	40.1	89.3	13.0
7875	77	128.2	4.7	123.0	3.9	113.3	1.3	-	-	-	-	-	-	134.3	6.4	128.9	1.1	119.3	1.7	-	-	-	-	-	-
	72	119.9	47.0	118.5	47.8	112.9	60.2	103.4	1.4	-	-	-	-	125.9	49.2	123.8	48.3	118.6	63.2	109.2	2.2	-	-	-	-
	67	115.9	68.8	110.2	55.7	108.7	60.7	103.1	21.7	94.0	1.2	-	-	120.3	71.7	115.5	57.4	113.6	63.6	108.7	22.7	99.5	1.4	-	-
	62	115.9	69.3	108.4	64.7	102.2	61.1	99.2	35.3	94.1	1.1	85.1	2.7	119.6	71.6	113.5	68.2	106.6	64.1	104.1	37.0	99.3	2.1	90.2	5.0
	57	115.8	69.7	109.0	65.6	102.2	61.5	95.5	57.4	90.2	42.3	85.2	11.8	120.2	72.6	113.3	68.5	106.5	64.5	99.7	60.3	94.9	44.2	90.1	13.9
8750	77	130.4	6.5	123.9	1.1	113.7	1.4	-	-	-	-	-	-	136.0	16.3	129.9	1.7	119.8	0.9	-	-	-	-	-	-
	72	122.6	53.5	120.1	58.9	113.8	60.3	103.7	1.6	-	-	-	-	127.6	55.0	125.4	58.4	119.5	63.4	109.5	2.4	-	-	-	-
	67	119.6	69.5	112.6	61.8	109.7	60.8	104.0	26.1	94.3	1.2	-	-	124.4	72.6	117.5	63.4	115.4	63.9	109.5	27.3	99.8	1.6	-	-
	62	119.6	69.9	111.3	64.9	105.2	61.3	100.8	38.8	94.7	1.4	85.3	3.7	124.2	73.1	117.0	68.9	109.7	64.5	105.7	40.7	99.9	2.7	90.4	6.6
	57	119.6	70.4	112.3	66.1	105.3	61.9	98.2	57.5	91.6	46.0	85.7	12.3	124.4	73.7	116.9	69.3	109.7	65.0	102.7	60.6	96.0	48.2	90.7	14.4

Table 32: KE18 hot gas reheat capacity performance (65°F to 55°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
		65 (°F)												55 (°F)											
4375	77	124.0	1.2	122.5	1.7	119.1	1.1	-	-	-	-	-	-	127.4	1.0	126.2	1.1	123.3	1.9	-	-	-	-	-	-
	72	113.7	20.5	113.9	15.9	112.2	14.4	109.3	1.4	-	-	-	-	117.9	22.1	117.4	17.1	116.1	14.9	113.3	4.0	-	-	-	-
	67	105.1	44.7	104.9	28.6	104.4	22.7	103.1	8.8	99.9	1.1	-	-	108.4	45.8	108.8	30.0	107.7	23.5	106.7	9.6	104.0	1.4	-	-
	62	98.6	62.3	95.2	51.6	95.9	35.8	95.4	19.3	94.1	0.8	91.1	1.5	101.4	64.3	98.3	52.6	99.3	37.1	98.8	20.6	97.6	2.0	94.9	3.7
	57	98.6	62.6	93.3	59.5	88.2	56.6	87.1	42.5	86.7	25.8	85.6	5.9	101.7	64.8	96.1	61.5	91.2	58.6	90.4	44.0	90.2	27.4	89.0	10.3
5250	77	129.4	1.9	127.4	1.0	121.8	1.3	-	-	-	-	-	-	132.6	3.3	130.0	1.0	126.2	1.7	-	-	-	-	-	-
	72	120.2	28.7	118.8	21.2	117.0	23.7	111.9	1.8	-	-	-	-	124.1	30.0	122.9	22.2	120.9	23.6	116.3	4.5	-	-	-	-
	67	110.8	55.6	110.2	36.5	109.4	32.3	107.3	11.8	102.3	1.3	-	-	114.4	56.9	113.9	37.8	113.1	32.8	111.2	12.7	106.6	1.8	-	-
	62	106.9	67.0	101.6	63.1	100.9	44.2	100.2	24.6	98.1	1.7	93.2	3.5	110.1	69.2	104.5	64.3	104.3	45.4	103.7	25.8	102.0	3.0	97.4	6.0
	57	106.9	67.4	101.3	64.1	95.2	60.5	92.0	51.2	91.4	31.4	89.5	11.2	108.9	68.7	104.3	66.2	99.0	62.9	95.7	52.7	94.8	32.8	93.3	12.7
6125	77	133.6	4.3	130.3	1.5	123.3	0.9	-	-	-	-	-	-	136.8	6.0	134.1	2.3	127.8	2.6	-	-	-	-	-	-
	72	124.8	36.3	123.1	29.7	120.1	34.9	113.1	2.6	-	-	-	-	127.9	37.3	126.9	30.1	124.3	35.8	117.6	5.6	-	-	-	-
	67	114.9	65.9	114.2	44.6	113.2	42.7	110.3	14.8	103.4	1.6	-	-	118.3	67.1	117.8	45.6	116.7	43.8	114.3	15.7	107.9	1.2	-	-
	62	113.8	70.6	107.6	67.0	104.8	52.2	103.6	29.5	101.0	2.6	94.2	5.6	117.0	72.6	110.6	68.9	108.3	53.5	107.4	30.9	104.9	4.2	98.5	8.5
	57	113.6	70.8	107.4	67.3	101.6	63.8	95.9	59.2	94.7	36.8	92.0	13.2	117.2	73.3	110.7	69.4	104.0	65.4	99.0	60.7	98.1	38.1	95.9	14.7
7000	77	136.6	6.9	132.6	1.2	124.2	1.4	-	-	-	-	-	-	139.7	8.8	136.4	3.6	128.7	3.2	-	-	-	-	-	-
	72	127.7	43.7	126.0	38.9	122.1	49.0	113.9	3.3	-	-	-	-	131.4	45.1	129.7	39.5	126.3	49.1	118.4	6.8	-	-	-	-
	67	119.6	72.6	117.6	51.9	116.0	54.0	112.3	18.8	104.1	1.5	-	-	122.4	74.7	121.2	53.0	119.8	54.7	116.3	19.7	108.6	1.5	-	-
	62	119.5	73.1	112.9	69.3	107.6	59.6	106.3	34.2	102.7	2.4	94.8	5.2	121.3	74.6	115.6	71.1	111.2	61.0	110.0	35.6	106.9	5.2	99.1	10.7
	57	119.3	73.4	112.8	69.6	106.4	65.8	100.0	61.9	97.1	41.7	93.7	14.8	122.5	75.6	116.0	71.8	109.6	68.1	103.2	64.2	100.8	43.1	97.7	16.4
7875	77	138.9	9.4	134.0	2.0	124.7	1.7	-	-	-	-	-	-	142.2	11.5	138.1	4.5	129.4	3.7	-	-	-	-	-	-
	72	129.8	50.2	128.3	48.2	123.6	65.9	114.4	3.8	-	-	-	-	133.9	51.7	131.9	48.9	127.9	66.5	119.0	7.1	-	-	-	-
	67	124.2	74.3	120.1	58.4	118.2	66.3	113.6	23.6	104.5	1.8	-	-	127.3	76.4	123.7	59.8	122.0	67.4	117.8	24.4	109.0	1.5	-	-
	62	124.1	74.7	117.1	70.7	110.7	66.8	108.8	38.6	104.0	3.5	94.9	7.8	127.2	76.9	120.6	73.1	113.9	68.3	112.3	39.9	108.2	5.3	99.5	11.2
	57	123.9	75.1	117.1	71.2	110.5	67.2	103.6	63.0	99.0	45.8	94.8	15.8	127.5	77.4	120.3	73.3	113.8	69.3	106.9	65.2	102.7	47.4	98.8	17.5
8750	77	140.9	17.6	135.2	2.1	125.2	1.9	-	-	-	-	-	-	144.3	19.0	139.4	3.9	129.8	3.6	-	-	-	-	-	-
	72	132.4	56.4	130.1	59.2	124.6	5.5	114.6	3.9	-	-	-	-	135.5	57.5	133.4	60.6	129.0	68.6	119.3	7.4	-	-	-	-
	67	128.0	75.0	121.9	65.0	120.0	66.4	114.5	28.4	104.8	1.1	-	-	131.4	77.2	125.1	66.7	123.5	69.0	118.8	29.4	109.3	1.8	-	-
	62	128.1	75.7	120.9	71.5	113.6	67.0	110.0	42.3	104.8	4.3	95.4	9.6	132.6	78.5	123.9	73.5	117.1	69.4	113.8	43.9	109.1	6.1	99.7	12.8
	57	128.1	76.1	120.5	71.7	113.7	67.6	106.5	63.2	100.6	49.6	95.4	16.3	131.2	78.2	124.3	74.3	117.1	69.8	109.9	65.6	103.8	50.9	99.6	18.1

BHC Residential & Light Commercial LLC

Table 33: KE18 hot gas reheat capacity performance (45°F to 35°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
		45 (°F)												35 (°F)											
4375	77	129.9	2.1	128.6	1.2	126.3	2.8	-	-	-	-	-	-	132.5	3.9	131.2	3.8	128.8	3.9	-	-	-	-	-	-
	72	119.4	22.7	119.7	17.4	118.6	15.1	116.4	5.0	-	-	-	-	122.7	23.8	122.2	18.0	121.0	16.0	119.1	76.6	-	-	-	-
	67	111.2	46.9	111.1	30.8	110.6	24.0	109.6	10.4	107.4	1.1	-	-	113.2	47.8	112.8	31.5	112.5	25.0	111.7	11.0	109.6	1.0	-	-
	62	103.8	65.8	102.4	54.6	101.6	38.1	101.6	21.7	100.7	3.7	98.3	1.4	108.5	66.6	103.9	55.3	104.0	39.2	103.7	22.6	102.7	5.5	100.8	1.8
	57	103.8	66.2	98.7	63.2	93.7	60.3	93.2	45.1	93.0	28.4	92.0	11.5	105.2	67.1	101.0	64.8	95.4	61.5	95.7	46.3	95.3	29.5	94.6	12.6
5250	77	135.5	5.0	133.8	2.6	129.6	3.2	-	-	-	-	-	-	138.4	7.4	136.3	3.6	132.4	4.1	-	-	-	-	-	-
	72	125.6	30.5	125.2	22.9	123.6	23.5	119.6	5.4	-	-	-	-	126.8	30.7	127.7	23.7	126.0	24.8	122.4	8.7	-	-	-	-
	67	116.6	57.7	116.1	38.7	115.5	33.0	114.1	12.3	110.3	1.6	-	-	118.8	58.7	118.4	39.6	117.8	34.3	116.3	14.2	112.9	1.2	-	-
	62	112.4	70.7	107.3	65.5	106.7	46.2	104.8	25.8	105.2	5.0	101.1	1.3	115.9	71.8	109.1	66.2	109.0	47.3	108.6	27.9	107.3	4.3	103.9	1.8
	57	111.6	70.5	106.8	67.8	101.3	64.6	98.5	53.8	97.9	34.1	96.6	14.1	114.2	71.9	108.3	68.8	102.5	65.4	100.6	54.9	100.0	35.1	98.6	15.0
6125	77	139.8	8.2	137.1	4.2	131.4	1.0	-	-	-	-	-	-	142.4	13.9	139.8	7.7	134.2	5.2	-	-	-	-	-	-
	72	129.3	37.9	129.2	30.7	126.9	35.7	121.2	6.3	-	-	-	-	132.6	38.9	131.4	31.3	129.4	35.8	124.2	9.4	-	-	-	-
	67	120.6	67.9	120.2	46.6	119.3	44.2	117.2	16.5	111.6	2.1	-	-	122.8	68.7	122.5	47.4	120.8	44.5	119.6	17.3	114.7	1.0	-	-
	62	118.7	73.9	113.0	70.6	111.2	54.7	110.3	32.0	108.2	6.4	102.4	1.3	120.8	75.2	114.9	71.9	113.0	55.5	112.1	32.9	110.4	8.6	105.4	1.8
	57	117.7	73.6	113.1	71.0	107.2	67.7	101.9	62.0	101.4	39.4	99.2	16.0	120.3	75.3	114.9	72.3	109.3	69.1	103.8	62.8	103.5	40.5	101.6	17.2
7000	77	142.9	11.3	139.6	5.7	132.5	1.0	-	-	-	-	-	-	145.6	13.9	142.3	9.6	135.4	7.0	-	-	-	-	-	-
	72	133.5	45.7	132.2	40.2	129.4	48.9	122.2	7.6	-	-	-	-	135.8	46.5	134.7	40.7	131.5	48.3	125.1	10.4	-	-	-	-
	67	124.5	76.1	123.7	54.1	121.7	55.0	119.4	20.4	112.4	2.6	-	-	126.9	78.3	125.9	55.0	124.7	54.9	122.0	21.3	115.5	1.0	-	-
	62	124.5	76.4	118.2	72.9	114.1	62.0	113.0	36.7	110.1	7.5	103.0	1.3	126.8	78.1	120.2	74.3	115.5	62.4	115.0	37.8	112.6	9.6	106.1	0.9
	57	124.4	76.9	118.1	73.3	112.2	69.8	106.1	66.2	104.0	44.3	101.1	17.7	126.6	78.3	120.1	74.5	113.9	71.0	107.6	67.1	105.9	45.3	103.8	19.0
7875	77	145.3	14.1	141.4	6.5	133.1	1.1	-	-	-	-	-	-	148.1	17.0	144.1	10.3	136.2	10.3	-	-	-	-	-	-
	72	136.3	52.7	134.6	49.5	131.0	65.7	122.8	8.1	-	-	-	-	138.7	53.4	137.2	50.1	133.7	64.8	125.8	11.2	-	-	-	-
	67	129.7	77.9	126.2	60.6	124.9	67.4	121.3	25.2	112.9	2.5	-	-	131.6	79.4	127.8	61.6	126.9	67.2	123.7	26.1	115.9	3.6	-	-
	62	129.5	78.3	122.5	74.3	116.5	69.2	115.1	41.1	111.7	7.6	103.3	1.0	132.2	80.2	124.7	75.7	118.5	69.7	117.3	42.1	114.3	10.0	106.5	1.8
	57	129.0	78.4	122.1	74.3	116.1	70.9	109.8	67.2	106.0	48.9	102.5	19.0	131.6	80.3	124.5	76.1	118.1	72.3	110.7	68.0	108.2	49.9	105.2	20.6
8750	77	147.3	20.0	142.7	5.9	133.7	1.2	-	-	-	-	-	-	149.9	20.6	145.4	87.7	136.7	12.6	-	-	-	-	-	-
	72	138.5	58.7	136.6	59.8	132.4	70.2	123.2	7.5	-	-	-	-	140.9	59.4	139.1	60.5	134.9	70.2	126.3	10.4	-	-	-	-
	67	133.6	78.7	127.1	67.0	126.4	70.7	122.2	30.4	113.2	2.8	-	-	135.6	80.0	130.2	68.1	128.8	71.0	124.8	31.1	116.4	4.0	-	-
	62	133.3	79.4	126.4	75.1	119.5	71.2	117.0	45.2	112.7	8.5	103.6	16.8	135.5	80.6	128.4	76.5	121.1	71.9	119.1	46.3	115.3	10.8	106.8	1.6
	57	133.4	79.7	126.2	75.4	119.9	71.7	112.6	67.3	107.8	52.9	103.3	19.8	135.7	81.3	128.3	77.0	121.4	72.8	114.6	68.7	109.9	53.7	106.1	21.2

KE20 hot gas reheat capacity performance

Table 34: KE20 hot gas reheat capacity performance (85°F to 75°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
		85 (°F)												75 (°F)											
5000	77	157.7	5.1	156.2	1.0	153.7	1.3	-	-	-	-	-	-	163.9	6.6	162.4	1.3	160.2	1.7	-	-	-	-	-	-
	72	145.8	26.9	145.0	20.1	143.8	17.8	141.3	1.1	-	-	-	-	150.3	28.1	150.5	21.5	149.3	18.4	147.3	1.4	-	-	-	-
	67	134.3	50.5	133.1	34.1	132.9	27.2	131.7	12.9	129.5	1.0	-	-	139.3	51.9	138.9	35.9	137.5	28.2	137.0	14.2	135.2	1.0	-	-
	62	123.9	69.0	123.2	57.6	122.7	41.5	121.9	24.9	120.8	1.2	118.6	1.4	128.0	71.3	129.0	59.8	127.5	43.1	126.2	26.3	125.8	1.1	123.9	1.1
	57	123.8	69.2	117.9	66.2	112.1	63.2	112.0	48.2	111.5	31.5	110.5	3.5	127.1	71.2	122.2	68.8	116.5	65.9	115.2	48.9	116.2	33.2	115.2	5.2
6000	77	164.6	1.1	162.6	1.6	158.0	1.7	-	-	-	-	-	-	171.2	1.8	169.2	1.1	165.0	1.0	-	-	-	-	-	-
	72	152.8	34.4	151.7	26.0	149.5	26.9	145.4	1.2	-	-	-	-	158.6	35.9	157.6	27.3	155.6	27.9	152.0	1.8	-	-	-	-
	67	140.6	60.9	140.4	42.2	139.4	36.6	137.5	16.0	133.6	1.0	-	-	146.4	62.6	145.8	43.7	145.0	37.8	143.1	17.3	139.7	1.1	-	-
	62	134.0	73.8	129.1	68.6	128.9	49.7	127.8	30.0	126.1	1.1	122.5	1.0	138.4	76.4	134.1	69.9	134.0	51.3	133.1	31.8	131.5	1.6	128.2	1.2
	57	133.0	73.5	127.2	70.7	120.9	67.5	117.8	56.4	117.3	37.0	115.7	5.9	138.4	76.8	131.6	73.4	124.7	69.7	123.1	58.3	122.1	38.7	120.6	7.9
7000	77	169.9	1.4	166.7	1.5	160.4	1.0	-	-	-	-	-	-	176.4	2.6	173.7	2.4	167.9	1.3	-	-	-	-	-	-
	72	158.2	41.8	156.1	33.7	153.8	38.0	147.7	1.6	-	-	-	-	163.0	42.8	162.8	34.8	160.1	39.6	154.6	1.3	-	-	-	-
	67	145.9	70.8	145.3	49.8	143.9	46.6	141.4	19.1	135.6	1.0	-	-	151.6	72.5	151.8	51.6	149.9	48.4	147.5	20.4	142.2	1.2	-	-
	62	142.2	77.4	135.1	73.7	133.2	57.2	132.4	35.0	130.0	1.4	124.5	1.8	147.1	80.3	139.8	76.5	139.0	59.1	137.9	36.7	135.5	1.3	130.5	2.9
	57	141.7	77.5	134.8	74.0	127.7	70.3	122.0	64.5	121.6	42.1	119.1	8.2	146.6	80.4	139.5	76.8	131.0	72.2	127.3	66.1	126.7	43.9	124.4	20.9
8000	77	173.7	2.7	169.9	2.7	161.8	1.1	-	-	-	-	-	-	180.3	5.0	177.2	1.1	169.4	1.5	-	-	-	-	-	-
	72	162.2	48.9	160.4	42.3	157.1	51.6	149.0	1.1	-	-	-	-	168.5	50.4	166.7	42.8	163.5	50.4	156.0	1.8	-	-	-	-
	67	150.0	79.4	149.6	56.7	147.4	57.6	144.5	22.7	136.8	1.1	-	-	155.6	81.8	154.3	58.1	153.9	57.6	150.8	23.4	143.6	1.4	-	-
	62	149.8	80.3	142.0	76.2	137.2	64.4	135.8	39.4	132.8	1.6	125.5	1.3	154.4	82.9	146.2	78.8	142.5	65.9	141.4	41.1	138.8	2.0	131.7	4.7
	57	149.2	80.4	141.2	76.3	133.0	71.9	126.2	68.4	124.7	46.8	121.9	20.8	154.3	83.3	146.4	79.4	138.7	75.4	130.9	72.1	129.4	48.5	127.4	22.6
9000	77	177.2	4.7	172.3	3.9	162.8	1.3	-	-	-	-	-	-	184.0	6.4	180.0	1.1	170.5	1.7	-	-	-	-	-	-
	72	165.6	55.0	163.4	51.2	159.2	68.0	149.8	1.4	-	-	-	-	172.1	56.7	170.1	52.0	166.1	67.6	157.0	2.2	-	-	-	-
	67	154.1	80.4	152.4	62.9	150.5	69.8	146.6	27.1	137.6	1.2	-	-	160.6	84.1	158.5	64.6	156.6	70.5	153.1	28.2	144.3	1.4	-	-
	62	155.3	81.6	147.0	77.3	140.0	71.6	138.6	43.3	134.8	1.1	126.0	2.7	160.2	84.4	152.1	80.3	145.3	73.5	144.4	45.2	140.9	2.1	132.4	5.0
	57	154.4	81.7	146.5	77.7	138.8	73.5	130.8	69.4	127.2	50.7	123.7	21.7	160.7	85.2	152.0	80.9	143.9	76.7	135.7	72.3	131.8	52.1	129.4	23.7
10000	77	179.3	6.5	174.0	1.1	163.5	1.4	-	-	-	-	-	-	186.5	24.0	181.7	1.7	171.5	0.9	-	-	-	-	-	-
	72	167.9	60.2	165.8	60.8	161.0	72.2	150.4	1.6	-	-	-	-	174.9	62.1	172.4	61.7	167.7	76.9	157.7	2.4	-	-	-	-
	67	159.4	81.1	155.2	68.8	153.1	72.9	148.1	30.4	138.0	1.2	-	-	165.9	85.1	160.9	70.7	159.2	77.0	154.8	32.7	144.9	1.6	-	-
	62	159.7	82.0	151.6	77.9	143.1	73.5	140.8	45.9	136.2	1.4	126.5	3.7	164.5	84.8	156.9	81.0	148.3	77.1	146.9	48.7	142.6	2.7	132.9	6.6
	57	160.0	82.8	151.5	78.4	143.4	74.1	134.6	69.5	129.2	54.0	125.0	22.1	165.7	86.1	156.7	81.5	148.3	77.1	139.7	72.6	134.7	56.0	130.9	24.2

Table 35: KE20 hot gas reheat capacity performance (65°F to 55°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
		65 (°F)												55 (°F)											
5000	77	169.3	1.2	167.9	1.7	166.1	1.1	-	-	-	-	-	-	173.7	1.0	172.5	1.1	171.1	1.9	-	-	-	-	-	-
	72	156.2	29.7	155.5	22.9	154.2	19.4	152.6	1.4	-	-	-	-	160.0	30.7	159.8	23.8	158.7	20.9	157.2	4.0	-	-	-	-
	67	143.8	53.4	143.6	37.3	142.6	29.4	141.9	15.3	140.1	1.1	-	-	145.3	53.2	147.3	38.4	146.5	30.9	145.8	16.4	144.2	1.4	-	-
	62	131.2	73.9	132.1	60.8	131.8	44.5	131.2	28.0	130.3	1.8	128.5	1.5	135.0	75.8	135.7	62.0	135.6	45.9	134.8	29.3	133.8	2.0	132.1	3.7
	57	131.3	73.7	124.4	70.1	120.5	67.5	120.5	51.3	120.1	34.6	119.1	5.9	133.3	74.9	128.1	72.4	122.4	68.1	123.6	52.4	123.3	35.8	122.6	19.1
6000	77	176.8	1.9	175.0	1.0	171.5	1.3	-	-	-	-	-	-	181.3	3.3	179.8	1.0	176.9	1.7	-	-	-	-	-	-
	72	164.0	37.3	162.5	28.5	161.0	28.2	157.8	1.8	-	-	-	-	168.4	38.5	167.3	29.4	165.6	28.7	162.8	4.5	-	-	-	-
	67	150.7	64.0	150.9	45.2	150.0	38.6	148.0	18.6	145.1	1.3	-	-	155.2	65.3	154.8	46.3	153.0	39.3	152.4	19.4	149.8	1.8	-	-
	62	142.1	78.7	138.7	71.7	138.5	52.8	137.7	33.3	136.1	1.7	133.3	3.5	146.1	81.0	142.4	73.0	142.2	53.9	141.4	34.4	140.0	3.0	137.4	6.0
	57	142.2	79.0	135.3	75.5	128.6	72.2	127.2	59.7	126.6	40.3	125.0	20.4	145.3	81.0	138.6	77.4	131.6	74.0	130.6	61.0	129.7	41.3	128.6	21.7
7000	77	182.1	4.3	180.5	1.5	174.5	0.9	-	-	-	-	-	-	187.0	6.0	184.8	2.3	180.0	2.6	-	-	-	-	-	-
	72	169.7	44.7	168.3	35.1	165.8	39.2	160.8	2.6	-	-	-	-	174.3	46.0	172.8	36.0	170.8	39.2	166.0	5.6	-	-	-	-
	67	156.4	73.9	156.3	52.9	155.0	48.7	152.9	21.6	147.9	1.6	-	-	161.0	75.5	160.6	54.1	159.6	49.2	157.3	22.5	152.8	1.2	-	-
	62	150.4	82.3	144.1	79.7	143.6	60.5	142.8	38.3	140.6	2.6	135.9	5.6	154.5	84.7	147.7	81.4	147.1	61.8	146.6	39.4	144.7	4.2	140.4	8.5
	57	151.2	83.1	143.8	79.4	136.0	75.3	131.8	67.8	130.9	45.3	129.1	22.5	154.8	85.3	145.9	80.5	139.7	77.5	135.5	69.1	134.7	46.7	132.8	23.8
8000	77	186.9	6.9	183.6	1.2	176.3	1.4	-	-	-	-	-	-	191.6	8.8	188.5	3.6	182.1	3.2	-	-	-	-	-	-
	72	174.3	51.9	172.6	44.1	169.6	50.9	162.4	3.3	-	-	-	-	178.9	53.2	177.2	45.4	174.6	51.0	168.0	6.8	-	-	-	-
	67	160.6	83.5	160.7	60.0	159.3	58.6	156.3	24.6	149.5	1.5	-	-	165.5	85.0	165.1	61.3	163.7	59.2	161.0	25.8	154.6	1.5	-	-
	62	157.3	84.7	150.8	81.6	147.6	67.6	146.4	42.7	144.0	2.4	137.3	5.2	162.6	87.8	152.7	82.6	151.7	68.8	150.8	44.2	148.1	5.2	142.0	10.7
	57	157.7	85.3	150.7	82.0	142.9	77.9	135.4	74.1	134.6	50.3	132.3	24.3	162.5	88.3	154.3	84.0	146.5	80.0	139.1	75.7	138.5	51.6	136.0	25.5
9000	77	190.4	9.4	186.4	2.0	177.5	1.7	-	-	-	-	-	-	194.9	11.5	191.6	4.5	183.5	3.7	-	-	-	-	-	-
	72	176.6	58.0	176.0	52.7	172.2	67.9	163.2	3.8	-	-	-	-	180.6	58.9	180.8	53.5	177.3	66.3	169.1	7.1	-	-	-	-
	67	165.2	86.9	164.2	66.0	162.3	71.5	158.9	29.2	150.4	1.8	-	-	169.0	89.8	168.5	67.5	166.8	71.0	163.7	30.0	155.3	1.5	-	-
	62	165.4	87.6	156.2	82.7	150.9	75.3	149.5	46.8	146.0	3.5	138.1	7.8	169.0	89.7	160.2	85.2	155.0	76.0	153.7	48.1	150.7	5.3	142.8	11.2
	57	165.1	88.0	156.7	83.6	148.3	79.3	140.0	74.9	137.1	54.2	134.4	25.4	169.5	90.5	160.2	85.7	151.9	81.4	143.6	77.0	141.3	55.6	138.5	26.9
10000	77	193.1	25.6	188.5	2.1	178.3	1.9	-	-	-	-	-	-	197.5	26.8	193.9	3.9	184.5	3.6	-	-	-	-	-	-
	72	180.8	63.7	178.8	62.5	174.2	5.5	164.3	3.9	-	-	-	-	185.1	64.9	183.3	63.5	179.6	79.3	170.0	7.4	-	-	-	-
	67	170.7	87.8	166.6	72.4	164.7	78.4	160.8	33.6	151.1	1.1	-	-	173.3	89.1	169.9	73.8	169.4	80.2	165.8	34.5	156.3	1.8	-	-
	62	170.8	88.4	161.8	83.8	153.5	79.1	152.1	50.3	148.1	4.3	138.6	9.6	173.3	90.0	165.1	85.8	157.5	81.1	156.4	51.7	152.7	6.1	143.4	12.8
	57	170.4	88.8	161.6	84.4	152.8	79.8	144.2	75.2	139.5	57.5	136.1	26.0	174.7	91.2	165.5	86.6	156.7	82.0	147.8	77.4	143.8	59.0	140.3	27.5

Table 36: KE20 hot gas reheat capacity performance (45°F to 35°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
		45 (°F)												35 (°F)											
5000	77	176.0	2.1	175.3	1.2	174.0	2.8	-	-	-	-	-	-	178.7	3.9	177.8	3.8	176.7	3.9	-	-	-	-	-	-
	72	162.8	31.6	162.3	24.5	161.6	20.2	160.2	5.0	-	-	-	-	164.3	32.1	163.6	24.7	161.8	20.7	161.7	76.6	-	-	-	-
	67	150.4	55.4	150.0	39.2	149.5	30.5	148.6	17.0	147.2	1.1	-	-	151.2	55.8	150.5	39.5	149.8	31.1	149.4	17.7	148.2	1.0	-	-
	62	137.4	76.8	138.2	62.9	137.0	46.1	137.2	30.1	136.6	3.7	134.7	1.4	108.5	77.3	138.7	63.2	137.9	46.7	138.3	30.7	137.4	5.5	135.9	1.8
	57	136.7	76.9	128.5	72.6	126.1	69.7	126.0	53.3	125.6	36.7	124.9	20.0	137.3	77.3	131.0	74.0	126.9	70.1	126.1	53.2	126.7	37.1	126.1	20.5
6000	77	184.4	5.0	182.5	2.6	180.4	3.2	-	-	-	-	-	-	187.4	7.4	185.5	3.6	183.3	4.1	-	-	-	-	-	-
	72	170.7	39.2	169.2	29.9	168.5	29.0	166.1	5.4	-	-	-	-	173.0	39.9	171.8	30.7	170.4	29.1	168.1	8.7	-	-	-	-
	67	158.1	66.3	157.7	47.1	156.9	39.9	155.3	20.2	152.9	1.6	-	-	159.0	66.8	158.8	47.7	157.7	40.0	156.5	19.9	154.3	1.2	-	-
	62	147.7	82.0	146.2	74.2	144.9	54.8	144.1	35.4	142.8	5.0	140.4	1.3	115.9	82.3	145.8	74.1	145.4	55.1	143.8	35.3	143.8	4.3	141.6	1.8
	57	147.4	82.2	140.8	78.9	133.9	75.4	133.0	61.9	132.4	42.4	131.1	22.6	114.2	82.7	141.1	79.0	134.8	75.8	134.0	62.4	133.4	42.7	132.3	23.1
7000	77	190.2	8.2	188.3	4.2	184.2	1.0	-	-	-	-	-	-	193.7	13.9	191.3	7.7	187.3	131.2	-	-	-	-	-	-
	72	176.5	46.6	175.8	36.8	173.6	39.9	169.6	6.3	-	-	-	-	179.0	47.3	178.0	37.3	175.5	40.1	172.1	9.4	-	-	-	-
	67	163.8	76.3	162.8	54.7	162.0	50.1	160.3	23.3	156.4	2.1	-	-	164.8	76.8	164.6	55.5	163.6	50.3	161.6	23.8	158.1	1.0	-	-
	62	157.1	86.2	149.7	81.4	150.4	62.8	149.5	40.4	147.5	6.4	143.6	1.3	157.9	86.6	150.5	82.7	150.4	63.0	150.3	40.8	148.5	8.6	145.3	1.8
	57	156.8	86.4	149.4	82.6	141.6	78.8	137.8	70.0	137.4	47.7	135.5	24.8	157.9	87.1	150.2	83.1	142.4	79.1	138.4	70.1	138.0	48.0	136.7	25.3
8000	77	195.1	11.3	192.4	5.7	186.5	1.0	-	-	-	-	-	-	198.6	13.9	195.8	9.6	189.8	7.0	-	-	-	-	-	-
	72	181.4	53.8	180.1	45.4	177.3	51.4	171.7	7.6	-	-	-	-	182.8	54.1	182.7	46.1	179.9	51.7	174.6	10.4	-	-	-	-
	67	166.7	85.0	167.5	62.2	166.6	59.9	163.5	26.3	158.3	2.6	-	-	169.8	86.8	169.3	62.8	168.1	60.3	165.3	27.1	160.4	1.0	-	-
	62	166.2	90.0	156.8	85.1	154.6	69.8	153.6	45.1	151.2	7.5	145.4	1.3	165.9	89.8	157.5	85.4	155.2	70.2	154.2	45.5	152.3	9.6	147.1	0.9
	57	164.6	89.5	156.8	85.6	148.6	81.3	141.7	77.1	141.2	52.5	138.8	26.6	165.9	90.3	157.5	85.9	149.5	81.9	140.8	76.2	141.9	53.0	140.1	27.1
9000	77	199.1	14.1	195.6	6.5	188.2	1.1	-	-	-	-	-	-	202.4	17.0	199.0	10.3	191.7	105.3	-	-	-	-	-	-
	72	185.5	60.7	183.6	53.5	180.8	66.5	173.3	8.1	-	-	-	-	188.2	61.4	186.3	54.6	183.3	67.6	176.2	11.2	-	-	-	-
	67	172.0	91.4	170.3	68.1	169.8	71.6	166.8	30.4	159.5	2.5	-	-	173.7	92.2	172.2	69.1	171.5	72.5	168.4	31.5	161.5	3.6	-	-
	62	171.3	91.0	162.7	86.7	157.8	77.1	156.7	49.1	153.9	7.6	146.4	1.0	171.6	91.2	163.8	87.3	158.7	77.7	157.7	49.9	155.1	10.0	148.3	1.8
	57	171.2	91.4	162.3	87.0	154.5	83.0	147.3	79.3	144.2	56.8	141.4	27.9	173.1	92.6	163.7	87.7	155.0	83.3	146.7	78.9	145.4	57.4	142.5	28.4
10000	77	202.0	27.9	198.1	5.9	189.2	1.2	-	-	-	-	-	-	205.6	28.6	201.6	87.7	192.8	12.6	-	-	-	-	-	-
	72	188.2	66.1	186.5	63.6	183.1	81.0	174.3	7.5	-	-	-	-	190.9	66.8	189.3	64.0	185.8	81.9	177.2	10.4	-	-	-	-
	67	177.0	91.4	174.0	74.6	172.3	81.9	169.0	35.3	160.2	2.8	-	-	179.1	92.7	175.8	75.3	174.2	82.4	170.8	36.0	162.6	4.0	-	-
	62	176.2	91.8	168.0	87.5	160.2	82.7	159.4	52.8	156.0	8.5	147.0	16.8	179.0	93.3	169.4	88.5	161.7	83.0	160.5	53.4	157.1	10.8	149.0	1.6
	57	177.1	92.8	167.8	88.1	159.3	83.6	150.4	78.9	146.7	60.2	143.4	28.6	178.9	93.8	169.0	88.8	159.2	83.6	151.2	79.4	147.4	60.6	144.4	29.2

KE23 hot gas reheat capacity performance

Table 37: KE23 hot gas reheat capacity performance (85°F to 75°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
		85 (°F)												75 (°F)											
5750	77	186.1	5.3	184.4	1.8	181.9	1.5	-	-	-	-	-	-	192.2	7.4	191.3	3.8	189.2	1.2	-	-	-	-	-	-
	72	172.4	28.8	171.1	21.9	169.5	18.6	167.3	1.4	-	-	-	-	177.1	29.7	177.4	23.3	176.2	19.4	174.1	1.6	-	-	-	-
	67	159.0	52.0	158.3	36.0	157.4	28.3	155.9	14.3	153.5	1.7	-	-	164.5	53.5	164.1	37.6	163.2	29.4	161.8	15.5	159.6	1.3	-	-
	62	146.5	70.9	145.9	59.0	145.4	43.0	144.4	26.6	143.1	6.0	140.8	1.0	150.9	73.1	151.2	60.7	150.7	44.5	149.9	28.2	148.6	9.2	146.6	1.3
	57	146.4	71.1	139.4	68.1	132.9	65.4	132.9	49.5	131.0	32.5	131.2	3.5	150.8	73.4	143.8	70.4	138.6	67.5	138.0	51.1	137.0	34.4	136.3	5.2
6900	77	193.5	8.1	191.1	1.7	186.9	1.6	-	-	-	-	-	-	200.8	11.5	198.7	4.4	194.7	1.2	-	-	-	-	-	-
	72	180.2	35.9	178.8	27.2	175.9	27.4	172.0	1.4	-	-	-	-	186.7	37.3	185.4	28.5	183.1	28.0	179.5	1.7	-	-	-	-
	67	166.5	62.1	165.7	43.4	164.5	37.3	162.4	17.2	158.5	1.8	-	-	172.3	63.5	171.7	44.9	170.9	38.2	168.7	18.5	165.3	1.0	-	-
	62	158.1	75.5	152.6	69.3	152.3	50.8	151.3	31.5	150.5	6.5	145.6	1.2	163.3	78.2	158.3	70.8	157.8	52.2	157.0	33.0	155.1	9.8	151.8	1.6
	57	157.9	75.8	150.1	72.4	142.6	69.0	139.8	57.5	138.9	38.2	137.1	5.9	162.3	78.0	157.7	76.4	147.2	71.4	145.5	59.1	144.4	39.8	142.5	7.9
8050	77	199.3	10.6	196.0	2.0	189.9	1.0	-	-	-	-	-	-	207.0	14.2	203.9	4.8	198.2	1.3	-	-	-	-	-	-
	72	185.5	42.6	184.2	34.1	181.7	38.0	175.4	1.4	-	-	-	-	192.7	44.2	191.0	34.6	188.4	39.3	183.0	1.7	-	-	-	-
	67	172.2	71.3	171.3	50.6	169.8	46.9	167.0	19.8	161.5	1.9	-	-	178.4	73.0	177.7	52.1	176.4	48.4	173.7	21.1	168.5	1.1	-	-
	62	167.4	78.6	159.1	75.1	157.7	58.0	156.3	35.8	153.6	6.6	148.2	1.2	172.8	81.5	164.4	78.5	163.4	59.6	162.3	37.5	160.0	9.9	155.0	1.1
	57	168.2	79.7	159.0	75.4	150.5	71.6	144.3	64.7	143.0	42.6	141.2	8.2	172.8	81.8	164.0	78.0	153.9	73.4	150.2	66.5	149.2	44.5	147.0	21.9
9200	77	203.5	12.7	199.5	2.1	191.6	1.1	-	-	-	-	-	-	211.4	16.5	207.6	4.8	200.3	1.3	-	-	-	-	-	-
	72	189.6	49.0	188.3	41.8	184.6	49.9	177.1	1.5	-	-	-	-	197.3	50.5	195.6	43.2	192.1	50.2	185.1	1.7	-	-	-	-
	67	175.9	79.4	176.2	56.7	174.2	56.6	170.5	22.8	163.1	1.9	-	-	182.6	81.7	182.5	58.6	180.7	57.5	177.4	23.7	170.5	1.1	-	-
	62	173.6	79.9	166.4	76.8	161.6	64.1	160.1	39.7	157.0	6.5	149.7	1.3	180.8	83.5	171.7	79.6	167.6	65.8	166.4	41.5	163.4	9.6	156.7	1.0
	57	175.4	81.3	165.9	77.0	156.3	72.7	148.6	69.3	147.4	47.1	144.4	21.4	180.7	84.0	171.7	80.1	161.6	75.3	154.3	72.5	153.2	48.8	150.3	23.1
10350	77	207.1	12.9	202.3	1.8	193.0	1.0	-	-	-	-	-	-	215.4	18.1	210.6	4.3	201.6	1.3	-	-	-	-	-	-
	72	193.3	54.4	191.6	50.0	187.3	64.7	178.2	1.4	-	-	-	-	200.8	56.3	199.1	50.8	195.3	65.2	186.3	1.7	-	-	-	-
	67	182.0	81.2	178.6	62.3	177.1	67.6	172.0	26.5	164.2	1.8	-	-	187.9	84.2	186.0	63.9	184.0	68.6	180.3	27.8	171.7	1.1	-	-
	62	182.8	82.3	172.3	77.5	164.6	70.7	163.3	43.0	159.9	5.2	150.7	1.3	187.8	84.9	178.2	80.5	171.2	72.3	169.8	44.9	166.0	8.0	157.8	1.5
	57	181.9	82.3	172.3	78.0	162.9	73.8	153.9	69.6	150.3	50.5	146.7	22.0	187.3	85.0	177.2	80.5	167.4	76.2	159.3	72.5	156.1	52.2	152.8	23.7
11500	77	209.8	13.6	204.4	1.4	193.8	1.7	-	-	-	-	-	-	217.9	23.3	212.9	3.5	202.7	1.2	-	-	-	-	-	-
	72	196.9	59.1	193.9	58.4	189.3	71.7	179.0	1.4	-	-	-	-	203.7	59.9	201.9	59.4	197.2	74.9	187.2	1.6	-	-	-	-
	67	187.2	80.9	182.0	67.2	180.0	72.4	175.0	30.9	164.9	1.8	-	-	193.9	84.2	188.8	69.2	186.7	75.4	182.3	31.5	172.5	1.0	-	-
	62	187.7	82.0	177.6	77.4	167.9	73.0	166.4	46.1	161.4	4.4	151.4	1.2	193.7	84.9	183.8	80.6	174.4	76.0	172.5	47.6	168.2	6.9	158.5	1.5
	57	187.6	82.5	177.5	78.0	167.7	73.6	157.8	68.9	152.5	53.1	148.3	21.8	193.7	85.5	183.5	81.1	173.6	76.6	163.9	72.0	158.5	54.8	154.7	23.7

Table 38: KE23 hot gas reheat capacity performance (65°F to 55°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
		65 (°F)												55 (°F)											
5750	77	199.1	11.7	197.6	7.1	195.8	1.4	-	-	-	-	-	-	203.9	15.1	202.7	1.7	201.1	1.7	-	-	-	-	-	-
	72	184.0	31.6	183.0	24.5	181.8	20.2	179.8	1.8	-	-	-	-	190.4	33.3	187.7	25.3	186.4	21.2	184.7	1.1	-	-	-	-
	67	169.5	54.8	169.4	39.0	168.2	30.5	166.8	16.7	165.0	1.7	-	-	173.7	55.9	173.3	40.0	172.3	31.6	171.0	17.5	169.7	4.0	-	-
	62	155.3	75.7	155.7	62.0	154.8	45.8	154.7	29.6	153.5	12.7	151.5	3.4	159.0	77.1	159.8	63.2	159.2	47.1	158.4	30.6	157.2	16.2	155.7	1.5
	57	154.5	75.4	147.6	72.4	142.3	68.9	142.4	52.5	141.2	35.8	140.8	5.9	158.0	77.1	150.7	74.0	146.0	70.1	145.6	53.5	145.2	37.1	144.4	20.6
6900	77	207.4	15.4	205.0	1.1	201.9	1.4	-	-	-	-	-	-	212.9	19.0	210.8	1.1	207.8	1.7	-	-	-	-	-	-
	72	191.4	38.2	191.4	29.4	189.2	28.7	186.1	1.9	-	-	-	-	196.3	39.4	196.2	30.7	194.3	29.1	191.3	1.0	-	-	-	-
	67	177.7	65.1	177.0	46.1	176.2	39.2	174.3	19.6	171.1	1.0	-	-	182.0	66.2	181.7	47.5	180.1	39.9	178.9	20.5	176.1	2.0	-	-
	62	167.4	80.3	163.3	72.3	163.0	53.8	162.0	34.4	160.3	13.1	157.3	2.5	170.7	82.0	167.3	73.4	167.0	54.8	166.1	35.6	164.5	16.8	161.8	1.1
	57	167.2	80.6	158.8	76.9	151.3	73.6	149.4	60.5	148.8	41.2	147.4	21.7	170.4	82.3	161.7	78.4	154.5	75.2	153.1	61.9	152.8	42.4	151.3	22.9
8050	77	213.8	18.5	210.8	1.1	205.8	1.5	-	-	-	-	-	-	219.2	22.1	216.6	1.2	212.2	1.8	-	-	-	-	-	-
	72	198.7	45.5	197.5	35.3	194.8	38.8	189.8	1.9	-	-	-	-	204.0	46.7	202.5	36.6	199.8	39.4	195.4	1.1	-	-	-	-
	67	183.4	73.7	182.7	53.3	182.0	48.7	179.4	22.5	174.8	1.2	-	-	188.7	75.6	188.1	54.6	186.8	49.6	184.4	23.3	180.1	1.2	-	-
	62	177.3	83.9	168.6	80.4	168.5	61.0	167.9	39.1	165.3	13.4	160.8	1.2	181.1	85.6	172.7	81.6	173.0	62.4	172.1	40.2	169.6	16.9	165.6	3.4
	57	177.2	84.1	168.2	80.3	160.0	76.6	154.7	68.0	154.1	46.0	151.9	23.4	181.5	86.5	172.0	82.2	163.7	78.4	159.2	69.4	158.0	47.1	156.1	24.7
9200	77	218.5	20.6	214.8	1.1	208.1	1.5	-	-	-	-	-	-	223.8	24.4	220.8	1.2	214.7	1.8	-	-	-	-	-	-
	72	204.1	52.1	202.1	44.1	198.7	49.0	192.2	0.9	-	-	-	-	208.9	53.1	207.4	44.7	204.4	50.0	198.0	1.2	-	-	-	-
	67	188.3	83.7	188.2	60.1	186.6	57.3	183.4	24.8	177.0	1.4	-	-	193.6	84.9	192.8	61.2	190.9	58.6	188.5	25.8	182.5	1.3	-	-
	62	185.7	86.2	176.4	81.9	172.3	67.0	171.9	42.9	169.0	13.0	162.8	1.2	189.8	88.3	180.1	83.9	177.8	68.6	176.5	44.2	173.7	16.6	167.8	1.3
	57	185.6	86.7	176.4	82.6	167.2	78.4	159.2	74.3	158.3	50.3	155.7	24.7	189.9	88.9	180.4	84.5	171.1	80.4	163.1	75.8	162.4	51.5	159.9	26.0
10350	77	222.3	22.3	218.2	1.1	209.5	1.5	-	-	-	-	-	-	227.4	24.4	224.1	1.1	216.8	1.8	-	-	-	-	-	-
	72	208.0	57.7	205.2	51.6	202.0	63.8	193.6	0.9	-	-	-	-	213.3	59.1	211.3	52.4	207.6	63.8	199.7	1.2	-	-	-	-
	67	193.4	87.6	191.7	65.4	189.6	68.6	186.5	28.6	178.3	1.3	-	-	197.7	89.6	196.8	66.8	195.2	69.2	191.7	29.4	184.3	1.3	-	-
	62	192.1	86.9	183.1	83.0	177.0	73.7	175.3	46.3	171.9	10.8	164.1	1.1	197.4	89.7	187.1	85.2	181.4	75.0	180.1	47.6	176.9	14.3	169.3	1.3
	57	192.9	88.0	182.1	83.2	173.4	79.2	164.2	75.0	161.5	53.8	158.3	25.4	197.3	90.2	185.9	85.2	177.4	81.4	168.3	77.2	165.8	55.2	162.8	26.7
11500	77	225.3	24.8	220.6	1.0	210.4	1.4	-	-	-	-	-	-	230.9	26.0	226.7	1.6	217.7	1.7	-	-	-	-	-	-
	72	210.9	62.3	208.5	60.4	204.3	1.6	194.6	1.9	-	-	-	-	216.2	63.7	214.5	61.3	210.2	76.8	200.8	1.2	-	-	-	-
	67	199.2	87.0	194.9	70.8	193.2	76.2	188.8	32.3	179.2	1.2	-	-	203.8	89.4	199.9	72.0	198.1	78.3	193.9	33.2	185.0	1.4	-	-
	62	199.1	87.7	188.7	83.1	179.2	77.7	178.3	49.1	174.2	9.9	164.9	1.7	203.8	90.1	191.8	84.6	184.1	79.9	183.1	50.5	179.2	13.1	170.2	1.1
	57	198.8	88.3	188.7	83.7	178.6	79.2	168.8	74.8	164.2	56.4	160.3	25.4	203.5	90.7	192.8	85.8	182.9	81.4	172.7	76.7	168.9	57.9	165.1	26.9

Table 39: KE23 hot gas reheat capacity performance (45°F to 35°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
		45 (°F)												35 (°F)											
5750	77	207.1	18.5	205.5	1.9	204.6	1.2	-	-	-	-	-	-	209.8	25.7	208.7	90.0	207.3	1.1	-	-	-	-	-	-
	72	191.6	33.5	190.7	25.0	189.8	21.9	188.3	1.3	-	-	-	-	193.1	33.9	192.5	26.2	191.0	21.8	190.0	3.3	-	-	-	-
	67	176.8	56.8	174.0	40.0	175.7	32.4	174.4	18.3	173.1	1.0	-	-	175.7	55.7	177.0	41.1	176.6	32.4	175.7	18.6	174.1	0.9	-	-
	62	161.9	78.0	162.5	64.1	162.0	47.9	161.3	31.5	160.2	20.4	158.5	2.2	168.5	78.6	163.3	64.5	162.3	48.0	162.1	31.9	161.3	24.2	160.0	4.2
	57	160.2	78.3	152.9	75.2	148.3	70.9	148.2	54.4	147.7	37.9	146.9	21.4	161.1	78.8	153.9	75.6	149.4	71.3	149.3	54.8	149.0	38.3	148.1	21.7
6900	77	215.6	22.8	214.1	2.3	211.3	1.0	-	-	-	-	-	-	218.6	61.8	217.2	62.8	214.7	1.2	-	-	-	-	-	-
	72	200.4	40.6	198.2	31.4	197.5	29.5	194.7	1.6	-	-	-	-	202.7	41.2	201.3	31.4	199.9	29.7	197.6	2.3	-	-	-	-
	67	185.6	67.2	185.1	48.4	184.1	40.6	182.1	20.8	179.7	3.3	-	-	186.4	67.6	185.4	48.5	185.0	40.8	183.1	21.5	181.2	1.6	-	-
	62	171.9	82.6	170.3	74.4	170.1	55.7	168.3	36.1	167.5	21.2	165.1	1.3	115.9	83.5	171.4	74.8	170.8	56.1	170.2	36.8	168.5	24.8	166.4	2.9
	57	173.3	83.7	164.8	80.0	157.0	76.6	156.2	62.7	155.5	43.3	154.1	23.7	114.2	83.9	165.6	80.4	158.2	77.2	157.3	63.1	156.8	43.7	155.3	24.1
8050	77	222.6	26.1	220.2	2.5	215.9	0.9	-	-	-	-	-	-	226.3	100.9	223.4	102.6	219.8	1.1	-	-	-	-	-	-
	72	206.7	47.4	205.6	37.3	203.3	40.5	199.6	1.1	-	-	-	-	209.7	48.1	208.3	37.4	206.0	40.2	202.5	1.0	-	-	-	-
	67	191.0	76.5	191.3	55.6	190.1	50.6	187.9	24.0	184.0	2.2	-	-	193.2	77.1	192.3	55.7	191.5	50.6	189.4	24.8	185.9	1.0	-	-
	62	183.8	87.2	176.1	82.9	176.3	63.3	175.2	41.1	173.1	21.3	169.2	1.5	183.7	87.0	176.4	83.0	177.0	63.7	175.8	41.4	174.3	24.9	170.5	1.7
	57	183.3	87.4	175.0	83.6	165.0	79.1	161.8	70.2	160.9	48.1	159.1	25.5	183.1	87.2	174.0	83.2	167.0	80.2	158.0	69.0	162.1	48.6	160.4	26.0
9200	77	227.7	28.8	224.6	2.6	218.8	1.0	-	-	-	-	-	-	231.5	32.3	228.4	37.3	223.1	1.2	-	-	-	-	-	-
	72	212.3	54.0	210.5	45.3	207.3	50.5	202.6	1.3	-	-	-	-	214.5	54.5	212.7	46.2	210.7	51.0	205.4	1.3	-	-	-	-
	67	196.8	86.0	196.2	62.3	194.6	59.3	192.0	26.4	186.7	1.0	-	-	198.4	86.5	198.2	63.0	196.2	59.8	193.8	27.0	188.9	3.2	-	-
	62	192.4	89.7	183.4	85.6	181.1	69.6	179.8	45.1	177.2	20.7	171.7	1.0	193.7	90.3	184.0	85.9	181.9	70.1	180.8	45.7	178.3	24.5	173.7	1.8
	57	192.4	90.1	183.3	86.2	173.9	81.8	165.8	77.0	165.5	52.5	163.0	27.0	192.7	90.2	183.3	86.1	174.5	82.2	167.2	77.3	166.6	53.0	164.2	27.5
10350	77	231.9	30.5	228.8	2.3	221.5	0.9	-	-	-	-	-	-	236.6	28.7	232.4	18.4	225.4	1.7	-	-	-	-	-	-
	72	216.2	59.9	214.7	53.0	211.2	64.8	204.2	1.4	-	-	-	-	219.7	60.7	217.8	53.6	214.4	64.6	207.6	1.9	-	-	-	-
	67	200.6	90.6	199.8	67.7	198.4	70.3	195.2	30.1	188.5	1.2	-	-	202.8	92.1	201.9	68.4	200.7	70.3	200.7	30.2	191.1	1.5	-	-
	62	198.1	90.0	190.2	86.7	184.7	76.2	183.5	48.6	180.4	18.2	173.3	2.0	201.6	92.0	191.1	87.3	185.9	76.6	184.4	49.0	181.6	24.3	175.3	1.0
	57	199.8	91.5	188.4	86.3	179.9	82.7	170.7	78.4	169.1	56.3	166.2	27.8	201.5	92.5	190.3	87.4	181.3	83.3	171.3	79.7	170.0	56.6	167.5	28.3
11500	77	235.1	26.9	231.5	1.8	222.8	1.9	-	-	-	-	-	-	239.4	27.7	235.5	3.2	227.0	2.5	-	-	-	-	-	-
	72	219.4	64.5	217.5	61.0	213.9	77.8	205.4	1.3	-	-	-	-	223.0	65.6	221.1	62.2	217.3	77.5	209.1	4.2	-	-	-	-
	67	206.3	90.7	203.0	72.8	201.2	79.5	197.9	33.9	189.5	1.1	-	-	208.7	91.9	205.0	73.6	203.7	79.4	200.1	34.6	192.3	1.4	-	-
	62	206.1	91.3	195.9	86.9	187.7	81.2	186.7	51.5	182.7	16.8	174.3	1.5	206.9	91.8	196.4	87.1	189.2	81.3	187.7	52.2	184.4	8.9	176.5	1.9
	57	206.1	92.0	195.3	87.3	185.9	83.0	175.8	78.4	171.8	58.8	168.4	27.9	207.9	92.8	197.0	88.0	186.6	83.3	176.5	78.7	172.9	59.3	169.7	28.5

Airflow performance

Table 40: KE13 bottom duct application

SCFM	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 2.9 HP and field drive		Standard static 2.9 HP and drive						Medium static 3.7 HP and drive						High static 5.25 HP and drive					
3250	637	0.87	756	1.12	861	1.35	930	1.54	1019	1.72	1102	1.88	1179	2.03	1251	2.17	1319	2.31	1383	2.46
3500	655	0.99	771	1.24	874	1.46	940	1.66	1029	1.84	1111	2.00	1187	2.14	1259	2.29	1326	2.43	1390	2.58
3750	673	1.11	786	1.36	887	1.58	951	1.78	1038	1.96	1120	2.12	1196	2.26	1267	2.41	1334	2.55	1397	2.70
4000	691	1.23	802	1.48	901	1.71	962	1.90	1048	2.08	1129	2.24	1204	2.39	1275	2.53	1342	2.67	1404	2.83
4250	709	1.36	818	1.61	916	1.83	973	2.03	1059	2.20	1139	2.36	1214	2.51	1284	2.66	1350	2.80	1412	2.95
4500	729	1.49	835	1.74	931	1.96	985	2.16	1070	2.34	1149	2.49	1223	2.64	1293	2.79	1359	2.93	1421	3.08
4750	749	1.62	852	1.88	946	2.10	998	2.30	1082	2.47	1161	2.63	1234	2.78	1303	2.92	1368	3.07	1430	3.22
5000	770	1.77	871	2.02	963	2.24	1013	2.44	1095	2.62	1173	2.77	1246	2.92	1314	3.07	1379	3.21	1440	3.36
5250	793	1.92	891	2.17	981	2.40	1028	2.59	1110	2.77	1186	2.93	1258	3.08	1326	3.22	1390	3.36	1451	3.51
5500	817	2.08	912	2.34	1001	2.56	1045	2.76	1125	2.93	1201	3.09	1272	3.24	1339	3.38	1403	3.53	---	---
5750	842	2.26	935	2.51	1022	2.73	1063	3.05	1142	3.10	1217	3.26	1287	3.41	1353	3.56	---	---	---	---
6000	869	2.44	960	2.70	1044	3.06	1083	3.21	1161	3.29	1234	3.45	1303	3.60	---	---	---	---	---	---
6250	898	2.64	986	3.07	1068	3.20	1105	3.32	1181	3.49	1253	3.65	---	---	---	---	---	---	---	---
															High static 5.25 HP and Field Drive					

Note:

1. Blower performance includes gas heat exchangers and 2 in. filters. See the static resistance table for additional applications.
2. See the RPM selection table to determine desired motor sheave setting and to determine the maximum continuous BHP.
3. kW = BHP x 0.858.

Table 41: KE15 bottom duct application

SCFM	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 2.9 HP and Field Drive		Standard static 2.9 HP and drive						Medium static 3.7 HP and drive						High static 5.25 HP and drive					
3900	561	0.68	648	1.04	726	1.35	797	1.63	862	1.88	923	2.11	980	2.35	1032	2.58	1082	2.84	1128	3.12
4200	575	0.83	660	1.19	737	1.51	807	1.78	871	2.04	932	2.27	988	2.50	1040	2.74	1089	3.00	1135	3.28
4500	589	0.99	672	1.35	747	1.66	816	1.94	880	2.19	940	2.43	996	2.66	1048	2.90	1096	3.15	1142	3.43
4800	602	1.14	684	1.50	758	1.81	826	2.09	889	2.34	948	2.58	1004	2.81	1055	3.05	1103	3.30	1149	3.58
5100	616	1.29	696	1.65	769	1.96	836	2.24	899	2.49	957	2.72	1012	2.96	1063	3.19	1111	3.45	1156	3.73
5400	629	1.43	708	1.79	780	2.11	846	2.38	908	2.64	966	2.87	1020	3.10	1071	3.34	1118	3.60	1163	3.88
5700	643	1.58	720	1.94	791	2.26	856	2.53	917	2.79	975	3.02	1028	3.25	1079	3.49	1126	3.75	1170	4.03
6000	657	1.74	733	2.10	802	2.41	867	2.69	927	2.94	984	3.18	1037	3.41	1087	3.65	1134	3.90	1178	4.19
6300	672	1.90	746	2.26	814	2.57	878	2.85	938	3.10	994	3.34	1047	3.57	1096	3.81	1143	4.06	1186	4.34
6600	687	2.07	759	2.43	827	2.74	890	3.02	949	3.27	1004	3.50	1056	3.74	1106	3.97	1152	4.23	---	---
6900	703	2.24	774	2.60	840	2.92	902	3.19	960	3.45	1015	3.68	1067	3.91	1116	4.15	---	---	---	---
7200	720	2.44	789	2.80	854	3.11	915	3.39	973	3.64	1027	3.87	1078	4.11	---	---	---	---	---	---
7500	737	2.64	805	3.00	880	3.50	929	3.59	986	3.84	1039	4.08	1090	4.31	---	---	---	---	---	---
															High static 5.25 HP and Field Drive					

Note:

1. Blower performance includes gas heat exchangers and 2 in. filters. See the static resistance table for additional applications.
2. See the RPM selection table to determine desired motor sheave setting and to determine the maximum continuous BHP.
3. kW = BHP x 0.858.

Table 42: KE18 bottom duct application

SCFM	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 3.7 HP and Field Drive		Standard static 3.7 HP and drive						Medium static 5.25 HP and drive						High static 7.5 HP and drive					
4375	583	0.95	667	1.32	743	1.64	812	1.93	877	2.19	936	2.43	992	2.67	1044	2.91	1093	3.18	1139	3.47
4813	603	1.18	684	1.55	758	1.87	827	2.15	890	2.41	949	2.66	1004	2.90	1055	3.14	1104	3.40	1149	3.69
5250	622	1.40	702	1.77	774	2.09	841	2.38	903	2.64	961	2.88	1016	3.12	1067	3.36	1115	3.63	1159	3.92
5688	642	1.62	719	1.99	790	2.32	856	2.60	917	2.86	974	3.10	1028	3.34	1078	3.59	1126	3.85	1170	4.14
6125	663	1.86	738	2.23	807	2.55	871	2.83	932	3.09	988	3.33	1041	3.57	1091	3.82	1138	4.08	1182	4.37
6563	685	2.10	758	2.47	825	2.80	888	3.08	947	3.34	1003	3.58	1055	3.82	1104	4.07	1151	4.33	1194	4.62
7000	708	2.37	779	2.74	845	3.07	906	3.35	964	3.61	1019	3.85	1071	4.09	1119	4.34	1165	4.60	1208	4.89
7438	734	2.67	802	3.04	866	3.37	926	3.65	983	3.91	1037	4.15	1087	4.39	1135	4.64	1180	4.90	---	---
7875	761	3.01	827	3.38	889	3.70	948	3.99	1004	4.25	1056	4.49	1106	4.73	1153	4.97	---	---	---	---
8313	790	3.40	854	3.77	915	4.09	972	4.37	1026	4.63	1078	4.88	1126	5.11	---	---	---	---	---	---
8750	822	3.84	884	4.21	942	4.53	998	4.81	1051	5.07	1101	5.32	1149	5.55	---	---	---	---	---	---

Note:

1. Blower performance includes gas heat exchangers and 2 in. filters. See the static resistance table for additional applications.
2. See the RPM selection table to determine desired motor sheave setting and to determine the maximum continuous BHP.
3. kW = BHP x 0.834.

Table 43: KE20 bottom duct application

SCFM	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 5.25 HP and field drive				Standard static 5.25 HP and drive				Medium static 5.25 HP and drive						High static 7.5 HP and drive					
5000	602	0.52	682	0.90	759	1.36	833	1.85	903	2.35	968	2.83	1026	3.26	1079	3.59	1124	3.80	1161	3.86
5500	639	0.90	714	1.28	788	1.73	860	2.23	928	2.73	991	3.21	1048	3.63	1099	3.97	1144	4.18	1181	4.24
6000	677	1.32	749	1.71	820	2.16	889	2.66	955	3.16	1016	3.64	1072	4.06	1122	4.39	1166	4.61	1202	4.66
6500	717	1.79	785	2.17	853	2.63	920	3.12	983	3.63	1043	4.11	1098	4.53	1147	4.86	1189	5.07	1225	5.13
7000	759	2.30	823	2.68	888	3.14	952	3.63	1014	4.14	1072	4.62	1125	5.04	1173	5.37	1215	5.58	1250	5.64
7500	800	2.85	862	3.23	924	3.68	986	4.18	1046	4.68	1102	5.16	1154	5.58	1200	5.92	1241	6.13	1275	6.19
8000	842	3.43	901	3.81	961	4.26	1020	4.76	1078	5.26	1133	5.74	1183	6.16	1229	6.50	1269	6.71	---	---
8500	884	4.04	939	4.42	997	4.87	1055	5.37	1111	5.87	1164	6.35	---	---	---	---	---	---	---	---
9000	924	4.67	978	5.05	1033	5.51	1089	6.00	1143	6.50	---	---	---	---	---	---	---	---	---	---
9500	980	5.62	1015	5.71	1069	6.16	1123	6.66	---	---	---	---	---	---	---	---	---	---	---	---
10000	1002	6.00	1052	6.38	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
															High static 7.5 HP and Field Drive					

Note:

1. Blower performance includes gas heat exchangers and 2 in. filters. See the static resistance table for additional applications.
2. See the RPM selection table to determine desired motor sheave setting and to determine the maximum continuous BHP.
3. kW = BHP x 0.834

Table 44: KE23 bottom duct application

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 5.25 HP and Field Drive				Standard static 5.25 HP and drive				Standard static 7.5 HP and drive						Medium static 10 HP and drive					
5750	658	1.11	731	1.49	804	1.94	874	2.44	941	2.94	1003	3.42	1060	3.84	1110	4.18	1154	4.39	1191	4.44
6325	703	1.62	772	2.01	841	2.46	909	2.96	973	3.46	1033	3.94	1089	4.36	1138	4.69	1181	4.91	1217	4.96
6900	750	2.20	815	2.58	881	3.03	946	3.53	1008	4.03	1066	4.51	1120	4.93	1168	5.27	1210	5.48	1245	5.54
7475	798	2.82	860	3.20	922	3.66	984	4.15	1044	4.65	1100	5.13	1152	5.56	1199	5.89	1240	6.10	1274	6.16
8050	846	3.49	904	3.87	964	4.32	1024	4.82	1081	5.32	1136	5.80	1186	6.22	1232	6.56	1271	6.77	1305	6.83
8625	894	4.19	949	4.57	1006	5.03	1063	5.52	1119	6.03	1171	6.51	1220	6.93	1265	7.26	1303	7.47	1336	7.53
9200	940	4.93	993	5.31	1048	5.77	1103	6.26	1156	6.76	1207	7.24	1255	7.67	1298	8.00	1336	8.21	1367	8.27
9775	985	5.69	1035	6.07	1088	6.53	1141	7.02	1193	7.53	1242	8.01	1289	8.43	1331	8.76	---	---	---	---
10350	1028	6.48	1082	6.86	1127	7.31	1178	7.81	1229	8.31	1277	8.79	---	---	---	---	---	---	---	---
10925	1080	7.27	1115	7.65	1164	8.10	1214	8.60	---	---	---	---	---	---	---	---	---	---	---	---
11500	1106	8.07	1151	8.45	1199	8.90	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Note:

1. Blower performance includes gas heat exchangers and 2 in. filters. See the static resistance table for additional applications.
2. See the RPM selection table to determine desired motor sheave setting and to determine the maximum continuous BHP.
3. kW = BHP x 0.834

KE13 to KE23 rpm selection

Table 45: 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 Turns open	Fully closed	Turns	Max Dia turns	Min rpm	Max rpm	Motor efficiency
13	KE	2.9	2.90	1VP40	1B5V66	NA	711	766	820	875	929	984	5	0	711	984	86.9
		3.7	3.70	1VP40	1B5V54	860	921	983	1044	1106	1167	NA	6	1	860	1167	89.5
		5.25	5.75	1VP60	1B5V74	1142	1192	1240	1289	1338	1386	1435	6	0	1142	1434	89.5
15	KE	2.9	2.90	1VP40	1B5V74	636	682	727	773	818	864	NA	6	1	636	864	86.9
		3.7	3.70	1VP40	1B5V64	731	784	836	888	940	993	NA	6	1	731	993	89.5
		5.25	5.75	1VM50	1B5V74	904	950	1000	1046	1095	1142	NA	6	1	904	1142	89.5
18	KE	3.7	3.45	1VL44	1B5V86	NA	625	667	709	750	792	834	5	0	625	834	89.5
		5.25	5.75	1VM50	1B5V74	822	865	908	952	995	1038	NA	6	1	822	1038	89.5
		7.5	8.63	1VP71	1B5V94	1005	1040	1075	1109	1144	1178	1213	6	0	1005	1213	91
20	KE	5.25	5.75	1VM50	1B5V90	723	761	799	837	875	913	NA	6	1	723	913	89.5
		5.25	8.63	1VM50	1B5V74	924	973	1021	1070	1118	1167	NA	6	1	924	1167	89.5
		7.5	8.63	1VP71	1B5V94	1005	1040	1075	1109	1144	1178	1213	6	0	1005	1213	91
23	KE	5.25	5.75	1VM50	1B5V80	801	843	885	927	969	1011	NA	6	1	801	1011	89.5
		7.5	8.63	1VP60	1B5V80	933	973	1013	1053	1092	1132	1172	6	0	933	1172	91
		10.0	11.50	1VP60	1B5V74	1108	1155	1202	1250	1296	1344	1391	6	0	1108	1391	91.7

Table 46: Additional static resistance

Model	CFM	Cooling only	Reheat coil	Economizer	Electric heat kW			4 in. MERV 13	2 in. MERV 8	2 in. MERV 13
					25	50	75			
KE13 to KE23	3500	0.05	0.01	0.01	0.01	0.01	0.02	0.04	0.05	0.04
	4000	0.09	0.01	0.01	0.01	0.01	0.02	0.04	0.05	0.04
	5000	0.11	0.01	0.05	0.02	0.02	0.03	0.05	0.05	0.05
	6000	0.15	0.03	0.07	0.04	0.04	0.05	0.06	0.05	0.06
	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

Note:

1. For cooling only models, add the cooling only value to the available static resistance in the respective blower performance tables.
2. 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.
3. 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.
4. 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.

Drive selection

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 and/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. 4500 cfm
2. 1.0 iwg
3. Using the following supply air blower performance table, the following data point was located: 1,070 rpm and 2.34 bhp.
4. Using the following rpm selection table below, Size X and Model Y is found.
5. 2.34 bhp does not exceed the maximum continuous bhp rating of any of the 3 motor options, so all 3 motors are still eligible for selection.
6. 1,070 rpm falls within the range of the 3.7 hp drive.
7. Using the 3.7 hp motor, 2.5 turns open achieves 1,070 rpm.

Table 47: Example supply air blower performance

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 2.9 hp and field drive		Standard static 2.9 hp and drive						Medium static 3.7 hp and drive						High static 5.25 hp and drive					
3250	637	0.87	756	1.12	861	1.35	930	1.54	1019	1.72	1102	1.88	1179	2.03	1251	2.17	1319	2.31	1383	2.46
3500	655	0.99	771	1.24	874	1.46	940	1.66	1029	1.84	1111	2.00	1187	2.14	1259	2.29	1326	2.43	1390	2.58
3750	673	1.11	786	1.36	887	1.58	951	1.78	1038	1.96	1120	2.12	1196	2.26	1267	2.41	1334	2.55	1397	2.70
4000	691	1.23	802	1.48	901	1.71	962	1.90	1048	2.08	1129	2.24	1204	2.39	1275	2.53	1342	2.67	1404	2.83
4250	709	1.36	818	1.61	916	1.83	973	2.03	1059	2.20	1139	2.36	1214	2.51	1284	2.66	1350	2.80	1412	2.95
4500	729	1.49	835	1.74	931	1.96	985	2.16	1070	2.34	1149	2.49	1223	2.64	1293	2.79	1359	2.93	1421	3.08
4750	749	1.62	852	1.88	946	2.10	998	2.30	1082	2.47	1161	2.63	1234	2.78	1303	2.92	1368	3.07	1430	3.22
5000	770	1.77	871	2.02	963	2.24	1013	2.44	1095	2.62	1173	2.77	1246	2.92	1314	3.07	1379	3.21	1440	3.36
5250	793	1.92	891	2.17	981	2.40	1028	2.59	1110	2.77	1186	2.93	1258	3.08	1326	3.22	1390	3.36	1451	3.51
5500	817	2.08	912	2.34	1001	2.56	1045	2.76	1125	2.93	1201	3.09	1272	3.24	1339	3.38	1403	3.53	---	---
5750	842	2.26	935	2.51	1022	2.73	1063	3.05	1142	3.10	1217	3.26	1287	3.41	1353	3.56	---	---	---	---
6000	869	2.44	960	2.70	1044	3.06	1083	3.21	1161	3.29	1234	3.45	1303	3.60	---	---	---	---	---	---
6250	898	2.64	986	3.07	1068	3.20	1105	3.32	1181	3.49	1253	3.65	---	---	---	---	---	---	---	---
													High static 5.25 hp and Field Drive							

Note:

1. Blower performance includes gas heat exchangers and 2 in. filters. See static resistance table for additional applications.
2. See rpm selection table to determine desired motor sheave setting and to determine the maximum continuous bhp.
3. kW = bhp x 0.858.

Table 48: Example rpm selection

Size	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
13	KE	2.9	2.90	1VP40	1B5V66	NA	711	766	820	875	929	984
		3.7	3.70	1VP40	1B5V54	860	921	983	1044	1106	1167	NA
		5.0	5.75	1VP60	1B5V74	1142	1192	1240	1289	1338	1386	1435

Airflow specifications

Table 49: 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 6: Altitude/temperature correction factors

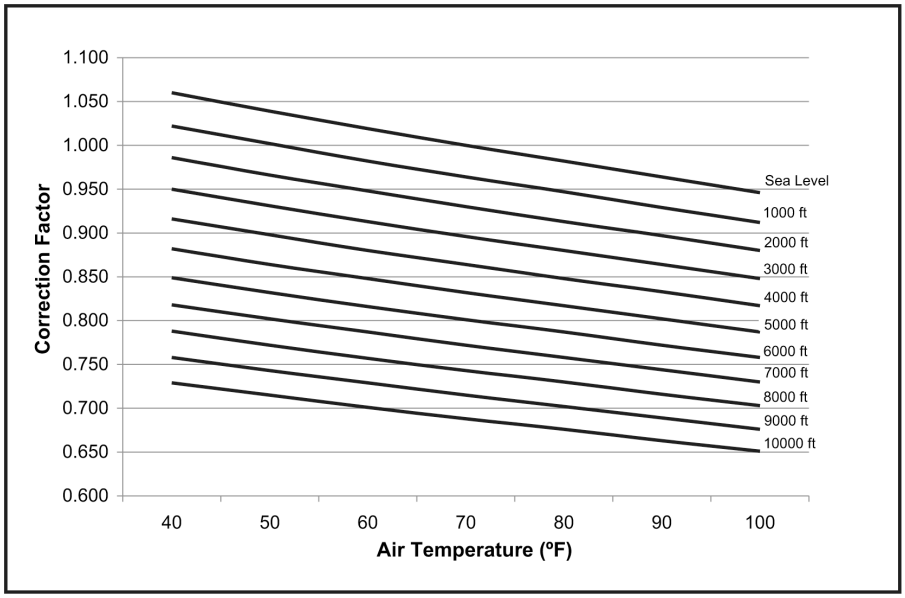


Table 50: Gas heat allowable air flow

Unit		Supply air (CFM)	
Size (tons)	Heat size	Min	Max
KE13 (12.5)	(N,S)1	3660	6250
	(N,S)3	4280	6250
	T3	3530	6250
KE15 (15)	(N,S)1	3660	7500
	(N,S)3	4620	7500
	T3	3500	7500
KE18 (17.5)	(N,S)1	3660	8750
	(N,S)3	4620	8750
	T3	3500	8750
KE20 (20)	(N,S)1	3660	10000
	(N,S)3	4620	10000
	T3	3500	10000
KE23 (23)	(N,S)1	4120	11500
	(N,S)3	5450	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 51: Electric heat minimum air flow requirements

Size (tons)	Heat size		
	75 kW	50 kW	25 kW
KE13 (12.5)	NA	3750	3750
KE15 (15)	6000	4500	4500
KE18 (17.5)	6000	5250	5250
KE20 (20)	6000	6000	6000
KE23 (23)	6900	6900	6900

⚠ 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 52: Indoor blower specifications

Model	Static option	Motor						Motor sheave			Blower sheave			Belt
		HP	Nominal HP	RPM	Eff.	SF	Frame	Datum dia. (in.)	New Mtr Shv	Bore (in.)	Datum dia. (in.)	Bore (in.)	Blower sheave	
KE13	Std	2.9	2.0	1750	0.87	1.15	56	2.4 - 3.4	7/8	1VP40	6.2	1 7/16	1B5V66	AX36
	Med	3.7	3.0	1750	0.90	1.15	56	2.7 - 3.7	7/8	1VP40	5.4	1 7/16	1B5V54	BX34
	High	5.3	5.0	1750	0.90	1.15	145T	4.3-5.5	7/8	1VP60	7.4	1 7/16	1B5V74	BX40
KE15	Std	2.9	2.0	1750	0.87	1.15	56	2.7-3.7	7/8	1VP40	7.4	1 7/16	1B5V74	BX40
	Med	3.7	3.0	1750	0.90	1.15	56	2.7-3.7	7/8	1VP40	6.4	1 7/16	1B5V64	BX38
	High	5.3	5.0	1750	0.90	1.15	145T	3.7-4.7	7/8	1VM50	7.4	1 7/16	1B5V74	BX40
KE18	Std	3.7	3.0	1750	0.90	1.15	56	2.8-3.8	7/8	1VL44	8.2	1 7/16	1B5V86	AX41
	Med	5.3	5.0	1750	0.90	1.15	145T	3.7-4.7	7/8	1VM50	7.4	1 7/16	1B5V74	BX40
	High	7.5	7.5	1750	0.91	1.15	213T	5.4-6.6	1 3/8	1VP71	9.4	1 7/16	1B5V94	BX47
KE20	Std	5.3	5.0	1750	0.90	1.15	145T	3.7 - 4.7	7/8	1VM50	6.6	1 7/16	1B5V90	BX43
	Med	5.3	5.0	1750	0.90	1.15	145T	3.7 - 4.7	7/8	1VM50	7.4	1 7/16	1B5V74	BX40
	High	7.5	7.5	1750	0.91	1.15	213T	5.4-6.6	1 3/8	1VP71	9.4	1 7/16	1B5V94	BX47
KE23	Std	5.3	5.0	1750	0.90	1.15	145T	3.7 - 4.7	7/8	1VM50	8	1 7/16	1B5V80	BX43
	Med	7.5	7.5	1750	0.91	1.15	213T	4.3 - 5.5	1 3/8	1VP60	8	1 7/16	1B5V80	BX43
	High	10.0	10.0	1750	0.92	1.15	213T	4.3 - 5.5	1 3/8	1VP60	7.4	1 7/16	1B5V74	5VX450

Table 53: Standard CFM constant volume power exhaust (208V) airflow

Motor speed	Available return static - IWG																	
	0.1			0.2			0.3			0.4			0.5			0.6		
	CFM	Watts	RPM	CFM	Watts	RPM	CFM	Watts	RPM	CFM	Watts	RPM	CFM	Watts	RPM	CFM	Watts	RPM
Low	3029	1150	809	2978	1116	878	2913	1093	924	2828	1061	956	2716	1014	982	-	-	-
Med.	3293	1280	868	3196	1224	915	3093	1179	948	2982	1129	980	2852	1075	1009	-	-	-
High	3794	1527	968	3628	1437	1006	3501	1386	1023	3345	1323	1040	3170	1260	1057	-	-	-

Table 54: Standard CFM constant volume power exhaust (230, 460, 575V) airflow

Motor speed	Available return static - IWG																	
	0.1			0.2			0.3			0.4			0.5			0.6		
	CFM	Watts	RPM	CFM	Watts	RPM	CFM	Watts	RPM	CFM	Watts	RPM	CFM	Watts	RPM	CFM	Watts	RPM
Low	3395	1308	886	3297	1265	937	3191	1228	969	3071	1171	990	2931	1105	1010	2765	1076	1039
Med.	3667	1454	940	3518	1368	983	3386	1307	1008	3251	1257	1026	3103	1207	1041	2944	1148	1051
High	4093	1702	1044	3910	1637	1064	3754	1576	1074	3577	1503	1086	3367	1430	1096	3152	1360	1105

Note:

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

Table 55: Standard CFM modulating power exhaust airflow

Motor speed	Available return static - IWG																	
	0.1			0.2			0.3			0.4			0.5			0.6		
	CFM	Watts	RPM	CFM	Watts	RPM	CFM	Watts	RPM	CFM	Watts	RPM	CFM	Watts	RPM	CFM	Watts	RPM
Max. (10 VDC)	3054	498	740	3152	630	829	3227	751	902	3278	861	962	3302	957	1012	3300	1039	1056

Table 56: Standard CFM modulating power exhaust airflow - continued

Motor speed	Available return static - IWG																	
	0.7			0.8			0.9			1.0			1.1			1.2		
	CFM	Watts	RPM	CFM	Watts	RPM	CFM	Watts	RPM	CFM	Watts	RPM	CFM	Watts	RPM	CFM	Watts	RPM
Max. (10 VDC)	3273	1107	1096	3222	1162	1133	3149	1204	1168	3060	1236	1202	2958	1259	1235	2849	1277	1266

Table 57: High CFM constant volume and modulating power exhaust (208V) airflow - field-installed only

CFM	Available external static pressure - IWG											
	0		0.1		0.2		0.3		0.4		0.5	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2500	-	-	-	-	-	-	494	0.68	532	0.74	527	0.89
2750	-	-	-	-	-	-	511	0.71	549	0.78	543	0.93
3000	-	-	-	-	471	0.76	529	0.80	567	0.86	562	1.01
3250	-	-	-	-	492	0.87	549	0.91	587	0.97	582	1.12
3500	-	-	459	0.95	513	1.00	571	1.03	-	-	-	-
3750	-	-	482	1.08	536	1.14	-	-	-	-	-	-
4000	479	1.09	506	1.22	560	1.27	-	-	-	-	-	-
4250	504	1.22	531	1.35	585	1.40	-	-	-	-	-	-
4500	530	1.34	557	1.47	-	-	-	-	-	-	-	-
4750	556	1.45	583	1.59	-	-	-	-	-	-	-	-
5000	583	1.56	-	-	-	-	-	-	-	-	-	-

Table 58: High CFM constant volume and modulating power exhaust (230, 460, 575V) airflow - field-installed only

CFM	Available external static pressure - IWG											
	0		0.1		0.2		0.3		0.4		0.5	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2500	-	-	-	-	-	-	488	0.84	531	0.86	541	0.70
2750	-	-	-	-	-	-	508	0.93	550	0.94	560	0.78
3000	-	-	-	-	471	0.91	527	1.02	569	1.04	580	0.87
3250	-	-	-	-	491	1.01	547	1.12	589	1.13	-	-
3500	-	-	457	0.99	512	1.11	568	1.22	-	-	-	-
3750	-	-	480	1.09	534	1.22	591	1.32	-	-	-	-
4000	469	1.14	504	1.20	558	1.32	-	-	-	-	-	-
4250	495	1.25	529	1.31	583	1.44	-	-	-	-	-	-
4500	522	1.37	557	1.43	-	-	-	-	-	-	-	-
4750	551	1.49	586	1.55	-	-	-	-	-	-	-	-
5000	582	1.61	-	-	-	-	-	-	-	-	-	-

Table 59: Electric heat multipliers

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

Note:

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

Table 60: 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
KE13 (12.5)	5000	Ducted Discharge	89	83	79	75	71	69	68	57
		Ducted Inlet	87	69	63	62	59	54	49	38
KE15 (15)	6000	Ducted Discharge	78	69	64	61	57	61	62	53
		Ducted Inlet	79	56	53	51	47	39	36	29
KE18 (17.5)	7000	Ducted Discharge	91	85	80	76	73	70	69	60
		Ducted Inlet	86	72	65	61	60	54	49	39
KE20 (20)	8000	Ducted Discharge	93	88	83	79	76	74	73	64
		Ducted Inlet	90	74	67	64	63	57	52	43
KE23 (23)	10000	Ducted Discharge	96	91	87	83	80	78	77	69
		Ducted Inlet	94	77	70	67	66	61	56	47

Note:

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

Table 61: 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
KE13 (12.5)	89	92	94	88	86	84	80	75	71
KE15 (15)	89	92	94	88	86	84	80	75	71
KE18 (17.5)	90	92	90	89	87	85	81	76	73
KE20 (20)	90	92	90	89	87	85	81	76	73
KE23 (23)	90	92	90	89	87	85	81	76	73

Note:

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

Electrical data

The following note applies to all electrical data tables.

Note:

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

VFD standard static

Table 62: KE13 to KE23 VFD standard static without power exhaust

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		OD fan motors each FLA	Supply blower motor FLA	120 V trans FLA	Electric heat option field installed kit				MCA A	Max f/b size A	Min disconnect rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconnect rating/120 V trans	
		RLA	LRA	RLA	LRA				Model	kW	Stages	A			FLA	LRA			FLA	LRA
13 (12.5)	208-3-60	30.0	53.1	23.2	142	4.7	13.2	9.6	None	-	-	-	83.3	110	87	266	92.9	110	98	276
									2EH04522525	18.8	1	52.1	83.3	110	87	266	93.6	110	98	276
									2EH04525025	37.6	2	104.3	146.9	150	135	266	158.9	175	146	276
	230-3-60	30.0	53.1	23.2	142	4.7	13.2	8.7	None	-	-	-	83.3	110	87	274	92.0	110	97	282
									2EH04522525	23.0	1	57.7	88.6	110	87	274	99.5	110	97	282
									2EH04525025	45.9	2	115.2	160.5	175	148	274	171.4	175	158	282
	460-3-60	15.0	27.6	9.5	73.1	2.3	6.1	4.3	None	-	-	-	39.0	50	40	140	43.3	50	45	144
									2EH04522546	23.0	1	28.8	43.6	50	40	140	49.0	50	45	144
									2EH04525046	45.9	2	57.6	79.6	80	73	140	85.0	90	78	144
	575-3-60	13.0	21.6	7.8	55	1.9	4.9	3.5	None	-	-	-	32.8	45	34	107	36.3	45	38	110
									2EH04522558	23.0	1	23.0	34.9	45	34	107	39.3	45	38	110
									2EH04525058	45.9	2	46.0	63.6	70	59	107	68.0	70	63	110
15 (15)	208-3-60	33.0	53.1	26.3	178.5	4.7	13.2	9.6	None	-	-	-	90.2	110	94	303	99.8	125	105	312
									2EH04502525	18.8	1	52.1	90.2	110	94	303	99.8	125	105	312
									2EH04505025	37.6	2	104.3	146.9	150	135	303	158.9	175	146	312
									2EH04507525	56.3	2	156.2	172.7	200	195	303	184.7	200	206	312
	230-3-60	33.0	53.1	26.3	178.5	4.7	13.2	8.7	None	-	-	-	90.2	110	94	310	98.9	125	104	319
									2EH04502525	23.0	1	57.7	90.2	110	94	310	99.5	125	104	319
									2EH04505025	45.9	2	115.2	160.5	175	148	310	171.4	175	158	319
									2EH04507525	68.9	2	172.9	189.4	225	214	310	200.3	225	224	319
	460-3-60	16.0	27.6	11.0	95.3	2.3	6.1	4.3	None	-	-	-	41.7	50	43	162	46.0	60	48	166
									2EH04502546	23.0	1	28.8	43.6	50	43	162	49.0	60	48	166
									2EH04505046	45.9	2	57.6	79.6	80	73	162	85.0	90	78	166
									2EH04507546	68.9	2	86.4	94.0	110	106	162	99.4	110	111	166
	575-3-60	13.0	21.6	9.2	65	1.9	4.9	3.5	None	-	-	-	34.2	45	36	117	37.7	50	40	120
									2EH04502558	23.0	1	23.0	34.9	45	36	117	39.3	50	40	120
									2EH04505058	45.9	2	46.0	63.6	70	59	117	68.0	70	63	120
									2EH04507558	68.9	2	69.1	75.2	90	85	117	79.6	90	89	120
18 (17.5)	208-3-60	37.0	53.1	27.7	178.5	4.7	13.2	9.6	None	-	-	-	106.0	125	111	323	115.6	150	122	333
									2EH04502525	18.8	1	52.1	106.0	125	111	323	115.6	150	122	333
									2EH04505025	37.6	2	104.3	146.9	150	135	323	158.9	175	146	333
									2EH04507525	56.3	2	156.2	172.7	200	195	323	184.7	200	206	333
	230-3-60	37.0	53.1	27.7	178.5	4.7	13.2	8.7	None	-	-	-	106.0	125	111	331	114.7	150	121	340
									2EH04502525	23.0	1	57.7	106.0	125	111	331	114.7	150	121	340
									2EH04505025	45.9	2	115.2	160.5	175	148	331	171.4	175	158	340
									2EH04507525	68.9	2	172.9	189.4	225	214	331	200.3	225	224	340
	460-3-60	18.0	27.6	11.5	103	2.3	6.1	4.3	None	-	-	-	49.3	60	52	180	53.6	70	56	184
									2EH04502546	23.0	1	28.8	49.3	60	52	180	53.6	70	56	184
									2EH04505046	45.9	2	57.6	79.6	80	73	180	85.0	90	78	184
									2EH04507546	68.9	2	86.4	94.0	110	106	180	99.4	110	111	184
	575-3-60	15.0	21.6	9.0	78	1.9	4.9	3.5	None	-	-	-	40.3	50	42	147	43.8	50	46	151
									2EH04502558	23.0	1	23.0	40.3	50	42	147	43.8	50	46	151
									2EH04505058	45.9	2	46.0	63.6	70	59	147	68.0	70	63	151
									2EH04507558	68.9	2	69.1	75.2	90	85	147	79.6	90	89	151

Table 62: KE13 to KE23 VFD standard static without power exhaust

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		OD fan motors each FLA	Supply blower motor FLA	120 V trans FLA	Electric heat option field installed kit				MCA A	Max f/b size A	Min disconnect rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconnect rating/120 V trans	
		RLA	LRA	RLA	LRA				Model	kW	Stages	A			FLA	LRA			FLA	LRA
20 (20)	208-3-60	51.0	68.3	28.7	207.5	4.7	20.4	9.6	None	-	-	-	131.7	175	137	397	141.3	175	148	407
									2EH04502525	18.8	1	52.1	131.7	175	137	397	141.3	175	148	407
									2EH04505025	37.6	2	104.3	155.9	175	143	397	167.9	175	154	407
									2EH04507525	56.3	2	156.2	181.7	200	203	397	193.7	200	214	407
	230-3-60	51.0	68.3	28.7	207.5	4.7	20.4	8.7	None	-	-	-	131.7	175	137	397	140.4	175	147	405
									2EH04502525	23.0	1	57.7	131.7	175	137	397	140.4	175	147	405
									2EH04505025	45.9	2	115.2	169.5	175	156	397	180.4	200	166	405
									2EH04507525	68.9	2	172.9	198.4	225	222	397	209.3	225	232	405
	460-3-60	25.0	35.7	12.4	100.2	2.3	9.9	4.3	None	-	-	-	62.8	80	65	196	67.1	90	70	200
									2EH04502546	23.0	1	28.8	62.8	80	65	196	67.1	90	70	200
									2EH04505046	45.9	2	57.6	84.4	90	78	196	89.8	90	83	200
									2EH04507546	68.9	2	86.4	98.8	110	111	196	104.2	110	116	200
	575-3-60	20.0	32.4	9.0	78	1.9	7.7	3.5	None	-	-	-	49.3	60	51	158	52.8	70	55	162
									2EH04502558	23.0	1	23.0	49.3	60	51	158	52.8	70	55	162
									2EH04505058	45.9	2	46.0	67.1	70	62	158	71.5	80	66	162
									2EH04507558	68.9	2	69.1	78.7	90	88	158	83.1	90	92	162
23 (23)	208-3-60	62.0	68.3	28.5	255	4.7	20.4	9.6	None	-	-	-	145.2	200	149	445	154.8	200	160	455
									2EH04502525	18.8	1	52.1	145.2	200	149	445	154.8	200	160	455
									2EH04505025	37.6	2	104.3	155.9	200	149	445	167.9	200	160	455
									2EH04507525	56.3	2	156.2	181.7	200	203	445	193.7	200	214	455
	230-3-60	62.0	68.3	28.5	255	4.7	20.4	8.7	None	-	-	-	145.2	200	149	444	153.9	200	159	453
									2EH04502525	23.0	1	57.7	145.2	200	149	444	153.9	200	159	453
									2EH04505025	45.9	2	115.2	169.5	200	156	444	180.4	200	166	453
									2EH04507525	68.9	2	172.9	198.4	225	222	444	209.3	225	232	453
	460-3-60	30.0	35.7	13.5	123	2.3	9.9	4.3	None	-	-	-	70.1	100	72	219	74.4	100	77	223
									2EH04502546	23.0	1	28.8	70.1	100	72	219	74.4	100	77	223
									2EH04505046	45.9	2	57.6	84.4	100	78	219	89.8	100	83	223
									2EH04507546	68.9	2	86.4	98.8	110	111	219	104.2	110	116	223
	575-3-60	25.0	32.4	10.7	93.7	1.9	7.7	3.5	None	-	-	-	57.3	80	59	174	60.8	80	63	177
									2EH04502558	23.0	1	23.0	57.3	80	59	174	60.8	80	63	177
									2EH04505058	45.9	2	46.0	67.1	80	62	174	71.5	80	66	177
									2EH04507558	68.9	2	69.1	78.7	90	88	174	83.1	90	92	177

Table 63: KE13 to KE23 VFD standard static with on/off power exhaust

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		OD fan motors each FLA	Supply blower motor FLA	Pwr exh motor FLA	120 V trans FLA	Electric heat option field installed kit				MCA A	Max f/b size A	Min disconnect rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconnect rating/120 V trans	
		RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
13 (12.5)	208-3-60	30.0	53.1	23.2	142	4.7	13.2	5.0	9.6	None	-	-	-	93.3	110	99	287	102.9	125	110	297
										2EH04522525	18.8	1	52.1	94.1	110	99	287	106.1	125	110	297
										2EH04525025	37.6	2	104.3	159.4	175	147	287	171.4	175	158	297
	230-3-60	30.0	53.1	23.2	142	4.7	13.2	5.0	8.7	None	-	-	-	93.3	110	99	295	102.0	125	109	303
										2EH04522525	23.0	1	57.7	101.1	110	99	295	112.0	125	109	303
										2EH04525025	45.9	2	115.2	173.0	175	159	295	183.9	200	169	303
	460-3-60	15.0	27.6	9.5	73.1	2.3	6.1	2.2	4.3	None	-	-	-	43.4	50	46	149	47.7	60	50	153
										2EH04522546	23.0	1	28.8	49.1	50	46	149	54.5	60	50	153
										2EH04525046	45.9	2	57.6	85.1	90	78	149	90.5	100	83	153
	575-3-60	13.0	21.6	7.8	55	1.9	4.9	1.5	3.5	None	-	-	-	35.8	45	37	113	39.3	50	41	116
										2EH04522558	23.0	1	23.0	38.6	45	37	113	43.0	50	41	116
										2EH04525058	45.9	2	46.0	67.4	70	62	113	71.8	80	66	116
15 (15)	208-3-60	33.0	53.1	26.3	178.5	4.7	13.2	5.0	9.6	None	-	-	-	100.2	125	106	324	109.8	125	117	333
										2EH04502525	18.8	1	52.1	100.2	125	106	324	109.8	125	117	333
										2EH04505025	37.6	2	104.3	159.4	175	147	324	171.4	175	158	333
										2EH04507525	56.3	2	156.2	185.2	200	206	324	197.2	200	217	333
	230-3-60	33.0	53.1	26.3	178.5	4.7	13.2	5.0	8.7	None	-	-	-	100.2	125	106	331	108.9	125	116	340
										2EH04502525	23.0	1	57.7	101.1	125	106	331	112.0	125	116	340
										2EH04505025	45.9	2	115.2	173.0	175	159	331	183.9	200	169	340
										2EH04507525	68.9	2	172.9	201.9	225	226	331	212.8	225	236	340
	460-3-60	16.0	27.6	11.0	95.3	2.3	6.1	2.2	4.3	None	-	-	-	46.1	60	48	171	50.4	60	53	176
										2EH04502546	23.0	1	28.8	49.1	60	48	171	54.5	60	53	176
										2EH04505046	45.9	2	57.6	85.1	90	78	171	90.5	100	83	176
										2EH04507546	68.9	2	86.4	99.5	110	111	171	104.9	110	116	176
	575-3-60	13.0	21.6	9.2	65	1.9	4.9	1.5	3.5	None	-	-	-	37.2	50	39	123	40.7	50	43	126
										2EH04502558	23.0	1	23.0	38.6	50	39	123	43.0	50	43	126
										2EH04505058	45.9	2	46.0	67.4	70	62	123	71.8	80	66	126
										2EH04507558	68.9	2	69.1	79.0	90	89	123	83.4	90	93	126
18 (17.5)	208-3-60	37.0	53.1	27.7	178.5	4.7	13.2	5.0	9.6	None	-	-	-	116.0	150	123	344	125.6	150	134	354
										2EH04502525	18.8	1	52.1	116.0	150	123	344	125.6	150	134	354
										2EH04505025	37.6	2	104.3	159.4	175	147	344	171.4	175	158	354
										2EH04507525	56.3	2	156.2	185.2	200	206	344	197.2	200	217	354
	230-3-60	37.0	53.1	27.7	178.5	4.7	13.2	5.0	8.7	None	-	-	-	116.0	150	123	352	124.7	150	133	361
										2EH04502525	23.0	1	57.7	116.0	150	123	352	124.7	150	133	361
										2EH04505025	45.9	2	115.2	173.0	175	159	352	183.9	200	169	361
										2EH04507525	68.9	2	172.9	201.9	225	226	352	212.8	225	236	361
	460-3-60	18.0	27.6	11.5	103	2.3	6.1	2.2	4.3	None	-	-	-	53.7	70	57	189	58.0	70	62	194
										2EH04502546	23.0	1	28.8	53.7	70	57	189	58.0	70	62	194
										2EH04505046	45.9	2	57.6	85.1	90	78	189	90.5	100	83	194
										2EH04507546	68.9	2	86.4	99.5	110	111	189	104.9	110	116	194
	575-3-60	15.0	21.6	9.0	78	1.9	4.9	1.5	3.5	None	-	-	-	43.3	50	45	154	46.8	60	49	157
										2EH04502558	23.0	1	23.0	43.3	50	45	154	46.8	60	49	157
										2EH04505058	45.9	2	46.0	67.4	70	62	154	71.8	80	66	157
										2EH04507558	68.9	2	69.1	79.0	90	89	154	83.4	90	93	157

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Table 63: KE13 to KE23 VFD standard static with on/off power exhaust

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		OD fan motors each FLA	Supply blower motor FLA	Pwr exh motor FLA	120 V trans FLA	Electric heat option field installed kit				MCA A	Max f/b size A	Min disconnect rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconnect rating/120 V trans	
		RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
20 (20)	208-3-60	51.0	68.3	28.7	207.5	4.7	20.4	5.0	9.6	None	-	-	-	141.7	175	148	418	151.3	200	159	428
										2EH04502525	18.8	1	52.1	141.7	175	148	418	151.3	200	159	428
										2EH04505025	37.6	2	104.3	168.4	175	155	418	180.4	200	166	428
										2EH04507525	56.3	2	156.2	194.2	200	215	418	206.2	225	226	428
	230-3-60	51.0	68.3	28.7	207.5	4.7	20.4	5.0	8.7	None	-	-	-	141.7	175	148	418	150.4	200	158	426
										2EH04502525	23.0	1	57.7	141.7	175	148	418	150.4	200	158	426
										2EH04505025	45.9	2	115.2	182.0	200	167	418	192.9	200	177	426
										2EH04507525	68.9	2	172.9	210.9	225	234	418	221.8	225	244	426
	460-3-60	25.0	35.7	12.4	100.2	2.3	9.9	2.2	4.3	None	-	-	-	67.2	90	70	205	71.5	90	75	210
										2EH04502546	23.0	1	28.8	67.2	90	70	205	71.5	90	75	210
										2EH04505046	45.9	2	57.6	89.9	90	83	205	95.3	100	88	210
										2EH04507546	68.9	2	86.4	104.3	110	116	205	109.7	110	121	210
	575-3-60	20.0	32.4	9.0	78	1.9	7.7	1.5	3.5	None	-	-	-	52.3	70	54	164	55.8	70	58	168
										2EH04502558	23.0	1	23.0	52.3	70	54	164	55.8	70	58	168
										2EH04505058	45.9	2	46.0	70.9	80	65	164	75.3	80	69	168
										2EH04507558	68.9	2	69.1	82.5	90	92	164	86.9	90	96	168
23 (23)	208-3-60	62.0	68.3	28.5	255	4.7	20.4	5.0	9.6	None	-	-	-	155.2	200	161	466	164.8	225	172	476
										2EH04502525	18.8	1	52.1	155.2	200	161	466	164.8	225	172	476
										2EH04505025	37.6	2	104.3	168.4	200	161	466	180.4	225	172	476
										2EH04507525	56.3	2	156.2	194.2	200	215	466	206.2	225	226	476
	230-3-60	62.0	68.3	28.5	255	4.7	20.4	5.0	8.7	None	-	-	-	155.2	200	161	465	163.9	225	171	474
										2EH04502525	23.0	1	57.7	155.2	200	161	465	163.9	225	171	474
										2EH04505025	45.9	2	115.2	182.0	200	167	465	192.9	225	177	474
										2EH04507525	68.9	2	172.9	210.9	225	234	465	221.8	225	244	474
	460-3-60	30.0	35.7	13.5	123	2.3	9.9	2.2	4.3	None	-	-	-	74.5	100	77	228	78.8	100	82	232
										2EH04502546	23.0	1	28.8	74.5	100	77	228	78.8	100	82	232
										2EH04505046	45.9	2	57.6	89.9	100	83	228	95.3	100	88	232
										2EH04507546	68.9	2	86.4	104.3	110	116	228	109.7	110	121	232
	575-3-60	25.0	32.4	10.7	93.7	1.9	7.7	1.5	3.5	None	-	-	-	60.3	80	62	180	63.8	80	66	184
										2EH04502558	23.0	1	23.0	60.3	80	62	180	63.8	80	66	184
										2EH04505058	45.9	2	46.0	70.9	80	65	180	75.3	80	69	184
										2EH04507558	68.9	2	69.1	82.5	90	92	180	86.9	90	96	184

Table 64: KE13 to KE23 VFD standard static with modulating power exhaust

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		OD fan motors each FLA	Supply blower motor FLA	Pwr exh motor FLA	120 V trans FLA	Electric heat option field installed kit				MCA A	Max f/b size A	Min disconnect rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconnect rating/120 V trans	
		RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
13 (12.5)	208-3-60	30.0	53.1	23.2	142	4.7	13.2	6.7	9.6	None	-	-	-	96.7	125	103	280	106.3	125	114	289
										2EH04522525	18.8	1	52.1	98.4	125	103	280	110.4	125	114	289
										2EH04525025	37.6	2	104.3	163.6	175	151	280	175.6	200	162	289
	230-3-60	30.0	53.1	23.2	142	4.7	13.2	6.7	8.7	None	-	-	-	96.7	125	103	287	105.4	125	113	296
										2EH04522525	23.0	1	57.7	105.4	125	103	287	116.3	125	113	296
										2EH04525025	45.9	2	115.2	177.3	200	163	287	188.1	200	173	296
	460-3-60	15.0	27.6	9.5	73.1	2.3	6.1	3.4	4.3	None	-	-	-	45.8	60	48	147	50.1	60	53	151
										2EH04522546	23.0	1	28.8	52.1	60	48	147	57.5	60	53	151
										2EH04525046	45.9	2	57.6	88.1	90	81	147	93.5	100	86	151
	575-3-60	13.0	21.6	7.8	55	1.9	4.9	2.7	3.5	None	-	-	-	38.2	50	40	112	41.7	50	44	115
										2EH04522558	23.0	1	23.0	41.6	50	40	112	46.0	50	44	115
										2EH04525058	45.9	2	46.0	70.4	80	65	112	74.8	80	69	115
15 (15)	208-3-60	33.0	53.1	26.3	178.5	4.7	13.2	6.7	9.6	None	-	-	-	103.6	125	110	316	113.2	125	121	326
										2EH04502525	18.8	1	52.1	103.6	125	110	316	113.2	125	121	326
										2EH04505025	37.6	2	104.3	163.6	175	151	316	175.6	200	162	326
										2EH04507525	56.3	2	156.2	189.5	200	210	316	201.5	225	221	326
	230-3-60	33.0	53.1	26.3	178.5	4.7	13.2	6.7	8.7	None	-	-	-	103.6	125	110	323	112.3	125	120	332
										2EH04502525	23.0	1	57.7	105.4	125	110	323	116.3	125	120	332
										2EH04505025	45.9	2	115.2	177.3	200	163	323	188.1	200	173	332
										2EH04507525	68.9	2	172.9	206.2	225	229	323	217.0	225	239	332
	460-3-60	16.0	27.6	11.0	95.3	2.3	6.1	3.4	4.3	None	-	-	-	48.5	60	51	169	52.8	60	56	173
										2EH04502546	23.0	1	28.8	52.1	60	51	169	57.5	60	56	173
										2EH04505046	45.9	2	57.6	88.1	90	81	169	93.5	100	86	173
										2EH04507546	68.9	2	86.4	102.5	110	114	169	107.9	110	119	173
	575-3-60	13.0	21.6	9.2	65	1.9	4.9	2.7	3.5	None	-	-	-	39.6	50	42	122	43.1	50	46	125
										2EH04502558	23.0	1	23.0	41.6	50	42	122	46.0	50	46	125
										2EH04505058	45.9	2	46.0	70.4	80	65	122	74.8	80	69	125
										2EH04507558	68.9	2	69.1	82.0	90	91	122	86.4	90	95	125
18 (17.5)	208-3-60	37.0	53.1	27.7	178.5	4.7	13.2	6.7	9.6	None	-	-	-	119.4	150	127	336	129.0	150	138	346
										2EH04502525	18.8	1	52.1	119.4	150	127	336	129.0	150	138	346
										2EH04505025	37.6	2	104.3	163.6	175	151	336	175.6	200	162	346
										2EH04507525	56.3	2	156.2	189.5	200	210	336	201.5	225	221	346
	230-3-60	37.0	53.1	27.7	178.5	4.7	13.2	6.7	8.7	None	-	-	-	119.4	150	127	344	128.1	150	137	353
										2EH04502525	23.0	1	57.7	119.4	150	127	344	128.1	150	137	353
										2EH04505025	45.9	2	115.2	177.3	200	163	344	188.1	200	173	353
										2EH04507525	68.9	2	172.9	206.2	225	229	344	217.0	225	239	353
	460-3-60	18.0	27.6	11.5	103	2.3	6.1	3.4	4.3	None	-	-	-	56.1	70	59	187	60.4	70	64	191
										2EH04502546	23.0	1	28.8	56.1	70	59	187	60.4	70	64	191
										2EH04505046	45.9	2	57.6	88.1	90	81	187	93.5	100	86	191
										2EH04507546	68.9	2	86.4	102.5	110	114	187	107.9	110	119	191
	575-3-60	15.0	21.6	9.0	78	1.9	4.9	2.7	3.5	None	-	-	-	45.7	60	48	153	49.2	60	52	156
										2EH04502558	23.0	1	23.0	45.7	60	48	153	49.2	60	52	156
										2EH04505058	45.9	2	46.0	70.4	80	65	153	74.8	80	69	156
										2EH04507558	68.9	2	69.1	82.0	90	91	153	86.4	90	95	156

Table 64: KE13 to KE23 VFD standard static with modulating power exhaust

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		OD fan motors each FLA	Supply blower motor FLA	Pwr exh motor FLA	120 V trans FLA	Electric heat option field installed kit				MCA A	Max f/b size A	Min disconnect rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconnect rating/120 V trans	
		RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
20 (20)	208-3-60	51.0	68.3	28.7	207.5	4.7	20.4	6.7	9.6	None	-	-	-	145.1	175	152	411	154.7	200	163	420
										2EH04502525	18.8	1	52.1	145.1	175	152	411	154.7	200	163	420
										2EH04505025	37.6	2	104.3	172.6	175	159	411	184.6	200	170	420
										2EH04507525	56.3	2	156.2	198.5	200	219	411	210.5	225	230	420
	230-3-60	51.0	68.3	28.7	207.5	4.7	20.4	6.7	8.7	None	-	-	-	145.1	175	152	410	153.8	200	162	419
										2EH04502525	23.0	1	57.7	145.1	175	152	410	153.8	200	162	419
										2EH04505025	45.9	2	115.2	186.3	200	171	410	197.1	200	181	419
										2EH04507525	68.9	2	172.9	215.2	225	238	410	226.0	250	248	419
	460-3-60	25.0	35.7	12.4	100.2	2.3	9.9	3.4	4.3	None	-	-	-	69.6	90	73	203	73.9	90	78	207
										2EH04502546	23.0	1	28.8	69.6	90	73	203	73.9	90	78	207
										2EH04505046	45.9	2	57.6	92.9	100	85	203	98.3	100	90	207
										2EH04507546	68.9	2	86.4	107.3	110	119	203	112.7	125	124	207
	575-3-60	20.0	32.4	9.0	78	1.9	7.7	2.7	3.5	None	-	-	-	54.7	70	57	163	58.2	70	61	167
										2EH04502558	23.0	1	23.0	54.7	70	57	163	58.2	70	61	167
										2EH04505058	45.9	2	46.0	73.9	80	68	163	78.3	80	72	167
										2EH04507558	68.9	2	69.1	85.5	90	95	163	89.9	90	99	167
23 (23)	208-3-60	62.0	68.3	28.5	255	4.7	20.4	6.7	9.6	None	-	-	-	158.6	200	165	458	168.2	225	176	468
										2EH04502525	18.8	1	52.1	158.6	200	165	458	168.2	225	176	468
										2EH04505025	37.6	2	104.3	172.6	200	165	458	184.6	225	176	468
										2EH04507525	56.3	2	156.2	198.5	200	219	458	210.5	225	230	468
	230-3-60	62.0	68.3	28.5	255	4.7	20.4	6.7	8.7	None	-	-	-	158.6	200	165	458	167.3	225	175	466
										2EH04502525	23.0	1	57.7	158.6	200	165	458	167.3	225	175	466
										2EH04505025	45.9	2	115.2	186.3	200	171	458	197.1	225	181	466
										2EH04507525	68.9	2	172.9	215.2	225	238	458	226.0	250	248	466
	460-3-60	30.0	35.7	13.5	123	2.3	9.9	3.4	4.3	None	-	-	-	76.9	100	80	226	81.2	110	85	230
										2EH04502546	23.0	1	28.8	76.9	100	80	226	81.2	110	85	230
										2EH04505046	45.9	2	57.6	92.9	100	85	226	98.3	110	90	230
										2EH04507546	68.9	2	86.4	107.3	110	119	226	112.7	125	124	230
	575-3-60	25.0	32.4	10.7	93.7	1.9	7.7	2.7	3.5	None	-	-	-	62.7	80	65	179	66.2	90	69	183
										2EH04502558	23.0	1	23.0	62.7	80	65	179	66.2	90	69	183
										2EH04505058	45.9	2	46.0	73.9	80	68	179	78.3	90	72	183
										2EH04507558	68.9	2	69.1	85.5	90	95	179	89.9	90	99	183

VFD medium static

Table 65: KE13 to KE23 VFD medium static without power exhaust

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		OD fan motors each FLA	Supply blower motor FLA	120 V trans FLA	Electric heat option field installed kit				MCA A	Max f/b size A	Min disconnect rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconnect rating/120 V trans	
		RLA	LRA	RLA	LRA				Model	kW	Stages	A			FLA	LRA			FLA	LRA
13 (12.5)	208-3-60	30.0	53.1	23.2	142	4.7	13.2	9.6	None	-	-	-	83.3	110	87	277	92.9	110	98	287
									2EH04522525	18.8	1	52.1	83.3	110	87	277	93.6	110	98	287
									2EH04525025	37.6	2	104.3	146.9	150	135	277	158.9	175	146	287
	230-3-60	30.0	53.1	23.2	142	4.7	13.2	8.7	None	-	-	-	83.3	110	87	285	92.0	110	97	294
									2EH04522525	23.0	1	57.7	88.6	110	87	285	99.5	110	97	294
									2EH04525025	45.9	2	115.2	160.5	175	148	285	171.4	175	158	294
	460-3-60	15.0	27.6	9.5	73.1	2.3	6.1	4.3	None	-	-	-	39.0	50	40	146	43.3	50	45	150
									2EH04522546	23.0	1	28.8	43.6	50	40	146	49.0	50	45	150
									2EH04525046	45.9	2	57.6	79.6	80	73	146	85.0	90	78	150
	575-3-60	13.0	21.6	7.8	55	1.9	4.9	3.5	None	-	-	-	32.8	45	34	120	36.3	45	38	124
									2EH04522558	23.0	1	23.0	34.9	45	34	120	39.3	45	38	124
									2EH04525058	45.9	2	46.0	63.6	70	59	120	68.0	70	63	124
15 (15)	208-3-60	33.0	53.1	26.3	178.5	4.7	13.2	9.6	None	-	-	-	90.2	110	94	314	99.8	125	105	323
									2EH04502525	18.8	1	52.1	90.2	110	94	314	99.8	125	105	323
									2EH04505025	37.6	2	104.3	146.9	150	135	314	158.9	175	146	323
									2EH04507525	56.3	2	156.2	172.7	200	195	314	184.7	200	206	323
	230-3-60	33.0	53.1	26.3	178.5	4.7	13.2	8.7	None	-	-	-	90.2	110	94	322	98.9	125	104	330
									2EH04502525	23.0	1	57.7	90.2	110	94	322	99.5	125	104	330
									2EH04505025	45.9	2	115.2	160.5	175	148	322	171.4	175	158	330
									2EH04507525	68.9	2	172.9	189.4	225	214	322	200.3	225	224	330
	460-3-60	16.0	27.6	11.0	95.3	2.3	6.1	4.3	None	-	-	-	41.7	50	43	168	46.0	60	48	172
									2EH04502546	23.0	1	28.8	43.6	50	43	168	49.0	60	48	172
									2EH04505046	45.9	2	57.6	79.6	80	73	168	85.0	90	78	172
									2EH04507546	68.9	2	86.4	94.0	110	106	168	99.4	110	111	172
	575-3-60	13.0	21.6	9.2	65	1.9	4.9	3.5	None	-	-	-	34.2	45	36	130	37.7	50	40	134
									2EH04502558	23.0	1	23.0	34.9	45	36	130	39.3	50	40	134
									2EH04505058	45.9	2	46.0	63.6	70	59	130	68.0	70	63	134
									2EH04507558	68.9	2	69.1	75.2	90	85	130	79.6	90	89	134
18 (17.5)	208-3-60	37.0	53.1	27.7	178.5	4.7	20.4	9.6	None	-	-	-	113.2	150	119	353	122.8	150	131	363
									2EH04502525	18.8	1	52.1	113.2	150	119	353	122.8	150	131	363
									2EH04505025	37.6	2	104.3	155.9	175	143	353	167.9	175	154	363
									2EH04507525	56.3	2	156.2	181.7	200	203	353	193.7	200	214	363
	230-3-60	37.0	53.1	27.7	178.5	4.7	20.4	8.7	None	-	-	-	113.2	150	119	352	121.9	150	129	361
									2EH04502525	23.0	1	57.7	113.2	150	119	352	121.9	150	129	361
									2EH04505025	45.9	2	115.2	169.5	175	156	352	180.4	200	166	361
									2EH04507525	68.9	2	172.9	198.4	225	222	352	209.3	225	232	361
	460-3-60	18.0	27.6	11.5	103	2.3	9.9	4.3	None	-	-	-	53.1	70	56	191	57.4	70	61	195
									2EH04502546	23.0	1	28.8	53.1	70	56	191	57.4	70	61	195
									2EH04505046	45.9	2	57.6	84.4	90	78	191	89.8	90	83	195
									2EH04507546	68.9	2	86.4	98.8	110	111	191	104.2	110	116	195
	575-3-60	15.0	21.6	9.0	78	1.9	7.7	3.5	None	-	-	-	43.1	50	45	147	46.6	60	49	151
									2EH04502558	23.0	1	23.0	43.1	50	45	147	46.6	60	49	151
									2EH04505058	45.9	2	46.0	67.1	70	62	147	71.5	80	66	151
									2EH04507558	68.9	2	69.1	78.7	90	88	147	83.1	90	92	151

Table 65: KE13 to KE23 VFD medium static without power exhaust

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		OD fan motors each FLA	Supply blower motor FLA	120 V trans FLA	Electric heat option field installed kit				MCA A	Max f/b size A	Min disconnect rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconnect rating/120 V trans	
		RLA	LRA	RLA	LRA				Model	kW	Stages	A			FLA	LRA			FLA	LRA
20 (20)	208-3-60	51.0	68.3	28.7	207.5	4.7	20.4	9.6	None	-	-	-	131.7	175	137	397	141.3	175	148	407
									2EH04502525	18.8	1	52.1	131.7	175	137	397	141.3	175	148	407
									2EH04505025	37.6	2	104.3	155.9	175	143	397	167.9	175	154	407
									2EH04507525	56.3	2	156.2	181.7	200	203	397	193.7	200	214	407
	230-3-60	51.0	68.3	28.7	207.5	4.7	20.4	8.7	None	-	-	-	131.7	175	137	397	140.4	175	147	405
									2EH04502525	23.0	1	57.7	131.7	175	137	397	140.4	175	147	405
									2EH04505025	45.9	2	115.2	169.5	175	156	397	180.4	200	166	405
									2EH04507525	68.9	2	172.9	198.4	225	222	397	209.3	225	232	405
	460-3-60	25.0	35.7	12.4	100.2	2.3	9.9	4.3	None	-	-	-	62.8	80	65	196	67.1	90	70	200
									2EH04502546	23.0	1	28.8	62.8	80	65	196	67.1	90	70	200
									2EH04505046	45.9	2	57.6	84.4	90	78	196	89.8	90	83	200
									2EH04507546	68.9	2	86.4	98.8	110	111	196	104.2	110	116	200
	575-3-60	20.0	32.4	9.0	78	1.9	7.7	3.5	None	-	-	-	49.3	60	51	158	52.8	70	55	162
									2EH04502558	23.0	1	23.0	49.3	60	51	158	52.8	70	55	162
									2EH04505058	45.9	2	46.0	67.1	70	62	158	71.5	80	66	162
									2EH04507558	68.9	2	69.1	78.7	90	88	158	83.1	90	92	162
23 (23)	208-3-60	62.0	68.3	28.5	255	4.7	30.0	9.6	None	-	-	-	154.8	200	160	472	164.4	225	171	481
									2EH04502525	18.8	1	52.1	154.8	200	160	472	164.4	225	171	481
									2EH04505025	37.6	2	104.3	167.9	200	160	472	179.9	225	171	481
									2EH04507525	56.3	2	156.2	193.7	200	214	472	205.7	225	225	481
	230-3-60	62.0	68.3	28.5	255	4.7	30.0	8.7	None	-	-	-	154.8	200	160	472	163.5	225	170	480
									2EH04502525	23.0	1	57.7	154.8	200	160	472	163.5	225	170	480
									2EH04505025	45.9	2	115.2	181.5	200	167	472	192.4	225	177	480
									2EH04507525	68.9	2	172.9	210.4	225	233	472	221.3	225	243	480
	460-3-60	30.0	35.7	13.5	123	2.3	14.3	4.3	None	-	-	-	74.5	100	77	233	78.8	100	82	237
									2EH04502546	23.0	1	28.8	74.5	100	77	233	78.8	100	82	237
									2EH04505046	45.9	2	57.6	89.9	100	83	233	95.3	100	88	237
									2EH04507546	68.9	2	86.4	104.3	110	116	233	109.7	110	121	237
	575-3-60	25.0	32.4	10.7	93.7	1.9	11.5	3.5	None	-	-	-	61.1	80	63	183	64.6	80	67	186
									2EH04502558	23.0	1	23.0	61.1	80	63	183	64.6	80	67	186
									2EH04505058	45.9	2	46.0	71.9	80	66	183	76.3	80	70	186
									2EH04507558	68.9	2	69.1	83.5	90	93	183	87.9	90	97	186

Table 66: KE13 to KE23 VFD medium static with on/off power exhaust

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		OD fan motors each FLA	Supply blower motor FLA	Pwr exh motor FLA	120 V trans FLA	Electric heat option field installed kit				MCA A	Max f/b size A	Min disconnect rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconnect rating/120 V trans	
		RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
13 (12.5)	208-3-60	30.0	53.1	23.2	142	4.7	13.2	5.0	9.6	None	-	-	-	93.3	110	99	298	102.9	125	110	308
										2EH04522525	18.8	1	52.1	94.1	110	99	298	106.1	125	110	308
										2EH04525025	37.6	2	104.3	159.4	175	147	298	171.4	175	158	308
	230-3-60	30.0	53.1	23.2	142	4.7	13.2	5.0	8.7	None	-	-	-	93.3	110	99	306	102.0	125	109	315
										2EH04522525	23.0	1	57.7	101.1	110	99	306	112.0	125	109	315
										2EH04525025	45.9	2	115.2	173.0	175	159	306	183.9	200	169	315
	460-3-60	15.0	27.6	9.5	73.1	2.3	6.1	2.2	4.3	None	-	-	-	43.4	50	46	155	47.7	60	50	159
										2EH04522546	23.0	1	28.8	49.1	50	46	155	54.5	60	50	159
										2EH04525046	45.9	2	57.6	85.1	90	78	155	90.5	100	83	159
	575-3-60	13.0	21.6	7.8	55	1.9	4.9	1.5	3.5	None	-	-	-	35.8	45	37	127	39.3	50	41	130
										2EH04522558	23.0	1	23.0	38.6	45	37	127	43.0	50	41	130
										2EH04525058	45.9	2	46.0	67.4	70	62	127	71.8	80	66	130
15 (15)	208-3-60	33.0	53.1	26.3	178.5	4.7	13.2	5.0	9.6	None	-	-	-	100.2	125	106	335	109.8	125	117	344
										2EH04502525	18.8	1	52.1	100.2	125	106	335	109.8	125	117	344
										2EH04505025	37.6	2	104.3	159.4	175	147	335	171.4	175	158	344
										2EH04507525	56.3	2	156.2	185.2	200	206	335	197.2	200	217	344
	230-3-60	33.0	53.1	26.3	178.5	4.7	13.2	5.0	8.7	None	-	-	-	100.2	125	106	343	108.9	125	116	351
										2EH04502525	23.0	1	57.7	101.1	125	106	343	112.0	125	116	351
										2EH04505025	45.9	2	115.2	173.0	175	159	343	183.9	200	169	351
										2EH04507525	68.9	2	172.9	201.9	225	226	343	212.8	225	236	351
	460-3-60	16.0	27.6	11.0	95.3	2.3	6.1	2.2	4.3	None	-	-	-	46.1	60	48	177	50.4	60	53	181
										2EH04502546	23.0	1	28.8	49.1	60	48	177	54.5	60	53	181
										2EH04505046	45.9	2	57.6	85.1	90	78	177	90.5	100	83	181
										2EH04507546	68.9	2	86.4	99.5	110	111	177	104.9	110	116	181
	575-3-60	13.0	21.6	9.2	65	1.9	4.9	1.5	3.5	None	-	-	-	37.2	50	39	137	40.7	50	43	140
										2EH04502558	23.0	1	23.0	38.6	50	39	137	43.0	50	43	140
										2EH04505058	45.9	2	46.0	67.4	70	62	137	71.8	80	66	140
										2EH04507558	68.9	2	69.1	79.0	90	89	137	83.4	90	93	140
18 (17.5)	208-3-60	37.0	53.1	27.7	178.5	4.7	20.4	5.0	9.6	None	-	-	-	123.2	150	131	374	132.8	150	142	384
										2EH04502525	18.8	1	52.1	123.2	150	131	374	132.8	150	142	384
										2EH04505025	37.6	2	104.3	168.4	175	155	374	180.4	200	166	384
										2EH04507525	56.3	2	156.2	194.2	200	215	374	206.2	225	226	384
	230-3-60	37.0	53.1	27.7	178.5	4.7	20.4	5.0	8.7	None	-	-	-	123.2	150	131	373	131.9	150	141	382
										2EH04502525	23.0	1	57.7	123.2	150	131	373	131.9	150	141	382
										2EH04505025	45.9	2	115.2	182.0	200	167	373	192.9	200	177	382
										2EH04507525	68.9	2	172.9	210.9	225	234	373	221.8	225	244	382
	460-3-60	18.0	27.6	11.5	103	2.3	9.9	2.2	4.3	None	-	-	-	57.5	70	61	200	61.8	70	66	204
										2EH04502546	23.0	1	28.8	57.5	70	61	200	61.8	70	66	204
										2EH04505046	45.9	2	57.6	89.9	90	83	200	95.3	100	88	204
										2EH04507546	68.9	2	86.4	104.3	110	116	200	109.7	110	121	204
	575-3-60	15.0	21.6	9.0	78	1.9	7.7	1.5	3.5	None	-	-	-	46.1	60	49	154	49.6	60	53	157
										2EH04502558	23.0	1	23.0	46.1	60	49	154	49.6	60	53	157
										2EH04505058	45.9	2	46.0	70.9	80	65	154	75.3	80	69	157
										2EH04507558	68.9	2	69.1	82.5	90	92	154	86.9	90	96	157

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Table 66: KE13 to KE23 VFD medium static with on/off power exhaust

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		OD fan motors each FLA	Supply blower motor FLA	Pwr exh motor FLA	120 V trans FLA	Electric heat option field installed kit				MCA A	Max f/b size A	Min disconnect rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconnect rating/120 V trans	
		RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
20 (20)	208-3-60	51.0	68.3	28.7	207.5	4.7	20.4	5.0	9.6	None	-	-	-	141.7	175	148	418	151.3	200	159	428
										2EH04502525	18.8	1	52.1	141.7	175	148	418	151.3	200	159	428
										2EH04505025	37.6	2	104.3	168.4	175	155	418	180.4	200	166	428
										2EH04507525	56.3	2	156.2	194.2	200	215	418	206.2	225	226	428
	230-3-60	51.0	68.3	28.7	207.5	4.7	20.4	5.0	8.7	None	-	-	-	141.7	175	148	418	150.4	200	158	426
										2EH04502525	23.0	1	57.7	141.7	175	148	418	150.4	200	158	426
										2EH04505025	45.9	2	115.2	182.0	200	167	418	192.9	200	177	426
										2EH04507525	68.9	2	172.9	210.9	225	234	418	221.8	225	244	426
	460-3-60	25.0	35.7	12.4	100.2	2.3	9.9	2.2	4.3	None	-	-	-	67.2	90	70	205	71.5	90	75	210
										2EH04502546	23.0	1	28.8	67.2	90	70	205	71.5	90	75	210
										2EH04505046	45.9	2	57.6	89.9	90	83	205	95.3	100	88	210
										2EH04507546	68.9	2	86.4	104.3	110	116	205	109.7	110	121	210
	575-3-60	20.0	32.4	9.0	78	1.9	7.7	1.5	3.5	None	-	-	-	52.3	70	54	164	55.8	70	58	168
										2EH04502558	23.0	1	23.0	52.3	70	54	164	55.8	70	58	168
										2EH04505058	45.9	2	46.0	70.9	80	65	164	75.3	80	69	168
										2EH04507558	68.9	2	69.1	82.5	90	92	164	86.9	90	96	168
23 (23)	208-3-60	62.0	68.3	28.5	255	4.7	30.0	5.0	9.6	None	-	-	-	164.8	225	172	493	174.4	225	183	502
										2EH04502525	18.8	1	52.1	164.8	225	172	493	174.4	225	183	502
										2EH04505025	37.6	2	104.3	180.4	225	172	493	192.4	225	183	502
										2EH04507525	56.3	2	156.2	206.2	225	226	493	218.2	225	237	502
	230-3-60	62.0	68.3	28.5	255	4.7	30.0	5.0	8.7	None	-	-	-	164.8	225	172	493	173.5	225	182	501
										2EH04502525	23.0	1	57.7	164.8	225	172	493	173.5	225	182	501
										2EH04505025	45.9	2	115.2	194.0	225	178	493	204.9	225	188	501
										2EH04507525	68.9	2	172.9	222.9	250	245	493	233.8	250	255	501
	460-3-60	30.0	35.7	13.5	123	2.3	14.3	2.2	4.3	None	-	-	-	78.9	100	82	242	83.2	110	87	246
										2EH04502546	23.0	1	28.8	78.9	100	82	242	83.2	110	87	246
										2EH04505046	45.9	2	57.6	95.4	100	88	242	100.8	110	93	246
										2EH04507546	68.9	2	86.4	109.8	110	121	242	115.2	125	126	246
	575-3-60	25.0	32.4	10.7	93.7	1.9	11.5	1.5	3.5	None	-	-	-	64.1	80	66	189	67.6	90	70	192
										2EH04502558	23.0	1	23.0	64.1	80	66	189	67.6	90	70	192
										2EH04505058	45.9	2	46.0	75.6	80	70	189	80.0	90	74	192
										2EH04507558	68.9	2	69.1	87.2	90	96	189	91.6	100	100	192

Table 67: KE13 to KE23 VFD medium static with modulating power exhaust

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		OD fan motors each FLA	Supply blower motor FLA	Pwr exh motor FLA	120 V trans FLA	Electric heat option field installed kit				MCA A	Max f/b size A	Min disconnect rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconnect rating/120 V trans	
		RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
13 (12.5)	208-3-60	30.0	53.1	23.2	142	4.7	13.2	6.7	9.6	None	-	-	-	96.7	125	103	290	106.3	125	114	300
										2EH04522525	18.8	1	52.1	98.4	125	103	290	110.4	125	114	300
										2EH04525025	37.6	2	104.3	163.6	175	151	290	175.6	200	162	300
	230-3-60	30.0	53.1	23.2	142	4.7	13.2	6.7	8.7	None	-	-	-	96.7	125	103	299	105.4	125	113	307
										2EH04522525	23.0	1	57.7	105.4	125	103	299	116.3	125	113	307
										2EH04525025	45.9	2	115.2	177.3	200	163	299	188.1	200	173	307
	460-3-60	15.0	27.6	9.5	73.1	2.3	6.1	3.4	4.3	None	-	-	-	45.8	60	48	152	50.1	60	53	157
										2EH04522546	23.0	1	28.8	52.1	60	48	152	57.5	60	53	157
										2EH04525046	45.9	2	57.6	88.1	90	81	152	93.5	100	86	157
	575-3-60	13.0	21.6	7.8	55	1.9	4.9	2.7	3.5	None	-	-	-	38.2	50	40	126	41.7	50	44	129
										2EH04522558	23.0	1	23.0	41.6	50	40	126	46.0	50	44	129
										2EH04525058	45.9	2	46.0	70.4	80	65	126	74.8	80	69	129
15 (15)	208-3-60	33.0	53.1	26.3	178.5	4.7	13.2	6.7	9.6	None	-	-	-	103.6	125	110	327	113.2	125	121	337
										2EH04502525	18.8	1	52.1	103.6	125	110	327	113.2	125	121	337
										2EH04505025	37.6	2	104.3	163.6	175	151	327	175.6	200	162	337
										2EH04507525	56.3	2	156.2	189.5	200	210	327	201.5	225	221	337
	230-3-60	33.0	53.1	26.3	178.5	4.7	13.2	6.7	8.7	None	-	-	-	103.6	125	110	335	112.3	125	120	344
										2EH04502525	23.0	1	57.7	105.4	125	110	335	116.3	125	120	344
										2EH04505025	45.9	2	115.2	177.3	200	163	335	188.1	200	173	344
										2EH04507525	68.9	2	172.9	206.2	225	229	335	217.0	225	239	344
	460-3-60	16.0	27.6	11.0	95.3	2.3	6.1	3.4	4.3	None	-	-	-	48.5	60	51	175	52.8	60	56	179
										2EH04502546	23.0	1	28.8	52.1	60	51	175	57.5	60	56	179
										2EH04505046	45.9	2	57.6	88.1	90	81	175	93.5	100	86	179
										2EH04507546	68.9	2	86.4	102.5	110	114	175	107.9	110	119	179
	575-3-60	13.0	21.6	9.2	65	1.9	4.9	2.7	3.5	None	-	-	-	39.6	50	42	136	43.1	50	46	139
										2EH04502558	23.0	1	23.0	41.6	50	42	136	46.0	50	46	139
										2EH04505058	45.9	2	46.0	70.4	80	65	136	74.8	80	69	139
										2EH04507558	68.9	2	69.1	82.0	90	91	136	86.4	90	95	139
18 (17.5)	208-3-60	37.0	53.1	27.7	178.5	4.7	20.4	6.7	9.6	None	-	-	-	126.6	150	135	367	136.2	150	146	376
										2EH04502525	18.8	1	52.1	126.6	150	135	367	136.2	150	146	376
										2EH04505025	37.6	2	104.3	172.6	175	159	367	184.6	200	170	376
										2EH04507525	56.3	2	156.2	198.5	200	219	367	210.5	225	230	376
	230-3-60	37.0	53.1	27.7	178.5	4.7	20.4	6.7	8.7	None	-	-	-	126.6	150	135	366	135.3	150	145	375
										2EH04502525	23.0	1	57.7	126.6	150	135	366	135.3	150	145	375
										2EH04505025	45.9	2	115.2	186.3	200	171	366	197.1	200	181	375
										2EH04507525	68.9	2	172.9	215.2	225	238	366	226.0	250	248	375
	460-3-60	18.0	27.6	11.5	103	2.3	9.9	3.4	4.3	None	-	-	-	59.9	70	64	198	64.2	80	69	202
										2EH04502546	23.0	1	28.8	59.9	70	64	198	64.2	80	69	202
										2EH04505046	45.9	2	57.6	92.9	100	85	198	98.3	100	90	202
										2EH04507546	68.9	2	86.4	107.3	110	119	198	112.7	125	124	202
	575-3-60	15.0	21.6	9.0	78	1.9	7.7	2.7	3.5	None	-	-	-	48.5	60	51	153	52.0	60	55	156
										2EH04502558	23.0	1	23.0	48.5	60	51	153	52.0	60	55	156
										2EH04505058	45.9	2	46.0	73.9	80	68	153	78.3	80	72	156
										2EH04507558	68.9	2	69.1	85.5	90	95	153	89.9	90	99	156

Table 67: KE13 to KE23 VFD medium static with modulating power exhaust

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		OD fan motors each FLA	Supply blower motor FLA	Pwr exh motor FLA	120 V trans FLA	Electric heat option field installed kit				MCA A	Max f/b size A	Min disconnect rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconnect rating/120 V trans	
		RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
20 (20)	208-3-60	51.0	68.3	28.7	207.5	4.7	20.4	6.7	9.6	None	-	-	-	145.1	175	152	411	154.7	200	163	420
										2EH04502525	18.8	1	52.1	145.1	175	152	411	154.7	200	163	420
										2EH04505025	37.6	2	104.3	172.6	175	159	411	184.6	200	170	420
										2EH04507525	56.3	2	156.2	198.5	200	219	411	210.5	225	230	420
	230-3-60	51.0	68.3	28.7	207.5	4.7	20.4	6.7	8.7	None	-	-	-	145.1	175	152	410	153.8	200	162	419
										2EH04502525	23.0	1	57.7	145.1	175	152	410	153.8	200	162	419
										2EH04505025	45.9	2	115.2	186.3	200	171	410	197.1	200	181	419
										2EH04507525	68.9	2	172.9	215.2	225	238	410	226.0	250	248	419
	460-3-60	25.0	35.7	12.4	100.2	2.3	9.9	3.4	4.3	None	-	-	-	69.6	90	73	203	73.9	90	78	207
										2EH04502546	23.0	1	28.8	69.6	90	73	203	73.9	90	78	207
										2EH04505046	45.9	2	57.6	92.9	100	85	203	98.3	100	90	207
										2EH04507546	68.9	2	86.4	107.3	110	119	203	112.7	125	124	207
	575-3-60	20.0	32.4	9.0	78	1.9	7.7	2.7	3.5	None	-	-	-	54.7	70	57	163	58.2	70	61	167
										2EH04502558	23.0	1	23.0	54.7	70	57	163	58.2	70	61	167
										2EH04505058	45.9	2	46.0	73.9	80	68	163	78.3	80	72	167
										2EH04507558	68.9	2	69.1	85.5	90	95	163	89.9	90	99	167
23 (23)	208-3-60	62.0	68.3	28.5	255	4.7	30.0	6.7	9.6	None	-	-	-	168.2	225	176	485	177.8	225	187	495
										2EH04502525	18.8	1	52.1	168.2	225	176	485	177.8	225	187	495
										2EH04505025	37.6	2	104.3	184.6	225	176	485	196.6	225	187	495
										2EH04507525	56.3	2	156.2	210.5	225	230	485	222.5	225	241	495
	230-3-60	62.0	68.3	28.5	255	4.7	30.0	6.7	8.7	None	-	-	-	168.2	225	176	485	176.9	225	186	494
										2EH04502525	23.0	1	57.7	168.2	225	176	485	176.9	225	186	494
										2EH04505025	45.9	2	115.2	198.3	225	182	485	209.1	225	192	494
										2EH04507525	68.9	2	172.9	227.2	250	249	485	238.0	250	259	494
	460-3-60	30.0	35.7	13.5	123	2.3	14.3	3.4	4.3	None	-	-	-	81.3	110	85	239	85.6	110	90	244
										2EH04502546	23.0	1	28.8	81.3	110	85	239	85.6	110	90	244
										2EH04505046	45.9	2	57.6	98.4	110	91	239	103.8	110	95	244
										2EH04507546	68.9	2	86.4	112.8	125	124	239	118.2	125	129	244
	575-3-60	25.0	32.4	10.7	93.7	1.9	11.5	2.7	3.5	None	-	-	-	66.5	90	69	188	70.0	90	73	191
										2EH04502558	23.0	1	23.0	66.5	90	69	188	70.0	90	73	191
										2EH04505058	45.9	2	46.0	78.6	90	72	188	83.0	90	76	191
										2EH04507558	68.9	2	69.1	90.2	100	99	188	94.6	100	103	191

VFD high static

Table 68: KE13 to KE23 VFD high static without power exhaust

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		OD fan motors each FLA	Supply blower motor FLA	120 V trans FLA	Electric heat option field installed kit				MCA A	Max f/b size A	Min disconnect rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconnect rating 120 V trans	
		RLA	LRA	RLA	LRA				Model	kW	Stages	A			FLA	LRA			FLA	LRA
13 (12.5)	208-3-60	30.0	53.1	23.2	142	4.7	20.4	9.6	None	-	-	-	90.5	110	95	307	100.1	125	106	317
									2EH04522525	18.8	1	52.1	90.6	110	95	307	102.6	125	106	317
									2EH04525025	37.6	2	104.3	155.9	175	143	307	167.9	175	154	317
	230-3-60	30.0	53.1	23.2	142	4.7	20.4	8.7	None	-	-	-	90.5	110	95	307	99.2	125	105	315
									2EH04522525	23.0	1	57.7	97.6	110	95	307	108.5	125	105	315
									2EH04525025	45.9	2	115.2	169.5	175	156	307	180.4	200	166	315
	460-3-60	15.0	27.6	9.5	73.1	2.3	9.9	4.3	None	-	-	-	42.8	50	45	156	47.1	60	50	161
									2EH04522546	23.0	1	28.8	48.4	50	45	156	53.8	60	50	161
									2EH04525046	45.9	2	57.6	84.4	90	78	156	89.8	90	83	161
	575-3-60	13.0	21.6	7.8	55	1.9	7.7	3.5	None	-	-	-	35.6	45	37	120	39.1	50	41	124
									2EH04522558	23.0	1	23.0	38.4	45	37	120	42.8	50	41	124
									2EH04525058	45.9	2	46.0	67.1	70	62	120	71.5	80	66	124
15 (15)	208-3-60	33.0	53.1	26.3	178.5	4.7	20.4	9.6	None	-	-	-	97.4	125	102	344	107.0	125	114	353
									2EH04502525	18.8	1	52.1	97.4	125	102	344	107.0	125	114	353
									2EH04505025	37.6	2	104.3	155.9	175	143	344	167.9	175	154	353
									2EH04507525	56.3	2	156.2	181.7	200	203	344	193.7	200	214	353
	230-3-60	33.0	53.1	26.3	178.5	4.7	20.4	8.7	None	-	-	-	97.4	125	102	343	106.1	125	112	352
									2EH04502525	23.0	1	57.7	97.6	125	102	343	108.5	125	112	352
									2EH04505025	45.9	2	115.2	169.5	175	156	343	180.4	200	166	352
									2EH04507525	68.9	2	172.9	198.4	225	222	343	209.3	225	232	352
	460-3-60	16.0	27.6	11.0	95.3	2.3	9.9	4.3	None	-	-	-	45.5	60	48	179	49.8	60	53	183
									2EH04502546	23.0	1	28.8	48.4	60	48	179	53.8	60	53	183
									2EH04505046	45.9	2	57.6	84.4	90	78	179	89.8	90	83	183
									2EH04507546	68.9	2	86.4	98.8	110	111	179	104.2	110	116	183
	575-3-60	13.0	21.6	9.2	65	1.9	7.7	3.5	None	-	-	-	37.0	50	39	130	40.5	50	43	134
									2EH04502558	23.0	1	23.0	38.4	50	39	130	42.8	50	43	134
									2EH04505058	45.9	2	46.0	67.1	70	62	130	71.5	80	66	134
									2EH04507558	68.9	2	69.1	78.7	90	88	130	83.1	90	92	134
18 (17.5)	208-3-60	37.0	53.1	27.7	178.5	4.7	30.0	9.6	None	-	-	-	122.8	150	131	380	132.4	150	142	390
									2EH04502525	18.8	1	52.1	122.8	150	131	380	132.4	150	142	390
									2EH04505025	37.6	2	104.3	167.9	175	154	380	179.9	200	165	390
									2EH04507525	56.3	2	156.2	193.7	200	214	380	205.7	225	225	390
	230-3-60	37.0	53.1	27.7	178.5	4.7	30.0	8.7	None	-	-	-	122.8	150	131	380	131.5	150	141	389
									2EH04502525	23.0	1	57.7	122.8	150	131	380	131.5	150	141	389
									2EH04505025	45.9	2	115.2	181.5	200	167	380	192.4	200	177	389
									2EH04507525	68.9	2	172.9	210.4	225	233	380	221.3	225	243	389
	460-3-60	18.0	27.6	11.5	103	2.3	14.3	4.3	None	-	-	-	57.5	70	61	205	61.8	70	66	209
									2EH04502546	23.0	1	28.8	57.5	70	61	205	61.8	70	66	209
									2EH04505046	45.9	2	57.6	89.9	90	83	205	95.3	100	88	209
									2EH04507546	68.9	2	86.4	104.3	110	116	205	109.7	110	121	209
	575-3-60	15.0	21.6	9.0	78	1.9	11.5	3.5	None	-	-	-	46.9	60	50	156	50.4	60	54	160
									2EH04502558	23.0	1	23.0	46.9	60	50	156	50.4	60	54	160
									2EH04505058	45.9	2	46.0	71.9	80	66	156	76.3	80	70	160
									2EH04507558	68.9	2	69.1	83.5	90	93	156	87.9	90	97	160

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Table 68: KE13 to KE23 VFD high static without power exhaust

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		OD fan motors each FLA	Supply blower motor FLA	120 V trans FLA	Electric heat option field installed kit				MCA A	Max f/b size A	Min disconnect rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconnect rating 120 V trans	
		RLA	LRA	RLA	LRA				Model	kW	Stages	A			FLA	LRA			FLA	LRA
20 (20)	208-3-60	51.0	68.3	28.7	207.5	4.7	30.0	9.6	None	-	-	-	141.3	175	148	424	150.9	200	159	434
									2EH04502525	18.8	1	52.1	141.3	175	148	424	150.9	200	159	434
									2EH04505025	37.6	2	104.3	167.9	175	154	424	179.9	200	165	434
									2EH04507525	56.3	2	156.2	193.7	200	214	424	205.7	225	225	434
	230-3-60	51.0	68.3	28.7	207.5	4.7	30.0	8.7	None	-	-	-	141.3	175	148	424	150.0	200	158	433
									2EH04502525	23.0	1	57.7	141.3	175	148	424	150.0	200	158	433
									2EH04505025	45.9	2	115.2	181.5	200	167	424	192.4	200	177	433
									2EH04507525	68.9	2	172.9	210.4	225	233	424	221.3	225	243	433
	460-3-60	25.0	35.7	12.4	100.2	2.3	14.3	4.3	None	-	-	-	67.2	90	70	210	71.5	90	75	214
									2EH04502546	23.0	1	28.8	67.2	90	70	210	71.5	90	75	214
									2EH04505046	45.9	2	57.6	89.9	90	83	210	95.3	100	88	214
									2EH04507546	68.9	2	86.4	104.3	110	116	210	109.7	110	121	214
	575-3-60	20.0	32.4	9.0	78	1.9	11.5	3.5	None	-	-	-	53.1	70	55	167	56.6	70	59	170
									2EH04502558	23.0	1	23.0	53.1	70	55	167	56.6	70	59	170
									2EH04505058	45.9	2	46.0	71.9	80	66	167	76.3	80	70	170
									2EH04507558	68.9	2	69.1	83.5	90	93	167	87.9	90	97	170
23 (23)	208-3-60	62.0	68.3	28.5	255	4.7	39.6	9.6	None	-	-	-	164.4	225	171	522	174.0	225	182	532
									2EH04502525	18.8	1	52.1	164.4	225	171	522	174.0	225	182	532
									2EH04505025	37.6	2	104.3	179.9	225	171	522	191.9	225	182	532
									2EH04507525	56.3	2	156.2	205.7	225	225	522	217.7	250	236	532
	230-3-60	62.0	68.3	28.5	255	4.7	39.6	8.7	None	-	-	-	164.4	225	171	522	173.1	225	181	531
									2EH04502525	23.0	1	57.7	164.4	225	171	522	173.1	225	181	531
									2EH04505025	45.9	2	115.2	193.5	225	178	522	204.4	225	188	531
									2EH04507525	68.9	2	172.9	222.4	250	244	522	233.3	250	254	531
	460-3-60	30.0	35.7	13.5	123	2.3	18.7	4.3	None	-	-	-	78.9	100	82	258	83.2	110	87	262
									2EH04502546	23.0	1	28.8	78.9	100	82	258	83.2	110	87	262
									2EH04505046	45.9	2	57.6	95.4	100	88	258	100.8	110	93	262
									2EH04507546	68.9	2	86.4	109.8	125	121	258	115.2	125	126	262
	575-3-60	25.0	32.4	10.7	93.7	1.9	14.2	3.5	None	-	-	-	63.8	80	66	205	67.3	90	70	209
									2EH04502558	23.0	1	23.0	63.8	80	66	205	67.3	90	70	209
									2EH04505058	45.9	2	46.0	75.3	80	69	205	79.6	90	73	209
									2EH04507558	68.9	2	69.1	86.9	100	96	205	91.2	100	100	209

Table 69: KE13 to KE23 VFD high static with on/off power exhaust

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		OD fan motors each FLA	Supply blower motor FLA	Pwr exh motor FLA	120 V trans FLA	Electric heat option field installed kit				MCA A	Max f/b size A	Min disconnect rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconnect rating/120 V trans	
		RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
13 (12.5)	208-3-60	30.0	53.1	23.2	142	4.7	20.4	5.0	9.6	None	-	-	-	100.5	125	107	328	110.1	125	118	338
										2EH04522525	18.8	1	52.1	103.1	125	107	328	115.1	125	118	338
										2EH04525025	37.6	2	104.3	168.4	175	155	328	180.4	200	166	338
	230-3-60	30.0	53.1	23.2	142	4.7	20.4	5.0	8.7	None	-	-	-	100.5	125	107	328	109.2	125	117	336
										2EH04522525	23.0	1	57.7	110.1	125	107	328	121.0	125	117	336
										2EH04525025	45.9	2	115.2	182.0	200	167	328	192.9	200	177	336
	460-3-60	15.0	27.6	9.5	73.1	2.3	9.9	2.2	4.3	None	-	-	-	47.2	60	50	166	51.5	60	55	170
										2EH04522546	23.0	1	28.8	53.9	60	50	166	59.3	60	55	170
										2EH04525046	45.9	2	57.6	89.9	90	83	166	95.3	100	88	170
	575-3-60	13.0	21.6	7.8	55	1.9	7.7	1.5	3.5	None	-	-	-	38.6	50	41	127	42.1	50	45	130
										2EH04522558	23.0	1	23.0	42.1	50	41	127	46.5	50	45	130
										2EH04525058	45.9	2	46.0	70.9	80	65	127	75.3	80	69	130
15 (15)	208-3-60	33.0	53.1	26.3	178.5	4.7	20.4	5.0	9.6	None	-	-	-	107.4	125	114	365	117.0	150	125	374
										2EH04502525	18.8	1	52.1	107.4	125	114	365	117.0	150	125	374
										2EH04505025	37.6	2	104.3	168.4	175	155	365	180.4	200	166	374
										2EH04507525	56.3	2	156.2	194.2	200	215	365	206.2	225	226	374
	230-3-60	33.0	53.1	26.3	178.5	4.7	20.4	5.0	8.7	None	-	-	-	107.4	125	114	364	116.1	125	124	373
										2EH04502525	23.0	1	57.7	110.1	125	114	364	121.0	125	124	373
										2EH04505025	45.9	2	115.2	182.0	200	167	364	192.9	200	177	373
										2EH04507525	68.9	2	172.9	210.9	225	234	364	221.8	225	244	373
	460-3-60	16.0	27.6	11.0	95.3	2.3	9.9	2.2	4.3	None	-	-	-	49.9	60	53	188	54.2	70	58	192
										2EH04502546	23.0	1	28.8	53.9	60	53	188	59.3	70	58	192
										2EH04505046	45.9	2	57.6	89.9	90	83	188	95.3	100	88	192
										2EH04507546	68.9	2	86.4	104.3	110	116	188	109.7	110	121	192
	575-3-60	13.0	21.6	9.2	65	1.9	7.7	1.5	3.5	None	-	-	-	40.0	50	42	137	43.5	50	46	140
										2EH04502558	23.0	1	23.0	42.1	50	42	137	46.5	50	46	140
										2EH04505058	45.9	2	46.0	70.9	80	65	137	75.3	80	69	140
										2EH04507558	68.9	2	69.1	82.5	90	92	137	86.9	90	96	140
18 (17.5)	208-3-60	37.0	53.1	27.7	178.5	4.7	30.0	5.0	9.6	None	-	-	-	132.8	150	142	401	142.4	175	153	411
										2EH04502525	18.8	1	52.1	132.8	150	142	401	142.4	175	153	411
										2EH04505025	37.6	2	104.3	180.4	200	166	401	192.4	200	177	411
										2EH04507525	56.3	2	156.2	206.2	225	226	401	218.2	225	237	411
	230-3-60	37.0	53.1	27.7	178.5	4.7	30.0	5.0	8.7	None	-	-	-	132.8	150	142	401	141.5	175	152	410
										2EH04502525	23.0	1	57.7	132.8	150	142	401	141.5	175	152	410
										2EH04505025	45.9	2	115.2	194.0	200	178	401	204.9	225	188	410
										2EH04507525	68.9	2	172.9	222.9	250	245	401	233.8	250	255	410
	460-3-60	18.0	27.6	11.5	103	2.3	14.3	2.2	4.3	None	-	-	-	61.9	70	66	214	66.2	80	71	218
										2EH04502546	23.0	1	28.8	61.9	70	66	214	66.2	80	71	218
										2EH04505046	45.9	2	57.6	95.4	100	88	214	100.8	110	93	218
										2EH04507546	68.9	2	86.4	109.8	110	121	214	115.2	125	126	218
	575-3-60	15.0	21.6	9.0	78	1.9	11.5	1.5	3.5	None	-	-	-	49.9	60	53	162	53.4	60	57	166
										2EH04502558	23.0	1	23.0	49.9	60	53	162	53.4	60	57	166
										2EH04505058	45.9	2	46.0	75.6	80	70	162	80.0	90	74	166
										2EH04507558	68.9	2	69.1	87.2	90	96	162	91.6	100	100	166

Table 69: KE13 to KE23 VFD high static with on/off power exhaust

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		OD fan motors each FLA	Supply blower motor FLA	Pwr exh motor FLA	120 V trans FLA	Electric heat option field installed kit				MCA A	Max f/b size A	Min disconnect rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconnect rating/120 V trans	
		RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
20 (20)	208-3-60	51.0	68.3	28.7	207.5	4.7	30.0	5.0	9.6	None	-	-	-	151.3	200	159	445	160.9	200	170	455
										2EH04502525	18.8	1	52.1	151.3	200	159	445	160.9	200	170	455
										2EH04505025	37.6	2	104.3	180.4	200	166	445	192.4	200	177	455
										2EH04507525	56.3	2	156.2	206.2	225	226	445	218.2	225	237	455
	230-3-60	51.0	68.3	28.7	207.5	4.7	30.0	5.0	8.7	None	-	-	-	151.3	200	159	445	160.0	200	169	454
										2EH04502525	23.0	1	57.7	151.3	200	159	445	160.0	200	169	454
										2EH04505025	45.9	2	115.2	194.0	200	178	445	204.9	225	188	454
										2EH04507525	68.9	2	172.9	222.9	250	245	445	233.8	250	255	454
	460-3-60	25.0	35.7	12.4	100.2	2.3	14.3	2.2	4.3	None	-	-	-	71.6	90	75	219	75.9	100	80	223
										2EH04502546	23.0	1	28.8	71.6	90	75	219	75.9	100	80	223
										2EH04505046	45.9	2	57.6	95.4	100	88	219	100.8	110	93	223
										2EH04507546	68.9	2	86.4	109.8	110	121	219	115.2	125	126	223
	575-3-60	20.0	32.4	9.0	78	1.9	11.5	1.5	3.5	None	-	-	-	56.1	70	59	173	59.6	70	63	177
										2EH04502558	23.0	1	23.0	56.1	70	59	173	59.6	70	63	177
										2EH04505058	45.9	2	46.0	75.6	80	70	173	80.0	90	74	177
										2EH04507558	68.9	2	69.1	87.2	90	96	173	91.6	100	100	177
23 (23)	208-3-60	62.0	68.3	28.5	255	4.7	39.6	5.0	9.6	None	-	-	-	174.4	225	183	543	184.0	225	194	553
										2EH04502525	18.8	1	52.1	174.4	225	183	543	184.0	225	194	553
										2EH04505025	37.6	2	104.3	192.4	225	183	543	204.4	225	194	553
										2EH04507525	56.3	2	156.2	218.2	250	237	543	230.2	250	248	553
	230-3-60	62.0	68.3	28.5	255	4.7	39.6	5.0	8.7	None	-	-	-	174.4	225	183	543	183.1	225	193	552
										2EH04502525	23.0	1	57.7	174.4	225	183	543	183.1	225	193	552
										2EH04505025	45.9	2	115.2	206.0	225	190	543	216.9	225	200	552
										2EH04507525	68.9	2	172.9	234.9	250	256	543	245.8	250	266	552
	460-3-60	30.0	35.7	13.5	123	2.3	18.7	2.2	4.3	None	-	-	-	83.3	110	87	267	87.6	110	92	271
										2EH04502546	23.0	1	28.8	83.3	110	87	267	87.6	110	92	271
										2EH04505046	45.9	2	57.6	100.9	110	93	267	106.3	110	98	271
										2EH04507546	68.9	2	86.4	115.3	125	126	267	120.7	125	131	271
	575-3-60	25.0	32.4	10.7	93.7	1.9	14.2	1.5	3.5	None	-	-	-	66.8	90	70	212	70.3	90	74	215
										2EH04502558	23.0	1	23.0	66.8	90	70	212	70.3	90	74	215
										2EH04505058	45.9	2	46.0	79.0	90	73	212	83.4	90	77	215
										2EH04507558	68.9	2	69.1	90.6	100	99	212	95.0	100	103	215

Table 70: KE13 to KE23 VFD high static with modulating power exhaust

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		OD fan motors each FLA	Supply blower motor FLA	Pwr exh motor FLA	120 V trans FLA	Electric heat option field installed kit				MCA A	Max f/b size A	Min disconnect rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconnect rating/120 V trans	
		RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
13 (12.5)	208-3-60	30.0	53.1	23.2	142	4.7	20.4	6.7	9.6	None	-	-	-	103.9	125	111	321	113.5	125	122	330
										2EH04522525	18.8	1	52.1	107.4	125	111	321	119.4	125	122	330
										2EH04525025	37.6	2	104.3	172.6	175	159	321	184.6	200	170	330
	230-3-60	30.0	53.1	23.2	142	4.7	20.4	6.7	8.7	None	-	-	-	103.9	125	111	320	112.6	125	121	329
										2EH04522525	23.0	1	57.7	114.4	125	111	320	125.3	150	121	329
										2EH04525025	45.9	2	115.2	186.3	200	171	320	197.1	200	181	329
	460-3-60	15.0	27.6	9.5	73.1	2.3	9.9	3.4	4.3	None	-	-	-	49.6	60	53	163	53.9	60	58	167
										2EH04522546	23.0	1	28.8	56.9	60	53	163	62.3	70	58	167
										2EH04525046	45.9	2	57.6	92.9	100	85	163	98.3	100	90	167
	575-3-60	13.0	21.6	7.8	55	1.9	7.7	2.7	3.5	None	-	-	-	41.0	50	43	126	44.5	50	47	129
										2EH04522558	23.0	1	23.0	45.1	50	43	126	49.5	50	47	129
										2EH04525058	45.9	2	46.0	73.9	80	68	126	78.3	80	72	129
15 (15)	208-3-60	33.0	53.1	26.3	178.5	4.7	20.4	6.7	9.6	None	-	-	-	110.8	125	118	357	120.4	150	129	367
										2EH04502525	18.8	1	52.1	110.8	125	118	357	120.4	150	129	367
										2EH04505025	37.6	2	104.3	172.6	175	159	357	184.6	200	170	367
										2EH04507525	56.3	2	156.2	198.5	200	219	357	210.5	225	230	367
	230-3-60	33.0	53.1	26.3	178.5	4.7	20.4	6.7	8.7	None	-	-	-	110.8	125	118	356	119.5	150	128	365
										2EH04502525	23.0	1	57.7	114.4	125	118	356	125.3	150	128	365
										2EH04505025	45.9	2	115.2	186.3	200	171	356	197.1	200	181	365
										2EH04507525	68.9	2	172.9	215.2	225	238	356	226.0	250	248	365
	460-3-60	16.0	27.6	11.0	95.3	2.3	9.9	3.4	4.3	None	-	-	-	52.3	60	56	185	56.6	70	60	190
										2EH04502546	23.0	1	28.8	56.9	60	56	185	62.3	70	60	190
										2EH04505046	45.9	2	57.6	92.9	100	85	185	98.3	100	90	190
										2EH04507546	68.9	2	86.4	107.3	110	119	185	112.7	125	124	190
	575-3-60	13.0	21.6	9.2	65	1.9	7.7	2.7	3.5	None	-	-	-	42.4	50	45	136	45.9	50	49	139
										2EH04502558	23.0	1	23.0	45.1	50	45	136	49.5	50	49	139
										2EH04505058	45.9	2	46.0	73.9	80	68	136	78.3	80	72	139
										2EH04507558	68.9	2	69.1	85.5	90	95	136	89.9	90	99	139
18 (17.5)	208-3-60	37.0	53.1	27.7	178.5	4.7	30.0	6.7	9.6	None	-	-	-	136.2	150	146	393	145.8	175	157	403
										2EH04502525	18.8	1	52.1	136.2	150	146	393	145.8	175	157	403
										2EH04505025	37.6	2	104.3	184.6	200	170	393	196.6	200	181	403
										2EH04507525	56.3	2	156.2	210.5	225	230	393	222.5	225	241	403
	230-3-60	37.0	53.1	27.7	178.5	4.7	30.0	6.7	8.7	None	-	-	-	136.2	150	146	393	144.9	175	156	402
										2EH04502525	23.0	1	57.7	136.2	150	146	393	144.9	175	156	402
										2EH04505025	45.9	2	115.2	198.3	200	182	393	209.1	225	192	402
										2EH04507525	68.9	2	172.9	227.2	250	249	393	238.0	250	259	402
	460-3-60	18.0	27.6	11.5	103	2.3	14.3	3.4	4.3	None	-	-	-	64.3	80	69	211	68.6	80	74	216
										2EH04502546	23.0	1	28.8	64.3	80	69	211	68.6	80	74	216
										2EH04505046	45.9	2	57.6	98.4	100	91	211	103.8	110	95	216
										2EH04507546	68.9	2	86.4	112.8	125	124	211	118.2	125	129	216
	575-3-60	15.0	21.6	9.0	78	1.9	11.5	2.7	3.5	None	-	-	-	52.3	60	56	161	55.8	70	60	165
										2EH04502558	23.0	1	23.0	52.3	60	56	161	55.8	70	60	165
										2EH04505058	45.9	2	46.0	78.6	80	72	161	83.0	90	76	165
										2EH04507558	68.9	2	69.1	90.2	100	99	161	94.6	100	103	165

BHC Residential & Light Commercial LLC

Table 70: KE13 to KE23 VFD high static with modulating power exhaust

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		OD fan motors each FLA	Supply blower motor FLA	Pwr exh motor FLA	120 V trans FLA	Electric heat option field installed kit				MCA A	Max f/b size A	Min disconnect rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconnect rating/120 V trans	
		RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
20 (20)	208-3-60	51.0	68.3	28.7	207.5	4.7	30.0	6.7	9.6	None	-	-	-	154.7	200	163	438	164.3	200	174	447
										2EH04502525	18.8	1	52.1	154.7	200	163	438	164.3	200	174	447
										2EH04505025	37.6	2	104.3	184.6	200	170	438	196.6	200	181	447
										2EH04507525	56.3	2	156.2	210.5	225	230	438	222.5	225	241	447
	230-3-60	51.0	68.3	28.7	207.5	4.7	30.0	6.7	8.7	None	-	-	-	154.7	200	163	438	163.4	200	173	446
										2EH04502525	23.0	1	57.7	154.7	200	163	438	163.4	200	173	446
										2EH04505025	45.9	2	115.2	198.3	200	182	438	209.1	225	192	446
										2EH04507525	68.9	2	172.9	227.2	250	249	438	238.0	250	259	446
	460-3-60	25.0	35.7	12.4	100.2	2.3	14.3	3.4	4.3	None	-	-	-	74.0	90	78	217	78.3	100	83	221
										2EH04502546	23.0	1	28.8	74.0	90	78	217	78.3	100	83	221
										2EH04505046	45.9	2	57.6	98.4	100	91	217	103.8	110	95	221
										2EH04507546	68.9	2	86.4	112.8	125	124	217	118.2	125	129	221
	575-3-60	20.0	32.4	9.0	78	1.9	11.5	2.7	3.5	None	-	-	-	58.5	70	62	172	62.0	80	66	176
										2EH04502558	23.0	1	23.0	58.5	70	62	172	62.0	80	66	176
										2EH04505058	45.9	2	46.0	78.6	80	72	172	83.0	90	76	176
										2EH04507558	68.9	2	69.1	90.2	100	99	172	94.6	100	103	176
23 (23)	208-3-60	62.0	68.3	28.5	255	4.7	39.6	6.7	9.6	None	-	-	-	177.8	225	187	536	187.4	225	198	545
										2EH04502525	18.8	1	52.1	177.8	225	187	536	187.4	225	198	545
										2EH04505025	37.6	2	104.3	196.6	225	187	536	208.6	225	198	545
										2EH04507525	56.3	2	156.2	222.5	250	241	536	234.5	250	252	545
	230-3-60	62.0	68.3	28.5	255	4.7	39.6	6.7	8.7	None	-	-	-	177.8	225	187	536	186.5	225	197	544
										2EH04502525	23.0	1	57.7	177.8	225	187	536	186.5	225	197	544
										2EH04505025	45.9	2	115.2	210.3	225	193	536	221.1	225	203	544
										2EH04507525	68.9	2	172.9	239.2	250	260	536	250.0	250	270	544
	460-3-60	30.0	35.7	13.5	123	2.3	18.7	3.4	4.3	None	-	-	-	85.7	110	90	265	90.0	110	95	269
										2EH04502546	23.0	1	28.8	85.7	110	90	265	90.0	110	95	269
										2EH04505046	45.9	2	57.6	103.9	110	96	265	109.3	110	101	269
										2EH04507546	68.9	2	86.4	118.3	125	129	265	123.7	125	134	269
	575-3-60	25.0	32.4	10.7	93.7	1.9	14.2	2.7	3.5	None	-	-	-	69.2	90	72	211	72.7	90	76	214
										2EH04502558	23.0	1	23.0	69.2	90	72	211	72.7	90	76	214
										2EH04505058	45.9	2	46.0	82.0	90	75	211	86.4	90	79	214
										2EH04507558	68.9	2	69.1	93.6	100	102	211	98.0	110	106	214

Customer supplied standard static

Table 71: KE13 to KE23 VFD customer supplied standard static without power exhaust

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		OD fan motors each FLA	Supply blower motor FLA	120 V trans FLA	Electric heat option field installed kit				MCA A	Max f/b size A	Min disconnect rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconnect rating/120 V trans	
		RLA	LRA	RLA	LRA				Model	kW	Stages	A			FLA	LRA			FLA	LRA
13 (12.5)	208-3-60	30.0	53.1	23.2	142	4.7	8.9	9.6	None	-	-	-	79.0	100	82	266	88.6	110	93	276
									2EH04522525	18.8	1	52.1	79.0	100	82	266	88.6	110	93	276
									2EH04525025	37.6	2	104.3	141.5	150	130	266	153.5	175	141	276
	230-3-60	30.0	53.1	23.2	142	4.7	8.2	8.7	None	-	-	-	78.3	100	81	274	87.0	110	91	282
									2EH04522525	23.0	1	57.7	82.4	100	81	274	93.3	110	91	282
									2EH04525025	45.9	2	115.2	154.3	175	142	274	165.1	175	152	282
	460-3-60	15.0	27.6	9.5	73.1	2.3	4.1	4.3	None	-	-	-	37.0	50	38	140	41.3	50	43	144
									2EH04522546	23.0	1	28.8	41.1	50	38	140	46.5	50	43	144
									2EH04525046	45.9	2	57.6	77.1	80	71	140	82.5	90	76	144
	575-3-60	13.0	21.6	7.8	55	1.9	3.2	3.5	None	-	-	-	31.1	40	32	107	34.6	45	36	110
									2EH04522558	23.0	1	23.0	32.8	40	32	107	37.1	45	36	110
									2EH04525058	45.9	2	46.0	61.5	70	57	107	65.9	70	61	110
15 (15)	208-3-60	33.0	53.1	26.3	178.5	4.7	8.9	9.6	None	-	-	-	85.9	110	89	303	95.5	125	100	312
									2EH04502525	18.8	1	52.1	85.9	110	89	303	95.5	125	100	312
									2EH04505025	37.6	2	104.3	141.5	150	130	303	153.5	175	141	312
									2EH04507525	56.3	2	156.2	167.3	200	190	303	179.3	200	201	312
	230-3-60	33.0	53.1	26.3	178.5	4.7	8.2	8.7	None	-	-	-	85.2	110	88	310	93.9	125	98	319
									2EH04502525	23.0	1	57.7	85.2	110	88	310	93.9	125	98	319
									2EH04505025	45.9	2	115.2	154.3	175	142	310	165.1	175	152	319
									2EH04507525	68.9	2	172.9	183.2	200	208	310	194.0	225	218	319
	460-3-60	16.0	27.6	11.0	95.3	2.3	4.1	4.3	None	-	-	-	39.7	50	41	162	44.0	60	46	166
									2EH04502546	23.0	1	28.8	41.1	50	41	162	46.5	60	46	166
									2EH04505046	45.9	2	57.6	77.1	80	71	162	82.5	90	76	166
									2EH04507546	68.9	2	86.4	91.5	100	104	162	96.9	100	109	166
	575-3-60	13.0	21.6	9.2	65	1.9	3.2	3.5	None	-	-	-	32.5	45	34	117	36.0	45	38	120
									2EH04502558	23.0	1	23.0	32.8	45	34	117	37.1	45	38	120
									2EH04505058	45.9	2	46.0	61.5	70	57	117	65.9	70	61	120
									2EH04507558	68.9	2	69.1	73.1	80	83	117	77.5	80	87	120
18 (17.5)	208-3-60	37.0	53.1	27.7	178.5	4.7	9.9	9.6	None	-	-	-	102.7	125	107	323	112.3	125	118	333
									2EH04502525	18.8	1	52.1	102.7	125	107	323	112.3	125	118	333
									2EH04505025	37.6	2	104.3	142.8	150	131	323	154.8	175	142	333
									2EH04507525	56.3	2	156.2	168.6	200	191	323	180.6	200	202	333
	230-3-60	37.0	53.1	27.7	178.5	4.7	9.4	8.7	None	-	-	-	102.2	125	107	331	110.9	125	117	340
									2EH04502525	23.0	1	57.7	102.2	125	107	331	110.9	125	117	340
									2EH04505025	45.9	2	115.2	155.8	175	143	331	166.6	175	153	340
									2EH04507525	68.9	2	172.9	184.7	200	210	331	195.5	225	220	340
	460-3-60	18.0	27.6	11.5	103	2.3	4.7	4.3	None	-	-	-	47.9	60	50	180	52.2	70	55	184
									2EH04502546	23.0	1	28.8	47.9	60	50	180	52.2	70	55	184
									2EH04505046	45.9	2	57.6	77.9	80	72	180	83.3	90	77	184
									2EH04507546	68.9	2	86.4	92.3	100	105	180	97.7	110	110	184
	575-3-60	15.0	21.6	9.0	78	1.9	4.3	3.5	None	-	-	-	39.7	50	41	147	43.2	50	45	151
									2EH04502558	23.0	1	23.0	39.7	50	41	147	43.2	50	45	151
									2EH04505058	45.9	2	46.0	62.9	70	58	147	67.3	70	62	151
									2EH04507558	68.9	2	69.1	74.5	80	84	147	78.9	90	88	151

Table 71: KE13 to KE23 VFD customer supplied standard static without power exhaust

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		OD fan motors each FLA	Supply blower motor FLA	120 V trans FLA	Electric heat option field installed kit				MCA A	Max f/b size A	Min disconnect rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconnect rating/120 V trans	
		RLA	LRA	RLA	LRA				Model	kW	Stages	A			FLA	LRA			FLA	LRA
20 (20)	208-3-60	51.0	68.3	28.7	207.5	4.7	13.5	9.6	None	-	-	-	124.8	175	129	397	134.4	175	140	407
									2EH04502525	18.8	1	52.1	124.8	175	129	397	134.4	175	140	407
									2EH04505025	37.6	2	104.3	147.3	175	135	397	159.3	175	147	407
									2EH04507525	56.3	2	156.2	173.1	200	195	397	185.1	200	206	407
	230-3-60	51.0	68.3	28.7	207.5	4.7	13.4	8.7	None	-	-	-	124.7	175	129	397	133.4	175	139	405
									2EH04502525	23.0	1	57.7	124.7	175	129	397	133.4	175	139	405
									2EH04505025	45.9	2	115.2	160.8	175	148	397	171.6	175	158	405
									2EH04507525	68.9	2	172.9	189.7	225	214	397	200.5	225	224	405
	460-3-60	25.0	35.7	12.4	100.2	2.3	6.7	4.3	None	-	-	-	59.6	80	61	196	63.9	80	66	200
									2EH04502546	23.0	1	28.8	59.6	80	61	196	63.9	80	66	200
									2EH04505046	45.9	2	57.6	80.4	90	74	196	85.8	90	79	200
									2EH04507546	68.9	2	86.4	94.8	110	107	196	100.2	110	112	200
	575-3-60	20.0	32.4	9.0	78	1.9	5.4	3.5	None	-	-	-	47.0	60	48	158	50.5	70	52	162
									2EH04502558	23.0	1	23.0	47.0	60	48	158	50.5	70	52	162
									2EH04505058	45.9	2	46.0	64.3	70	59	158	68.6	70	63	162
									2EH04507558	68.9	2	69.1	75.9	90	86	158	80.2	90	90	162
23 (23)	208-3-60	62.0	68.3	28.5	255	4.7	13.5	9.6	None	-	-	-	138.3	200	141	445	147.9	200	152	455
									2EH04502525	18.8	1	52.1	138.3	200	141	445	147.9	200	152	455
									2EH04505025	37.6	2	104.3	147.3	200	141	445	159.3	200	152	455
									2EH04507525	56.3	2	156.2	173.1	200	195	445	185.1	200	206	455
	230-3-60	62.0	68.3	28.5	255	4.7	13.4	8.7	None	-	-	-	138.2	200	141	444	146.9	200	151	453
									2EH04502525	23.0	1	57.7	138.2	200	141	444	146.9	200	151	453
									2EH04505025	45.9	2	115.2	160.8	200	148	444	171.6	200	158	453
									2EH04507525	68.9	2	172.9	189.7	225	214	444	200.5	225	224	453
	460-3-60	30.0	35.7	13.5	123	2.3	6.7	4.3	None	-	-	-	66.9	90	68	219	71.2	100	73	223
									2EH04502546	23.0	1	28.8	66.9	90	68	219	71.2	100	73	223
									2EH04505046	45.9	2	57.6	80.4	90	74	219	85.8	100	79	223
									2EH04507546	68.9	2	86.4	94.8	110	107	219	100.2	110	112	223
	575-3-60	25.0	32.4	10.7	93.7	1.9	5.4	3.5	None	-	-	-	55.0	80	56	174	58.5	80	60	177
									2EH04502558	23.0	1	23.0	55.0	80	56	174	58.5	80	60	177
									2EH04505058	45.9	2	46.0	64.3	80	59	174	68.6	80	63	177
									2EH04507558	68.9	2	69.1	75.9	90	86	174	80.2	90	90	177

Table 72: KE13 to KE23 VFD customer supplied standard static with on/off power exhaust

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		OD fan motors each FLA	Supply blower motor FLA	Pwr exh motor FLA	120 V trans FLA	Electric heat option field installed kit				MCA A	Max f/b size A	Min disconnect rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconnect rating/120 V trans	
		RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
13 (12.5)	208-3-60	30.0	53.1	23.2	142	4.7	8.9	5.0	9.6	None	-	-	-	89.0	110	94	287	98.6	125	105	297
										2EH04522525	18.8	1	52.1	89.0	110	94	287	100.8	125	105	297
										2EH04525025	37.6	2	104.3	154.0	175	142	287	166.0	175	153	297
	230-3-60	30.0	53.1	23.2	142	4.7	8.2	5.0	8.7	None	-	-	-	88.3	110	93	295	97.0	125	103	303
										2EH04522525	23.0	1	57.7	94.9	110	93	295	105.8	125	103	303
										2EH04525025	45.9	2	115.2	166.8	175	153	295	177.6	200	163	303
	460-3-60	15.0	27.6	9.5	73.1	2.3	4.1	2.2	4.3	None	-	-	-	41.4	50	43	149	45.7	60	48	153
										2EH04522546	23.0	1	28.8	46.6	50	43	149	52.0	60	48	153
										2EH04525046	45.9	2	57.6	82.6	90	76	149	88.0	90	81	153
	575-3-60	13.0	21.6	7.8	55	1.9	3.2	1.5	3.5	None	-	-	-	34.1	45	35	113	37.6	50	39	116
										2EH04522558	23.0	1	23.0	36.5	45	35	113	40.9	50	39	116
										2EH04525058	45.9	2	46.0	65.3	70	60	113	69.6	70	64	116
15 (15)	208-3-60	33.0	53.1	26.3	178.5	4.7	8.9	5.0	9.6	None	-	-	-	95.9	125	101	324	105.5	125	112	333
										2EH04502525	18.8	1	52.1	95.9	125	101	324	105.5	125	112	333
										2EH04505025	37.6	2	104.3	154.0	175	142	324	166.0	175	153	333
										2EH04507525	56.3	2	156.2	179.8	200	201	324	191.8	200	212	333
	230-3-60	33.0	53.1	26.3	178.5	4.7	8.2	5.0	8.7	None	-	-	-	95.2	125	100	331	103.9	125	110	340
										2EH04502525	23.0	1	57.7	95.2	125	100	331	105.8	125	110	340
										2EH04505025	45.9	2	115.2	166.8	175	153	331	177.6	200	163	340
										2EH04507525	68.9	2	172.9	195.7	225	220	331	206.5	225	230	340
	460-3-60	16.0	27.6	11.0	95.3	2.3	4.1	2.2	4.3	None	-	-	-	44.1	60	46	171	48.4	60	51	176
										2EH04502546	23.0	1	28.8	46.6	60	46	171	52.0	60	51	176
										2EH04505046	45.9	2	57.6	82.6	90	76	171	88.0	90	81	176
										2EH04507546	68.9	2	86.4	97.0	110	109	171	102.4	110	114	176
	575-3-60	13.0	21.6	9.2	65	1.9	3.2	1.5	3.5	None	-	-	-	35.5	45	37	123	39.0	50	41	126
										2EH04502558	23.0	1	23.0	36.5	45	37	123	40.9	50	41	126
										2EH04505058	45.9	2	46.0	65.3	70	60	123	69.6	70	64	126
										2EH04507558	68.9	2	69.1	76.9	80	87	123	81.2	90	91	126
18 (17.5)	208-3-60	37.0	53.1	27.7	178.5	4.7	9.9	5.0	9.6	None	-	-	-	112.7	125	119	344	122.3	150	130	354
										2EH04502525	18.8	1	52.1	112.7	125	119	344	122.3	150	130	354
										2EH04505025	37.6	2	104.3	155.3	175	143	344	167.3	175	154	354
										2EH04507525	56.3	2	156.2	181.1	200	203	344	193.1	200	214	354
	230-3-60	37.0	53.1	27.7	178.5	4.7	9.4	5.0	8.7	None	-	-	-	112.2	125	118	352	120.9	150	128	361
										2EH04502525	23.0	1	57.7	112.2	125	118	352	120.9	150	128	361
										2EH04505025	45.9	2	115.2	168.3	175	155	352	179.1	200	165	361
										2EH04507525	68.9	2	172.9	197.2	225	221	352	208.0	225	231	361
	460-3-60	18.0	27.6	11.5	103	2.3	4.7	2.2	4.3	None	-	-	-	52.3	70	55	189	56.6	70	60	194
										2EH04502546	23.0	1	28.8	52.3	70	55	189	56.6	70	60	194
										2EH04505046	45.9	2	57.6	83.4	90	77	189	88.8	90	82	194
										2EH04507546	68.9	2	86.4	97.8	110	110	189	103.2	110	115	194
	575-3-60	15.0	21.6	9.0	78	1.9	4.3	1.5	3.5	None	-	-	-	42.7	50	45	154	46.2	60	49	157
										2EH04502558	23.0	1	23.0	42.7	50	45	154	46.2	60	49	157
										2EH04505058	45.9	2	46.0	66.6	70	61	154	71.0	80	65	157
										2EH04507558	68.9	2	69.1	78.2	90	88	154	82.6	90	92	157

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Table 72: KE13 to KE23 VFD customer supplied standard static with on/off power exhaust

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		OD fan motors each FLA	Supply blower motor FLA	Pwr exh motor FLA	120 V trans FLA	Electric heat option field installed kit				MCA A	Max f/b size A	Min disconnect rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconnect rating/120 V trans	
		RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
20 (20)	208-3-60	51.0	68.3	28.7	207.5	4.7	13.5	5.0	9.6	None	-	-	-	134.8	175	140	418	144.4	175	151	428
										2EH04502525	18.8	1	52.1	134.8	175	140	418	144.4	175	151	428
										2EH04505025	37.6	2	104.3	159.8	175	147	418	171.8	175	158	428
										2EH04507525	56.3	2	156.2	185.6	200	207	418	197.6	200	218	428
	230-3-60	51.0	68.3	28.7	207.5	4.7	13.4	5.0	8.7	None	-	-	-	134.7	175	140	418	143.4	175	150	426
										2EH04502525	23.0	1	57.7	134.7	175	140	418	143.4	175	150	426
										2EH04505025	45.9	2	115.2	173.3	175	159	418	184.1	200	169	426
										2EH04507525	68.9	2	172.9	202.2	225	226	418	213.0	225	236	426
	460-3-60	25.0	35.7	12.4	100.2	2.3	6.7	2.2	4.3	None	-	-	-	64.0	80	66	205	68.3	90	71	210
										2EH04502546	23.0	1	28.8	64.0	80	66	205	68.3	90	71	210
										2EH04505046	45.9	2	57.6	85.9	90	79	205	91.3	100	84	210
										2EH04507546	68.9	2	86.4	100.3	110	112	205	105.7	110	117	210
	575-3-60	20.0	32.4	9.0	78	1.9	5.4	1.5	3.5	None	-	-	-	50.0	70	52	164	53.5	70	56	168
										2EH04502558	23.0	1	23.0	50.0	70	52	164	53.5	70	56	168
										2EH04505058	45.9	2	46.0	68.0	70	63	164	72.4	80	67	168
										2EH04507558	68.9	2	69.1	79.6	90	89	164	84.0	90	93	168
23 (23)	208-3-60	62.0	68.3	28.5	255	4.7	13.5	5.0	9.6	None	-	-	-	148.3	200	153	466	157.9	200	164	476
										2EH04502525	18.8	1	52.1	148.3	200	153	466	157.9	200	164	476
										2EH04505025	37.6	2	104.3	159.8	200	153	466	171.8	200	164	476
										2EH04507525	56.3	2	156.2	185.6	200	207	466	197.6	200	218	476
	230-3-60	62.0	68.3	28.5	255	4.7	13.4	5.0	8.7	None	-	-	-	148.2	200	153	465	156.9	200	163	474
										2EH04502525	23.0	1	57.7	148.2	200	153	465	156.9	200	163	474
										2EH04505025	45.9	2	115.2	173.3	200	159	465	184.1	200	169	474
										2EH04507525	68.9	2	172.9	202.2	225	226	465	213.0	225	236	474
	460-3-60	30.0	35.7	13.5	123	2.3	6.7	2.2	4.3	None	-	-	-	71.3	100	73	228	75.6	100	78	232
										2EH04502546	23.0	1	28.8	71.3	100	73	228	75.6	100	78	232
										2EH04505046	45.9	2	57.6	85.9	100	79	228	91.3	100	84	232
										2EH04507546	68.9	2	86.4	100.3	110	112	228	105.7	110	117	232
	575-3-60	25.0	32.4	10.7	93.7	1.9	5.4	1.5	3.5	None	-	-	-	58.0	80	59	180	61.5	80	63	184
										2EH04502558	23.0	1	23.0	58.0	80	59	180	61.5	80	63	184
										2EH04505058	45.9	2	46.0	68.0	80	63	180	72.4	80	67	184
										2EH04507558	68.9	2	69.1	79.6	90	89	180	84.0	90	93	184

Table 73: KE13 to KE23 VFD customer supplied standard static with modulating power exhaust

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		OD fan motors each FLA	Supply blower motor FLA	Pwr exh motor FLA	120 V trans FLA	Electric heat option field installed kit				MCA A	Max f/b size A	Min disconnect rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconnect rating/120 V trans	
		RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
13 (12.5)	208-3-60	30.0	53.1	23.2	142	4.7	8.9	6.7	9.6	None	-	-	-	92.4	110	98	280	102.0	125	109	289
										2EH04522525	18.8	1	52.1	93.0	110	98	280	105.0	125	109	289
										2EH04525025	37.6	2	104.3	158.3	175	146	280	170.3	175	157	289
	230-3-60	30.0	53.1	23.2	142	4.7	8.2	6.7	8.7	None	-	-	-	91.7	110	97	287	100.4	125	107	296
										2EH04522525	23.0	1	57.7	99.1	110	97	287	110.0	125	107	296
										2EH04525025	45.9	2	115.2	171.0	175	157	287	181.9	200	167	296
	460-3-60	15.0	27.6	9.5	73.1	2.3	4.1	3.4	4.3	None	-	-	-	43.8	50	46	147	48.1	60	51	151
										2EH04522546	23.0	1	28.8	49.6	50	46	147	55.0	60	51	151
										2EH04525046	45.9	2	57.6	85.6	90	79	147	91.0	100	84	151
	575-3-60	13.0	21.6	7.8	55	1.9	3.2	2.7	3.5	None	-	-	-	36.5	45	38	112	40.0	50	42	115
										2EH04522558	23.0	1	23.0	39.5	45	38	112	43.9	50	42	115
										2EH04525058	45.9	2	46.0	68.3	70	63	112	72.6	80	67	115
15 (15)	208-3-60	33.0	53.1	26.3	178.5	4.7	8.9	6.7	9.6	None	-	-	-	99.3	125	105	316	108.9	125	116	326
										2EH04502525	18.8	1	52.1	99.3	125	105	316	108.9	125	116	326
										2EH04505025	37.6	2	104.3	158.3	175	146	316	170.3	175	157	326
										2EH04507525	56.3	2	156.2	184.1	200	205	316	196.1	200	216	326
	230-3-60	33.0	53.1	26.3	178.5	4.7	8.2	6.7	8.7	None	-	-	-	98.6	125	104	323	107.3	125	114	332
										2EH04502525	23.0	1	57.7	99.1	125	104	323	110.0	125	114	332
										2EH04505025	45.9	2	115.2	171.0	175	157	323	181.9	200	167	332
										2EH04507525	68.9	2	172.9	199.9	225	224	323	210.8	225	234	332
	460-3-60	16.0	27.6	11.0	95.3	2.3	4.1	3.4	4.3	None	-	-	-	46.5	60	49	169	50.8	60	54	173
										2EH04502546	23.0	1	28.8	49.6	60	49	169	55.0	60	54	173
										2EH04505046	45.9	2	57.6	85.6	90	79	169	91.0	100	84	173
										2EH04507546	68.9	2	86.4	100.0	110	112	169	105.4	110	117	173
	575-3-60	13.0	21.6	9.2	65	1.9	3.2	2.7	3.5	None	-	-	-	37.9	50	40	122	41.4	50	44	125
										2EH04502558	23.0	1	23.0	39.5	50	40	122	43.9	50	44	125
										2EH04505058	45.9	2	46.0	68.3	70	63	122	72.6	80	67	125
										2EH04507558	68.9	2	69.1	79.9	90	89	122	84.2	90	93	125
18 (17.5)	208-3-60	37.0	53.1	27.7	178.5	4.7	9.9	6.7	9.6	None	-	-	-	116.1	150	123	336	125.7	150	134	346
										2EH04502525	18.8	1	52.1	116.1	150	123	336	125.7	150	134	346
										2EH04505025	37.6	2	104.3	159.5	175	147	336	171.5	175	158	346
										2EH04507525	56.3	2	156.2	185.3	200	206	336	197.3	200	217	346
	230-3-60	37.0	53.1	27.7	178.5	4.7	9.4	6.7	8.7	None	-	-	-	115.6	150	122	344	124.3	150	132	353
										2EH04502525	23.0	1	57.7	115.6	150	122	344	124.3	150	132	353
										2EH04505025	45.9	2	115.2	172.5	175	159	344	183.4	200	169	353
										2EH04507525	68.9	2	172.9	201.4	225	225	344	212.3	225	235	353
	460-3-60	18.0	27.6	11.5	103	2.3	4.7	3.4	4.3	None	-	-	-	54.7	70	58	187	59.0	70	63	191
										2EH04502546	23.0	1	28.8	54.7	70	58	187	59.0	70	63	191
										2EH04505046	45.9	2	57.6	86.4	90	79	187	91.8	100	84	191
										2EH04507546	68.9	2	86.4	100.8	110	113	187	106.2	110	118	191
	575-3-60	15.0	21.6	9.0	78	1.9	4.3	2.7	3.5	None	-	-	-	45.1	60	47	153	48.6	60	52	156
										2EH04502558	23.0	1	23.0	45.1	60	47	153	48.6	60	52	156
										2EH04505058	45.9	2	46.0	69.6	70	64	153	74.0	80	68	156
										2EH04507558	68.9	2	69.1	81.2	90	91	153	85.6	90	95	156

BHC Residential & Light Commercial LLC

Table 73: KE13 to KE23 VFD customer supplied standard static with modulating power exhaust

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		OD fan motors each FLA	Supply blower motor FLA	Pwr exh motor FLA	120 V trans FLA	Electric heat option field installed kit				MCA A	Max f/b size A	Min disconnect rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconnect rating/120 V trans	
		RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
20 (20)	208-3-60	51.0	68.3	28.7	207.5	4.7	13.5	6.7	9.6	None	-	-	-	138.2	175	144	411	147.8	175	155	420
										2EH04502525	18.8	1	52.1	138.2	175	144	411	147.8	175	155	420
										2EH04505025	37.6	2	104.3	164.0	175	151	411	176.0	200	162	420
										2EH04507525	56.3	2	156.2	189.8	200	211	411	201.8	225	222	420
	230-3-60	51.0	68.3	28.7	207.5	4.7	13.4	6.7	8.7	None	-	-	-	138.1	175	144	410	146.8	175	154	419
										2EH04502525	23.0	1	57.7	138.1	175	144	410	146.8	175	154	419
										2EH04505025	45.9	2	115.2	177.5	200	163	410	188.4	200	173	419
										2EH04507525	68.9	2	172.9	206.4	225	230	410	217.3	225	240	419
	460-3-60	25.0	35.7	12.4	100.2	2.3	6.7	3.4	4.3	None	-	-	-	66.4	90	69	203	70.7	90	74	207
										2EH04502546	23.0	1	28.8	66.4	90	69	203	70.7	90	74	207
										2EH04505046	45.9	2	57.6	88.9	90	82	203	94.3	100	87	207
										2EH04507546	68.9	2	86.4	103.3	110	115	203	108.7	110	120	207
	575-3-60	20.0	32.4	9.0	78	1.9	5.4	2.7	3.5	None	-	-	-	52.4	70	55	163	55.9	70	59	167
										2EH04502558	23.0	1	23.0	52.4	70	55	163	55.9	70	59	167
										2EH04505058	45.9	2	46.0	71.0	80	65	163	75.4	80	69	167
										2EH04507558	68.9	2	69.1	82.6	90	92	163	87.0	90	96	167
23 (23)	208-3-60	62.0	68.3	28.5	255	4.7	13.5	6.7	9.6	None	-	-	-	151.7	200	157	458	161.3	200	168	468
										2EH04502525	18.8	1	52.1	151.7	200	157	458	161.3	200	168	468
										2EH04505025	37.6	2	104.3	164.0	200	157	458	176.0	200	168	468
										2EH04507525	56.3	2	156.2	189.8	200	211	458	201.8	225	222	468
	230-3-60	62.0	68.3	28.5	255	4.7	13.4	6.7	8.7	None	-	-	-	151.6	200	157	458	160.3	200	167	466
										2EH04502525	23.0	1	57.7	151.6	200	157	458	160.3	200	167	466
										2EH04505025	45.9	2	115.2	177.5	200	163	458	188.4	200	173	466
										2EH04507525	68.9	2	172.9	206.4	225	230	458	217.3	225	240	466
	460-3-60	30.0	35.7	13.5	123	2.3	6.7	3.4	4.3	None	-	-	-	73.7	100	76	226	78.0	100	81	230
										2EH04502546	23.0	1	28.8	73.7	100	76	226	78.0	100	81	230
										2EH04505046	45.9	2	57.6	88.9	100	82	226	94.3	100	87	230
										2EH04507546	68.9	2	86.4	103.3	110	115	226	108.7	110	120	230
	575-3-60	25.0	32.4	10.7	93.7	1.9	5.4	2.7	3.5	None	-	-	-	60.4	80	62	179	63.9	80	66	183
										2EH04502558	23.0	1	23.0	60.4	80	62	179	63.9	80	66	183
										2EH04505058	45.9	2	46.0	71.0	80	65	179	75.4	80	69	183
										2EH04507558	68.9	2	69.1	82.6	90	92	179	87.0	90	96	183

Customer supplied medium static

Table 74: KE13 to KE23 VFD customer supplied medium static without power exhaust

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		OD fan motors each FLA	Supply blower motor FLA	120 V trans FLA	Electric heat option field installed kit				MCA A	Max f/b size A	Min disconnect rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconnect rating/120 V trans	
		RLA	LRA	RLA	LRA				Model	kW	Stages	A			FLA	LRA			FLA	LRA
13 (12.5)	208-3-60	30.0	53.1	23.2	142	4.7	9.9	9.6	None	-	-	-	80.0	110	83	277	89.6	110	94	287
									2EH04522525	18.8	1	52.1	80.0	110	83	277	89.6	110	94	287
									2EH04525025	37.6	2	104.3	142.8	150	131	277	154.8	175	142	287
	230-3-60	30.0	53.1	23.2	142	4.7	9.4	8.7	None	-	-	-	79.5	100	83	285	88.2	110	93	294
									2EH04522525	23.0	1	57.7	83.9	100	83	285	94.8	110	93	294
									2EH04525025	45.9	2	115.2	155.8	175	143	285	166.6	175	153	294
	460-3-60	15.0	27.6	9.5	73.1	2.3	4.7	4.3	None	-	-	-	37.6	50	39	146	41.9	50	44	150
									2EH04522546	23.0	1	28.8	41.9	50	39	146	47.3	50	44	150
									2EH04525046	45.9	2	57.6	77.9	80	72	146	83.3	90	77	150
	575-3-60	13.0	21.6	7.8	55	1.9	4.3	3.5	None	-	-	-	32.2	45	33	120	35.7	45	37	124
									2EH04522558	23.0	1	23.0	34.1	45	33	120	38.5	45	37	124
									2EH04525058	45.9	2	46.0	62.9	70	58	120	67.3	70	62	124
15 (15)	208-3-60	33.0	53.1	26.3	178.5	4.7	9.9	9.6	None	-	-	-	86.9	110	90	314	96.5	125	101	323
									2EH04502525	18.8	1	52.1	86.9	110	90	314	96.5	125	101	323
									2EH04505025	37.6	2	104.3	142.8	150	131	314	154.8	175	142	323
									2EH04507525	56.3	2	156.2	168.6	200	191	314	180.6	200	202	323
	230-3-60	33.0	53.1	26.3	178.5	4.7	9.4	8.7	None	-	-	-	86.4	110	90	322	95.1	125	100	330
									2EH04502525	23.0	1	57.7	86.4	110	90	322	95.1	125	100	330
									2EH04505025	45.9	2	115.2	155.8	175	143	322	166.6	175	153	330
									2EH04507525	68.9	2	172.9	184.7	200	210	322	195.5	225	220	330
	460-3-60	16.0	27.6	11.0	95.3	2.3	4.7	4.3	None	-	-	-	40.3	50	42	168	44.6	60	47	172
									2EH04502546	23.0	1	28.8	41.9	50	42	168	47.3	60	47	172
									2EH04505046	45.9	2	57.6	77.9	80	72	168	83.3	90	77	172
									2EH04507546	68.9	2	86.4	92.3	100	105	168	97.7	110	110	172
	575-3-60	13.0	21.6	9.2	65	1.9	4.3	3.5	None	-	-	-	33.6	45	35	130	37.1	50	39	134
									2EH04502558	23.0	1	23.0	34.1	45	35	130	38.5	50	39	134
									2EH04505058	45.9	2	46.0	62.9	70	58	130	67.3	70	62	134
									2EH04507558	68.9	2	69.1	74.5	80	84	130	78.9	90	88	134
18 (17.5)	208-3-60	37.0	53.1	27.7	178.5	4.7	13.5	9.6	None	-	-	-	106.3	125	112	353	115.9	150	123	363
									2EH04502525	18.8	1	52.1	106.3	125	112	353	115.9	150	123	363
									2EH04505025	37.6	2	104.3	147.3	150	135	353	159.3	175	147	363
									2EH04507525	56.3	2	156.2	173.1	200	195	353	185.1	200	206	363
	230-3-60	37.0	53.1	27.7	178.5	4.7	13.4	8.7	None	-	-	-	106.2	125	111	352	114.9	150	121	361
									2EH04502525	23.0	1	57.7	106.2	125	111	352	114.9	150	121	361
									2EH04505025	45.9	2	115.2	160.8	175	148	352	171.6	175	158	361
									2EH04507525	68.9	2	172.9	189.7	225	214	352	200.5	225	224	361
	460-3-60	18.0	27.6	11.5	103	2.3	6.7	4.3	None	-	-	-	49.9	60	52	191	54.2	70	57	195
									2EH04502546	23.0	1	28.8	49.9	60	52	191	54.2	70	57	195
									2EH04505046	45.9	2	57.6	80.4	90	74	191	85.8	90	79	195
									2EH04507546	68.9	2	86.4	94.8	110	107	191	100.2	110	112	195
	575-3-60	15.0	21.6	9.0	78	1.9	5.4	3.5	None	-	-	-	40.8	50	43	147	44.3	50	47	151
									2EH04502558	23.0	1	23.0	40.8	50	43	147	44.3	50	47	151
									2EH04505058	45.9	2	46.0	64.3	70	59	147	68.6	70	63	151
									2EH04507558	68.9	2	69.1	75.9	90	86	147	80.2	90	90	151

Table 74: KE13 to KE23 VFD customer supplied medium static without power exhaust

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		OD fan motors each FLA	Supply blower motor FLA	120 V trans FLA	Electric heat option field installed kit				MCA A	Max f/b size A	Min disconnect rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconnect rating/120 V trans	
		RLA	LRA	RLA	LRA				Model	kW	Stages	A			FLA	LRA			FLA	LRA
20 (20)	208-3-60	51.0	68.3	28.7	207.5	4.7	13.5	9.6	None	-	-	-	124.8	175	129	397	134.4	175	140	407
									2EH04502525	18.8	1	52.1	124.8	175	129	397	134.4	175	140	407
									2EH04505025	37.6	2	104.3	147.3	175	135	397	159.3	175	147	407
									2EH04507525	56.3	2	156.2	173.1	200	195	397	185.1	200	206	407
	230-3-60	51.0	68.3	28.7	207.5	4.7	13.4	8.7	None	-	-	-	124.7	175	129	397	133.4	175	139	405
									2EH04502525	23.0	1	57.7	124.7	175	129	397	133.4	175	139	405
									2EH04505025	45.9	2	115.2	160.8	175	148	397	171.6	175	158	405
									2EH04507525	68.9	2	172.9	189.7	225	214	397	200.5	225	224	405
	460-3-60	25.0	35.7	12.4	100.2	2.3	6.7	4.3	None	-	-	-	59.6	80	61	196	63.9	80	66	200
									2EH04502546	23.0	1	28.8	59.6	80	61	196	63.9	80	66	200
									2EH04505046	45.9	2	57.6	80.4	90	74	196	85.8	90	79	200
									2EH04507546	68.9	2	86.4	94.8	110	107	196	100.2	110	112	200
	575-3-60	20.0	32.4	9.0	78	1.9	5.4	3.5	None	-	-	-	47.0	60	48	158	50.5	70	52	162
									2EH04502558	23.0	1	23.0	47.0	60	48	158	50.5	70	52	162
									2EH04505058	45.9	2	46.0	64.3	70	59	158	68.6	70	63	162
									2EH04507558	68.9	2	69.1	75.9	90	86	158	80.2	90	90	162
23 (23)	208-3-60	62.0	68.3	28.5	255	4.7	19.8	9.6	None	-	-	-	144.6	200	148	472	154.2	200	160	481
									2EH04502525	18.8	1	52.1	144.6	200	148	472	154.2	200	160	481
									2EH04505025	37.6	2	104.3	155.1	200	148	472	167.1	200	160	481
									2EH04507525	56.3	2	156.2	181.0	200	202	472	193.0	200	213	481
	230-3-60	62.0	68.3	28.5	255	4.7	19.8	8.7	None	-	-	-	144.6	200	148	472	153.3	200	158	480
									2EH04502525	23.0	1	57.7	144.6	200	148	472	153.3	200	158	480
									2EH04505025	45.9	2	115.2	168.8	200	155	472	179.6	200	165	480
									2EH04507525	68.9	2	172.9	197.7	225	222	472	208.5	225	232	480
	460-3-60	30.0	35.7	13.5	123	2.3	9.9	4.3	None	-	-	-	70.1	100	72	233	74.4	100	77	237
									2EH04502546	23.0	1	28.8	70.1	100	72	233	74.4	100	77	237
									2EH04505046	45.9	2	57.6	84.4	100	78	233	89.8	100	83	237
									2EH04507546	68.9	2	86.4	98.8	110	111	233	104.2	110	116	237
	575-3-60	25.0	32.4	10.7	93.7	1.9	7.9	3.5	None	-	-	-	57.5	80	59	183	61.0	80	63	186
									2EH04502558	23.0	1	23.0	57.5	80	59	183	61.0	80	63	186
									2EH04505058	45.9	2	46.0	67.4	80	62	183	71.8	80	66	186
									2EH04507558	68.9	2	69.1	79.0	90	89	183	83.4	90	93	186

Table 75: KE13 to KE23 VFD customer supplied medium static with on/off power exhaust

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		OD fan motors each FLA	Supply blower motor FLA	Pwr exh motor FLA	120 V trans FLA	Electric heat option field installed kit				MCA A	Max f/b size A	Min disconnect rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconnect rating/120 V trans	
		RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
13 (12.5)	208-3-60	30.0	53.1	23.2	142	4.7	9.9	5.0	9.6	None	-	-	-	90.0	110	95	298	99.6	125	106	308
										2EH04522525	18.8	1	52.1	90.0	110	95	298	102.0	125	106	308
										2EH04525025	37.6	2	104.3	155.3	175	143	298	167.3	175	154	308
	230-3-60	30.0	53.1	23.2	142	4.7	9.4	5.0	8.7	None	-	-	-	89.5	110	94	306	98.2	125	104	315
										2EH04522525	23.0	1	57.7	96.4	110	94	306	107.3	125	104	315
										2EH04525025	45.9	2	115.2	168.3	175	155	306	179.1	200	165	315
	460-3-60	15.0	27.6	9.5	73.1	2.3	4.7	2.2	4.3	None	-	-	-	42.0	50	44	155	46.3	60	49	159
										2EH04522546	23.0	1	28.8	47.4	50	44	155	52.8	60	49	159
										2EH04525046	45.9	2	57.6	83.4	90	77	155	88.8	90	82	159
	575-3-60	13.0	21.6	7.8	55	1.9	4.3	1.5	3.5	None	-	-	-	35.2	45	37	127	38.7	50	41	130
										2EH04522558	23.0	1	23.0	37.9	45	37	127	42.3	50	41	130
										2EH04525058	45.9	2	46.0	66.6	70	61	127	71.0	80	65	130
15 (15)	208-3-60	33.0	53.1	26.3	178.5	4.7	9.9	5.0	9.6	None	-	-	-	96.9	125	102	335	106.5	125	113	344
										2EH04502525	18.8	1	52.1	96.9	125	102	335	106.5	125	113	344
										2EH04505025	37.6	2	104.3	155.3	175	143	335	167.3	175	154	344
										2EH04507525	56.3	2	156.2	181.1	200	203	335	193.1	200	214	344
	230-3-60	33.0	53.1	26.3	178.5	4.7	9.4	5.0	8.7	None	-	-	-	96.4	125	101	343	105.1	125	111	351
										2EH04502525	23.0	1	57.7	96.4	125	101	343	107.3	125	111	351
										2EH04505025	45.9	2	115.2	168.3	175	155	343	179.1	200	165	351
										2EH04507525	68.9	2	172.9	197.2	225	221	343	208.0	225	231	351
	460-3-60	16.0	27.6	11.0	95.3	2.3	4.7	2.2	4.3	None	-	-	-	44.7	60	47	177	49.0	60	52	181
										2EH04502546	23.0	1	28.8	47.4	60	47	177	52.8	60	52	181
										2EH04505046	45.9	2	57.6	83.4	90	77	177	88.8	90	82	181
										2EH04507546	68.9	2	86.4	97.8	110	110	177	103.2	110	115	181
	575-3-60	13.0	21.6	9.2	65	1.9	4.3	1.5	3.5	None	-	-	-	36.6	45	38	137	40.1	50	42	140
										2EH04502558	23.0	1	23.0	37.9	45	38	137	42.3	50	42	140
										2EH04505058	45.9	2	46.0	66.6	70	61	137	71.0	80	65	140
										2EH04507558	68.9	2	69.1	78.2	90	88	137	82.6	90	92	140
18 (17.5)	208-3-60	37.0	53.1	27.7	178.5	4.7	13.5	5.0	9.6	None	-	-	-	116.3	150	123	374	125.9	150	134	384
										2EH04502525	18.8	1	52.1	116.3	150	123	374	125.9	150	134	384
										2EH04505025	37.6	2	104.3	159.8	175	147	374	171.8	175	158	384
										2EH04507525	56.3	2	156.2	185.6	200	207	374	197.6	200	218	384
	230-3-60	37.0	53.1	27.7	178.5	4.7	13.4	5.0	8.7	None	-	-	-	116.2	150	123	373	124.9	150	133	382
										2EH04502525	23.0	1	57.7	116.2	150	123	373	124.9	150	133	382
										2EH04505025	45.9	2	115.2	173.3	175	159	373	184.1	200	169	382
										2EH04507525	68.9	2	172.9	202.2	225	226	373	213.0	225	236	382
	460-3-60	18.0	27.6	11.5	103	2.3	6.7	2.2	4.3	None	-	-	-	54.3	70	57	200	58.6	70	62	204
										2EH04502546	23.0	1	28.8	54.3	70	57	200	58.6	70	62	204
										2EH04505046	45.9	2	57.6	85.9	90	79	200	91.3	100	84	204
										2EH04507546	68.9	2	86.4	100.3	110	112	200	105.7	110	117	204
	575-3-60	15.0	21.6	9.0	78	1.9	5.4	1.5	3.5	None	-	-	-	43.8	50	46	154	47.3	60	50	157
										2EH04502558	23.0	1	23.0	43.8	50	46	154	47.3	60	50	157
										2EH04505058	45.9	2	46.0	68.0	70	63	154	72.4	80	67	157
										2EH04507558	68.9	2	69.1	79.6	90	89	154	84.0	90	93	157

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Table 75: KE13 to KE23 VFD customer supplied medium static with on/off power exhaust

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		OD fan motors each FLA	Supply blower motor FLA	Pwr exh motor FLA	120 V trans FLA	Electric heat option field installed kit				MCA A	Max f/b size A	Min disconnect rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconnect rating/120 V trans	
		RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
20 (20)	208-3-60	51.0	68.3	28.7	207.5	4.7	13.5	5.0	9.6	None	-	-	-	134.8	175	140	418	144.4	175	151	428
										2EH04502525	18.8	1	52.1	134.8	175	140	418	144.4	175	151	428
										2EH04505025	37.6	2	104.3	159.8	175	147	418	171.8	175	158	428
										2EH04507525	56.3	2	156.2	185.6	200	207	418	197.6	200	218	428
	230-3-60	51.0	68.3	28.7	207.5	4.7	13.4	5.0	8.7	None	-	-	-	134.7	175	140	418	143.4	175	150	426
										2EH04502525	23.0	1	57.7	134.7	175	140	418	143.4	175	150	426
										2EH04505025	45.9	2	115.2	173.3	175	159	418	184.1	200	169	426
										2EH04507525	68.9	2	172.9	202.2	225	226	418	213.0	225	236	426
	460-3-60	25.0	35.7	12.4	100.2	2.3	6.7	2.2	4.3	None	-	-	-	64.0	80	66	205	68.3	90	71	210
										2EH04502546	23.0	1	28.8	64.0	80	66	205	68.3	90	71	210
										2EH04505046	45.9	2	57.6	85.9	90	79	205	91.3	100	84	210
										2EH04507546	68.9	2	86.4	100.3	110	112	205	105.7	110	117	210
	575-3-60	20.0	32.4	9.0	78	1.9	5.4	1.5	3.5	None	-	-	-	50.0	70	52	164	53.5	70	56	168
										2EH04502558	23.0	1	23.0	50.0	70	52	164	53.5	70	56	168
										2EH04505058	45.9	2	46.0	68.0	70	63	164	72.4	80	67	168
										2EH04507558	68.9	2	69.1	79.6	90	89	164	84.0	90	93	168
23 (23)	208-3-60	62.0	68.3	28.5	255	4.7	19.8	5.0	9.6	None	-	-	-	154.6	200	160	493	164.2	225	171	502
										2EH04502525	18.8	1	52.1	154.6	200	160	493	164.2	225	171	502
										2EH04505025	37.6	2	104.3	167.6	200	160	493	179.6	225	171	502
										2EH04507525	56.3	2	156.2	193.5	200	214	493	205.5	225	225	502
	230-3-60	62.0	68.3	28.5	255	4.7	19.8	5.0	8.7	None	-	-	-	154.6	200	160	493	163.3	225	170	501
										2EH04502525	23.0	1	57.7	154.6	200	160	493	163.3	225	170	501
										2EH04505025	45.9	2	115.2	181.3	200	167	493	192.1	225	177	501
										2EH04507525	68.9	2	172.9	210.2	225	233	493	221.0	225	243	501
	460-3-60	30.0	35.7	13.5	123	2.3	9.9	2.2	4.3	None	-	-	-	74.5	100	77	242	78.8	100	82	246
										2EH04502546	23.0	1	28.8	74.5	100	77	242	78.8	100	82	246
										2EH04505046	45.9	2	57.6	89.9	100	83	242	95.3	100	88	246
										2EH04507546	68.9	2	86.4	104.3	110	116	242	109.7	110	121	246
	575-3-60	25.0	32.4	10.7	93.7	1.9	7.9	1.5	3.5	None	-	-	-	60.5	80	62	189	64.0	80	66	192
										2EH04502558	23.0	1	23.0	60.5	80	62	189	64.0	80	66	192
										2EH04505058	45.9	2	46.0	71.1	80	65	189	75.5	80	69	192
										2EH04507558	68.9	2	69.1	82.7	90	92	189	87.1	90	96	192

Table 76: KE13 to KE23 VFD customer supplied medium static with modulating power exhaust

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		OD fan motors each FLA	Supply blower motor FLA	Pwr exh motor FLA	120 V trans FLA	Electric heat option field installed kit				MCA A	Max f/b size A	Min disconnect rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconnect rating/120 V trans	
		RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
13 (12.5)	208-3-60	30.0	53.1	23.2	142	4.7	9.9	6.7	9.6	None	-	-	-	93.4	110	99	290	103.0	125	110	300
										2EH04522525	18.8	1	52.1	94.3	110	99	290	106.3	125	110	300
										2EH04525025	37.6	2	104.3	159.5	175	147	290	171.5	175	158	300
	230-3-60	30.0	53.1	23.2	142	4.7	9.4	6.7	8.7	None	-	-	-	92.9	110	98	299	101.6	125	108	307
										2EH04522525	23.0	1	57.7	100.6	110	98	299	111.5	125	108	307
										2EH04525025	45.9	2	115.2	172.5	175	159	299	183.4	200	169	307
	460-3-60	15.0	27.6	9.5	73.1	2.3	4.7	3.4	4.3	None	-	-	-	44.4	50	47	152	48.7	60	52	157
										2EH04522546	23.0	1	28.8	50.4	60	47	152	55.8	60	52	157
										2EH04525046	45.9	2	57.6	86.4	90	79	152	91.8	100	84	157
	575-3-60	13.0	21.6	7.8	55	1.9	4.3	2.7	3.5	None	-	-	-	37.6	50	39	126	41.1	50	43	129
										2EH04522558	23.0	1	23.0	40.9	50	39	126	45.3	50	43	129
										2EH04525058	45.9	2	46.0	69.6	70	64	126	74.0	80	68	129
15 (15)	208-3-60	33.0	53.1	26.3	178.5	4.7	9.9	6.7	9.6	None	-	-	-	100.3	125	106	327	109.9	125	117	337
										2EH04502525	18.8	1	52.1	100.3	125	106	327	109.9	125	117	337
										2EH04505025	37.6	2	104.3	159.5	175	147	327	171.5	175	158	337
										2EH04507525	56.3	2	156.2	185.3	200	206	327	197.3	200	217	337
	230-3-60	33.0	53.1	26.3	178.5	4.7	9.4	6.7	8.7	None	-	-	-	99.8	125	105	335	108.5	125	115	344
										2EH04502525	23.0	1	57.7	100.6	125	105	335	111.5	125	115	344
										2EH04505025	45.9	2	115.2	172.5	175	159	335	183.4	200	169	344
										2EH04507525	68.9	2	172.9	201.4	225	225	335	212.3	225	235	344
	460-3-60	16.0	27.6	11.0	95.3	2.3	4.7	3.4	4.3	None	-	-	-	47.1	60	50	175	51.4	60	55	179
										2EH04502546	23.0	1	28.8	50.4	60	50	175	55.8	60	55	179
										2EH04505046	45.9	2	57.6	86.4	90	79	175	91.8	100	84	179
										2EH04507546	68.9	2	86.4	100.8	110	113	175	106.2	110	118	179
	575-3-60	13.0	21.6	9.2	65	1.9	4.3	2.7	3.5	None	-	-	-	39.0	50	41	136	42.5	50	45	139
										2EH04502558	23.0	1	23.0	40.9	50	41	136	45.3	50	45	139
										2EH04505058	45.9	2	46.0	69.6	70	64	136	74.0	80	68	139
										2EH04507558	68.9	2	69.1	81.2	90	91	136	85.6	90	95	139
18 (17.5)	208-3-60	37.0	53.1	27.7	178.5	4.7	13.5	6.7	9.6	None	-	-	-	119.7	150	127	367	129.3	150	138	376
										2EH04502525	18.8	1	52.1	119.7	150	127	367	129.3	150	138	376
										2EH04505025	37.6	2	104.3	164.0	175	151	367	176.0	200	162	376
										2EH04507525	56.3	2	156.2	189.8	200	211	367	201.8	225	222	376
	230-3-60	37.0	53.1	27.7	178.5	4.7	13.4	6.7	8.7	None	-	-	-	119.6	150	127	366	128.3	150	137	375
										2EH04502525	23.0	1	57.7	119.6	150	127	366	128.3	150	137	375
										2EH04505025	45.9	2	115.2	177.5	200	163	366	188.4	200	173	375
										2EH04507525	68.9	2	172.9	206.4	225	230	366	217.3	225	240	375
	460-3-60	18.0	27.6	11.5	103	2.3	6.7	3.4	4.3	None	-	-	-	56.7	70	60	198	61.0	70	65	202
										2EH04502546	23.0	1	28.8	56.7	70	60	198	61.0	70	65	202
										2EH04505046	45.9	2	57.6	88.9	90	82	198	94.3	100	87	202
										2EH04507546	68.9	2	86.4	103.3	110	115	198	108.7	110	120	202
	575-3-60	15.0	21.6	9.0	78	1.9	5.4	2.7	3.5	None	-	-	-	46.2	60	49	153	49.7	60	53	156
										2EH04502558	23.0	1	23.0	46.2	60	49	153	49.7	60	53	156
										2EH04505058	45.9	2	46.0	71.0	80	65	153	75.4	80	69	156
										2EH04507558	68.9	2	69.1	82.6	90	92	153	87.0	90	96	156

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Table 76: KE13 to KE23 VFD customer supplied medium static with modulating power exhaust

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		OD fan motors each FLA	Supply blower motor FLA	Pwr exh motor FLA	120 V trans FLA	Electric heat option field installed kit				MCA A	Max f/b size A	Min disconnect rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconnect rating/120 V trans	
		RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
20 (20)	208-3-60	51.0	68.3	28.7	207.5	4.7	13.5	6.7	9.6	None	-	-	-	138.2	175	144	411	147.8	175	155	420
										2EH04502525	18.8	1	52.1	138.2	175	144	411	147.8	175	155	420
										2EH04505025	37.6	2	104.3	164.0	175	151	411	176.0	200	162	420
										2EH04507525	56.3	2	156.2	189.8	200	211	411	201.8	225	222	420
	230-3-60	51.0	68.3	28.7	207.5	4.7	13.4	6.7	8.7	None	-	-	-	138.1	175	144	410	146.8	175	154	419
										2EH04502525	23.0	1	57.7	138.1	175	144	410	146.8	175	154	419
										2EH04505025	45.9	2	115.2	177.5	200	163	410	188.4	200	173	419
										2EH04507525	68.9	2	172.9	206.4	225	230	410	217.3	225	240	419
	460-3-60	25.0	35.7	12.4	100.2	2.3	6.7	3.4	4.3	None	-	-	-	66.4	90	69	203	70.7	90	74	207
										2EH04502546	23.0	1	28.8	66.4	90	69	203	70.7	90	74	207
										2EH04505046	45.9	2	57.6	88.9	90	82	203	94.3	100	87	207
										2EH04507546	68.9	2	86.4	103.3	110	115	203	108.7	110	120	207
	575-3-60	20.0	32.4	9.0	78	1.9	5.4	2.7	3.5	None	-	-	-	52.4	70	55	163	55.9	70	59	167
										2EH04502558	23.0	1	23.0	52.4	70	55	163	55.9	70	59	167
										2EH04505058	45.9	2	46.0	71.0	80	65	163	75.4	80	69	167
										2EH04507558	68.9	2	69.1	82.6	90	92	163	87.0	90	96	167
23 (23)	208-3-60	62.0	68.3	28.5	255	4.7	19.8	6.7	9.6	None	-	-	-	158.0	200	164	485	167.6	225	175	495
										2EH04502525	18.8	1	52.1	158.0	200	164	485	167.6	225	175	495
										2EH04505025	37.6	2	104.3	171.9	200	164	485	183.9	225	175	495
										2EH04507525	56.3	2	156.2	197.7	200	218	485	209.7	225	229	495
	230-3-60	62.0	68.3	28.5	255	4.7	19.8	6.7	8.7	None	-	-	-	158.0	200	164	485	166.7	225	174	494
										2EH04502525	23.0	1	57.7	158.0	200	164	485	166.7	225	174	494
										2EH04505025	45.9	2	115.2	185.5	200	171	485	196.4	225	181	494
										2EH04507525	68.9	2	172.9	214.4	225	237	485	225.3	250	247	494
	460-3-60	30.0	35.7	13.5	123	2.3	9.9	3.4	4.3	None	-	-	-	76.9	100	80	239	81.2	110	85	244
										2EH04502546	23.0	1	28.8	76.9	100	80	239	81.2	110	85	244
										2EH04505046	45.9	2	57.6	92.9	100	85	239	98.3	110	90	244
										2EH04507546	68.9	2	86.4	107.3	110	119	239	112.7	125	124	244
	575-3-60	25.0	32.4	10.7	93.7	1.9	7.9	2.7	3.5	None	-	-	-	62.9	80	65	188	66.4	90	69	191
										2EH04502558	23.0	1	23.0	62.9	80	65	188	66.4	90	69	191
										2EH04505058	45.9	2	46.0	74.1	80	68	188	78.5	90	72	191
										2EH04507558	68.9	2	69.1	85.7	90	95	188	90.1	100	99	191

Customer supplied high static

Table 77: KE13 to KE23 VFD customer supplied high static without power exhaust

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		OD fan motors each FLA	Supply blower motor FLA	120 V trans FLA	Electric heat option field installed kit				MCA A	Max f/b size A	Min disconnect rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconnect rating/120 V trans	
		RLA	LRA	RLA	LRA				Model	kW	Stages	A			FLA	LRA			FLA	LRA
13 (12.5)	208-3-60	30.0	53.1	23.2	142	4.7	13.5	9.6	None	-	-	-	83.6	110	88	307	93.2	110	99	317
									2EH04522525	18.8	1	52.1	83.6	110	88	307	94.0	110	99	317
									2EH04525025	37.6	2	104.3	147.3	150	135	307	159.3	175	147	317
	230-3-60	30.0	53.1	23.2	142	4.7	13.4	8.7	None	-	-	-	83.5	110	87	307	92.2	110	97	315
									2EH04522525	23.0	1	57.7	88.9	110	87	307	99.8	110	97	315
									2EH04525025	45.9	2	115.2	160.8	175	148	307	171.6	175	158	315
	460-3-60	15.0	27.6	9.5	73.1	2.3	6.7	4.3	None	-	-	-	39.6	50	41	156	43.9	50	46	161
									2EH04522546	23.0	1	28.8	44.4	50	41	156	49.8	50	46	161
									2EH04525046	45.9	2	57.6	80.4	90	74	156	85.8	90	79	161
	575-3-60	13.0	21.6	7.8	55	1.9	5.4	3.5	None	-	-	-	33.3	45	35	120	36.8	45	39	124
									2EH04522558	23.0	1	23.0	35.5	45	35	120	39.9	45	39	124
									2EH04525058	45.9	2	46.0	64.3	70	59	120	68.6	70	63	124
15 (15)	208-3-60	33.0	53.1	26.3	178.5	4.7	13.5	9.6	None	-	-	-	90.5	110	95	344	100.1	125	106	353
									2EH04502525	18.8	1	52.1	90.5	110	95	344	100.1	125	106	353
									2EH04505025	37.6	2	104.3	147.3	150	135	344	159.3	175	147	353
									2EH04507525	56.3	2	156.2	173.1	200	195	344	185.1	200	206	353
	230-3-60	33.0	53.1	26.3	178.5	4.7	13.4	8.7	None	-	-	-	90.4	110	94	343	99.1	125	104	352
									2EH04502525	23.0	1	57.7	90.4	110	94	343	99.8	125	104	352
									2EH04505025	45.9	2	115.2	160.8	175	148	343	171.6	175	158	352
									2EH04507525	68.9	2	172.9	189.7	225	214	343	200.5	225	224	352
	460-3-60	16.0	27.6	11.0	95.3	2.3	6.7	4.3	None	-	-	-	42.3	50	44	179	46.6	60	49	183
									2EH04502546	23.0	1	28.8	44.4	50	44	179	49.8	60	49	183
									2EH04505046	45.9	2	57.6	80.4	90	74	179	85.8	90	79	183
									2EH04507546	68.9	2	86.4	94.8	110	107	179	100.2	110	112	183
	575-3-60	13.0	21.6	9.2	65	1.9	5.4	3.5	None	-	-	-	34.7	45	36	130	38.2	50	40	134
									2EH04502558	23.0	1	23.0	35.5	45	36	130	39.9	50	40	134
									2EH04505058	45.9	2	46.0	64.3	70	59	130	68.6	70	63	134
									2EH04507558	68.9	2	69.1	75.9	90	86	130	80.2	90	90	134
18 (17.5)	208-3-60	37.0	53.1	27.7	178.5	4.7	19.8	9.6	None	-	-	-	112.6	125	119	380	122.2	150	130	390
									2EH04502525	18.8	1	52.1	112.6	125	119	380	122.2	150	130	390
									2EH04505025	37.6	2	104.3	155.1	175	143	380	167.1	175	154	390
									2EH04507525	56.3	2	156.2	181.0	200	202	380	193.0	200	213	390
	230-3-60	37.0	53.1	27.7	178.5	4.7	19.8	8.7	None	-	-	-	112.6	125	119	380	121.3	150	129	389
									2EH04502525	23.0	1	57.7	112.6	125	119	380	121.3	150	129	389
									2EH04505025	45.9	2	115.2	168.8	175	155	380	179.6	200	165	389
									2EH04507525	68.9	2	172.9	197.7	225	222	380	208.5	225	232	389
	460-3-60	18.0	27.6	11.5	103	2.3	9.9	4.3	None	-	-	-	53.1	70	56	205	57.4	70	61	209
									2EH04502546	23.0	1	28.8	53.1	70	56	205	57.4	70	61	209
									2EH04505046	45.9	2	57.6	84.4	90	78	205	89.8	90	83	209
									2EH04507546	68.9	2	86.4	98.8	110	111	205	104.2	110	116	209
	575-3-60	15.0	21.6	9.0	78	1.9	7.9	3.5	None	-	-	-	43.3	50	45	156	46.8	60	49	160
									2EH04502558	23.0	1	23.0	43.3	50	45	156	46.8	60	49	160
									2EH04505058	45.9	2	46.0	67.4	70	62	156	71.8	80	66	160
									2EH04507558	68.9	2	69.1	79.0	90	89	156	83.4	90	93	160

Table 77: KE13 to KE23 VFD customer supplied high static without power exhaust

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		OD fan motors each FLA	Supply blower motor FLA	120 V trans FLA	Electric heat option field installed kit				MCA A	Max f/b size A	Min disconnect rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconnect rating/120 V trans	
		RLA	LRA	RLA	LRA				Model	kW	Stages	A			FLA	LRA			FLA	LRA
20 (20)	208-3-60	51.0	68.3	28.7	207.5	4.7	19.8	9.6	None	-	-	-	131.1	175	136	424	140.7	175	147	434
									2EH04502525	18.8	1	52.1	131.1	175	136	424	140.7	175	147	434
									2EH04505025	37.6	2	104.3	155.1	175	143	424	167.1	175	154	434
									2EH04507525	56.3	2	156.2	181.0	200	202	424	193.0	200	213	434
	230-3-60	51.0	68.3	28.7	207.5	4.7	19.8	8.7	None	-	-	-	131.1	175	136	424	139.8	175	146	433
									2EH04502525	23.0	1	57.7	131.1	175	136	424	139.8	175	146	433
									2EH04505025	45.9	2	115.2	168.8	175	155	424	179.6	200	165	433
									2EH04507525	68.9	2	172.9	197.7	225	222	424	208.5	225	232	433
	460-3-60	25.0	35.7	12.4	100.2	2.3	9.9	4.3	None	-	-	-	62.8	80	65	210	67.1	90	70	214
									2EH04502546	23.0	1	28.8	62.8	80	65	210	67.1	90	70	214
									2EH04505046	45.9	2	57.6	84.4	90	78	210	89.8	90	83	214
									2EH04507546	68.9	2	86.4	98.8	110	111	210	104.2	110	116	214
	575-3-60	20.0	32.4	9.0	78	1.9	7.9	3.5	None	-	-	-	49.5	60	51	167	53.0	70	55	170
									2EH04502558	23.0	1	23.0	49.5	60	51	167	53.0	70	55	170
									2EH04505058	45.9	2	46.0	67.4	70	62	167	71.8	80	66	170
									2EH04507558	68.9	2	69.1	79.0	90	89	167	83.4	90	93	170
23 (23)	208-3-60	62.0	68.3	28.5	255	4.7	25.4	9.6	None	-	-	-	150.2	200	155	522	159.8	200	166	532
									2EH04502525	18.8	1	52.1	150.2	200	155	522	159.8	200	166	532
									2EH04505025	37.6	2	104.3	162.1	200	155	522	174.1	200	166	532
									2EH04507525	56.3	2	156.2	188.0	200	209	522	200.0	200	220	532
	230-3-60	62.0	68.3	28.5	255	4.7	25.4	8.7	None	-	-	-	150.2	200	155	522	158.9	200	165	531
									2EH04502525	23.0	1	57.7	150.2	200	155	522	158.9	200	165	531
									2EH04505025	45.9	2	115.2	175.8	200	162	522	186.6	200	172	531
									2EH04507525	68.9	2	172.9	204.7	225	228	522	215.5	225	238	531
	460-3-60	30.0	35.7	13.5	123	2.3	12.7	4.3	None	-	-	-	72.9	100	75	258	77.2	100	80	262
									2EH04502546	23.0	1	28.8	72.9	100	75	258	77.2	100	80	262
									2EH04505046	45.9	2	57.6	87.9	100	81	258	93.3	100	86	262
									2EH04507546	68.9	2	86.4	102.3	110	114	258	107.7	110	119	262
	575-3-60	25.0	32.4	10.7	93.7	1.9	10.5	3.5	None	-	-	-	60.1	80	62	205	63.6	80	66	209
									2EH04502558	23.0	1	23.0	60.1	80	62	205	63.6	80	66	209
									2EH04505058	45.9	2	46.0	70.6	80	65	205	75.0	80	69	209
									2EH04507558	68.9	2	69.1	82.2	90	92	205	86.6	90	96	209

Table 78: KE13 to KE23 VFD customer supplied high static with on/off power exhaust

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		OD fan motors each FLA	Supply blower motor FLA	Pwr exh motor FLA	120 V trans FLA	Electric heat option field installed kit				MCA A	Max f/b size A	Min disconnect rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconnect rating/120 V trans	
		RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
13 (12.5)	208-3-60	30.0	53.1	23.2	142	4.7	13.5	5.0	9.6	None	-	-	-	93.6	110	99	328	103.2	125	110	338
										2EH04522525	18.8	1	52.1	94.5	110	99	328	106.5	125	110	338
										2EH04525025	37.6	2	104.3	159.8	175	147	328	171.8	175	158	338
	230-3-60	30.0	53.1	23.2	142	4.7	13.4	5.0	8.7	None	-	-	-	93.5	110	99	328	102.2	125	109	336
										2EH04522525	23.0	1	57.7	101.4	110	99	328	112.3	125	109	336
										2EH04525025	45.9	2	115.2	173.3	175	159	328	184.1	200	169	336
	460-3-60	15.0	27.6	9.5	73.1	2.3	6.7	2.2	4.3	None	-	-	-	44.0	50	46	166	48.3	60	51	170
										2EH04522546	23.0	1	28.8	49.9	50	46	166	55.3	60	51	170
										2EH04525046	45.9	2	57.6	85.9	90	79	166	91.3	100	84	170
	575-3-60	13.0	21.6	7.8	55	1.9	5.4	1.5	3.5	None	-	-	-	36.3	45	38	127	39.8	50	42	130
										2EH04522558	23.0	1	23.0	39.3	45	38	127	43.6	50	42	130
										2EH04525058	45.9	2	46.0	68.0	70	63	127	72.4	80	67	130
15 (15)	208-3-60	33.0	53.1	26.3	178.5	4.7	13.5	5.0	9.6	None	-	-	-	100.5	125	106	365	110.1	125	117	374
										2EH04502525	18.8	1	52.1	100.5	125	106	365	110.1	125	117	374
										2EH04505025	37.6	2	104.3	159.8	175	147	365	171.8	175	158	374
										2EH04507525	56.3	2	156.2	185.6	200	207	365	197.6	200	218	374
	230-3-60	33.0	53.1	26.3	178.5	4.7	13.4	5.0	8.7	None	-	-	-	100.4	125	106	364	109.1	125	116	373
										2EH04502525	23.0	1	57.7	101.4	125	106	364	112.3	125	116	373
										2EH04505025	45.9	2	115.2	173.3	175	159	364	184.1	200	169	373
										2EH04507525	68.9	2	172.9	202.2	225	226	364	213.0	225	236	373
	460-3-60	16.0	27.6	11.0	95.3	2.3	6.7	2.2	4.3	None	-	-	-	46.7	60	49	188	51.0	60	54	192
										2EH04502546	23.0	1	28.8	49.9	60	49	188	55.3	60	54	192
										2EH04505046	45.9	2	57.6	85.9	90	79	188	91.3	100	84	192
										2EH04507546	68.9	2	86.4	100.3	110	112	188	105.7	110	117	192
	575-3-60	13.0	21.6	9.2	65	1.9	5.4	1.5	3.5	None	-	-	-	37.7	50	40	137	41.2	50	44	140
										2EH04502558	23.0	1	23.0	39.3	50	40	137	43.6	50	44	140
										2EH04505058	45.9	2	46.0	68.0	70	63	137	72.4	80	67	140
										2EH04507558	68.9	2	69.1	79.6	90	89	137	84.0	90	93	140
18 (17.5)	208-3-60	37.0	53.1	27.7	178.5	4.7	19.8	5.0	9.6	None	-	-	-	122.6	150	130	401	132.2	150	141	411
										2EH04502525	18.8	1	52.1	122.6	150	130	401	132.2	150	141	411
										2EH04505025	37.6	2	104.3	167.6	175	154	401	179.6	200	165	411
										2EH04507525	56.3	2	156.2	193.5	200	214	401	205.5	225	225	411
	230-3-60	37.0	53.1	27.7	178.5	4.7	19.8	5.0	8.7	None	-	-	-	122.6	150	130	401	131.3	150	140	410
										2EH04502525	23.0	1	57.7	122.6	150	130	401	131.3	150	140	410
										2EH04505025	45.9	2	115.2	181.3	200	167	401	192.1	200	177	410
										2EH04507525	68.9	2	172.9	210.2	225	233	401	221.0	225	243	410
	460-3-60	18.0	27.6	11.5	103	2.3	9.9	2.2	4.3	None	-	-	-	57.5	70	61	214	61.8	70	66	218
										2EH04502546	23.0	1	28.8	57.5	70	61	214	61.8	70	66	218
										2EH04505046	45.9	2	57.6	89.9	90	83	214	95.3	100	88	218
										2EH04507546	68.9	2	86.4	104.3	110	116	214	109.7	110	121	218
	575-3-60	15.0	21.6	9.0	78	1.9	7.9	1.5	3.5	None	-	-	-	46.3	60	49	162	49.8	60	53	166
										2EH04502558	23.0	1	23.0	46.3	60	49	162	49.8	60	53	166
										2EH04505058	45.9	2	46.0	71.1	80	65	162	75.5	80	69	166
										2EH04507558	68.9	2	69.1	82.7	90	92	162	87.1	90	96	166

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Table 78: KE13 to KE23 VFD customer supplied high static with on/off power exhaust

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		OD fan motors each FLA	Supply blower motor FLA	Pwr exh motor FLA	120 V trans FLA	Electric heat option field installed kit				MCA A	Max f/b size A	Min disconnect rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconnect rating/120 V trans	
		RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
20 (20)	208-3-60	51.0	68.3	28.7	207.5	4.7	19.8	5.0	9.6	None	-	-	-	141.1	175	148	445	150.7	200	159	455
										2EH04502525	18.8	1	52.1	141.1	175	148	445	150.7	200	159	455
										2EH04505025	37.6	2	104.3	167.6	175	154	445	179.6	200	165	455
										2EH04507525	56.3	2	156.2	193.5	200	214	445	205.5	225	225	455
	230-3-60	51.0	68.3	28.7	207.5	4.7	19.8	5.0	8.7	None	-	-	-	141.1	175	148	445	149.8	200	158	454
										2EH04502525	23.0	1	57.7	141.1	175	148	445	149.8	200	158	454
										2EH04505025	45.9	2	115.2	181.3	200	167	445	192.1	200	177	454
										2EH04507525	68.9	2	172.9	210.2	225	233	445	221.0	225	243	454
	460-3-60	25.0	35.7	12.4	100.2	2.3	9.9	2.2	4.3	None	-	-	-	67.2	90	70	219	71.5	90	75	223
										2EH04502546	23.0	1	28.8	67.2	90	70	219	71.5	90	75	223
										2EH04505046	45.9	2	57.6	89.9	90	83	219	95.3	100	88	223
										2EH04507546	68.9	2	86.4	104.3	110	116	219	109.7	110	121	223
	575-3-60	20.0	32.4	9.0	78	1.9	7.9	1.5	3.5	None	-	-	-	52.5	70	55	173	56.0	70	59	177
										2EH04502558	23.0	1	23.0	52.5	70	55	173	56.0	70	59	177
										2EH04505058	45.9	2	46.0	71.1	80	65	173	75.5	80	69	177
										2EH04507558	68.9	2	69.1	82.7	90	92	173	87.1	90	96	177
23 (23)	208-3-60	62.0	68.3	28.5	255	4.7	25.4	5.0	9.6	None	-	-	-	160.2	200	166	543	169.8	225	177	553
										2EH04502525	18.8	1	52.1	160.2	200	166	543	169.8	225	177	553
										2EH04505025	37.6	2	104.3	174.6	200	166	543	186.6	225	177	553
										2EH04507525	56.3	2	156.2	200.5	225	220	543	212.5	225	231	553
	230-3-60	62.0	68.3	28.5	255	4.7	25.4	5.0	8.7	None	-	-	-	160.2	200	166	543	168.9	225	176	552
										2EH04502525	23.0	1	57.7	160.2	200	166	543	168.9	225	176	552
										2EH04505025	45.9	2	115.2	188.3	200	173	543	199.1	225	183	552
										2EH04507525	68.9	2	172.9	217.2	225	240	543	228.0	250	250	552
	460-3-60	30.0	35.7	13.5	123	2.3	12.7	2.2	4.3	None	-	-	-	77.3	100	80	267	81.6	110	85	271
										2EH04502546	23.0	1	28.8	77.3	100	80	267	81.6	110	85	271
										2EH04505046	45.9	2	57.6	93.4	100	86	267	98.8	110	91	271
										2EH04507546	68.9	2	86.4	107.8	110	119	267	113.2	125	124	271
	575-3-60	25.0	32.4	10.7	93.7	1.9	10.5	1.5	3.5	None	-	-	-	63.1	80	65	212	66.6	90	69	215
										2EH04502558	23.0	1	23.0	63.1	80	65	212	66.6	90	69	215
										2EH04505058	45.9	2	46.0	74.4	80	68	212	78.8	90	72	215
										2EH04507558	68.9	2	69.1	86.0	90	95	212	90.4	100	99	215

Table 79: KE13 to KE23 VFD customer supplied high static with modulating power exhaust

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		OD fan motors each FLA	Supply blower motor FLA	Pwr exh motor FLA	120 V trans FLA	Electric heat option field installed kit				MCA A	Max f/b size A	Min disconnect rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconnect rating/120 V trans	
		RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
13 (12.5)	208-3-60	30.0	53.1	23.2	142	4.7	13.5	6.7	9.6	None	-	-	-	97.0	125	103	321	106.6	125	114	330
										2EH04522525	18.8	1	52.1	98.8	125	103	321	110.8	125	114	330
										2EH04525025	37.6	2	104.3	164.0	175	151	321	176.0	200	162	330
	230-3-60	30.0	53.1	23.2	142	4.7	13.4	6.7	8.7	None	-	-	-	96.9	125	103	320	105.6	125	113	329
										2EH04522525	23.0	1	57.7	105.6	125	103	320	116.5	125	113	329
										2EH04525025	45.9	2	115.2	177.5	200	163	320	188.4	200	173	329
	460-3-60	15.0	27.6	9.5	73.1	2.3	6.7	3.4	4.3	None	-	-	-	46.4	60	49	163	50.7	60	54	167
										2EH04522546	23.0	1	28.8	52.9	60	49	163	58.3	60	54	167
										2EH04525046	45.9	2	57.6	88.9	90	82	163	94.3	100	87	167
	575-3-60	13.0	21.6	7.8	55	1.9	5.4	2.7	3.5	None	-	-	-	38.7	50	41	126	42.2	50	45	129
										2EH04522558	23.0	1	23.0	42.3	50	41	126	46.6	50	45	129
										2EH04525058	45.9	2	46.0	71.0	80	65	126	75.4	80	69	129
15 (15)	208-3-60	33.0	53.1	26.3	178.5	4.7	13.5	6.7	9.6	None	-	-	-	103.9	125	110	357	113.5	125	121	367
										2EH04502525	18.8	1	52.1	103.9	125	110	357	113.5	125	121	367
										2EH04505025	37.6	2	104.3	164.0	175	151	357	176.0	200	162	367
										2EH04507525	56.3	2	156.2	189.8	200	211	357	201.8	225	222	367
	230-3-60	33.0	53.1	26.3	178.5	4.7	13.4	6.7	8.7	None	-	-	-	103.8	125	110	356	112.5	125	120	365
										2EH04502525	23.0	1	57.7	105.6	125	110	356	116.5	125	120	365
										2EH04505025	45.9	2	115.2	177.5	200	163	356	188.4	200	173	365
										2EH04507525	68.9	2	172.9	206.4	225	230	356	217.3	225	240	365
	460-3-60	16.0	27.6	11.0	95.3	2.3	6.7	3.4	4.3	None	-	-	-	49.1	60	52	185	53.4	60	57	190
										2EH04502546	23.0	1	28.8	52.9	60	52	185	58.3	60	57	190
										2EH04505046	45.9	2	57.6	88.9	90	82	185	94.3	100	87	190
										2EH04507546	68.9	2	86.4	103.3	110	115	185	108.7	110	120	190
	575-3-60	13.0	21.6	9.2	65	1.9	5.4	2.7	3.5	None	-	-	-	40.1	50	42	136	43.6	50	46	139
										2EH04502558	23.0	1	23.0	42.3	50	42	136	46.6	50	46	139
										2EH04505058	45.9	2	46.0	71.0	80	65	136	75.4	80	69	139
										2EH04507558	68.9	2	69.1	82.6	90	92	136	87.0	90	96	139
18 (17.5)	208-3-60	37.0	53.1	27.7	178.5	4.7	19.8	6.7	9.6	None	-	-	-	126.0	150	134	393	135.6	150	145	403
										2EH04502525	18.8	1	52.1	126.0	150	134	393	135.6	150	145	403
										2EH04505025	37.6	2	104.3	171.9	175	158	393	183.9	200	169	403
										2EH04507525	56.3	2	156.2	197.7	200	218	393	209.7	225	229	403
	230-3-60	37.0	53.1	27.7	178.5	4.7	19.8	6.7	8.7	None	-	-	-	126.0	150	134	393	134.7	150	144	402
										2EH04502525	23.0	1	57.7	126.0	150	134	393	134.7	150	144	402
										2EH04505025	45.9	2	115.2	185.5	200	171	393	196.4	200	181	402
										2EH04507525	68.9	2	172.9	214.4	225	237	393	225.3	250	247	402
	460-3-60	18.0	27.6	11.5	103	2.3	9.9	3.4	4.3	None	-	-	-	59.9	70	64	211	64.2	80	69	216
										2EH04502546	23.0	1	28.8	59.9	70	64	211	64.2	80	69	216
										2EH04505046	45.9	2	57.6	92.9	100	85	211	98.3	100	90	216
										2EH04507546	68.9	2	86.4	107.3	110	119	211	112.7	125	124	216
	575-3-60	15.0	21.6	9.0	78	1.9	7.9	2.7	3.5	None	-	-	-	48.7	60	52	161	52.2	60	56	165
										2EH04502558	23.0	1	23.0	48.7	60	52	161	52.2	60	56	165
										2EH04505058	45.9	2	46.0	74.1	80	68	161	78.5	80	72	165
										2EH04507558	68.9	2	69.1	85.7	90	95	161	90.1	100	99	165

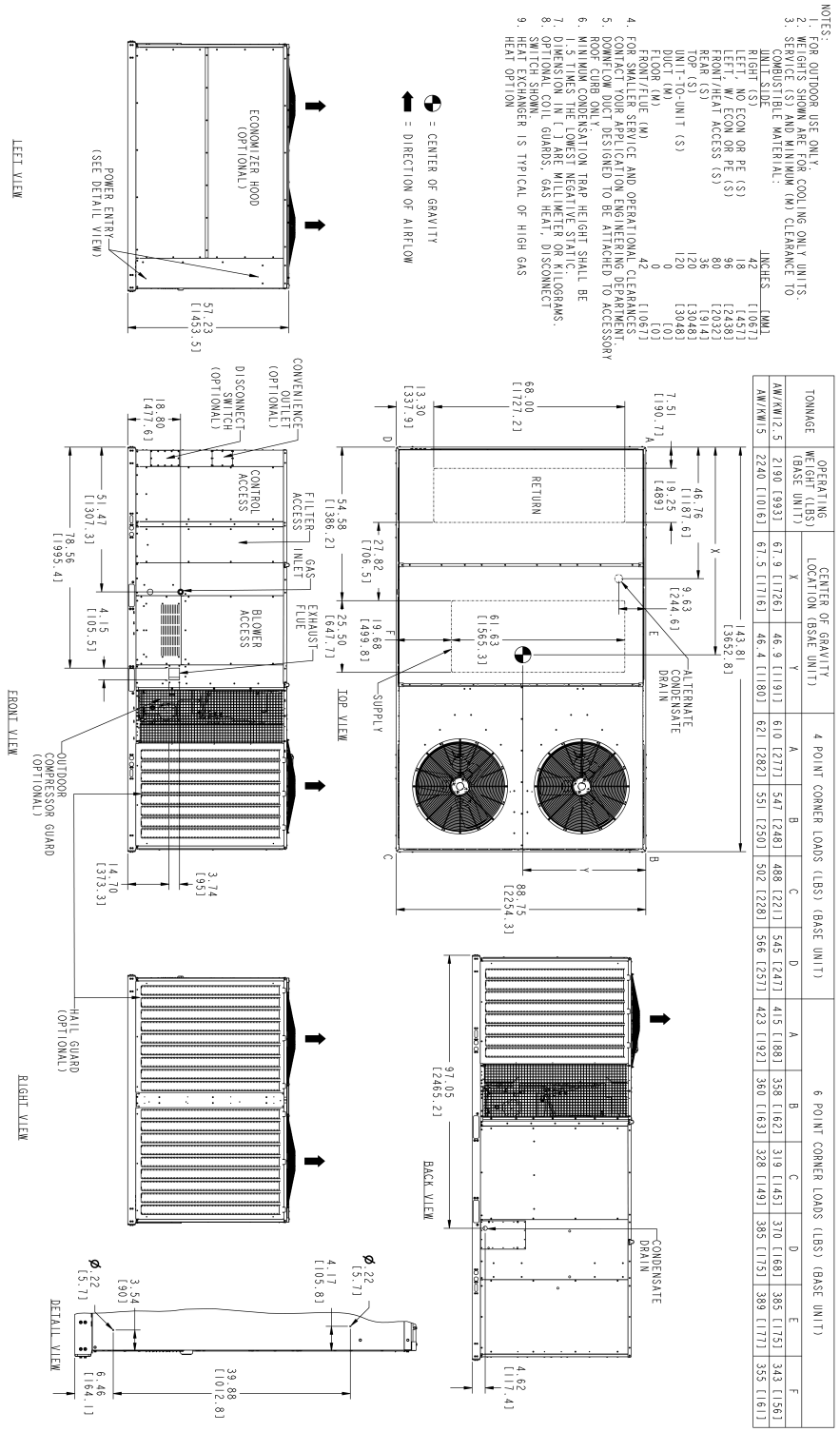
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Table 79: KE13 to KE23 VFD customer supplied high static with modulating power exhaust

Size (ton)	Nominal unit voltage	Comp. 1		Comp. 2		OD fan motors each FLA	Supply blower motor FLA	Pwr exh motor FLA	120 V trans FLA	Electric heat option field installed kit				MCA A	Max f/b size A	Min disconnect rating		MCA with 120 V trans A	Max f/b size with 120 V trans A	Min disconnect rating/120 V trans	
		RLA	LRA	RLA	LRA					Model	kW	Stages	A			FLA	LRA			FLA	LRA
20 (20)	208-3-60	51.0	68.3	28.7	207.5	4.7	19.8	6.7	9.6	None	-	-	-	144.5	175	151	438	154.1	200	162	447
										2EH04502525	18.8	1	52.1	144.5	175	151	438	154.1	200	162	447
										2EH04505025	37.6	2	104.3	171.9	175	158	438	183.9	200	169	447
										2EH04507525	56.3	2	156.2	197.7	200	218	438	209.7	225	229	447
	230-3-60	51.0	68.3	28.7	207.5	4.7	19.8	6.7	8.7	None	-	-	-	144.5	175	151	438	153.2	200	161	446
										2EH04502525	23.0	1	57.7	144.5	175	151	438	153.2	200	161	446
										2EH04505025	45.9	2	115.2	185.5	200	171	438	196.4	200	181	446
										2EH04507525	68.9	2	172.9	214.4	225	237	438	225.3	250	247	446
	460-3-60	25.0	35.7	12.4	100.2	2.3	9.9	3.4	4.3	None	-	-	-	69.6	90	73	217	73.9	90	78	221
										2EH04502546	23.0	1	28.8	69.6	90	73	217	73.9	90	78	221
										2EH04505046	45.9	2	57.6	92.9	100	85	217	98.3	100	90	221
										2EH04507546	68.9	2	86.4	107.3	110	119	217	112.7	125	124	221
	575-3-60	20.0	32.4	9.0	78	1.9	7.9	2.7	3.5	None	-	-	-	54.9	70	57	172	58.4	70	61	176
										2EH04502558	23.0	1	23.0	54.9	70	57	172	58.4	70	61	176
										2EH04505058	45.9	2	46.0	74.1	80	68	172	78.5	80	72	176
										2EH04507558	68.9	2	69.1	85.7	90	95	172	90.1	100	99	176
23 (23)	208-3-60	62.0	68.3	28.5	255	4.7	25.4	6.7	9.6	None	-	-	-	163.6	225	170	536	173.2	225	181	545
										2EH04502525	18.8	1	52.1	163.6	225	170	536	173.2	225	181	545
										2EH04505025	37.6	2	104.3	178.9	225	170	536	190.9	225	181	545
										2EH04507525	56.3	2	156.2	204.7	225	224	536	216.7	225	235	545
	230-3-60	62.0	68.3	28.5	255	4.7	25.4	6.7	8.7	None	-	-	-	163.6	225	170	536	172.3	225	180	544
										2EH04502525	23.0	1	57.7	163.6	225	170	536	172.3	225	180	544
										2EH04505025	45.9	2	115.2	192.5	225	177	536	203.4	225	187	544
										2EH04507525	68.9	2	172.9	221.4	225	243	536	232.3	250	253	544
	460-3-60	30.0	35.7	13.5	123	2.3	12.7	3.4	4.3	None	-	-	-	79.7	100	83	265	84.0	110	88	269
										2EH04502546	23.0	1	28.8	79.7	100	83	265	84.0	110	88	269
										2EH04505046	45.9	2	57.6	96.4	100	89	265	101.8	110	94	269
										2EH04507546	68.9	2	86.4	110.8	125	122	265	116.2	125	127	269
	575-3-60	25.0	32.4	10.7	93.7	1.9	10.5	2.7	3.5	None	-	-	-	65.5	90	68	211	69.0	90	72	214
										2EH04502558	23.0	1	23.0	65.5	90	68	211	69.0	90	72	214
										2EH04505058	45.9	2	46.0	77.4	90	71	211	81.8	90	75	214
										2EH04507558	68.9	2	69.1	89.0	90	98	211	93.4	100	102	214

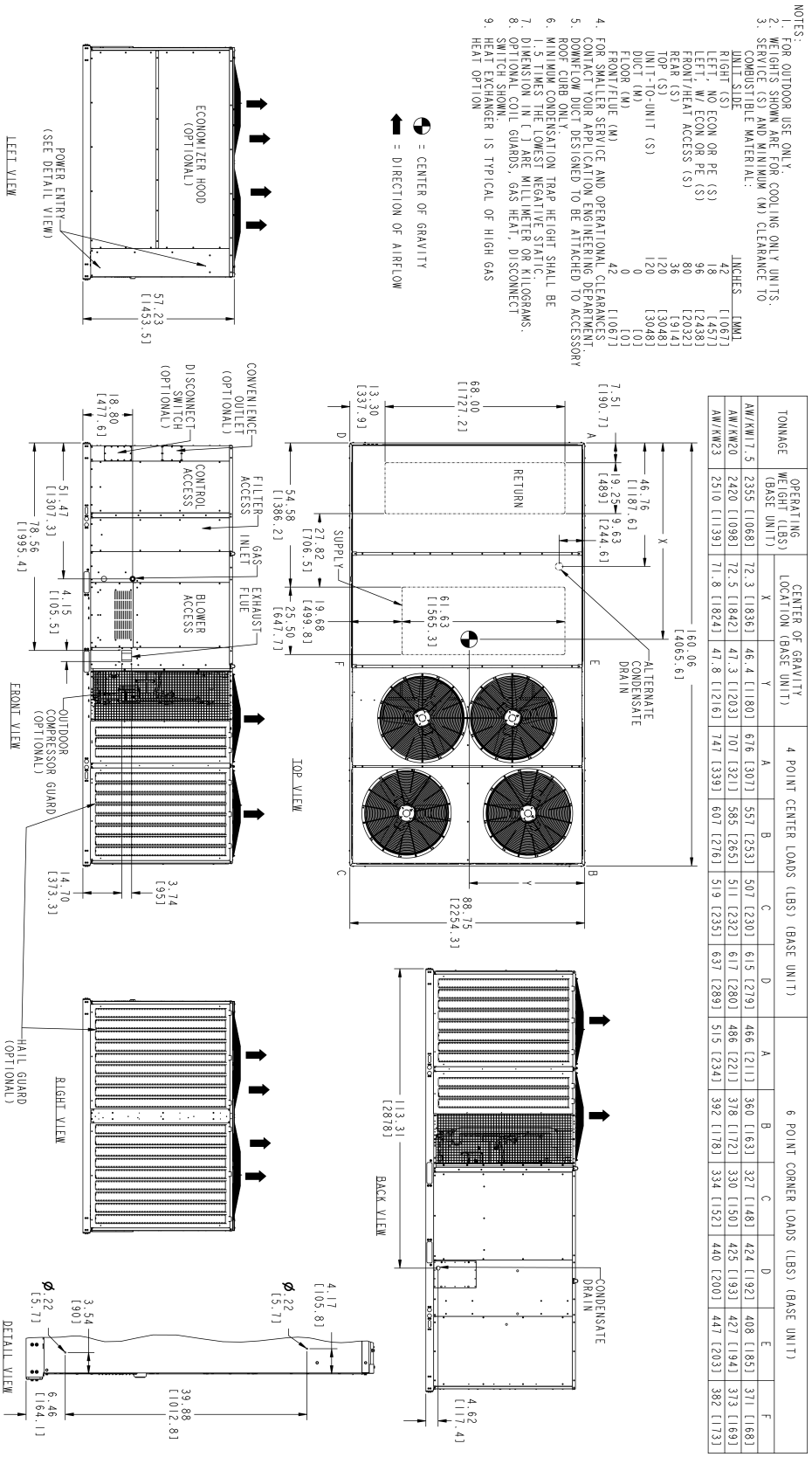
Weights and dimensions

Figure 7: KE13 and KE15 physical dimensions



TONNAGE	OPERATING WEIGHT (LBS) (BASE UNIT)	CENTER OF GRAVITY LOCATION (BSAE UNIT)		4 POINT CORNER LOADS (LBS) (BASE UNIT)				6 POINT CORNER LOADS (LBS) (BASE UNIT)						
		X	Y	A	B	C	D	A	B	C	D	E	F	
AW/KW2.5	2190 [993]	67.9 [1726]	46.9 [1191]	610 [277]	547 [248]	488 [221]	545 [247]	415 [188]	358 [162]	319 [145]	370 [168]	385 [175]	343 [156]	
AW/KW15	2240 [1016]	67.5 [1716]	46.4 [1180]	621 [282]	551 [250]	502 [228]	566 [257]	423 [192]	360 [163]	328 [149]	385 [175]	389 [177]	355 [161]	

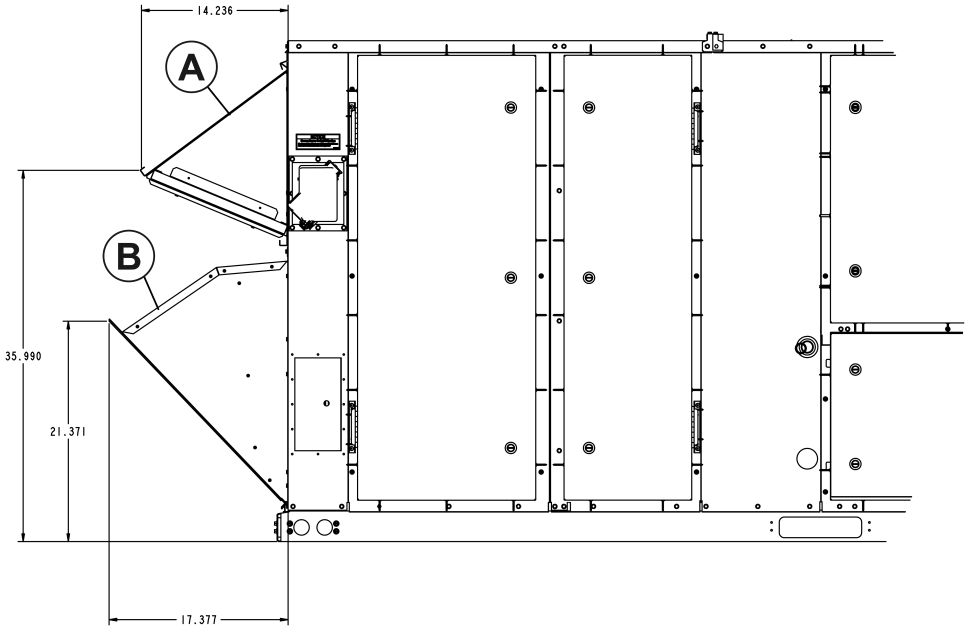
Figure 8: KE18, KE20, and KE23 physical dimensions



TONNAGE	OPERATING WEIGHT (LBS) (BASE UNIT)	CENTER OF GRAVITY LOCATION (BASE UNIT)		4 POINT CENTER LOADS (LBS) (BASE UNIT)				6 POINT CORNER LOADS (LBS) (BASE UNIT)						
		X	Y	A	B	C	D	A	B	C	D	E	F
AW/KW17.5	2355 [1068]	72.3 [1836]	46.4 [1180]	676 [307]	557 [253]	507 [230]	615 [279]	466 [211]	360 [163]	327 [148]	424 [192]	408 [185]	371 [168]
AW/KW20	2420 [1098]	72.5 [1842]	47.3 [1203]	707 [321]	585 [265]	511 [232]	617 [280]	486 [221]	378 [172]	330 [150]	425 [193]	427 [194]	373 [169]
AW/KW23	2510 [1139]	71.8 [1824]	47.8 [1216]	747 [339]	607 [276]	519 [235]	637 [289]	515 [234]	392 [178]	334 [152]	440 [200]	447 [203]	382 [173]

Rain hood dimensions

Figure 9: Rain hood dimensions



Item	Description
A	Economizer, manual damper, and motorized damper rain hood
B	Power exhaust rain hood

Utilities entry

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

Table 80: 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

Unit accessory weights

Table 81: Unit accessory weights

Unit accessory	Unit size	
	12.5 ton and 15 ton	17.5 ton to 23 ton
Economizer	165	165
Motorized damper	75	75
Barometric damper	50	50
Power Exhaust (CV, Std CFM)	170	170
Power Exhaust (Mod, Std CFM)	212	212
Power Exhaust (CV/Mod, Hi CFM)	450	450
Electric heat (75 kW)	75	75
Gas heat (largest)	155	155
Hail guards	107	132
Wood skid and shipping brackets	70	80
Roof curb	230	250

Supply fan VFD weights

Table 82: Supply fan VFD weights

Supply fan motor	208/230V	460V	575V
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

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.

Return air

Supply air

Figure 10: 1RC0444 and 1RC0447 roof curb dimensions

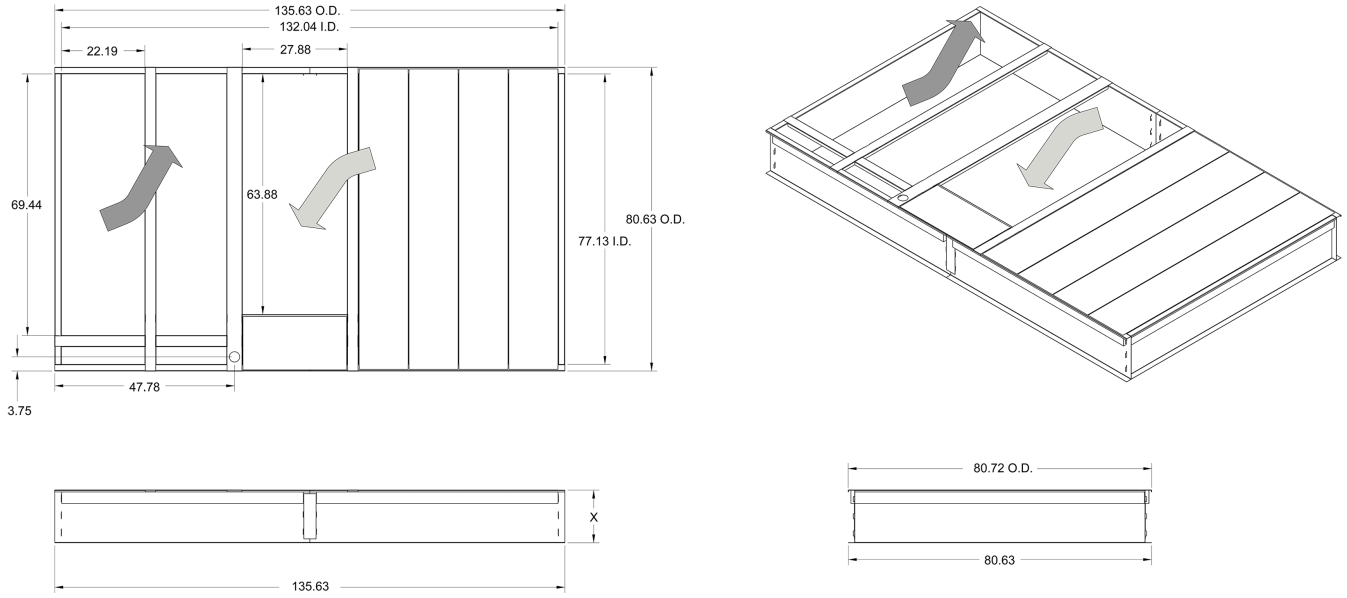


Table 83: 1RC0444 and 1RC0447 dimensions

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

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

- KE13
- KE15

Figure 11: 1RC0445 and 1RC0448 roof curb dimensions

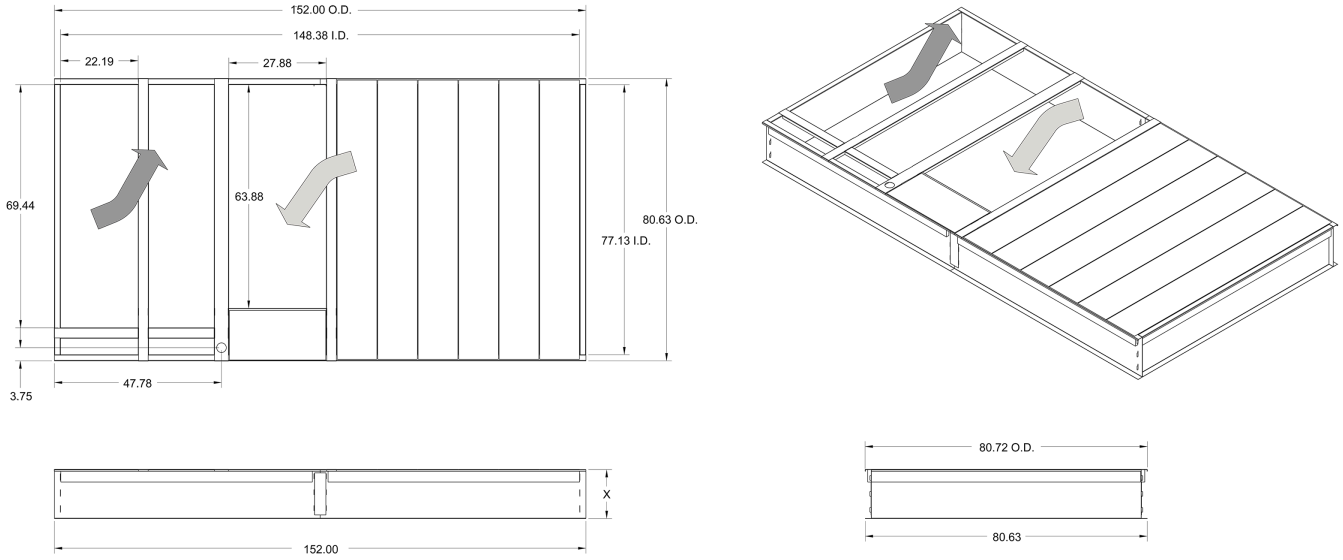


Table 84: 1RC0445 and 1RC0448 dimensions

Roof curb	X measurement (in.)
1RC0445	14
1RC0448	24

The following units are compatible with 1RC0445 and 1RC0448 roof curbs.

- KE18
- KE20
- KE23

Figure 12: Roof curb cutaway

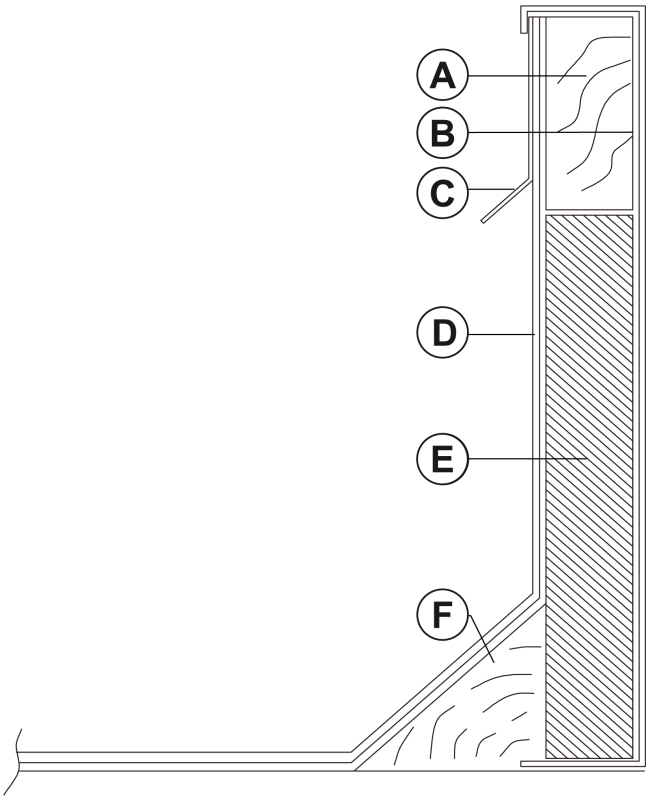


Table 85: Roof curb cutaway components

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 13: Economizer options

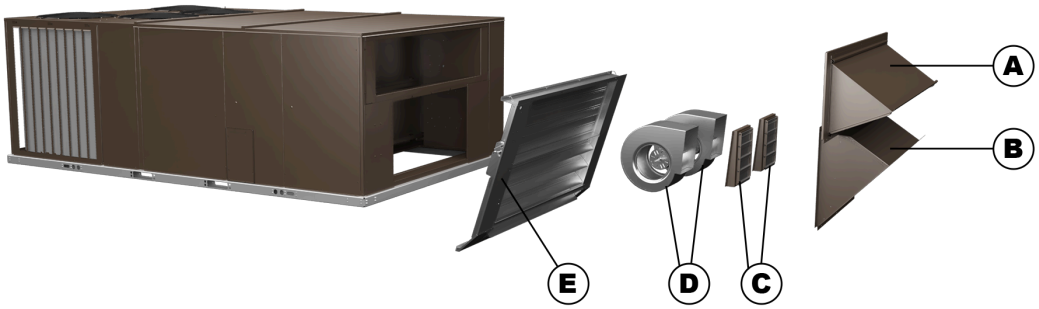


Table 86: Economizer components

Item	Description
A	Fresh air hood
B	Power exhaust hood
C	Power exhaust damper
D	Power exhaust
E	Low leak economizer

Installing a typical unit

The following figures show the typical installations for the unit.

Figure 14: Roof jack installation

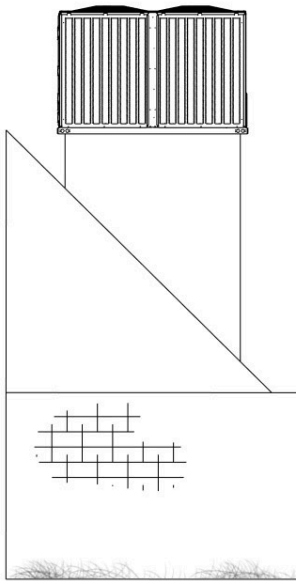
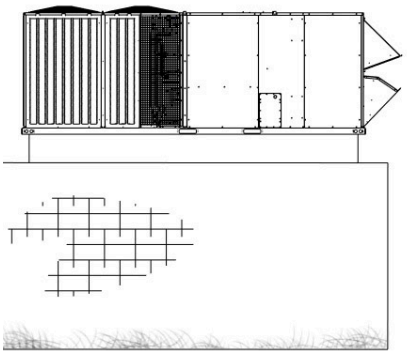


Figure 15: Roof curb installation



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Supersedes: 6604605-JTG-A-0125