Technical Guide: Bosch Core WYE, WXE, WQE, 3 ton to 10 ton, Heat Pump

R-454B, 60 Hertz

BHC Group Heating & Cooling, 5005 York Drive, Norman, OK 73069

www.bosch.com

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Supersedes: N/A

A

Contents

General

Certifications

Product highlights

- Assembled in Norman, OK
- ASHRAE 90.1 compliant
- R-454B refrigerant
- Cooling only configurations available
- Scroll compressors
- Up to 14.5 SEER2 and 12.2 EER2 (for 3 to 5 ton units)
- Up to 17.0 IEER and 12.1 EER (for 6 to 10 ton units)
- State of the art microprocessor controls with specific programming for product applications
- Evaporator and condenser coils utilize copper tube/aluminum fin design for proven reliability and performance.
- Thermostatic expansion valve (TXV) standard on all models
- Single-stage cooling (3 to 5 ton models)
- Two-stage cooling (6 ton to 10 ton models)
- Alternate motor and drives

Options and accessories

- Refrigerant Detection System (RDS)
- Economizers with barometric relief
- Louvered hail guards
- Non-fused disconnect
- Power exhaust
- Smoke detectors
- Manual and motorized dampers
- Hinged cabinet doors
- Through-the-base connections for power and control wiring.
- Field-installed electric heat kits. Installation Instruction for the electric heat kits may be found in the electric heat kits.
- Intelli *Speed*™ with Premium Efficiency indoor motors to meet ASHRAE 90.1 requirements (6 ton and larger models)

Component location

Figure 1: Heat pump (3 ton to 5 ton)

Features and benefits

Standard and high efficiency available. The high efficiency meets the requirements for Energy Star that exceeds 14.5 SEER2 and 12.2 EER2. These efficiencies meet or exceed all legislated minimum levels providing lower operating costs.

A

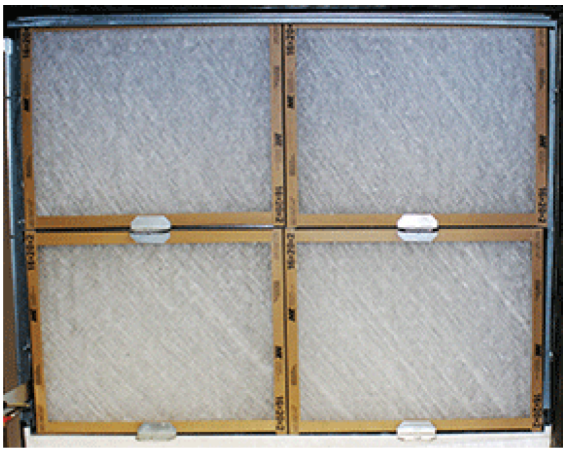
All models use a scroll compressor that is environmentally friendly by using R-454B refrigerant. Use of the scroll compressor technology means a simple internal design, fewer moving parts, equating to a quiet, reliable, easy to service and efficient system. Internal compressor protection is standard and compressors include protection to prevent liquid damage.

Total system design A single circuit, single compressor design is used on the 3 ton to 5 ton units for cost effectiveness and reliability without compromising quality.

System protection Liquid line filter-driers, high and low pressure safeties are standard on each refrigerant circuit. Suction line sensors monitor temperature to prevent possible liquid flood back to the compressors and also protect against loss of charge and coil frosting.

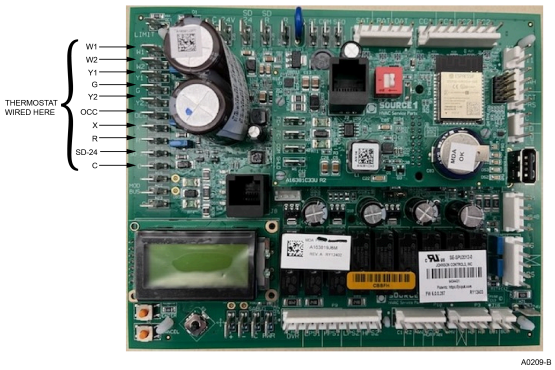
B

Balanced outdoor fan design makes for a quieter unit. The outdoor condenser fans are dynamically balanced for better performance and reliability. The direct drive fan design mounted to the fan grill allows for quick and easy service. Where other's components might fail at extreme temperatures our units are tested and rated up to 125°F ambient cooling operation.



C

Filter rack Each unit comes with 2 in. filters. Units ship with MERV 4 throwaway filters standard; however MERV 8 and MERV 13 filters can be easily added through the tool-free filter access panel to meet LEED requirements. Refer to Physical data for filter size details.



D

Units come with the new state of the art Smart Equipment™ control system. The new unit control incorporates the best of the already proven Smart Equipment™ controls and creates a more robust, intelligent control. The goal of this control is to utilize cutting edge technology making the equipment easier to install, operate, and service. All units are factory commissioned, configured, and run tested.

Versatile The Smart Equipment™ control can be configured to use with a standard thermostat (easy to connect screw terminals), a zone sensor, or can be setup to communicate with multiple BAS communication protocols to integrate with building automation systems.

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

On-board USB Port The new control comes with a long list of features including data logging, current and previous system faults and software update capabilities using the on board USB port and common flash drive. Energy use monitoring capabilities allow custom tailoring to allow a system to work more efficiently at all times and occupancy levels. Self test and start-up reports also available from the board through the USB port.

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

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 high temperature limit switches are monitored on electric heating units. The control also monitors the voltage supplied to the unit and will protect the unit if low voltage due to a brown out, or other electrical issue occurs.

Low ambient An integrated low-ambient control allows units to operate in the cooling mode down to 40°F outdoor ambient without additional components or intervention. Optionally, the control board can be programmed to lockout the compressors when the outdoor air temperature is low or when free cooling is available.

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

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

Nuisance trip protection and three strikes To prevent nuisance calls, the control board uses a three times, you're out philosophy. The high, low-pressure switch, anti-freeze protection, low voltage or heating high limit must trip three times within two hours before the unit control board locks out the associated compressor. The same safety must trip three times before a hard lockout will occur.

E

Robust design Each unit is designed with an embossed top to increase structural support and ensure rigidity. The unit has a powder paint exterior finish including a industry leading 750 hour salt spray rating. All units are painted with a long lasting, powder paint that stands up over the life of the unit.

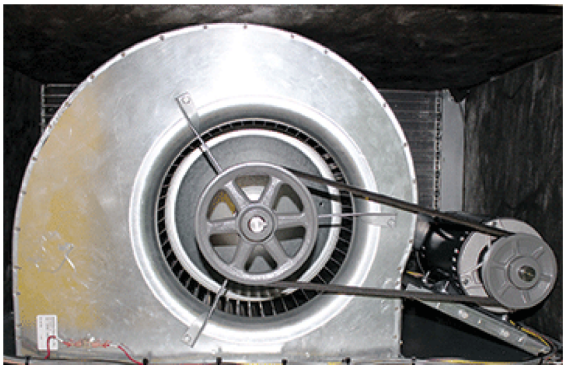
F

Full Perimeter base rail that fits on many existing curbs This product was designed with the replacement market in mind, which is why it will fit on many existing curbs in the field. It also takes into account the new construction market by being versatile and sturdy. This unit is equipped with heavier gauge and innovatively designed base rails to prevent damage from transporting and rigging.

G

Coils All condenser coils utilize copper tube with aluminum fin design for proven reliability and performance.

All evaporator coils utilize copper tube with aluminum fin design for proven reliability and performance.



H

Rigid mounted blower assembly Dynamically balanced indoor fans ensure better performance and reliability. Large access panels for easier access, service, and maintenance. X13 Direct drive (Standard Static Option) and belt drive (Medium Static and High Static Options) options available on 3 ton to 10 ton products.

Warranty All models include a 1 year limited warranty on the complete unit. Compressors carry a 5 year warranty.

Factory-installed options

Nomenclature digit position

Airflow options (8)
Alternate indoor blower motor: For applications with high static restrictions, units are offered with optional indoor motors providing higher external static capability and/or higher airflow, depending upon the installer's needs. • A = Standard static (direct drive for 3-5 ton, belt drive 6-10 ton) • B = Medium static (belt drive for 3-10 ton) • C = High static (belt drive for 3-10 ton; 3 phase models only)

VFD/VAV options (9)
Intelli *Speed*™ supply fan control option (ASHRAE 90.1 compliant, section 6.4.3.10) - Units configured with the Intelli *Speed*™ Supply fan option will contain a VFD for variable volume supply fan operation. This option allows the supply fan RPM to vary based on the number of compressors or heating stages energized. The economizer's minimum position is also configurable. • = None (comes with standard constant volume controls) • = VFD Intelli *Speed*™

Coil options (10)
E-coat coils: Coils are coated with an epoxy polymer coating to protect against corrosion. A 3-year warranty is added when this option is selected. • A = Standard indoor and outdoor coils (fin/tube design on indoor and outdoor coils with no E-coat coating added). • B = Standard indoor coil and E-coat coil outdoor coil (fin/tube design on indoor and outdoor coils. E-coat coating added to outdoor coil) • C = E-coat indoor coil and standard outdoor coil (fin/tube design on indoor and outdoor coils. E-coat coating added to indoor coil) • D = E-coat indoor coil and outdoor coil (fin/tube design on indoor and outdoor coils. E-coat coating added to indoor and outdoor coil)

Controls (11)
Smart Equipment™: This is the standard microprocessor control with capabilities to work with a sensor or thermostat only. Smart Equipment™ with BAS includes communication board with BACnet open-protocol system. **FDD (fault detection and diagnostics):** Refrigerant side factory-installed control system option on the commercial equipment that constantly monitors refrigerant circuit pressures, refrigerant circuit temperatures, as well as the environmental temperatures and humidity via multiple sensor inputs. Provides a building owner, technician or contractor with the operational characteristics of the RTUs entire refrigerant circuit to ensure the unit is functioning at its specified performance level. Provides alarms if the unit is not functioning optimally. Remotely accessible through the Mobile Access Portal (MAP) gateway as well as scrolled on the UCB LCD screen. **Verasys:** Verasys provides a simple user experience with configurable self-recognizing controllers without the need for any additional tools. Verasys creates enhanced integration of HVACR equipment, zoning, and controls. Contractors are able to offer a complete bundled solution of equipment and controls to serve the light commercial market. • A = Smart Equipment™ • B = Smart Equipment™ + BACnet MSTP, Mdbs, N2 COM card • J = Verasys single zone • K = Verasys change over bypass

Sensor options (12)
Refrigerant Detection System (RDS): Integrated sensors providing R-454B leak detection. RDS is connected into unit controls and automatically start a sequence to dilute refrigerant gas as well as alarm upon sensing the presence of refrigerant in the cabinet, indicating a leak equal to 25% of the lower flammability limit. The RDS contains factory or field installed sensors that are located to ensure accurate and timely sensing of a leak. • 1 = None (Units come standard with factory-installed supply air, return air, and outdoor air temperature sensors) • 2 = RA[1] smoke detector • 3 = SA smoke detector • 4 = RA[1] and SA smoke detector • 5 = RDS • 6 = RA smoke detector and RDS • 7 = SA smoke detector and RDS • 8 = RA and SA smoke detector and RDS
Note: 1. The return air smoke detector sensor must be relocated in the field. See the unit installation manual.

Factory-installed options

Economizer/damper (13)

Down flow economizers (with barometric relief): All units offer a variety of optional factory-installed economizers that are shipped, installed and wired with AMCA 511 Licensed Class 1A low leak dampers designed to exceed ASHRAE 90.1 and the International Energy Conservation Code (IECC) certification requirements by achieving leakage rates of 3 cfm/sq ft at 1 in. of static pressure. Each economizer goes through a rigorous 60,000 cycle test. Dry bulb, single enthalpy, and dual enthalpy (with field-installed kit) can be selected. All economizer options are fully integrated into the Smart Equipment™ controls. The economizer has spring return, fully modulating damper actuators and is capable of introducing up to 100% outdoor air. As the outdoor air intake dampers open, the return air dampers close. The changeover from mechanical refrigeration to economizer operation is regulated by the outdoor air dry bulb temperature or the outdoor air enthalpy input. The dual enthalpy kit provides a second input used to monitor the return air (field-installed). The installer needs only to assemble the outdoor air hood, attach the enthalpy control the hood and mount the hood to the unit (Hood and control are provided).

Dry bulb economizer: Economizer operation is enabled by the outdoor air temperature being less than the setpoint of the economizer module.

Enthalpy economizer: The added outdoor air enthalpy sensor enables economizer operation if the outdoor enthalpy is less tha = the setpoint of the economizer logic module.

- A = None
- G = Dry bulb economizer - enhanced static
- H = Enthalpy economizer - enhanced static

Convenience outlet (14)

Convenience outlet (powered and non-powered): This option locates a 120V single-phase GFCI outlet with cover, on the corner of the unit housing adjacent to the compressors. The Non-powered option requires the installer to provide the 120V single-phase power source and wiring. Factory-installed option only.

- 1 = None
- 2 = Non-powered convenience outlet
- 3 = Powered convenience outlet

Electrical options (15)

Disconnect switch: For units with field-installed electric heat kits, two factory-installed disconnect sizes are available (60A or 100A non-fused disconnect). Depending on the field-installed heater kit selected, the factory-installed disconnect may not be sufficient. Always refer to the unit nameplate or unit electrical data for the proper disconnect size. If the heater application requires a disconnect above 100A, the factory-installed disconnect should be removed and an appropriately sized external disconnect should be installed.

- 1 = None
- 2 = Non-fused disconnect[1]

Note:

1. Verify on the unit nameplate that the disconnect is properly sized for the application. Units with field-installed electric heat may exceed the factory-installed disconnect amperage rating.

Cabinet options (16)

Louvered hail guard: This kit includes a decorative louvered panel which installs over the outside condenser coil and prevents damage to the coil fins from hail strikes.

Hinged cabinet doors: The factory-installed hinged panel option will save time, money and labor while allowing easy servicing of blower components, filters and controls. With this option there is no longer a need to remove panels to access these critical sections and running the risk of losing panels or roof damage from loose panels and materials. Extra care was taken to design a durable hinged panel with leak tight seal.

- 1 = None
- 2 = Louvered panels
- 3 = Hinged cabinet doors
- 4 = Hinged cabinet doors and louvered panels

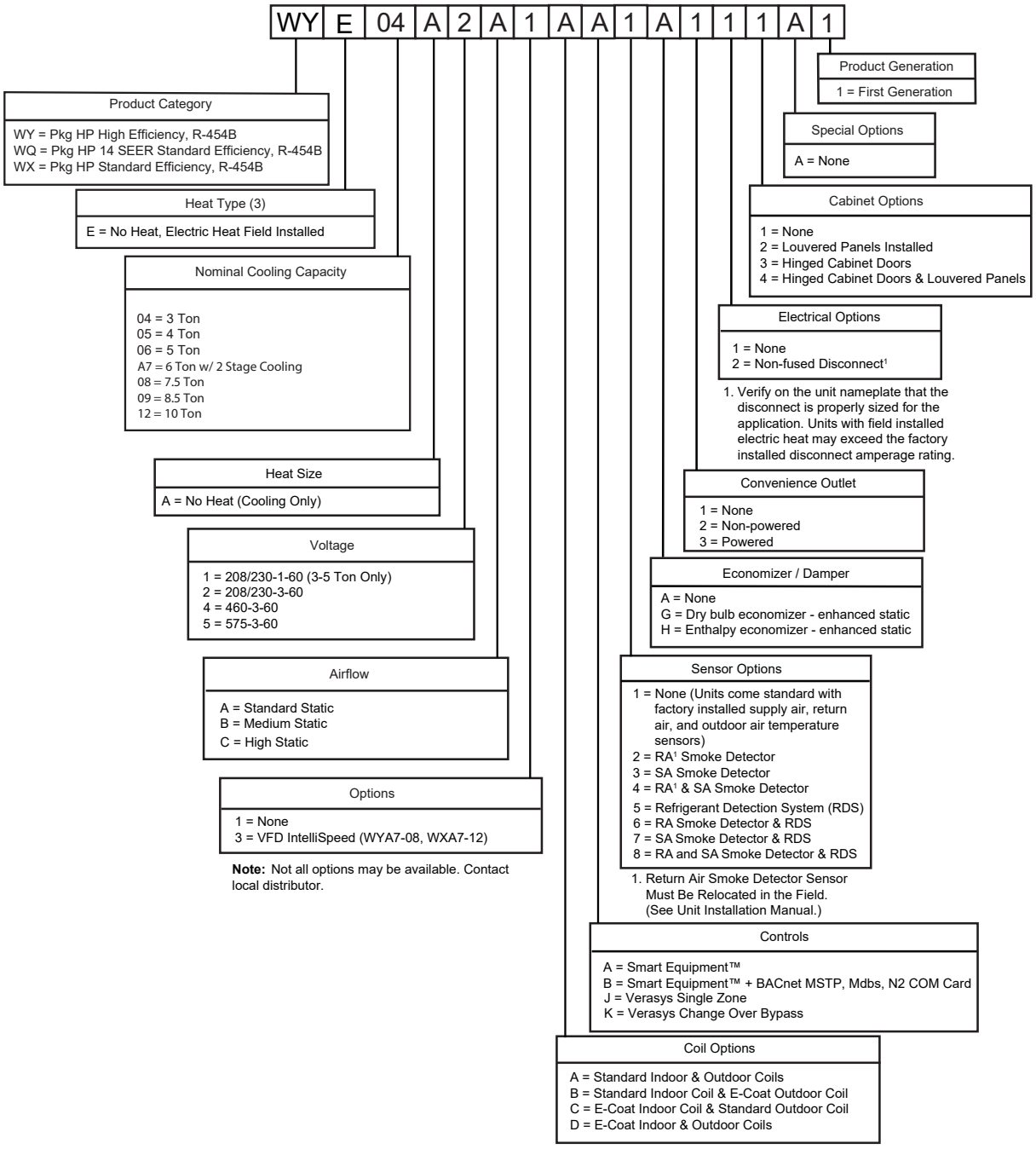
Field-installed accessories

- **Down flow economizers and horizontal economizers (with barometric relief):** All units offer a variety of field-installed economizers that are installed and wired with AMCA 511 Licensed Class 1A low leak dampers designed to exceed ASHRAE 90.1 and the International Energy Conservation Code (IECC) certification requirements by achieving leakage rates of 3 cfm/sq ft at 1 in. of static pressure. Each economizer goes through a rigorous 60,000 cycle test. Dry bulb, single enthalpy, and dual enthalpy (with field-installed kit) can be selected. All economizer options are fully integrated into the Smart Equipment™ controls. The economizer has spring return, fully modulating damper actuators and is capable of introducing up to 100% outdoor air. As the outdoor air intake dampers open, the return air dampers close. The changeover from mechanical refrigeration to economizer operation is regulated by the outdoor air dry bulb temperature or the outdoor air enthalpy input. The dual enthalpy kit provides a second input used to monitor the return air (field-installed). The installer needs only to assemble the outdoor air hood, attach the enthalpy control the hood and mount the hood to the unit (Hood and control are provided).
- **Dry bulb economizer:** Economizer operation is enabled by the outdoor air temperature being less than the setpoint of the economizer module.
- **Single enthalpy control, accessory for economizer:** All field-installed economizers will come standard as a dry bulb economizer. This kit adds an outdoor air enthalpy sensor which enables economizer operation if the outdoor enthalpy is less than the setpoint of the economizer logic module.
- **Dual enthalpy control, accessory for economizer:** All field-installed economizers will come standard as a dry bulb economizer. This kit adds an outdoor air enthalpy sensor and return air enthalpy sensor which enables economizer operation if the outdoor enthalpy is less than the setpoint of the economizer logic module.
- **Power exhaust:** This accessory installs in the unit with a down flow economizer or in the ductwork for a horizontal application.
- **Refrigerant Detection System (RDS):** Integrated sensors providing R-454B leak detection. RDS is connected into unit controls and automatically start a sequence to dilute refrigerant gas as well as alarm upon sensing the presence of refrigerant in the cabinet, indicating a leak equal to 25% of the lower flammability limit. The RDS contains factory or field installed sensors that are located to ensure accurate and timely sensing of a leak.
- **Louvered hail guard:** This kit includes a decorative louvered panel which installs over the outside condenser coil and prevents damage to the coil fins from hail strikes.
- **Roof curbs:** The roof curbs have insulated decks and are shipped disassembled The roof curbs are available in 14 in. and 24 in. heights.
- **Thermostat:** The units are designed to operate with 24V electronic and electro-mechanical thermostats.
- **Smoke detectors:** The smoke detectors stop operation of the unit by interrupting power and providing a fault message to the control board if smoke is detected within the air compartment. Smoke detectors are available for both the supply and/or return air configurations.
- **Hinged filter access panel for use with horizontal flow economizer:** Allows hinged access to the filter section when used with a horizontal economizer.
- **Low ambient head pressure control kit:** The Electronic Low Ambient Controller is designed to regulate condenser head pressure at low ambient temperatures by varying the amount of airflow through the condenser.
- **Manual outdoor air damper:** Like the motorized outdoor air damper, each manual outdoor air damper includes a slide-in damper assembly with an outdoor air hood and filters. Customers have a choice of dampers with ranges of 0% to 100% or 0% to 35% outdoor air entry.
- **Through the base connection:** Kits are available to provide a way to route wiring to the unit through the base of the unit and through the base or through the curb. These kits provide a seal tight way to bring power to the unit without additional roof penetrations.

- **Electric heat (field-installed option only):** Select heater sizes for 3 ton to 10 ton units available. Necessary hardware and connectors are included with the heaters.

Nomenclature

3 to 10 Ton Model Number Nomenclature



Accessories

Table 1: WYE04 to 08, WQE04 to 06, and WXEA7 to 12 accessories

Accessory kit number	Description	Where used	Voltage
2EE04711424	Econ, DB, Vertical Flow, Small Footprint	WYE04, WYE05, WYE06, WYE08, WQE04, WQE05, WQE06, WXEA7	All
2EE04711524	Econ, DB, Vertical Flow, Large Footprint	WXE08, WXE09, WXE12	All
2EE04707024	Econ, DB, Horizontal Flow, Small Footprint, Short Cabinet	WYE04, WQE04,	All
2EE04707124	Econ, DB, Horizontal Flow, Small Footprint, Tall Cabinet	WYE05, WYE06, WQE05, WQE06, WXE12	All
2EE04707224	Econ, DB, Horizontal Flow, Large Footprint, Short Cabinet	WYEA7	All
2EE04707324	Econ, DB, Horizontal Flow, Large Footprint, Tall Cabinet	WYEA7, WYE08, WXE08, WXE09, WXE12	All
1FA0415	Manual Outside Air Damper 0-35%	WYE04, WYE05, WYE06, WQE04, WQE05, WQE06, WXEA7	All
1FA0416	Manual Outside Air Damper 0-35%	WYEA7, WYE08, WXE08, WXE09, WXE12	All
1FA0417	Manual Outside Air Damper 0-100%	WYE04, WYE05, WYE06, WQE04, WQE05, WQE06, WXEA7	All
1FA0418	Manual Outside Air Damper 0-100%	WYEA7, WYE08, WXE08, WXE09, WXE12	All
2MD04704224	Motorized Outside Air Damper 0-100%	WYE04, WYE05, WYE06, WQE04, WQE05, WQE06, WXEA7	All
2MD04704324	Motorized Outside Air Damper 0-100%	WYEA7, WYE08, WXE08, WXE09, WXE12	All
2EC0401	Kit, Single Enthalpy Field-installed	All	All
2EC0402	Kit, Dual Enthalpy Field-installed	All	All
1HD0401	Hinged Filter Access Panel For Units With A Horizontal Economizer	WYE04, WQE04	All
1HD0402	Hinged Filter Access Panel For Units With A Horizontal Economizer	WYE05, WYE06, WQE05, WQE06, WXEA7	All
1HD0403	Hinged Filter Access Panel For Units With A Horizontal Economizer	WYEA7	All
1HD0404	Hinged Filter Access Panel For Units With A Horizontal Economizer	WYE08, WXE08, WXE09, WXE12	All
1HG0419	Hail Guard Kit Small Footprint, Short Cabinet	WYE04, WQE04	All
1HG0420	Hail Guard Kit Small Footprint, Tall Cabinet	WYE05, WYE06, WQE05, WQE06, WXEA7	All
1RC0456	Curb Rigid 14 in. Small Footprint	WYE04, WYE05, WYE06, WQE04, WQE05, WQE06, WXEA7	All
1RC0457	Curb Rigid 14 in. Large Footprint	WYEA7, WYE08, WXE08, WXE09, WXE12	All
1RC0458	Curb Rigid 24 in. Small Footprint	WYE04, WYE05, WYE06, WQE04, WQE05, WQE06, WXEA7	All
1RC0459	Curb Rigid 24 in. Large Footprint	WYEA7, WYE08, WXE08, WXE09, WXE12	All
2PE04704206	Power Exhaust Vert Flow Small Footprint 208V-230V 1-ph	WYE04, WYE05, WYE06, WQE04, WQE05, WQE06, WXEA7	208/230-1-60
2PE04704225	Power Exhaust Vert Flow Small Footprint 208V-230V 3-ph	WYE04, WYE05, WYE06, WQE04, WQE05, WQE06, WXEA7	208/230-3-60
2PE04704246	Power Exhaust Vert Flow Small Footprint 460V 3-ph	WYE04, WYE05, WYE06, WQE04, WQE05, WQE06, WXEA7	460-3-60
2PE04704258	Power Exhaust Vert Flow Small Footprint 575V 3-ph	WYE04, WYE05, WYE06, WQE04, WQE05, WQE06, WXEA7	575-3-60
2PE04704325	Power Exhaust Vert Flow Large Footprint 208V-230V 3-ph	WYEA7, WYE08, WXE08, WXE09, WXE12	208/230-3-60
2PE04704346	Power Exhaust Vert Flow Large Footprint 460V 3-ph	WYEA7, WYE08, WXE08, WXE09, WXE12	460-3-60
2PE04704358	Power Exhaust Vert Flow Large Footprint 575V 3-ph	WYEA7, WYE08, WXE08, WXE09, WXE12	575-3-60
2PE04704406	Power Exhaust Horiz Flow Small Footprint 208V-230V 1-ph	WYE04, WYE05, WYE06, WQE04, WQE05, WQE06, WXEA7	208/230-1-60
2PE04704425	Power Exhaust Horiz Flow Small Footprint 208V-230V 3-ph	WYE04, WYE05, WYE06, WQE04, WQE05, WQE06, WXEA7	208/230-3-60
2PE04704446	Power Exhaust Horiz Flow Small Footprint 460V 3-ph	WYE04, WYE05, WYE06, WQE04, WQE05, WQE06, WXEA7	460-3-60
2PE04704458	Power Exhaust Horiz Flow Small Footprint 575V 3-ph	WYE04, WYE05, WYE06, WQE04, WQE05, WQE06, WXEA7	575-3-60
2PE04704525	Power Exhaust Horiz Flow Large Footprint 208V-230V 3-ph	WYEA7, WYE08, WXE08, WXE09, WXE12	208/230-3-60
2PE04704546	Power Exhaust Horiz Flow Large Footprint 460V 3-ph	WYEA7, WYE08, WXE08, WXE09, WXE12	460-3-60
2PE04704558	Power Exhaust Horiz Flow Large Footprint 575V 3-ph	WYEA7, WYE08, WXE08, WXE09, WXE12	575-3-60
2EK04510625	6.5 kW Electric Heat, Small Footprint	WYE04, WYE05, WYE06, WQE04, WQE05, WQE06, WXEA7	208/230-3-60
2EK04510646	6.0 kW Electric Heat, Small Footprint	WYE04, WYE05, WYE06, WQE04, WQE05, WQE06, WXEA7	460-3-60
2EK04511058	9.2 kW Electric Heat , Small Footprint	WYE04, WYE05, WQE04, WQE05	575-3-60
2EK04511125	10.5 kW Electric Heat, Small Footprint	WYE04, WYE05, WYE06, WQE04, WQE05, WQE06, WXEA7	208/230-(1 or 3)-60
2EK04511625	16 kW Electric Heat, Small Footprint	WYE04, WYE05, WYE06, WQE04, WQE05, WQE06, WXEA7	208/230-3-60
2EK04511146	11.5 kW Electric Heat, Small Footprint	WYE04, WYE05, WYE06, WQE04, WQE05, WQE06, WXEA7	460-3-60
2EK04511458	13.8 kW Electric Heat, Small Footprint	WYE04, WYE05, WYE06, WQE04, WQE05, WQE06, WXEA7	575-3-60
2EK04511446	14 kW Electric Heat, Small Footprint	WYE04, WYE05, WYE06, WQE04, WQE05, WQE06, WXEA7	460-3-60
2EK04512358	23 kW Electric Heat, Small Footprint	WYE06, WQE06, WXEA7	575-3-60
2EK04510725	6.0 kW Electric Heat, Large Footprint	WYEA7	208/230-3-60
2EK04510746	6.0 kW Electric Heat, Large footprint	WYEA7	460-3-60
2EK04511725	16 kW Electric Heat, Large Footprint	WYEA7, WYE08, WXE08, WXE09, WXE12	208/230-3-60
2EK04511746	16.5 kW Electric Heat, Large Footprint	WYEA7, WYE08, WXE08, WXE09, WXE12	460-3-60
2EK04511758	17 kW Electric Heat, Large Footprint	WYEA7, WYE08, WXE08, WXE09, WXE12	575-3-60
2EK04512525	24.8 kW Electric Heat, Large Footprint	WYEA7, WYE08, WXE08, WXE09, WXE12	208/230-3-60
2EK04512646	25.5 kW Electric Heat, Large Footprint	WYEA7	460-3-60
2EK04512658	25.7 kW Electric Heat, Large Footprint	WYEA7	575-3-60
2EK04512846	27.8 kW Electric Heat, Large Footprint	WYEA7, WYE08,WXE08, WXE09, WXE12	460-3-60
2EK04513225	32 kW Electric Heat, Large Footprint	WYEA7, WYE08,WXE08, WXE09, WXE12	208/230-3-60
2EK04513346	33 kW Electric Heat, Large Footprint	WYEA7, WYE08. WXE08, WXE09, WXE12	460-3-60
2EK04513458	34 kW Electric Heat, Large Footprint	WYE08, WYEA7, WXE08, WXE09, WXE12	575-3-60
2EK04514225	42.4 kW Electric Heat, Large Footprint	WYEA7, WYE08, WXE08, WXE09, WXE12	208/230-3-60
2EK04514246	41.7 kW Electric Heat, Large Footprint	WYEA7. WYE08, WXE08, WXE09, WXE12	460-3-60

Table 1: WYE04 to 08, WQE04 to 06, and WXEA7 to 12 accessories

Accessory kit number	Description	Where used	Voltage
2DS0402	Refrigerant Detection System (RDS)	All	All
2SD04701224	Supply Air Stream Smoke Detector	WYE04, WYE05, WYE06, WYEA7, WYE08, WXE12, WQE04, WQE05, WQE06	All
2SD04701124	Return Air Stream Smoke Detector	WYE04, WYE05, WYE06, WQE04, WQE05, WQE06, WXEA7	All
2SD04701424	Return Air Stream Smoke Detector	WYEA7, WYE08, WXE08, WXE09, WXE12	All
2SD04701324	Combination Supply and Return Air Stream Smoke Detector	WYE04, WYE05, WYE06, WQE04, WQE05, WQE06, WXEA7	All
2SD04701624	Combination Supply and Return Air Stream Smoke Detector	WYEA7, WYE08. WXE08, WXE09, WXE12	All
1TB0403	Small Footprint through The Base Electrical	WYE04, WYE05, WYE06, WQE04, WQE05, WQE06, WXEA7	All
1TB0404	Large Footprint through The Base Electrical and Gas	WYEA7, WYE08, WX0E8, WXE09, XXE12	All
1BD0409	Burglar Bar Kit	WYE04, WYE05, WYE06, WQE04, WQE05, WQE06, WXEA7	All
1BD0410	Burglar Bar Kit	WXE08, WXE09, WXE12, WYEA7, WYE08	All

AHRI data

AHRI cooling rating table

Unit	Cooling stages	Nominal cooling capacity (ton)	Net cooling capacity (MBH)	17f heating capacity (MBH)	47f high heating capacity (MBH)	Total power (kW)	SEER2	HSPF2	EER	EER2	IEER IntelliSpeed
WYE04	1	3.0	36.0	20.0	35.0	2.9	14.5	7.1	—	12.2	—
WYE05	1	4.0	48.0	26.0	46.0	3.9	14.4	7.3	—	12.2	—
WYE06	1	5.0	59.0	30.0	56.0	4.9	14.3	6.9	—	12.0	—
WYEA7	2	6.0	72.0	38.0	67.0	5.9	—	—	12.0	—	17.0
WYE08	2	7.5	90.0	49.0	85.0	7.4	—	—	12.1	—	16.0
WXEA7	2	6.0	68.0	38.0	65.0	6.2	—	—	11.0	—	15.0
WXE08	2	7.5	94.0	49.0	85.0	8.3	—	—	11.5	—	15.4
WXE09	2	8.5	102.0	56.0	98.0	8.7	—	—	11.8	—	15.4
WXE12	2	10.0	116.0	65.0	113.0	10.3	—	—	11.2	—	14.4
WQE04	1	3.0	35.6	19.5	34.5	2.9	14.0	6.7	—	12.2	—
WQE05	1	4.0	48.0	24.6	45.6	3.9	14.0	6.7	—	12.2	—
WQE06	1	5.0	57.0	29.0	53.0	4.8	14.0	6.7	—	11.8	—

AHRI 270 outdoor sound power levels

Unit (ton)	Sound rating[1] (dB-A)	Octave bands (Hz)							
		63	125	250	500	1000	2000	4000	8000
WYE04 (3)	79.0	81.5	84.5	76.5	75.0	74.0	69.5	65.5	61.0
WYE05 (4)	79.0	82.0	85.0	77.5	75.5	74.0	70.0	66.5	62.0
WYE06 (5)	80.0	83.0	85.0	77.0	75.5	75.0	70.0	66.0	62.0
WYEA7 (6)	83.0	85.0	86.0	81.0	80.0	78.0	73.0	70.0	65.0
WYE08 (7.5)	88.9	93.5	82.5	83.0	84.5	85.5	81.5	75.5	70.0
WQE04 (03)	78.4	79.5	80.5	79.0	75.5	73.5	68.5	64.5	61.5
WQE05 (04)	78.4	79.5	80.5	79	75.5	73.5	68.5	64.5	61.5
WQE06 (05)	77.8	83.5	83.5	76.0	74.0	73.0	68.5	66.5	60.0
WXEA7 (6)	77.5	85.0	83.5	78.0	74.0	72.5	67.5	64.5	60.5
WXE08 (7.5)	83.2	86.5	85.5	81.0	80.0	79.0	74.5	70.5	66.0
WXE09 (8.5)	87.6	87.5	85.0	82.5	81.5	80.0	80.5	74.0	67.5
WXE12 (10)	86.0	97.0	87.5	85.0	83.5	81.5	78.0	75.0	71.0

Note:
1. Rated in accordance with AHRI 270 standard.

Physical data

WYE physical data

Table 2: WYE04 to 08

Component	Models				
	WYE04	WYE05	WYE06	WYEA7	WYE08
Nominal tonnage	**3**	**4**	**5**	**6**	**7.5**
AHRI cooling performance					
Gross Capacity @ AHRI A point (Btu)	37,000	49,600	61,000	75,500	93,000
AHRI net capacity (MBH)	36,000	48,000	59,000	72,000	90,000
EER2	12.2	12.2	12.0	12.0	12.1
SEER2	14.5	14.4	14.3	—	—
IEER IntelliSpeed	—	—	—	17.0	16.0
CFM	1,250	1,490	1,650	2,300	2,850
System power (kW)	2.9	3.9	4.9	6.0	7.5
Refrigerant type	R-454B	R-454B	R-454B	R-454B	R-454B
Refrigerant charge (lb-oz)					
System 1	9.8	12.2	15.0	19.25	13.13
System 2	—	—	—	—	14.25
ARI heating performance					
47°F capacity rating (MBH)	35,000	46,000	56,000	67,000	85,000
System power (kW) /COP(2)	2.9/3.5	3.8/3.5	4.5/3.6	5.9 / 3.4	7.2 / 3.5
17°F capacity rating (MBH)	20,000	26,000	30,000	38,000	49,000
System power (kW) / COP(2)	2.6/2.2	3.3/2.25	4.1/2.2	5.3/2.4	6.2/2.35
HSPF2 (Btu/Watts-hr)	7.1	7.3	6.9	—	—
Dimensions (in.)					
Length	74.1	74.1	74.1	87.2	87.2
Width	48.9	48.9	48.9	61.7	61.7
Height	32.5	40.6	40.6	40.6	55.3
Operating weight (lb)	535	614	653	895	1,060
Compressor					
Type	Scroll	Scroll	Scroll	2-stage scroll	Scroll
Quantity	1	1	1	1	2
Unit Capacity Steps (%)	-	-	-	67/100	50/100
Outdoor coil data					
Face area (sq ft)	15.1	19.4	19.4	21.0	25.6
Rows	2	2	2	3	3
Fins per in.	17	17	17	13	17
Tube diameter	0.375	0.375	0.375	0.375	0.375
Circuitry Type	Split-face	Split-face	Split-face	Intertwined	Intertwined
Refrigerant control	TXV	TXV	TXV	TXV	TXV
Indoor coil data					
Face area (sq ft)	5.5	7.3	7.3	8.9	11.1
Rows	3	3	4	4	4
Fins per in.	15	15	15	15	15
Tube diameter	0.375	0.375	0.375	0.375	0.375
Circuitry Type	Intertwined	Intertwined	Intertwined	Intertwined	Intertwined
Refrigerant control	TXV	TXV	TXV	TXV	TXV
Outdoor fan data					
Quantity	1	1	1	2	1
Fan diameter (in.)	22	22	22	22	30
Type	Prop	Prop	Prop	Prop	Prop
Drive type	Direct drive	Direct drive	Direct drive	Direct drive	Direct drive
No. speeds	1	1	1	2	1
Number of motors	1	1	1	2	1
Motor HP each	1/2	1/2	1/2	1/2	1 1/2
RPM	1100	1100	1100	850 / 1100	1140
Total CFM	3600	4000	4300	5800 / 7600	9700
Belt drive indoor fan data					
Airflow option	**B** / **C**	**B** / **C**	**B** / **C**	**A** / **B** / **C**	**A** / **B** / **C**
Quantity	1	1	1	1	1
Fan diameter (in.)	10 x 10	10 x 10	11 x 10	15 x 15	15 x 15
Type	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal

Table 2: WYE04 to 08

Component	Models											
	WYE04		WYE05		WYE06		WYEA7			WYE08		
Nominal tonnage	**3**		**4**		**5**		**6**			**7.5**		
Motor sheave	1VL34	1VL44	1VL34	1VL44	1VL34	1VL44	1VL34	1VL44	1VP50	1VL34	1VL44	1VP50
Blower sheave	AK46	AK46	AK46	AK46	AK46	AK46	AK74	AK74	AK74	AK74	AK74	AK74
Belt	A39	A40	A39	A40	A37	A39	A47	A48	A48	A47	A48	A50
Motor Max HP, single-phase	1.5	—	1.5	—	1.5	—		—			—	
Motor Max BHP, three-phase	2.4	2.4	2.4	2.4	2.4	2.9	2.4	2.9	3.7	2.4	2.4	3.7
RPM	1725		1725		1750		1725	1725	1725	1725	1725	1725
Frame size	56Y		56Y		56HZ		56Y	56Y	56HZ	56Y	56Y	56HZ
Direct drive indoor fan data												
Air flow option	A		A		A			—			—	
Quantity	1		1		1			—			—	
Fan size (in.)	10 x 10		10 x 10		11 x 10			—			—	
Type	Centrifugal		Centrifugal		Centrifugal			—			—	
Motor HP each	3/4		1		1			—			—	
RPM	1050		1050		1050			—			—	
Filters												
Quantity - size	2 - (16 x 25 x 2)		4 - (16 x 16 x 2)[1]		4 - (16 x 16 x 2)[1]		4 - (16 x 20 x 2)[1]			4 - (20 x 20 x 2)[1]		

Note:

1. 2 in. Throwaway, Standard, MERV 4 (Minimum Efficiency Reporting Value)

WQE physical data

Table 3: WQE04 to 06

Component	Models					
	WQE04		WQE05		WQE06	
Nominal tonnage	**3**		**4**		**5**	
AHRI cooling performance						
Gross capacity @ AHRI A point (Btu)	36,500		49,500		58,500	
AHRI net capacity (MBH)	35,600		48,000		57,000	
EER2	12.2		12.2		11.8	
SEER2	14.0		14.0		14.0	
CFM	1,240		1,550		1,550	
System power (kW)	2.9		3.9		4.8	
Refrigerant type	R-454B		R-454B		R-454B	
Refrigerant charge (lb-oz)						
System 1	9-2		11-14		12-4	
System 2	—		—		—	
ARI heating performance						
47ºF capacity rating (MBH)	34,500		45,600		53,000	
System power (kW) / COP2	2.9 / 3.5		3.8 / 3.5		4.4 / 3.5	
17ºF capacity rating (MBH)	19,500		24,600		29,000	
System power (kW) / COP2	2.7 / 2.1		3.4 / 2.15		3.9 / 2.15	
HSPF2 (Btu/Watts-hr)	6.7		6.7		6.7	
Dimensions (in.)						
Length	74.1		74.1		74.1	
Width	48.9		48.9		48.9	
Height	32.5		40.6		40.6	
Operating weight (lb)	529		554		627	
Compressors						
Type	Scroll		Scroll		Scroll	
Quantity	1		1		1	
Outdoor coil data						
Face area (sq ft)	15.1		19.4		19.4	
Rows	2		2		2	
Fins per in.	17		17		17	
Tube diameter	0.375		0.375		0.375	
Circuitry type	Split-face		Split-face		Split-face	
Refrigerant control	TXV		TXV		TXV	
Indoor coil data						
Face area (sq ft)	5.5		7.3		7.3	
Rows	4		3		4	
Fins per in.	15		15		15	
Tube diameter	0.375		0.375		0.375	
Circuitry type	Intertwined		Intertwined		Intertwined	
Refrigerant control	TXV		TXV		TXV	
Outdoor fan data						
Quantity	1		1		1	
Fan diameter (in.)	22		22		22	
Type	Prop		Prop		Prop	
Drive type	Direct drive		Direct drive		Direct drive	
No. speeds	1		1		1	
Number of motors	1		1		1	
Motor HP each	1/2		1/2		1/2	
RPM	1100		1085		1100	
Total CFM	3600		4000		4300	
Belt drive indoor fan data						
Quantity	1		1		1	
Fan diameter (in.)	10 x 10		10 x 10		11 x 10	
Type	Centrifugal		Centrifugal		Centrifugal	
Motor sheave	1VL34	1VL44	1VL34	1VL44	1VL34	1VL44
Blower sheave	AK46	AK46	AK46	AK46	AK46	AK46
Belt	A39	A40	A39	A40	A37	A39
Motor HP each, single-phase	1.5	—	1.5	—	1.5	—
Motor HP each, three-phase	2.4	2.4	2.4	2.4	2.4	2.9
RPM	1725		1725		1750	
Frame size	56Y		56Y		56HZ	

Table 3: WQE04 to 06

Component	Models		
	WQE04	WQE05	WQE06
Nominal tonnage	**3**	**4**	**5**
Direct drive indoor fan data			
Quantity	1	1	1
Fan size (in.)	10 x 10	10 x 10	11 x 10
Type	Centrifugal	Centrifugal	Centrifugal
Motor HP each	3/4	1	1
RPM	1050	1050	1050
Filters			
Quantity - size	2 - (16 x 25 x 2)[1]	4 - (16 x 16 x 2)[1]	4 - (16 x 16 x 2)[1]

Note:

1. 2 in. Throwaway, Standard, MERV 4 (Minimum Efficiency Reporting Value)

WXE physical data

Table 4: WXEA7 to WXE12

Component	Models											
	WXEA7			WXE08			WXE09			WXE12		
Nominal Tonnage	**6**			**7.5**			**8.5**			**10**		
AHRI cooling performance												
Gross Capacity @ AHRI A point (Btu)	70,000			99,000			105,000			120,000		
AHRI net capacity (MBH)	68,000			94,000			102,000			116,000		
EER	11.0			11.5			11.8			11.2		
IEER IntelliSpeed	15.0			15.4			15.4			14.4		
Nominal CFM	2,000			3,300			3,400			3,600		
System power (kW)	6.2			8.3			8.7			10.3		
Refrigerant type	R-454B			R-454B			R-454B			R-454B		
Refrigerant charge (lb-oz)												
System 1	13.00			10.625			12.00			10.875		
System 2	-			10.625			11.50			11.125		
ARI heating performance												
47°F capacity rating (MBH)	65,000			85,000			98,000			113,000		
System power (kW) / COP	5.5 / 3.5			7.2 / 3.5			8.7 / 3.4			9.7 / 3.4		
17°F capacity rating (MBH)	38,000			49,000			56,000			65,000		
System power (kW) / COP	4.9 / 2.3			6.8 / 2.25			7.7 / 2.25			8.6 / 2.25		
HSPF (Btu/Watts-hr)	—			—			—			—		
Dimensions (in.)												
Length	74.1			87.2			87.2			87.2		
Width	48.9			61.7			61.7			61.7		
Height	40.6			48.6			55.3			55.3		
Operating weight (lb)	652			976			1,040			1060		
Compressors												
Type	2-stage scroll			Scroll			Scroll			Scroll		
Quantity	1			2			2			2		
Unit capacity steps (%)	67/100			50/100			50/100			50/100		
Condenser coil data												
Face area (sq ft)	19.4			25.6			25.6			25.6		
Rows	2			2			3			3		
Fins per in.	15			17			17			17		
Tube diameter	0.375			0.375			0.375			0.375		
Circuitry type	Intertwined			Intertwined			Intertwined			Intertwined		
Refrigerant control	TXV			TXV			TXV			TXV		
Evaporator coil data												
Face area (sq ft)	7.3			11.1			11.1			11.1		
Rows	4			4			4			4		
Fins per in.	15			15			15			15		
Tube diameter	0.375			0.375			0.375			0.375		
Circuitry type	Intertwined			Intertwined			Intertwined			Intertwined		
Refrigerant control	TXV			TXV			TXV			TXV		
Condenser fan data												
Quantity of fans	1			2			1			1		
Fan diameter (in.)	22			22			30			30		
Type	Prop			Prop			Prop			Prop		
Drive type	Direct drive			Direct drive			Direct drive			Direct drive		
Number of motors	1			2			1			1		
Motor HP each	1/2			1/2			1 1/2			1 1/2		
No. speeds	1			1			1			1		
RPM	1085			1085			1140			1140		
Total CFM	4600			7600			7700			7700		
Evaporator fan data belt drive												
Airflow Option	A	B	C	A	B	C	A	B	C	A	B	C
Quantity	1			1			1			1		
Fan diameter (in.)	11 x 10			15 x 15			15 x 15			15 x 15		
Type	Centrifugal			Centrifugal			Centrifugal			Centrifugal		
Motor sheave	1VL34	1VL44	1VP50	1VL34	1VL44	1VP50	1VL34	1VL44	1VP50	1VL34	1VP50	1VP56
Blower sheave	AK51	AK51	AK51	AK74	AK74	AK74	AK74	AK74	AK74	AK79	AK79	AKBK85
Belt	A39	A40	A41	A47	A48	A50	A47	A48	A50	A50	A50	BX52
Motor Max BHP, three-phase	2.4	2.9	3.7	2.4	2.4	3.7	2.4	2.4	3.7	2.4	3.7	5.25
RPM	1725	1725	1725	1725	1725	1725	1725	1725	1725	1725	1725	1725

Table 4: WXEA7 to WXE12

Component	Models											
	WXEA7			WXE08			WXE09			WXE12		
Nominal Tonnage	6			7.5			8.5			10		
Frame size	56Y	56Y	56HZ	56Y	56Y	65HZ	56Y	56Y	65HZ	56Y	56HZ	145TY
Filters												
Quantity - Size	4 - (16 x 16 x 2)[1]			4 - (20 x 20 x 2)[1]			4 - (20 x 20 x 2)[1]			4 - (20 x 20 x 2)[1]		

Note:

1. 2 in. Throwaway, Standard, MERV 4 (Minimum Efficiency Reporting Value)

Unit limitations

Table 5: WYE04-08, WQE04-06, and WXEA7-12 unit limitations

Model	Size (ton)	Unit voltage	Unit limitations		
			Applied voltage		Outdoor DB temp
			Min	Max	Max (°F)
WYE/WQE	04 (3)	208/230-1-60	187	252	125
		208/230-3-60	187	252	125
		460-3-60	432	504	125
		575-3-60	540	630	125
WYE/WQE	05 (4)	208/230-1-60	187	252	125
		208/230-3-60	187	252	125
		460-3-60	432	504	125
		575-3-60	540	630	125
WYE/WQE	06 (5)	208/230-1-60	187	252	125
		208/230-3-60	187	252	125
		460-3-60	432	504	125
		575-3-60	540	630	125
WXE/WYE	A7 (6)	208/230-3-60	187	252	125
		460-3-60	432	504	125
		575-3-60	540	630	125
WXE/WYE	08 (7.5)	208/230-3-60	187	252	125
		460-3-60	432	504	125
		575-3-60	540	630	125
WXE	09 (8.5)	208/230-3-60	187	252	125
		460-3-60	432	504	125
		575-3-60	540	630	125
WXE	12 (10)	208/230-3-60	187	252	125
		460-3-60	432	504	125
		575-3-60	540	630	125

Capacity performance

WYE04 to 08, WQE04 to 06, and WXEA7 to 12 cooling capacities

The following tables contain the cooling capacities for WYE04 to 06, WQE04 to 06, and WXEA7 to 12.

WYE04 (3.0 ton) cooling capacities

The following tables detail the cooling capacities for WYE04 (3.0 ton).

Note:

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

Table 6: WYE04 (3.0 ton) 75°F to 85°F

Air On Evaporator Coil		Temperature of Air on Condenser Coil															
		Total Capacity (MBh)	Total Input (kW)	Sensible Capacity (MBh) Return Dry Bulb (°F)						Total Capacity (MBh)	Total Input (kW)	Sensible Capacity (MBh) Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
CFM	WB (°F)	75°F								85°F							
750	77	48.2	2.1	23.0	19.4	15.7	-	-	-	44.8	2.3	22.3	18.6	14.9	-	-	-
	72	42.5	2.1	27.7	23.7	19.6	15.6	-	-	40.0	2.3	26.9	22.8	18.7	14.7	-	-
	67	36.9	2.0	32.4	28.0	23.5	19.6	15.7	-	35.2	2.3	33.2	27.0	22.6	18.6	14.6	-
	62	35.4	2.0	35.4	31.6	27.4	23.0	19.8	16.0	33.6	2.3	33.6	30.3	26.4	22.1	18.5	14.6
900	77	47.9	2.1	25.6	20.9	16.1	-	-	-	44.9	2.3	24.9	20.0	15.2	-	-	-
	72	43.6	2.1	30.3	25.6	20.8	16.1	-	-	41.0	2.3	29.3	24.6	19.9	15.1	-	-
	67	39.3	2.0	35.0	30.3	25.6	20.9	16.2	-	37.0	2.3	33.8	29.2	24.5	19.8	15.1	-
	62	37.4	2.0	35.3	33.9	30.3	25.1	21.0	16.4	35.5	2.3	33.9	32.6	29.2	24.2	19.8	15.1
	57	35.4	2.0	35.4	35.4	35.0	30.4	25.8	21.2	33.9	2.3	33.9	33.9	33.8	29.2	24.5	19.8
1050	77	47.6	2.1	28.2	22.4	16.5	-	-	-	44.9	2.3	27.4	21.4	15.5	-	-	-
	72	44.7	2.0	32.9	27.5	22.0	16.6	-	-	41.9	2.3	31.8	26.4	21.0	15.5	-	-
	67	41.8	2.0	36.8	32.6	27.6	22.1	16.7	-	38.9	2.3	35.4	31.3	26.5	21.0	15.6	-
	62	39.4	2.0	36.9	36.3	33.1	27.3	22.2	16.7	37.4	2.3	35.6	34.8	32.0	26.3	21.0	15.6
	57	37.0	2.0	37.0	37.0	36.8	33.2	27.7	22.2	35.8	2.3	35.8	35.8	35.8	32.0	26.5	21.0
1200	77	47.3	2.1	30.9	23.9	16.9	-	-	-	45.0	2.3	30.0	22.9	15.7	-	-	-
	72	45.8	2.0	35.5	29.4	23.2	17.1	-	-	42.9	2.3	34.3	28.2	22.1	16.0	-	-
	67	44.2	2.0	38.3	34.9	29.6	23.4	17.2	-	40.7	2.3	37.5	33.5	28.4	22.3	16.1	-
	62	41.4	2.0	38.4	38.4	36.0	29.4	23.4	17.1	39.2	2.3	37.6	37.1	34.8	28.4	22.3	16.0
	57	38.5	2.0	38.5	38.5	38.5	36.0	29.6	23.2	37.7	2.3	37.7	37.7	37.7	34.8	28.5	22.2
1350	72	46.8	2.0	38.1	31.3	24.4	17.6	-	-	43.8	2.3	36.7	29.9	23.2	16.4	-	-
	67	46.7	2.0	39.9	37.2	31.7	24.7	17.7	-	42.6	2.3	39.3	35.6	30.4	23.5	16.6	-
	62	43.4	2.0	40.0	40.0	38.9	31.6	24.6	17.4	41.1	2.3	39.5	39.3	37.6	30.5	23.5	16.5
	57	40.1	2.0	40.1	40.1	40.1	38.8	31.5	24.1	39.6	2.3	39.6	39.6	39.6	37.6	30.5	23.3
1500	72	47.9	2.0	40.7	33.2	25.6	18.1	-	-	44.7	2.3	39.2	31.7	24.3	16.8	-	-
	67	49.2	2.0	41.0	39.5	33.7	25.9	18.2	-	44.5	2.3	41.0	37.8	32.3	24.7	17.1	-
	62	45.4	2.0	41.4	41.4	41.4	33.7	25.8	17.8	43.0	2.3	41.3	41.3	40.3	32.6	24.8	17.0
	57	41.7	2.0	41.7	41.7	41.7	41.6	33.3	25.1	41.5	2.3	41.5	41.5	41.5	40.4	32.5	24.5

Table 7: WYE04 (3.0 ton) 95°F to 125°F

Air On Evaporator Coil		Temperature of Air on Condenser Coil															
		Total Capacity (MBh)	Total Input (kW)	Sensible Capacity (MBh) Return Dry Bulb (°F)						Total Capacity (MBh)	Total Input (kW)	Sensible Capacity (MBh) Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
CFM	WB (°F)	95°F								105°F							
750	77	41.5	2.6	21.5	17.8	14.1	-	-	-	38.5	3.0	20.3	16.6	13.0	-	-	-
	72	37.5	2.6	26.1	22.0	17.9	13.8	-	-	34.8	3.0	25.0	20.8	16.7	12.5	-	-
	67	33.5	2.6	30.6	26.1	21.6	17.5	13.4	-	31.0	3.0	29.6	25.0	20.4	16.3	12.2	-
	62	31.8	2.6	31.8	29.1	25.4	21.3	17.2	13.1	30.1	2.9	30.1	27.6	24.1	20.0	16.0	11.9
900	77	41.9	2.6	24.1	19.2	14.3	-	-	-	38.8	3.0	23.0	17.9	12.9	-	-	-
	72	38.3	2.6	28.4	23.6	18.9	14.1	-	-	35.5	3.0	27.1	22.4	17.6	12.8	-	-
	67	34.8	2.6	32.1	28.1	23.5	18.7	14.0	-	32.2	3.0	31.0	26.8	22.2	17.4	12.6	-
	62	33.6	2.6	32.3	31.3	28.1	23.3	18.5	13.8	31.7	2.9	31.1	29.6	26.8	22.0	17.2	12.4
	57	32.4	2.5	32.4	32.4	32.4	27.9	23.1	18.3	31.1	2.9	31.1	31.1	31.1	26.7	21.9	17.1
1050	77	42.3	2.6	26.6	20.5	14.4	-	-	-	39.1	3.0	25.6	19.3	12.9	-	-	-
	72	39.1	2.6	30.7	25.3	19.9	14.5	-	-	36.3	3.0	29.3	23.9	18.5	13.1	-	-
	67	36.0	2.6	34.3	30.1	25.4	19.9	14.5	-	33.5	2.9	32.9	28.5	24.0	18.5	13.1	-
	62	35.3	2.6	34.5	33.4	30.8	25.3	19.9	14.4	33.2	2.9	33.0	31.7	29.6	24.0	18.5	12.9
	57	34.7	2.5	34.7	34.7	34.7	30.8	25.3	19.7	33.0	2.9	33.0	33.0	33.0	29.5	23.9	18.3
1200	77	42.7	2.6	29.2	21.9	14.6	-	-	-	39.3	2.9	28.2	20.6	12.9	-	-	-
	72	39.9	2.6	33.0	27.0	20.9	14.8	-	-	37.0	2.9	31.5	25.4	19.4	13.3	-	-
	67	37.2	2.6	36.9	32.1	27.2	21.1	15.0	-	35.1	2.9	34.8	30.3	25.8	19.7	13.5	-
	62	37.1	2.6	36.9	35.5	33.5	27.4	21.2	15.0	35.0	2.9	34.9	33.7	32.3	26.0	19.7	13.4
	57	36.9	2.5	36.9	36.9	36.9	33.6	27.4	21.1	34.9	2.9	34.9	34.9	34.9	32.4	26.0	19.6
1350	72	40.8	2.6	35.4	28.6	21.9	15.2	-	-	37.8	2.9	33.7	27.0	20.3	13.6	-	-
	67	39.5	2.6	39.0	34.0	29.1	22.3	15.5	-	37.4	2.9	36.1	32.1	27.7	20.8	13.9	-
	62	39.4	2.6	39.0	37.6	36.2	29.4	22.5	15.6	37.0	2.9	36.2	35.7	35.1	28.0	21.0	13.9
	57	39.2	2.6	39.0	39.0	39.0	36.5	29.5	22.6	36.8	2.9	36.3	36.3	36.3	35.2	28.0	20.8
1500	72	41.6	2.6	37.7	30.3	22.9	15.6	-	-	38.5	2.9	35.8	28.5	21.2	13.9	-	-
	67	39.7	2.6	39.4	36.0	31.0	23.5	16.0	-	38.4	2.9	37.1	33.9	29.5	21.9	14.4	-
	62	39.5	2.6	39.4	39.4	39.0	31.4	23.8	16.2	38.4	2.9	37.2	37.2	37.2	30.0	22.2	14.4
	57	39.4	2.6	39.4	39.4	39.4	39.3	31.6	24.0	38.4	2.9	37.3	37.3	37.3	37.3	30.1	22.1
		115°F								125°F							
750	77	35.5	3.4	19.1	15.5	11.8	-	-	-	32.6	3.7	17.9	14.3	10.7	-	-	-
	72	32.0	3.3	23.9	19.7	15.5	11.3	-	-	29.3	3.7	22.8	18.5	14.3	10.0	-	-
	67	28.5	3.3	28.2	23.9	19.1	15.0	10.9	-	28.0	3.7	26.0	22.8	17.9	13.8	9.7	-
	62	28.4	3.3	28.4	26.0	22.8	18.8	14.8	10.7	26.6	3.7	26.6	24.5	21.5	17.5	13.5	9.5
900	77	35.7	3.3	21.8	16.7	11.6	-	-	-	32.6	3.7	20.7	15.5	10.3	-	-	-
	72	32.7	3.3	25.9	21.1	16.3	11.5	-	-	29.9	3.7	24.7	19.8	15.0	10.1	-	-
	67	29.8	3.3	29.8	25.4	20.9	16.1	11.3	-	29.4	3.7	28.0	24.1	19.6	14.8	10.0	-
	62	29.8	3.3	29.8	28.0	25.6	20.8	15.9	11.1	29.1	3.7	28.1	26.3	24.3	19.5	14.6	9.8
	57	29.8	3.3	29.8	29.8	29.8	25.4	20.6	15.8	28.5	3.7	28.2	28.2	28.2	24.1	19.3	14.5
1050	77	35.9	3.3	24.5	18.0	11.4	-	-	-	32.7	3.7	23.5	16.7	9.9	-	-	-
	72	33.4	3.3	27.9	22.5	17.1	11.6	-	-	30.6	3.7	26.5	21.1	15.6	10.2	-	-
	67	31.5	3.3	31.3	27.0	22.7	17.2	11.7	-	30.5	3.7	29.0	25.5	21.4	15.8	10.2	-
	62	31.5	3.3	31.3	29.9	28.3	22.7	17.1	11.5	30.1	3.7	29.1	28.2	27.1	21.4	15.7	10.1
	57	31.4	3.3	31.4	31.4	31.4	28.3	22.6	16.9	29.7	3.7	29.1	29.1	29.1	27.0	21.2	15.4
1200	77	36.0	3.3	27.2	19.2	11.2	-	-	-	32.7	3.7	26.3	17.9	9.5	-	-	-
	72	34.1	3.3	30.0	23.9	17.9	11.8	-	-	31.2	3.7	28.4	22.4	16.3	10.3	-	-
	67	33.1	3.3	32.7	28.6	24.5	18.2	12.0	-	31.0	3.7	30.0	26.8	23.1	16.8	10.5	-
	62	33.0	3.3	32.7	31.9	31.1	24.7	18.3	11.9	31.0	3.7	30.0	30.0	29.9	23.4	16.8	10.3
	57	32.9	3.3	32.7	32.7	32.7	31.1	24.6	18.0	30.9	3.7	30.0	30.0	30.0	29.9	23.1	16.4
1350	72	36.1	3.3	32.0	25.3	18.6	12.0	-	-	32.9	3.7	30.3	23.6	17.0	10.4	-	-
	67	34.7	3.3	33.4	30.1	26.2	19.3	12.4	-	31.5	3.7	30.9	28.2	24.8	17.8	10.8	-
	62	34.6	3.3	33.5	33.5	33.5	26.7	19.5	12.3	31.4	3.7	30.9	30.9	30.9	25.3	17.9	10.6
	57	34.5	3.3	33.6	33.6	33.6	33.6	26.5	19.1	31.0	3.7	30.9	30.9	30.9	30.9	25.1	17.3
1500	72	36.2	3.3	34.0	26.7	19.4	12.1	-	-	33.0	3.7	32.2	24.9	17.7	10.4	-	-
	67	35.5	3.3	34.1	31.7	28.0	20.4	12.8	-	33.0	3.7	31.9	29.5	26.6	18.8	11.1	-
	62	35.3	3.3	34.3	34.3	34.3	28.6	20.6	12.7	33.0	3.7	31.9	31.9	31.9	27.2	19.0	10.9
	57	35.2	3.3	34.6	34.6	34.6	34.6	28.5	20.2	33.0	3.6	31.9	31.9	31.9	31.9	27.0	18.3

WYE05 (4 ton) cooling capacities

The following tables detail the cooling capacities for WYE05 (4 ton).

Note:

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

Table 8: WYE05 (4 ton) 75°F to 85°F

Air On Evaporator Coil		Temperature of Air on Condenser Coil															
		Total Capacity (MBh)	Total Input (kW)	Sensible Capacity (MBh) Return Dry Bulb (°F)						Total Capacity (MBh)	Total Input (kW)	Sensible Capacity (MBh) Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
CFM	WB (°F)	75°F								85°F							
1000	77	64.9	2.7	32.9	28.1	23.3	-	-	-	61.3	3.2	31.2	26.4	21.6	-	-	-
	72	58.9	2.7	38.6	33.3	28.0	22.7	-	-	55.6	3.1	37.0	31.7	26.5	21.2	-	-
	67	52.9	2.7	44.3	38.5	32.7	27.6	22.4	-	49.8	3.1	42.8	37.1	31.3	26.2	20.9	-
	62	47.5	2.7	47.5	43.7	37.4	32.1	27.4	22.4	44.8	3.0	44.8	42.5	36.2	30.9	25.9	20.8
1200	77	66.0	2.7	36.2	29.9	23.5	-	-	-	62.1	3.2	34.7	28.2	21.8	-	-	-
	72	60.4	2.7	42.2	35.8	29.5	23.2	-	-	56.8	3.1	40.6	34.2	27.9	21.6	-	-
	67	54.8	2.7	45.6	41.8	35.4	29.3	23.0	-	51.6	3.1	43.2	40.3	34.0	27.7	21.4	-
	62	50.3	2.7	45.7	45.7	41.4	35.0	29.1	22.9	47.6	3.1	43.5	43.5	40.1	33.7	27.6	21.3
	57	45.8	2.7	45.8	45.8	45.8	41.3	35.2	29.2	43.7	3.0	43.7	43.7	43.7	40.0	33.7	27.5
1400	77	67.1	2.7	39.4	31.6	23.8	-	-	-	62.9	3.2	38.1	30.1	22.0	-	-	-
	72	61.9	2.7	45.7	38.4	31.0	23.6	-	-	58.1	3.1	44.2	36.7	29.3	21.9	-	-
	67	56.8	2.7	49.2	45.1	38.2	30.9	23.5	-	53.3	3.1	47.1	43.4	36.7	29.3	21.9	-
	62	53.2	2.7	49.4	49.4	45.3	37.9	30.7	23.4	50.4	3.1	47.3	47.3	44.0	36.5	29.2	21.8
	57	49.6	2.7	49.6	49.6	49.6	45.3	38.0	30.7	47.5	3.1	47.5	47.5	47.5	44.0	36.6	29.2
1600	77	68.2	2.7	42.7	33.4	24.1	-	-	-	63.7	3.1	41.6	31.9	22.2	-	-	-
	72	63.5	2.7	49.3	40.9	32.5	24.1	-	-	59.4	3.1	47.7	39.3	30.8	22.3	-	-
	67	58.7	2.7	53.0	48.4	40.9	32.5	24.0	-	55.0	3.1	51.0	46.6	39.3	30.9	22.4	-
	62	56.1	2.7	53.3	53.3	49.3	40.7	32.4	24.0	53.2	3.1	51.3	51.3	47.9	39.3	30.9	22.4
	57	53.4	2.7	53.4	53.4	53.4	49.2	40.8	32.3	51.4	3.1	51.4	51.4	51.4	48.0	39.4	30.9
1800	72	65.0	2.7	52.9	43.4	34.0	24.5	-	-	60.7	3.1	51.3	41.8	32.2	22.7	-	-
	67	60.6	2.7	57.0	51.7	43.6	34.1	24.6	-	56.8	3.1	55.0	49.8	42.0	32.4	22.8	-
	62	58.9	2.7	57.1	57.1	53.3	43.6	34.1	24.5	56.0	3.1	55.1	55.0	51.8	42.2	32.6	22.9
	57	57.2	2.7	57.2	57.2	57.2	53.2	43.5	33.9	55.2	3.1	55.2	55.2	55.2	51.9	42.3	32.6
2000	72	66.5	2.7	56.5	46.0	35.5	25.0	-	-	61.9	3.1	54.9	44.3	33.7	23.0	-	-
	67	62.5	2.7	61.0	55.0	46.3	35.7	25.1	-	58.5	3.1	58.5	53.0	44.7	34.0	23.3	-
	62	61.8	2.7	61.1	60.5	57.2	46.5	35.7	25.0	58.8	3.1	58.8	58.2	55.7	45.0	34.2	23.5
	57	61.1	2.7	61.1	61.1	61.1	57.2	46.3	35.4	59.1	3.1	59.1	59.1	59.1	55.9	45.1	34.3

Table 9: WYE05 (4 ton) 95°F to 125°F

Air On Evaporator Coil		Temperature of Air on Condenser Coil															
		Total Capacity (MBh)	Total Input (kW)	Sensible Capacity (MBh) Return Dry Bulb (°F)						Total Capacity (MBh)	Total Input (kW)	Sensible Capacity (MBh) Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
CFM	WB (°F)	95°F								105°F							
1000	77	57.7	3.6	29.5	24.7	19.9	-	-	-	53.8	4.1	27.6	23.0	18.5	-	-	-
	72	52.2	3.5	35.4	30.2	24.9	19.7	-	-	48.6	4.0	34.0	28.7	23.4	18.2	-	-
	67	46.7	3.4	41.3	35.6	30.0	24.7	19.4	-	43.3	4.0	40.3	34.4	28.4	23.1	17.8	-
	62	42.2	3.4	42.2	41.3	35.0	29.7	24.4	19.1	40.4	3.9	40.4	39.0	33.3	28.1	22.8	17.5
1200	77	58.2	3.6	33.1	26.6	20.0	-	-	-	54.1	4.1	31.5	25.0	18.4	-	-	-
	72	53.2	3.5	39.0	32.6	26.3	20.0	-	-	49.5	4.0	37.4	31.0	24.7	18.3	-	-
	67	48.3	3.4	41.2	38.7	32.6	26.2	19.9	-	44.9	4.0	40.2	37.1	30.9	24.6	18.2	-
	62	44.9	3.4	41.3	41.3	38.9	32.5	26.1	19.7	42.7	4.0	40.4	40.4	37.2	30.8	24.4	18.0
	57	41.5	3.4	41.5	41.5	41.5	38.7	32.3	25.8	40.6	3.9	40.6	40.6	40.6	37.0	30.5	24.1
1400	77	58.7	3.6	36.8	28.5	20.2	-	-	-	54.3	4.1	35.5	26.9	18.4	-	-	-
	72	54.3	3.5	42.6	35.1	27.7	20.3	-	-	50.4	4.0	40.8	33.3	25.9	18.5	-	-
	67	49.8	3.5	45.1	41.8	35.2	27.7	20.3	-	46.5	4.0	43.0	39.8	33.5	26.0	18.5	-
	62	47.6	3.4	45.3	45.3	42.7	35.2	27.7	20.2	45.1	4.0	43.4	43.4	41.0	33.5	25.9	18.4
	57	45.4	3.4	45.4	45.4	45.4	42.7	35.2	27.7	43.6	4.0	43.6	43.6	43.6	41.0	33.3	25.7
1600	77	59.2	3.6	40.5	30.4	20.3	-	-	-	54.6	4.1	39.4	28.9	18.3	-	-	-
	72	55.3	3.5	46.2	37.6	29.1	20.5	-	-	51.3	4.0	44.2	35.7	27.2	18.7	-	-
	67	51.4	3.5	49.0	44.8	37.8	29.2	20.7	-	48.1	4.0	46.3	42.5	36.0	27.4	18.8	-
	62	50.3	3.5	49.2	49.2	46.5	38.0	29.4	20.8	47.4	4.0	46.5	46.5	44.9	36.2	27.5	18.8
	57	49.3	3.4	49.3	49.3	49.3	46.7	38.1	29.5	46.7	4.0	46.7	46.7	46.7	44.9	36.1	27.4
1800	72	56.3	3.5	49.7	40.1	30.4	20.8	-	-	52.2	4.0	47.6	38.0	28.4	18.8	-	-
	67	53.0	3.5	53.0	47.9	40.4	30.8	21.1	-	49.6	4.0	49.6	45.2	38.6	28.9	19.2	-
	62	53.1	3.5	53.1	52.9	50.4	40.7	31.1	21.4	49.7	4.0	49.7	49.7	48.7	38.9	29.1	19.2
	57	53.2	3.5	53.2	53.2	53.2	50.7	41.0	31.3	49.8	4.0	49.8	49.8	49.8	48.9	39.0	29.0
2000	72	57.4	3.5	53.3	42.6	31.8	21.1	-	-	53.2	4.0	51.0	40.3	29.7	19.0	-	-
	67	57.3	3.5	56.0	51.0	43.0	32.3	21.5	-	51.2	4.0	51.2	47.9	41.1	30.3	19.5	-
	62	57.2	3.5	56.1	55.9	54.2	43.5	32.7	22.0	52.1	4.0	52.1	52.1	52.1	41.6	30.6	19.7
	57	57.1	3.5	56.1	56.1	56.1	54.7	43.9	33.2	52.9	4.0	52.8	52.8	52.8	52.8	41.8	30.6
		115°F								125°F							
1000	77	49.9	4.6	25.7	21.4	17.1	-	-	-	46.1	5.1	23.8	19.8	15.7	-	-	-
	72	44.9	4.5	32.6	27.3	21.9	16.6	-	-	41.3	5.0	31.1	25.8	20.4	15.1	-	-
	67	39.9	4.5	38.4	33.1	26.8	21.5	16.3	-	36.4	5.0	36.4	31.8	25.2	19.9	14.7	-
	62	38.6	4.5	38.6	36.6	31.6	26.4	21.2	16.0	36.8	5.0	36.8	34.3	29.9	24.8	19.6	14.4
1200	77	50.0	4.6	29.9	23.4	16.8	-	-	-	45.8	5.1	28.3	21.8	15.2	-	-	-
	72	45.7	4.5	35.8	29.4	23.1	16.7	-	-	42.0	5.1	34.2	27.8	21.4	15.1	-	-
	67	41.5	4.5	39.3	35.4	29.3	22.9	16.5	-	38.1	5.0	38.1	33.8	27.6	21.2	14.8	-
	62	40.5	4.5	39.4	39.4	35.5	29.1	22.7	16.2	38.4	5.0	38.4	37.0	33.8	27.4	21.0	14.5
	57	39.6	4.5	39.6	39.6	39.6	35.3	28.8	22.4	38.7	5.0	38.7	38.7	38.7	33.5	27.1	20.7
1400	77	50.0	4.6	34.1	25.4	16.6	-	-	-	45.6	5.1	32.8	23.8	14.8	-	-	-
	72	46.5	4.5	39.0	31.6	24.2	16.8	-	-	42.7	5.1	37.2	29.8	22.4	15.0	-	-
	67	43.1	4.5	41.3	37.8	31.7	24.2	16.7	-	39.7	5.0	39.7	35.8	30.0	22.5	15.0	-
	62	42.5	4.5	42.5	42.1	39.3	31.7	24.1	16.5	39.9	5.0	39.9	39.6	37.6	30.0	22.3	14.7
	57	41.9	4.5	41.9	41.9	41.9	39.2	31.5	23.8	40.1	5.0	40.1	40.1	40.1	37.5	29.7	21.9
1600	77	50.0	4.6	38.4	27.3	16.3	-	-	-	45.4	5.1	37.3	25.8	14.3	-	-	-
	72	47.3	4.5	42.2	33.7	25.3	16.8	-	-	43.4	5.1	40.2	31.8	23.4	15.0	-	-
	67	44.7	4.5	44.7	40.1	34.2	25.6	17.0	-	41.4	5.1	41.4	37.7	32.4	23.8	15.1	-
	62	44.4	4.5	44.4	44.4	43.2	34.4	25.6	16.8	41.5	5.1	41.5	41.5	41.5	32.6	23.7	14.8
	57	44.1	4.5	44.1	44.1	44.1	43.2	34.2	25.2	41.5	5.1	41.5	41.5	41.5	41.4	32.3	23.1
1800	72	48.2	4.5	45.4	35.9	26.4	16.9	-	-	44.1	5.1	43.2	33.8	24.4	14.9	-	-
	67	46.3	4.5	46.3	42.4	36.7	27.0	17.2	-	43.0	5.1	43.0	39.7	34.9	25.1	15.3	-
	62	46.4	4.5	46.4	46.4	46.4	37.1	27.1	17.1	43.0	5.1	43.0	43.0	43.0	35.2	25.1	14.9
	57	46.4	4.5	46.4	46.4	46.4	46.4	36.9	26.7	43.0	5.1	43.0	43.0	43.0	43.0	34.8	24.3
2000	72	49.0	4.5	48.6	38.0	27.5	17.0	-	-	44.8	5.1	44.8	35.8	25.3	14.9	-	-
	67	47.9	4.6	47.9	44.8	39.2	28.3	17.5	-	44.7	5.1	44.7	41.7	37.3	26.4	15.5	-
	62	48.3	4.6	48.3	48.3	48.3	39.7	28.5	17.4	44.5	5.1	44.5	44.5	44.5	37.8	26.4	15.1
	57	48.6	4.6	48.6	48.6	48.6	48.6	39.6	28.1	44.4	5.1	44.4	44.4	44.4	44.4	37.4	25.6

WYE06 (5 ton) cooling capacities

The following tables detail the cooling capacities for WYE06 (5 ton).

Note:

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

Table 10: WYE06 (5 ton) 75°F to 85°F

Air On Evaporator Coil		Temperature of Air on Condenser Coil															
		Total Capacity (MBh)	Total Input (kW)	Sensible Capacity (MBh) Return Dry Bulb (°F)						Total Capacity (MBh)	Total Input (kW)	Sensible Capacity (MBh) Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
CFM	WB (°F)	75°F								85°F							
1250	77	81.5	3.5	39.8	33.7	27.6	-	-	-	77.1	4.0	37.3	31.9	26.4	-	-	-
	72	73.7	3.4	47.6	40.9	34.2	27.5	-	-	69.5	3.9	45.8	39.4	32.9	26.5	-	-
	67	65.8	3.4	55.4	48.1	40.9	34.1	27.5	-	61.9	3.9	54.3	46.9	39.5	32.8	26.3	-
	62	59.6	3.3	59.6	55.9	47.5	40.3	34.1	27.4	58.2	3.8	58.2	53.2	46.0	39.0	32.5	25.7
1500	77	82.1	3.5	44.2	36.1	28.0	-	-	-	77.8	4.0	42.4	34.5	26.7	-	-	-
	72	75.1	3.4	52.3	44.2	36.2	28.1	-	-	71.1	3.9	50.5	42.6	34.7	26.8	-	-
	67	68.1	3.4	58.5	52.3	44.3	36.1	28.1	-	64.5	3.9	58.4	50.6	42.7	34.6	26.6	-
	62	63.4	3.4	58.6	58.6	52.4	43.9	36.1	27.9	61.6	3.9	58.5	57.0	50.7	42.3	34.3	26.1
	57	58.8	3.3	58.8	58.8	58.8	52.3	44.1	35.9	58.6	3.8	58.6	58.6	58.6	50.4	42.0	33.7
1750	77	82.8	3.5	48.5	38.5	28.4	-	-	-	78.5	4.0	47.5	37.2	27.0	-	-	-
	72	76.6	3.5	56.9	47.5	38.1	28.6	-	-	72.8	3.9	55.1	45.8	36.4	27.1	-	-
	67	70.4	3.4	63.8	56.5	47.7	38.2	28.6	-	67.1	3.9	62.8	54.4	45.9	36.4	26.9	-
	62	67.3	3.4	64.0	63.7	57.3	47.4	38.1	28.5	64.9	3.9	62.8	60.8	55.4	45.6	36.2	26.6
	57	64.1	3.4	64.1	64.1	64.1	57.3	47.5	37.8	62.8	3.9	62.8	62.8	62.8	55.1	45.4	35.6
2000	77	83.4	3.5	52.8	40.8	28.9	-	-	-	79.2	4.0	52.6	39.9	27.2	-	-	-
	72	78.0	3.5	61.6	50.8	40.0	29.2	-	-	74.4	4.0	59.8	49.0	38.2	27.4	-	-
	67	72.7	3.4	69.3	60.8	51.1	40.2	29.2	-	69.6	3.9	67.0	58.1	49.1	38.2	27.3	-
	62	71.1	3.4	69.4	67.6	62.3	51.0	40.1	29.0	68.3	3.9	67.0	64.6	60.1	48.9	38.0	27.0
	57	69.5	3.4	69.5	69.5	69.5	62.2	50.9	39.7	67.0	3.9	67.0	67.0	67.0	59.9	48.7	37.6
2250	72	79.5	3.5	66.3	54.1	41.9	29.8	-	-	76.1	4.0	64.5	52.2	39.9	27.7	-	-
	67	75.0	3.5	73.0	65.0	54.6	42.2	29.8	-	72.2	3.9	71.3	61.8	52.3	40.0	27.6	-
	62	74.9	3.5	73.2	71.5	67.2	54.5	42.1	29.5	71.7	3.9	71.7	68.5	64.8	52.3	39.8	27.4
	57	74.8	3.5	73.3	73.3	73.3	67.1	54.3	41.6	71.2	3.9	71.2	71.2	71.2	64.6	52.1	39.5
2500	72	81.0	3.5	70.9	57.4	43.8	30.3	-	-	77.7	4.0	69.1	55.4	41.7	28.0	-	-
	67	80.5	3.5	77.0	69.2	58.0	44.2	30.4	-	74.8	4.0	74.8	65.5	55.6	41.8	28.0	-
	62	80.3	3.5	77.0	75.4	72.1	58.1	44.1	30.1	75.1	4.0	74.8	72.3	69.5	55.6	41.7	27.8
	57	80.2	3.5	77.1	77.1	77.1	72.0	57.7	43.5	75.4	4.0	74.8	74.8	74.8	69.4	55.4	41.4

Table 11: WYE06 (5 ton) 95°F to 125°F

Air On Evaporator Coil		Temperature of Air on Condenser Coil															
		Total Capacity (MBh)	Total Input (kW)	Sensible Capacity (MBh) Return Dry Bulb (°F)						Total Capacity (MBh)	Total Input (kW)	Sensible Capacity (MBh) Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
CFM	WB (°F)	95°F								105°F							
1250	77	72.6	4.5	34.8	30.0	25.2	-	-	-	68.0	5.1	33.5	28.6	23.8	-	-	-
	72	65.3	4.4	44.0	37.8	31.6	25.5	-	-	60.9	5.1	42.1	35.8	29.5	23.2	-	-
	67	58.1	4.3	53.3	45.7	38.1	31.6	25.1	-	53.9	5.0	50.6	42.9	35.2	28.9	22.6	-
	62	56.8	4.3	56.3	50.4	44.5	37.7	30.9	24.1	52.7	5.0	52.7	47.0	40.9	34.6	28.4	22.1
1500	77	73.4	4.5	40.6	33.0	25.4	-	-	-	67.7	5.1	39.1	31.3	23.4	-	-	-
	72	67.2	4.4	48.7	41.0	33.2	25.5	-	-	62.1	5.1	46.4	38.7	30.9	23.2	-	-
	67	60.9	4.4	56.7	48.9	41.1	33.1	25.2	-	56.6	5.0	53.8	46.1	38.4	30.6	22.8	-
	62	59.7	4.3	58.3	54.1	48.9	40.7	32.6	24.4	55.6	5.0	54.3	50.8	45.9	38.0	30.1	22.2
	57	58.5	4.3	58.5	58.5	56.8	48.4	39.9	31.5	54.5	5.0	54.5	54.5	53.4	45.4	37.5	29.5
1750	77	74.3	4.5	46.5	36.0	25.5	-	-	-	67.4	5.1	44.6	33.9	23.1	-	-	-
	72	69.0	4.4	53.4	44.1	34.8	25.5	-	-	63.3	5.1	50.8	41.6	32.4	23.2	-	-
	67	63.7	4.4	60.2	52.2	44.1	34.7	25.2	-	59.3	5.1	56.9	49.3	41.6	32.3	22.9	-
	62	62.6	4.4	61.3	57.9	53.4	43.8	34.2	24.6	58.4	5.0	57.3	54.7	50.9	41.4	31.8	22.3
	57	61.5	4.4	61.5	61.5	61.5	53.0	43.2	33.5	57.5	5.0	57.5	57.5	57.5	50.5	40.8	31.1
2000	77	75.1	4.5	52.3	39.0	25.6	-	-	-	67.1	5.1	50.2	36.5	22.7	-	-	-
	72	70.8	4.4	58.0	47.2	36.4	25.6	-	-	64.6	5.1	55.1	44.5	33.8	23.2	-	-
	67	66.5	4.4	63.7	55.4	47.1	36.2	25.3	-	62.0	5.1	60.0	52.5	44.9	34.0	23.0	-
	62	65.5	4.4	64.2	61.7	57.9	46.9	35.9	24.9	61.3	5.1	60.3	58.6	56.0	44.8	33.6	22.4
	57	64.5	4.4	64.5	64.5	64.5	57.6	46.5	35.5	60.5	5.1	60.5	60.5	60.5	55.6	44.1	32.7
2250	72	72.7	4.5	62.7	50.3	37.9	25.6	-	-	65.8	5.1	59.5	47.4	35.3	23.2	-	-
	67	69.4	4.4	67.2	58.7	50.1	37.8	25.4	-	64.7	5.1	63.2	55.6	48.1	35.7	23.2	-
	62	68.5	4.4	67.4	65.4	62.3	50.0	37.6	25.2	64.1	5.1	63.4	62.5	61.0	48.1	35.3	22.5
	57	67.5	4.4	67.5	67.5	67.5	62.2	49.8	37.4	63.6	5.1	63.6	63.6	63.6	60.6	47.4	34.3
2500	72	74.5	4.5	67.3	53.4	39.5	25.6	-	-	67.0	5.1	63.8	50.3	36.7	23.2	-	-
	67	72.2	4.5	70.3	61.9	53.2	39.3	25.5	-	67.5	5.1	66.3	58.8	51.4	37.3	23.3	-
	62	71.4	4.5	70.5	69.2	66.8	53.0	39.3	25.5	67.0	5.1	66.4	66.4	66.0	51.5	37.1	22.6
	57	70.6	4.5	70.6	70.6	70.6	66.8	53.1	39.4	66.6	5.1	66.6	66.6	66.6	65.7	50.8	35.8
		115°F								125°F							
1250	77	63.4	5.8	32.2	27.3	22.3	-	-	-	58.8	6.4	31.0	25.9	20.8	-	-	-
	72	56.5	5.7	40.1	33.7	27.3	20.9	-	-	52.2	6.4	38.2	31.6	25.1	18.6	-	-
	67	49.7	5.7	48.0	40.1	32.3	26.2	20.2	-	45.5	6.3	45.4	37.4	29.4	23.5	17.7	-
	62	48.6	5.6	48.6	43.5	37.2	31.6	25.9	20.2	44.5	6.3	44.5	40.1	33.6	28.5	23.4	18.3
1500	77	62.0	5.8	37.5	29.5	21.5	-	-	-	56.2	6.5	36.0	27.8	19.6	-	-	-
	72	57.1	5.7	44.2	36.4	28.6	20.8	-	-	52.1	6.4	41.9	34.1	26.3	18.5	-	-
	67	52.3	5.7	50.6	43.3	35.7	28.0	20.4	-	48.0	6.4	46.4	40.4	33.0	25.5	18.0	-
	62	51.4	5.7	50.6	47.6	42.8	35.3	27.7	20.1	47.3	6.4	46.5	44.3	39.8	32.5	25.2	18.0
	57	50.6	5.7	50.6	50.6	50.0	42.5	35.0	27.5	46.6	6.3	46.6	46.6	46.5	39.5	32.5	25.5
1750	77	60.5	5.8	42.8	31.8	20.7	-	-	-	53.6	6.5	41.0	29.6	18.3	-	-	-
	72	57.7	5.8	48.2	39.1	29.9	20.8	-	-	52.1	6.4	45.6	36.6	27.5	18.4	-	-
	67	54.9	5.7	53.6	46.4	39.2	29.9	20.6	-	50.5	6.4	49.4	43.5	36.7	27.5	18.2	-
	62	54.2	5.7	53.6	51.6	48.4	38.9	29.5	20.0	50.0	6.4	49.5	48.4	45.9	36.5	27.1	17.6
	57	53.6	5.7	53.6	53.6	53.6	48.0	38.4	28.7	49.6	6.4	49.6	49.6	49.6	45.5	35.9	26.3
2000	77	59.1	5.8	48.1	34.0	19.9	-	-	-	51.1	6.5	46.0	31.5	17.0	-	-	-
	72	58.3	5.8	52.2	41.7	31.3	20.8	-	-	52.0	6.5	49.3	39.0	28.7	18.4	-	-
	67	57.5	5.8	56.3	49.5	42.6	31.7	20.8	-	53.0	6.4	52.7	46.5	40.4	29.4	18.5	-
	62	57.0	5.7	56.5	55.6	54.0	42.6	31.2	19.9	52.8	6.4	52.8	52.6	52.1	40.5	28.9	17.3
	57	56.6	5.7	56.6	56.6	56.6	53.6	41.7	29.9	52.6	6.4	52.6	52.6	52.6	51.6	39.3	27.1
2250	72	58.9	5.8	56.3	44.4	32.6	20.7	-	-	52.0	6.5	52.0	41.5	29.9	18.3	-	-
	67	60.1	5.8	59.1	52.6	46.1	33.5	21.0	-	55.5	6.5	55.1	49.6	44.1	31.4	18.7	-
	62	59.8	5.8	59.6	59.6	59.6	46.3	33.0	19.7	55.5	6.4	55.2	55.2	55.2	44.5	30.7	17.0
	57	59.6	5.8	59.6	59.6	59.6	59.1	45.1	31.1	55.6	6.4	55.3	55.3	55.3	55.3	42.8	27.9
2500	72	59.5	5.8	59.5	47.1	33.9	20.7	-	-	51.9	6.5	51.9	43.9	31.1	18.2	-	-
	67	62.7	5.8	61.9	55.7	49.6	35.4	21.2	-	58.0	6.5	57.5	52.6	47.8	33.4	19.0	-
	62	62.6	5.8	62.1	62.1	62.1	50.0	34.8	19.6	58.3	6.5	57.4	57.4	57.4	48.5	32.6	16.7
	57	62.6	5.8	62.3	62.3	62.3	62.3	48.5	32.3	58.6	6.5	57.2	57.2	57.2	57.2	46.2	28.7

WYEA7 (7.5 ton) cooling capacities

The following tables detail the cooling capacities for WYE06 (5 ton).

Note:

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

Table 12: WYEA7 (7.5 ton) 75°F to 85°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total Input[1] (kW)[1]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total Input[1] (kW)[1]	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
1500	77	93.6	4.2	45.1	38.6	32.2	-	-	-	89.1	4.8	42.6	36.2	29.8	-	-	-
	72	85.7	4.2	55.5	47.5	39.6	31.6	-	-	81.0	4.7	53.5	45.6	37.7	29.8	-	-
	67	77.7	4.1	66.0	56.5	47.0	39.5	31.7	-	72.9	4.6	64.3	54.9	45.5	37.7	29.8	-
	62	70.9	4.0	70.9	62.7	54.4	45.7	39.8	32.5	69.0	4.6	68.5	60.9	53.3	44.9	37.8	30.0
1800	77	95.9	4.3	51.7	42.2	32.7	-	-	-	90.8	4.8	49.5	40.0	30.4	-	-	-
	72	88.0	4.2	61.2	51.6	42.1	32.5	-	-	83.3	4.7	59.1	49.6	40.0	30.5	-	-
	67	80.1	4.1	70.6	61.0	51.5	42.1	32.7	-	75.8	4.6	68.6	59.1	49.7	40.2	30.6	-
	62	75.4	4.1	74.9	67.9	60.9	50.5	42.3	33.1	73.1	4.6	72.1	65.7	59.3	49.2	40.3	30.7
	57	70.8	4.0	70.8	70.8	70.2	61.1	52.0	42.9	70.4	4.6	70.4	70.4	68.9	59.4	49.9	40.3
2100	77	98.2	4.3	58.4	45.8	33.2	-	-	-	92.4	4.8	56.4	43.7	31.0	-	-	-
	72	90.4	4.2	66.8	55.7	44.6	33.4	-	-	85.5	4.7	64.7	53.5	42.4	31.3	-	-
	67	82.5	4.2	75.2	65.6	55.9	44.8	33.6	-	78.7	4.6	72.9	63.3	53.8	42.7	31.4	-
	62	80.0	4.1	78.8	73.0	67.3	55.2	44.8	33.6	77.2	4.6	75.7	70.5	65.2	53.5	42.7	31.4
	57	77.4	4.1	77.4	77.4	77.2	67.4	56.1	44.8	75.8	4.6	75.8	75.8	75.8	65.3	53.9	42.6
2400	77	100.4	4.3	65.1	49.4	33.7	-	-	-	94.0	4.8	63.3	47.5	31.6	-	-	-
	72	92.7	4.2	72.5	59.8	47.1	34.3	-	-	87.8	4.7	70.2	57.5	44.8	32.1	-	-
	67	85.0	4.2	79.8	70.1	60.4	47.5	34.5	-	81.6	4.7	77.2	67.6	58.0	45.1	32.2	-
	62	84.5	4.2	82.7	78.2	73.8	60.0	47.4	34.2	81.4	4.6	79.3	75.2	71.2	57.9	45.1	32.1
	57	84.1	4.1	84.1	84.1	84.1	73.7	60.2	46.8	81.1	4.6	80.8	80.8	80.8	71.2	58.0	44.9
2700	72	95.0	4.2	78.1	63.8	49.5	35.3	-	-	90.1	4.7	75.8	61.5	47.2	32.8	-	-
	67	90.0	4.2	84.5	74.7	64.9	50.2	35.4	-	86.4	4.7	81.4	71.8	62.1	47.6	33.0	-
	62	89.0	4.2	86.5	83.4	80.2	64.8	49.9	34.7	85.5	4.7	82.9	80.0	77.1	62.2	47.6	32.8
	57	88.5	4.2	87.9	87.9	87.9	79.9	64.3	48.7	84.5	4.7	84.1	84.1	84.1	77.1	62.1	47.1
3000	72	97.4	4.3	83.8	67.9	52.0	36.2	-	-	92.4	4.7	81.4	65.5	49.5	33.6	-	-
	67	93.9	4.2	89.1	79.2	69.4	52.9	36.4	-	90.0	4.7	85.7	76.0	66.3	50.1	33.8	-
	62	93.6	4.2	90.4	88.5	86.7	69.5	52.4	35.2	89.6	4.7	86.5	84.8	83.1	66.5	50.0	33.5
	57	93.5	4.2	91.7	91.7	91.7	86.2	68.4	50.6	89.5	4.7	87.4	87.4	87.4	83.0	66.2	49.4

Table 13: WYEA7 (7.5 ton) 95°F to 125°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total Input[1] (kW)[1]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total Input[1] (kW)[1]	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		95°F								105°F							
1500	77	84.6	5.3	40.2	33.9	27.5	-	-	-	78.9	5.9	39.4	32.6	25.9	-	-	-
	72	76.4	5.2	51.4	43.6	35.8	27.9	-	-	71.2	5.8	50.0	41.8	33.7	25.5	-	-
	67	68.1	5.1	62.6	53.3	44.0	36.0	28.0	-	63.5	5.7	60.6	51.0	41.5	33.4	25.4	-
	62	67.1	5.1	65.9	59.1	52.3	44.1	35.8	27.6	63.3	5.7	62.3	55.8	49.3	41.3	33.4	25.5
1800	77	85.6	5.3	47.3	37.7	28.2	-	-	-	79.5	5.9	45.9	36.0	26.0	-	-	-
	72	78.6	5.2	57.0	47.5	38.0	28.5	-	-	73.2	5.8	54.9	45.3	35.7	26.1	-	-
	67	71.5	5.1	66.6	57.2	47.9	38.2	28.6	-	67.0	5.8	63.9	54.7	45.4	35.8	26.1	-
	62	70.8	5.1	69.3	63.5	57.7	48.0	38.2	28.4	66.8	5.7	65.4	60.2	55.1	45.4	35.7	26.0
	57	70.1	5.1	70.1	69.8	67.6	57.7	47.7	37.8	66.5	5.7	66.5	65.8	64.8	55.1	45.3	35.6
2100	77	86.6	5.3	54.5	41.6	28.8	-	-	-	80.2	5.9	52.5	39.3	26.1	-	-	-
	72	80.7	5.2	62.5	51.4	40.3	29.1	-	-	75.1	5.8	59.9	48.8	37.7	26.7	-	-
	67	74.9	5.1	70.5	61.1	51.7	40.5	29.3	-	71.4	5.8	67.3	58.3	49.3	38.1	26.8	-
	62	74.5	5.1	72.6	67.9	63.2	51.9	40.5	29.2	70.2	5.8	68.4	64.7	60.9	49.5	38.0	26.6
	57	74.1	5.1	74.1	74.1	74.1	63.2	51.8	40.4	70.0	5.7	69.5	69.5	69.5	60.9	49.3	37.6
2400	77	87.6	5.3	61.6	45.5	29.5	-	-	-	80.8	5.9	59.0	42.6	26.3	-	-	-
	72	82.9	5.2	68.0	55.3	42.5	29.8	-	-	77.1	5.8	64.8	52.3	39.8	27.2	-	-
	67	78.2	5.1	74.5	65.0	55.6	42.7	29.9	-	74.0	5.8	70.6	61.9	53.3	40.4	27.5	-
	62	78.2	5.1	76.0	72.3	68.6	55.7	42.9	30.1	73.6	5.8	71.4	69.1	66.8	53.6	40.4	27.2
	57	78.0	5.1	77.5	77.5	77.5	68.7	55.9	43.0	73.5	5.7	72.2	72.2	72.2	66.7	53.2	39.6
2700	72	85.1	5.2	73.6	59.2	44.8	30.4	-	-	79.0	5.9	69.8	55.8	41.8	27.8	-	-
	67	81.6	5.2	78.4	68.9	59.4	45.0	30.6	-	78.5	5.8	74.0	65.6	57.2	42.7	28.2	-
	62	81.9	5.1	79.3	76.7	74.0	59.6	45.3	30.9	78.0	5.8	74.4	73.5	72.6	57.6	42.7	27.7
	57	81.5	5.0	80.2	80.2	80.2	74.3	59.9	45.5	77.4	5.7	74.9	74.9	74.9	72.6	57.1	41.7
3000	72	87.3	5.2	79.1	63.1	47.0	31.0	-	-	80.9	5.9	74.7	59.3	43.8	28.4	-	-
	67	85.0	5.2	82.4	72.8	63.2	47.3	31.3	-	80.6	5.8	77.3	69.2	61.1	45.0	29.0	-
	62	84.0	5.1	82.7	81.1	79.5	63.5	47.6	31.7	80.4	5.8	77.5	77.5	77.5	61.7	45.0	28.3
	57	83.5	5.0	83.0	83.0	83.0	79.8	64.0	48.1	80.1	5.7	77.6	77.6	77.6	77.6	61.0	43.7
		115°F								125°F							
1500	77	73.2	6.5	38.5	31.4	24.3	-	-	-	67.5	7.1	37.7	30.2	22.7	-	-	-
	72	66.1	6.4	48.5	40.1	31.6	23.1	-	-	61.0	7.1	47.1	38.3	29.5	20.8	-	-
	67	60.0	6.4	58.5	48.7	38.9	30.9	22.8	-	56.0	7.0	54.9	46.4	36.4	28.3	20.3	-
	62	59.6	6.4	58.8	52.5	46.3	38.6	31.0	23.3	55.8	7.0	55.2	49.3	43.3	35.9	28.6	21.2
1800	77	73.5	6.5	44.5	34.2	23.9	-	-	-	67.4	7.1	43.1	32.4	21.7	-	-	-
	72	67.8	6.5	52.9	43.2	33.4	23.7	-	-	62.4	7.1	50.9	41.0	31.1	21.2	-	-
	67	63.5	6.4	61.3	52.1	43.0	33.3	23.6	-	59.0	7.1	56.9	49.6	40.5	30.8	21.1	-
	62	62.7	6.4	61.5	57.0	52.5	42.9	33.3	23.6	58.6	7.1	57.6	53.7	49.9	40.4	30.8	21.3
	57	62.0	6.4	61.7	61.7	61.7	52.5	42.9	33.4	58.0	7.0	57.9	57.9	57.9	49.9	40.5	31.2
2100	77	73.7	6.5	50.5	37.0	23.5	-	-	-	67.3	7.1	48.5	34.6	20.8	-	-	-
	72	69.5	6.5	57.3	46.2	35.2	24.2	-	-	63.8	7.1	54.6	43.7	32.7	21.7	-	-
	67	67.0	6.4	64.0	55.5	47.0	35.7	24.4	-	62.7	7.1	59.9	52.7	44.6	33.2	21.9	-
	62	65.8	6.4	64.2	61.4	58.7	47.1	35.5	23.9	61.5	7.1	60.0	58.2	56.5	44.8	33.0	21.3
	57	65.5	6.4	64.3	64.3	64.3	58.6	46.7	34.8	61.0	7.0	60.5	60.5	60.5	56.3	44.2	32.1
2400	77	74.0	6.5	56.5	39.8	23.1	-	-	-	67.1	7.2	53.9	36.9	19.9	-	-	-
	72	71.2	6.5	61.6	49.3	37.0	24.7	-	-	65.3	7.1	58.4	46.4	34.3	22.2	-	-
	67	69.1	6.5	66.8	58.9	51.0	38.0	25.1	-	64.9	7.1	63.0	55.8	48.7	35.7	22.7	-
	62	69.0	6.4	66.9	65.9	64.9	51.4	37.8	24.3	64.4	7.1	63.1	62.7	63.1	49.2	35.3	21.4
	57	69.0	6.4	66.9	66.9	66.9	64.7	50.5	36.3	64.0	7.0	63.5	63.5	63.5	62.7	47.8	33.0
2700	72	72.9	6.5	66.0	52.4	38.8	25.2	-	-	68.2	7.2	62.2	49.0	35.9	22.7	-	-
	67	72.4	6.5	69.6	62.3	55.0	40.4	25.9	-	66.5	7.2	63.0	59.0	52.8	38.2	23.5	-
	62	72.1	6.4	69.6	69.6	69.6	55.6	40.1	24.6	66.1	7.1	64.7	64.7	64.7	53.6	37.5	21.4
	57	72.0	6.4	69.6	69.6	69.6	69.6	54.3	37.8	66.0	7.1	64.2	64.2	64.2	64.2	51.5	33.9
3000	72	74.6	6.5	70.4	55.5	40.6	25.8	-	-	70.7	7.2	66.0	51.7	37.4	23.2	-	-
	67	74.6	6.5	72.3	65.7	59.0	42.8	26.6	-	70.5	7.2	67.3	62.1	56.9	40.6	24.3	-
	62	74.5	6.4	72.3	72.3	72.3	59.9	42.4	24.9	70.1	7.1	67.1	67.1	67.1	58.0	39.7	21.4
	57	74.0	6.4	74.0	74.0	74.0	74.0	58.1	39.3	70.0	7.1	66.8	66.8	66.8	66.8	55.2	34.9

WYE08 (6 ton) cooling capacities

The following tables detail the cooling capacities for WYE06 (5 ton).

Note:

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

Table 14: WYE08 (6 ton) 75°F and 85°F

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity (MBh)	Total Input (kW)[1]	Sensible capacity (MBh)						Total capacity (MBh)	Total Input (kW)[1]	Sensible capacity (MBh)					
				Return dry bulb (°F)								Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
1875	77	121.9	5.2	59.2	50.9	42.7	-	-	-	119.1	5.9	56.6	47.6	38.7	-	-	-
	72	109.8	5.2	70.9	61.1	51.4	41.6	-	-	102.5	5.9	68.1	58.1	48.0	37.9	-	-
	67	97.7	5.1	82.6	71.3	60.1	50.6	40.8	-	85.9	5.9	79.7	68.5	57.3	47.4	37.3	-
	62	90.6	5.1	90.6	80.1	68.8	58.3	49.7	40.2	86.3	5.8	86.3	76.5	66.6	56.2	46.8	36.9
2250	77	123.9	5.2	66.8	54.9	42.9	-	-	-	116.2	5.9	63.9	51.6	39.2	-	-	-
	72	112.8	5.2	78.0	66.1	54.1	42.1	-	-	105.2	5.9	75.0	62.9	50.8	38.7	-	-
	67	101.7	5.1	89.3	77.2	65.2	53.5	41.6	-	94.2	5.9	86.1	74.3	62.4	50.4	38.3	-
	62	95.4	5.1	95.4	86.4	76.3	63.9	53.1	41.5	91.0	5.8	91.0	82.7	74.0	61.7	50.1	38.1
	57	89.1	5.0	89.1	89.1	87.4	76.0	64.6	53.1	87.9	5.8	87.9	87.9	85.6	73.7	61.9	50.0
2625	77	125.9	5.2	74.5	58.8	43.2	-	-	-	113.4	5.9	71.3	55.5	39.7	-	-	-
	72	115.8	5.2	85.2	71.0	56.8	42.5	-	-	108.0	5.9	81.9	67.7	53.6	39.4	-	-
	67	105.6	5.1	95.9	83.1	70.3	56.4	42.4	-	102.6	5.9	92.6	80.0	67.5	53.4	39.3	-
	62	100.1	5.1	100.1	92.7	83.9	69.6	56.5	42.7	95.8	5.8	95.8	88.9	81.4	67.1	53.4	39.4
	57	94.5	5.1	94.5	94.5	93.7	84.0	70.5	57.1	89.0	5.8	89.0	89.0	89.0	81.4	67.5	53.6
3000	77	127.8	5.2	82.1	62.8	43.5	-	-	-	110.6	6.0	78.6	59.4	40.2	-	-	-
	72	118.7	5.2	92.4	75.9	59.4	43.0	-	-	110.7	5.9	88.8	72.6	56.4	40.2	-	-
	67	109.6	5.1	102.6	89.0	75.4	59.4	43.2	-	110.9	5.9	99.0	85.8	72.6	56.5	40.3	-
	62	104.8	5.1	104.8	99.0	91.4	75.2	59.8	44.0	100.5	5.9	100.5	95.1	88.7	72.5	56.7	40.7
	57	99.9	5.1	99.9	99.9	99.9	92.0	76.5	61.0	90.0	5.8	90.0	90.0	90.0	89.0	73.1	57.2
3375	72	121.7	5.2	99.5	80.8	62.1	43.4	-	-	113.5	5.9	95.7	77.4	59.2	40.9	-	-
	67	113.6	5.1	109.3	95.0	80.6	62.3	44.0	-	119.2	5.9	105.4	91.5	77.6	59.5	41.3	-
	62	109.5	5.2	109.5	105.2	99.0	80.9	63.2	45.3	105.2	5.9	105.2	101.3	96.1	78.0	60.0	42.0
	57	105.4	5.2	105.4	105.4	105.4	99.9	82.4	64.9	91.1	5.9	91.1	91.1	91.1	91.1	78.7	60.8
3750	72	124.7	5.2	106.7	85.8	64.8	43.9	-	-	116.2	5.9	102.6	82.3	62.0	41.7	-	-
	67	117.6	5.1	116.0	100.9	85.7	65.2	44.7	-	127.6	5.9	111.9	97.3	82.7	62.5	42.3	-
	62	114.2	5.2	114.2	111.5	106.5	86.6	66.6	46.6	109.9	5.9	109.9	107.5	103.5	83.4	63.3	43.3
	57	110.8	5.2	110.8	110.8	110.8	107.9	88.4	68.9	92.2	5.9	92.2	92.2	92.2	92.2	84.3	64.4

Table 15: WYE08 (6 ton) 95°F and 125°F

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity (MBh)	Total Input (kW)[1]	Sensible capacity (MBh)						Total capacity (MBh)	Total Input (kW)[1]	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		95°F								105°F							
1875	77	116.2	6.6	54.0	44.3	34.7	-	-	-	101.9	7.6	51.1	42.2	33.3	-	-	-
	72	95.2	6.6	65.4	55.0	44.6	34.2	-	-	85.2	7.6	62.6	52.4	42.2	31.9	-	-
	67	74.1	6.6	74.1	65.7	54.5	44.2	33.8	-	68.5	7.5	68.5	62.6	51.1	41.1	31.2	-
	62	82.0	6.5	81.5	72.9	64.4	54.1	43.8	33.5	77.2	7.5	76.5	68.2	60.0	50.3	40.6	31.0
2250	77	108.6	6.6	61.0	48.2	35.4	-	-	-	99.5	7.7	58.3	45.6	33.0	-	-	-
	72	97.7	6.6	72.0	59.8	47.5	35.3	-	-	90.1	7.6	68.8	56.7	44.6	32.4	-	-
	67	86.8	6.6	83.0	71.3	59.6	47.3	35.1	-	80.6	7.6	79.4	67.8	56.2	44.1	32.0	-
	62	86.7	6.5	86.5	79.1	71.6	59.4	47.1	34.8	81.3	7.5	81.0	74.4	67.7	55.8	43.8	31.8
	57	86.7	6.5	86.7	86.7	83.7	71.4	59.1	46.8	82.1	7.4	82.1	81.0	79.3	67.4	55.5	43.6
2625	77	100.9	6.7	68.0	52.1	36.2	-	-	-	97.2	7.7	65.4	49.1	32.7	-	-	-
	72	100.2	6.6	78.6	64.5	50.4	36.3	-	-	94.9	7.6	75.0	61.0	46.9	32.9	-	-
	67	99.5	6.6	89.2	76.9	64.6	50.5	36.3	-	92.7	7.6	84.5	72.9	61.2	47.1	32.9	-
	62	91.5	6.6	91.5	85.2	78.8	64.6	50.4	36.1	85.4	7.5	85.4	80.5	75.5	61.2	46.9	32.6
	57	83.4	6.5	83.4	83.4	83.4	78.7	64.4	50.1	78.1	7.5	78.1	78.1	78.1	74.5	59.3	44.0
3000	77	93.3	6.7	75.1	56.0	36.9	-	-	-	94.8	7.7	72.6	52.5	32.4	-	-	-
	72	102.7	6.7	85.2	69.3	53.3	37.4	-	-	99.8	7.6	81.1	65.2	49.3	33.4	-	-
	67	112.2	6.6	95.4	82.5	69.7	53.6	37.5	-	104.8	7.6	89.7	78.0	66.3	50.0	33.8	-
	62	96.2	6.6	96.2	91.3	86.1	69.8	53.6	37.4	89.5	7.6	89.5	86.7	83.2	66.6	50.1	33.5
	57	80.2	6.5	80.2	80.2	80.2	80.2	69.7	53.4	74.1	7.5	74.1	74.1	74.1	74.1	63.0	44.5
3375	72	105.3	6.7	91.8	74.0	56.2	38.4	-	-	104.7	7.7	87.3	69.5	51.7	33.9	-	-
	67	124.9	6.6	101.5	88.1	74.7	56.7	38.7	-	116.9	7.6	94.9	83.1	71.3	53.0	34.7	-
	62	100.9	6.6	100.9	97.4	93.3	75.1	56.9	38.7	93.5	7.6	93.5	92.8	91.0	72.1	53.2	34.3
	57	76.9	6.6	76.9	76.9	76.9	76.9	75.0	56.6	70.1	7.5	70.1	70.1	70.1	70.1	66.8	44.9
3750	72	107.8	6.7	98.4	78.8	59.1	39.4	-	-	109.5	7.7	93.5	73.8	54.1	34.4	-	-
	67	137.6	6.7	107.7	93.8	79.8	59.9	40.0	-	129.1	7.6	100.0	88.2	76.4	56.0	35.5	-
	62	105.6	6.6	105.6	103.5	100.5	80.3	60.1	39.9	97.6	7.6	97.6	97.6	97.6	77.5	56.3	35.1
	57	73.6	6.6	73.6	73.6	73.6	73.6	73.6	59.9	66.1	7.6	66.1	66.1	66.1	66.1	66.1	45.3
		115°F								125°F							
1875	77	87.6	8.7	48.2	40.0	31.9	-	-	-	73.3	9.7	45.3	37.9	30.4	-	-	-
	72	75.2	8.6	59.9	49.8	39.8	29.7	-	-	65.2	9.6	57.2	47.2	37.3	27.4	-	-
	67	62.8	8.5	62.8	59.6	47.7	38.1	28.5	-	57.2	9.4	57.2	56.6	44.2	35.0	25.9	-
	62	72.5	8.4	71.5	63.5	55.6	46.5	37.5	28.4	67.7	9.4	66.5	58.8	51.1	42.7	34.3	25.8
2250	77	90.5	8.7	55.5	43.0	30.5	-	-	-	81.5	9.7	52.7	40.4	28.0	-	-	-
	72	82.4	8.6	65.6	53.6	41.6	29.6	-	-	74.8	9.6	62.5	50.6	38.7	26.8	-	-
	67	74.4	8.5	74.4	64.2	52.7	40.9	29.0	-	68.1	9.5	68.1	60.7	49.3	37.7	26.0	-
	62	75.9	8.5	75.6	69.7	63.8	52.2	40.5	28.8	70.5	9.4	70.1	65.0	59.9	48.5	37.2	25.8
	57	77.4	8.4	75.4	75.2	74.9	63.4	51.9	40.4	72.8	9.4	68.1	68.1	68.1	59.4	48.3	37.1
2625	77	93.4	8.7	62.8	46.0	29.2	-	-	-	89.6	9.7	60.2	42.9	25.7	-	-	-
	72	89.6	8.6	71.4	57.4	43.5	29.6	-	-	84.3	9.6	67.7	53.9	40.0	26.2	-	-
	67	85.9	8.5	79.9	68.9	57.8	43.7	29.6	-	79.1	9.5	75.3	64.8	54.4	40.3	26.2	-
	62	79.3	8.5	79.3	75.9	72.1	57.8	43.5	29.2	73.2	9.5	73.2	71.2	68.8	54.4	40.1	25.7
	57	72.7	8.4	72.7	72.7	72.7	70.3	54.1	38.0	67.4	9.4	67.4	67.4	67.4	66.1	49.0	31.9
3000	77	96.2	8.7	70.1	49.0	27.8	-	-	-	97.7	9.7	67.7	45.5	23.3	-	-	-
	72	96.8	8.6	77.1	61.2	45.4	29.5	-	-	93.9	9.6	73.0	57.2	41.4	25.6	-	-
	67	97.4	8.6	84.0	73.5	62.9	46.5	30.1	-	90.1	9.5	78.4	68.9	59.5	42.9	26.3	-
	62	82.7	8.5	82.7	82.1	80.4	63.5	46.5	29.5	76.0	9.5	76.0	76.0	76.0	60.3	42.9	25.6
	57	68.0	8.5	68.0	68.0	68.0	68.0	56.4	35.6	61.9	9.5	61.9	61.9	61.9	61.9	49.7	26.7
3375	72	104.1	8.6	82.8	65.0	47.2	29.4	-	-	103.4	9.6	78.3	60.5	42.7	25.0	-	-
	67	109.0	8.6	88.2	78.1	68.0	49.3	30.6	-	101.0	9.6	81.5	73.0	64.6	45.5	26.5	-
	62	86.1	8.6	86.1	86.1	86.1	69.1	49.5	29.9	78.8	9.5	78.8	78.8	78.8	66.1	45.8	25.6
	57	63.3	8.5	63.3	63.3	63.3	63.3	58.6	33.2	56.5	9.5	56.5	56.5	56.5	56.5	50.4	21.5
3750	72	111.3	8.7	88.5	68.8	49.1	29.4	-	-	113.0	9.6	83.6	63.8	44.1	24.3	-	-
	67	120.5	8.6	92.3	82.7	73.0	52.1	31.1	-	112.0	9.6	84.6	77.1	69.7	48.2	26.7	-
	62	89.6	8.6	89.6	89.6	89.6	74.8	52.5	30.3	81.5	9.6	81.5	81.5	81.5	72.0	48.7	25.5
	57	58.6	8.5	58.6	58.6	58.6	58.6	58.6	30.8	51.1	9.5	51.1	51.1	51.1	51.1	51.1	16.2

WQE04 (3 ton) cooling capacities

The following tables detail the cooling capacities for WYE04 (3.0 ton).

Note:

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

Table 16: WQE04 (3 ton) 75°F to 85°F

Air On Evaporator Coil		Temperature of Air on Condenser Coil															
		Total Capacity (MBh)	Total Input (kW)	Sensible Capacity (MBh) Return Dry Bulb (°F)						Total Capacity (MBh)	Total Input (kW)	Sensible Capacity (MBh) Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
CFM	WB (°F)	75°F								85°F							
750	77	46.7	2.0	23.5	19.9	16.2	-	-	-	44.3	2.3	22.1	18.6	15.1	-	-	-
	72	42.4	2.0	28.0	24.0	20.1	16.1	-	-	40.0	2.3	26.8	22.9	19.0	15.1	-	-
	67	38.1	2.0	32.5	28.2	24.0	19.9	16.0	-	35.7	2.3	31.6	27.3	22.9	18.9	15.0	-
	62	34.8	2.0	34.8	32.3	27.9	23.3	19.9	15.9	32.4	2.3	32.4	31.5	26.9	22.5	18.8	14.7
900	77	47.5	2.0	26.4	21.5	16.6	-	-	-	45.0	2.3	25.3	20.5	15.7	-	-	-
	72	43.6	2.0	30.8	26.1	21.4	16.6	-	-	41.1	2.3	29.7	25.0	20.4	15.7	-	-
	67	39.6	2.0	33.8	30.7	26.1	21.3	16.6	-	37.2	2.3	31.5	29.6	25.0	20.3	15.6	-
	62	36.8	2.0	33.9	33.9	30.9	25.7	21.3	16.6	34.5	2.3	31.6	31.6	29.7	24.7	20.2	15.4
	57	34.0	2.0	34.0	34.0	34.0	30.9	26.1	21.2	31.9	2.3	31.9	31.9	31.9	29.6	24.7	19.9
1050	77	48.3	2.0	29.2	23.1	17.0	-	-	-	45.7	2.3	28.5	22.4	16.3	-	-	-
	72	44.7	2.0	33.6	28.1	22.7	17.2	-	-	42.2	2.3	32.6	27.1	21.7	16.2	-	-
	67	41.1	2.0	36.0	33.2	28.3	22.7	17.3	-	38.7	2.3	34.0	31.9	27.1	21.6	16.2	-
	62	38.8	2.0	36.4	36.4	33.9	28.0	22.8	17.3	36.6	2.3	34.3	34.3	32.6	26.9	21.5	16.0
	57	36.5	2.0	36.5	36.5	36.5	34.0	28.4	22.8	34.5	2.3	34.5	34.5	34.5	32.5	26.9	21.4
1200	77	49.1	2.1	32.1	24.8	17.5	-	-	-	46.4	2.3	31.7	24.3	16.8	-	-	-
	72	45.9	2.1	36.4	30.2	24.0	17.7	-	-	43.3	2.3	35.5	29.3	23.0	16.8	-	-
	67	42.6	2.0	38.5	35.6	30.5	24.1	17.9	-	40.2	2.3	37.0	34.2	29.2	23.0	16.7	-
	62	40.8	2.0	38.9	38.9	36.9	30.4	24.3	18.0	38.7	2.3	37.1	37.1	35.4	29.1	22.9	16.7
	57	39.0	2.0	39.0	39.0	39.0	37.1	30.7	24.4	37.2	2.3	37.2	37.2	37.2	35.4	29.1	22.8
1350	72	47.0	2.1	39.3	32.3	25.3	18.2	-	-	44.4	2.3	38.4	31.4	24.4	17.4	-	-
	67	44.1	2.0	41.0	38.1	32.6	25.5	18.5	-	41.7	2.3	39.6	36.5	31.3	24.3	17.3	-
	62	42.8	2.0	41.2	41.2	40.0	32.8	25.8	18.7	40.8	2.3	39.8	39.8	38.3	31.2	24.3	17.3
	57	41.4	2.0	41.4	41.4	41.4	40.2	33.1	25.9	39.9	2.3	39.9	39.9	39.9	38.3	31.3	24.3
1500	72	48.2	2.1	42.1	34.3	26.5	18.8	-	-	45.4	2.3	41.2	33.5	25.7	17.9	-	-
	67	45.6	2.0	43.5	40.6	34.8	27.0	19.1	-	43.2	2.3	42.4	38.8	33.4	25.7	17.9	-
	62	44.8	2.0	43.8	43.8	43.0	35.1	27.3	19.4	42.9	2.3	42.5	42.5	41.1	33.4	25.7	18.0
	57	43.9	2.0	43.9	43.9	43.9	43.3	35.4	27.5	42.6	2.3	42.6	42.6	42.6	41.2	33.5	25.8

Table 17: WQE04 (3 ton) 95°F to 125°F

Air On Evaporator Coil		Temperature of Air on Condenser Coil															
		Total Capacity (MBh)	Total Input (kW)	Sensible Capacity (MBh)						Total Capacity (MBh)	Total Input (kW)	Sensible Capacity (MBh)					
				Return Dry Bulb (°F)								Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
CFM	WB (°F)	95°F								105°F							
750	77	41.9	2.5	20.6	17.3	14.0	-	-	-	38.7	2.9	19.6	16.3	12.9	-	-	-
	72	37.6	2.5	25.7	21.8	18.0	14.1	-	-	34.9	2.9	24.8	20.8	16.9	12.9	-	-
	67	33.3	2.6	30.0	26.3	21.9	17.9	14.0	-	31.0	2.9	30.0	25.4	20.8	16.7	12.7	-
	62	30.1	2.6	30.1	30.1	25.8	21.8	17.7	13.6	29.0	2.9	29.0	28.9	24.7	20.6	16.4	12.3
900	77	42.5	2.6	24.2	19.5	14.8	-	-	-	39.1	2.9	23.0	18.2	13.4	-	-	-
	72	38.6	2.6	28.6	24.0	19.3	14.7	-	-	35.8	2.9	27.5	22.8	18.1	13.4	-	-
	67	34.8	2.6	29.0	28.5	23.9	19.2	14.5	-	32.4	2.9	29.0	27.3	22.8	18.0	13.2	-
	62	32.3	2.6	29.5	29.5	28.5	23.7	19.0	14.2	30.8	2.9	29.2	29.2	27.5	22.6	17.7	12.8
	57	29.7	2.6	29.7	29.7	29.7	28.3	23.4	18.6	29.3	2.9	29.3	29.3	29.3	27.2	22.2	17.2
1050	77	43.0	2.6	27.8	21.6	15.5	-	-	-	39.5	2.9	26.5	20.1	13.8	-	-	-
	72	39.7	2.6	31.6	26.1	20.7	15.3	-	-	36.7	2.9	30.1	24.7	19.3	13.8	-	-
	67	36.3	2.6	31.8	30.7	26.0	20.5	15.1	-	33.8	2.9	31.3	29.2	24.7	19.2	13.7	-
	62	34.4	2.6	32.0	32.0	31.2	25.7	20.3	14.8	32.7	2.9	31.4	31.4	30.2	24.6	18.9	13.3
	57	32.6	2.6	32.6	32.6	32.6	31.0	25.4	19.9	31.5	2.9	31.5	31.5	31.5	29.9	24.2	18.4
1200	77	43.6	2.6	31.4	23.8	16.2	-	-	-	39.9	2.9	29.9	22.1	14.2	-	-	-
	72	40.7	2.6	34.5	28.3	22.1	15.9	-	-	37.5	2.9	32.7	26.6	20.5	14.3	-	-
	67	37.8	2.6	35.0	32.8	28.0	21.8	15.6	-	35.2	2.9	33.0	31.1	26.7	20.4	14.2	-
	62	36.6	2.6	35.3	35.3	33.9	27.7	21.5	15.4	34.5	2.9	33.5	33.5	33.0	26.6	20.2	13.8
	57	35.5	2.6	35.5	35.5	35.5	33.6	27.5	21.3	33.8	2.9	33.8	33.8	33.8	32.7	26.2	19.6
1350	72	41.7	2.6	37.5	30.5	23.5	16.5	-	-	38.4	2.9	35.4	28.5	21.7	14.8	-	-
	67	39.2	2.6	38.2	35.0	30.0	23.1	16.2	-	36.6	2.9	36.0	33.0	28.7	21.7	14.7	-
	62	38.8	2.6	38.3	38.3	36.6	29.7	22.8	16.0	36.3	2.9	36.1	36.1	35.7	28.6	21.4	14.3
	57	38.4	2.6	38.4	38.4	38.4	36.3	29.5	22.7	36.1	2.9	36.1	36.1	36.1	35.4	28.1	20.9
1500	72	42.7	2.6	40.4	32.6	24.8	17.1	-	-	39.3	2.9	38.0	30.4	22.9	15.3	-	-
	67	42.0	2.6	41.1	37.1	32.1	24.4	16.7	-	38.6	2.9	38.0	34.9	30.6	22.9	15.2	-
	62	41.4	2.6	41.2	40.5	39.3	31.7	24.1	16.6	38.4	2.9	38.2	38.2	38.2	30.6	22.7	14.8
	57	41.3	2.6	41.3	41.3	41.3	39.0	31.6	24.1	38.3	2.9	38.3	38.3	38.3	38.2	30.1	22.1
		115°F								125°F							
750	77	35.5	3.3	18.6	15.2	11.8	-	-	-	32.3	3.7	17.6	14.1	10.7	-	-	-
	72	32.1	3.3	23.9	19.8	15.7	11.6	-	-	29.4	3.6	23.1	18.9	14.6	10.4	-	-
	67	28.8	3.3	28.0	24.5	19.7	15.5	11.3	-	27.0	3.6	26.5	23.6	18.6	14.3	10.0	-
	62	28.0	3.3	28.0	27.1	23.6	19.4	15.2	10.9	26.9	3.6	26.9	25.4	22.5	18.2	13.9	9.6
900	77	35.7	3.3	21.9	16.9	11.9	-	-	-	32.4	3.6	20.7	15.6	10.5	-	-	-
	72	32.9	3.3	26.3	21.5	16.8	12.0	-	-	30.0	3.6	25.1	20.3	15.5	10.7	-	-
	67	30.1	3.3	28.6	26.1	21.6	16.7	11.8	-	28.6	3.6	28.2	25.0	20.4	15.4	10.5	-
	62	29.4	3.3	28.9	28.9	26.4	21.4	16.4	11.4	28.5	3.6	28.3	27.3	25.4	20.2	15.1	9.9
	57	28.8	3.3	28.8	28.8	28.8	26.1	20.9	15.8	28.4	3.6	28.4	28.4	28.4	25.0	19.7	14.4
1050	77	35.9	3.3	25.2	18.6	12.1	-	-	-	32.4	3.6	23.9	17.1	10.4	-	-	-
	72	33.7	3.3	28.6	23.2	17.8	12.4	-	-	30.7	3.6	27.1	21.7	16.3	10.9	-	-
	67	31.4	3.3	30.0	27.8	23.5	17.9	12.3	-	29.6	3.6	29.2	26.3	22.3	16.6	10.9	-
	62	30.9	3.3	30.3	30.3	29.2	23.4	17.6	11.8	29.5	3.6	29.3	29.2	28.2	22.2	16.2	10.3
	57	30.4	3.3	30.4	30.4	30.4	28.9	22.9	16.9	29.4	3.6	29.4	29.4	29.4	27.9	21.6	15.3
1200	77	36.2	3.3	28.5	20.4	12.2	-	-	-	32.4	3.6	27.0	18.6	10.3	-	-	-
	72	34.4	3.3	30.9	24.9	18.8	12.8	-	-	31.3	3.6	29.1	23.2	17.2	11.2	-	-
	67	32.7	3.3	32.0	29.4	25.4	19.1	12.7	-	30.5	3.6	30.4	27.7	24.1	17.7	11.3	-
	62	32.4	3.3	32.1	32.1	32.0	25.4	18.8	12.2	30.4	3.6	30.4	30.4	30.4	24.2	17.4	10.6
	57	32.1	3.3	32.1	32.1	32.1	31.7	24.8	17.9	30.4	3.6	30.4	30.4	30.4	30.4	23.5	16.2
1350	72	35.2	3.3	33.3	26.6	19.9	13.1	-	-	31.9	3.6	31.2	24.6	18.0	11.5	-	-
	67	34.0	3.3	33.5	31.0	27.3	20.3	13.2	-	31.3	3.6	31.3	29.1	26.0	18.9	11.7	-
	62	33.8	3.3	33.6	33.6	33.6	27.4	20.0	12.6	31.3	3.6	31.3	31.3	31.3	26.2	18.6	10.9
	57	33.7	3.3	33.7	33.7	33.7	33.7	26.8	19.0	31.3	3.6	31.3	31.3	31.3	31.3	25.4	17.2
1500	72	35.9	3.2	35.6	28.2	20.9	13.5	-	-	32.5	3.6	32.5	26.0	18.9	11.8	-	-
	67	35.3	3.3	35.3	32.7	29.2	21.5	13.7	-	32.6	3.6	32.3	30.5	27.8	20.0	12.2	-
	62	35.3	3.3	35.3	35.3	35.3	29.4	21.2	13.0	32.4	3.6	32.3	32.3	32.3	28.2	19.7	11.2
	57	35.3	3.3	35.3	35.3	35.3	35.3	28.7	20.1	32.3	3.6	32.3	32.3	32.3	32.3	27.3	18.1

WQE05 (4 ton) cooling capacities

The following tables detail the cooling capacities for WQE05 (4 ton).

Note:

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

Table 18: WQE05 (4 ton) 75°F to 85°F

Air On Evaporator Coil		Temperature of Air on Condenser Coil															
		Total Capacity (MBh)	Total Input (kW)	Sensible Capacity (MBh) Return Dry Bulb (°F)						Total Capacity (MBh)	Total Input (kW)	Sensible Capacity (MBh) Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
CFM	WB (°F)	75°F								85°F							
1875	77	127.3	5.5	63.3	53.4	43.5	-	-	-	120.6	6.2	58.7	49.4	40.1	-	-	-
	72	114.9	5.5	73.3	63.0	52.7	42.4	-	-	108.0	6.2	70.1	60.1	50.0	39.9	-	-
	67	102.5	5.5	83.4	72.7	62.0	52.1	42.1	-	95.3	6.2	81.6	70.7	59.8	49.8	39.7	-
	62	90.3	5.4	90.3	84.6	71.2	61.8	52.0	42.5	86.9	6.2	86.9	81.3	69.7	59.7	49.6	39.6
2250	77	129.4	5.5	69.3	57.1	44.8	-	-	-	121.9	6.2	66.0	53.7	41.5	-	-	-
	72	117.5	5.5	80.5	68.3	56.1	43.9	-	-	110.4	6.2	77.4	65.3	53.2	41.1	-	-
	67	105.6	5.4	91.7	79.6	67.4	55.6	43.6	-	98.9	6.2	88.8	76.9	65.0	53.0	40.9	-
	62	96.4	5.4	96.4	90.8	78.8	67.2	55.4	43.7	92.4	6.2	92.4	87.1	76.7	64.8	52.8	40.8
	57	87.1	5.4	87.1	87.1	87.1	78.6	67.2	55.8	86.0	6.2	86.0	86.0	86.0	76.5	64.6	52.7
2625	77	131.6	5.5	75.4	60.8	46.2	-	-	-	123.2	6.2	73.3	58.1	42.8	-	-	-
	72	120.2	5.5	87.7	73.6	59.6	45.5	-	-	112.9	6.2	84.6	70.6	56.5	42.4	-	-
	67	108.8	5.4	100.0	86.5	72.9	59.1	45.1	-	102.6	6.2	96.0	83.1	70.1	56.2	42.1	-
	62	102.5	5.4	102.5	96.9	86.3	72.7	58.8	45.0	97.9	6.2	97.9	92.9	83.8	69.9	55.9	42.0
	57	96.3	5.4	96.3	96.3	96.3	86.1	72.4	58.8	93.3	6.2	93.3	93.3	93.3	83.6	69.7	55.8
3000	77	133.7	5.5	81.5	64.5	47.5	-	-	-	124.5	6.2	80.6	62.4	44.2	-	-	-
	72	122.9	5.5	94.9	78.9	63.0	47.0	-	-	115.4	6.2	91.9	75.8	59.8	43.7	-	-
	67	112.0	5.4	108.3	93.4	78.4	62.6	46.6	-	106.2	6.2	103.2	89.2	75.3	59.3	43.3	-
	62	108.7	5.4	108.7	103.0	93.9	78.1	62.1	46.2	103.4	6.2	103.4	98.7	90.8	75.0	59.0	43.1
	57	105.4	5.4	105.4	105.4	105.4	93.5	77.6	61.8	100.6	6.2	100.6	100.6	100.6	90.6	74.8	59.0
3375	72	125.5	5.5	102.0	84.2	66.4	48.6	-	-	117.8	6.2	99.1	81.1	63.0	45.0	-	-
	67	115.2	5.4	115.2	100.2	83.9	66.0	48.1	-	109.9	6.2	109.9	95.4	80.5	62.5	44.5	-
	62	114.8	5.4	114.8	109.1	101.5	83.5	65.5	47.5	108.9	6.2	108.9	104.5	97.9	80.1	62.2	44.3
	57	114.5	5.4	111.7	111.7	111.7	100.9	82.9	64.8	108.0	6.2	108.0	108.0	108.0	97.6	79.8	62.1
3750	72	128.2	5.5	109.2	89.5	69.8	50.1	-	-	120.3	6.2	106.4	86.3	66.3	46.2	-	-
	67	122.0	5.4	122.0	107.1	89.4	69.5	49.6	-	113.5	6.2	113.5	101.6	85.6	65.7	45.8	-
	62	121.0	5.4	121.0	115.2	109.0	88.9	68.8	48.8	114.4	6.2	114.4	110.2	105.0	85.2	65.3	45.5
	57	120.0	5.4	118.0	118.0	118.0	108.3	88.1	67.8	114.0	6.3	113.5	113.5	113.5	104.6	84.9	65.2

Table 19: WQE05 (4 ton) 95°F to 125°F

Air On Evaporator Coil		Temperature of Air on Condenser Coil															
		Total Capacity (MBh)	Total Input (kW)	Sensible Capacity (MBh) Return Dry Bulb (°F)						Total Capacity (MBh)	Total Input (kW)	Sensible Capacity (MBh) Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
CFM	WB (°F)	95°F								105°F							
1000	77	59.3	3.5	29.2	24.0	18.9	-	-	-	55.5	4.0	27.0	22.2	17.5	-	-	-
	72	53.2	3.5	35.1	29.6	24.1	18.7	-	-	49.3	4.0	33.5	28.0	22.5	17.0	-	-
	67	47.1	3.5	41.0	35.2	29.4	23.9	18.3	-	43.2	3.9	40.0	33.8	27.6	22.1	16.6	-
	62	43.5	3.5	43.5	41.3	34.7	29.1	23.4	17.8	41.1	3.9	41.1	38.5	32.6	27.1	21.6	16.1
1200	77	60.2	3.5	32.6	25.9	19.3	-	-	-	56.0	4.0	30.8	24.3	17.8	-	-	-
	72	54.5	3.5	38.8	32.3	25.7	19.2	-	-	50.5	4.0	37.0	30.5	24.0	17.5	-	-
	67	48.8	3.5	43.0	38.6	32.2	25.6	18.9	-	45.1	4.0	42.0	36.7	30.3	23.7	17.1	-
	62	46.3	3.5	43.5	43.5	38.7	31.9	25.2	18.4	43.6	4.0	42.1	41.5	36.5	29.9	23.3	16.6
	57	43.9	3.5	43.9	43.9	43.9	38.3	31.4	24.5	42.2	4.0	42.2	42.2	42.2	36.1	29.4	22.7
1400	77	61.1	3.5	35.9	27.8	19.7	-	-	-	56.5	4.0	34.7	26.4	18.0	-	-	-
	72	55.8	3.5	42.5	34.9	27.3	19.7	-	-	51.7	4.0	40.6	33.0	25.5	18.0	-	-
	67	50.4	3.5	47.0	42.0	35.0	27.2	19.5	-	47.0	4.0	45.0	39.7	33.0	25.3	17.7	-
	62	49.2	3.5	47.6	47.4	42.6	34.7	26.9	19.0	46.2	4.0	45.4	44.5	40.4	32.7	24.9	17.2
	57	47.9	3.5	47.9	47.9	47.9	42.2	34.2	26.2	45.5	4.0	45.5	45.5	45.5	40.0	32.2	24.3
1600	77	62.0	3.5	39.3	29.7	20.1	-	-	-	57.0	4.0	38.5	28.4	18.3	-	-	-
	72	57.0	3.5	46.1	37.5	28.9	20.3	-	-	52.9	4.0	44.1	35.5	27.0	18.4	-	-
	67	52.1	3.5	52.0	45.4	37.7	28.9	20.1	-	48.8	4.0	48.5	42.6	35.6	26.9	18.2	-
	62	52.0	3.5	52.0	50.5	46.5	37.6	28.6	19.6	48.8	4.0	48.6	47.4	44.3	35.4	26.6	17.7
	57	52.0	3.5	52.0	52.0	52.0	46.2	37.1	27.9	48.7	4.0	48.7	48.7	48.7	43.9	34.9	25.9
1800	72	58.3	3.5	49.8	40.2	30.5	20.8	-	-	54.1	4.0	47.6	38.0	28.5	18.9	-	-
	67	56.0	3.5	56.0	48.7	40.5	30.6	20.7	-	53.0	4.0	51.5	45.6	38.3	28.5	18.8	-
	62	56.0	3.5	56.0	53.5	50.4	40.4	30.3	20.3	52.6	4.0	51.9	50.4	48.2	38.2	28.2	18.2
	57	56.0	3.5	56.0	56.0	56.0	50.1	39.9	29.7	52.0	4.0	52.0	52.0	52.0	47.9	37.7	27.5
2000	72	59.6	3.5	53.5	42.8	32.1	21.4	-	-	55.3	4.0	51.2	40.5	29.9	19.3	-	-
	67	56.4	3.5	56.4	52.1	43.2	32.3	21.3	-	54.1	4.0	52.8	48.5	41.0	30.2	19.3	-
	62	56.6	3.5	56.5	56.5	54.4	43.2	32.0	20.9	55.0	4.0	52.9	52.9	52.1	41.0	29.9	18.7
	57	58.0	3.5	56.5	56.5	56.5	54.1	42.7	31.4	55.3	4.0	53.0	53.0	53.0	51.8	40.4	29.0
		115°F								125°F							
1000	77	51.6	4.5	24.8	20.4	16.1	-	-	-	47.8	5.0	22.6	18.6	14.7	-	-	-
	72	45.5	4.5	31.8	26.4	20.9	15.4	-	-	41.6	5.0	30.2	24.7	19.3	13.8	-	-
	67	39.3	4.4	38.5	32.3	25.7	20.3	14.9	-	37.0	4.9	37.0	30.8	23.8	18.5	13.2	-
	62	38.6	4.4	38.6	35.8	30.5	25.2	19.8	14.5	36.2	4.9	36.2	33.0	28.4	23.2	18.0	12.8
1200	77	51.8	4.5	29.1	22.7	16.2	-	-	-	47.6	5.0	27.4	21.1	14.7	-	-	-
	72	46.6	4.5	35.2	28.8	22.3	15.8	-	-	42.6	5.0	33.5	27.0	20.6	14.1	-	-
	67	41.4	4.4	40.0	34.8	28.3	21.8	15.4	-	39.4	4.9	39.4	33.0	26.4	20.0	13.6	-
	62	40.9	4.4	40.2	38.6	34.4	27.9	21.4	14.9	39.0	4.9	39.0	35.8	32.2	25.9	19.5	13.1
	57	40.5	4.4	40.5	40.5	40.4	33.9	27.4	20.9	38.8	4.9	38.8	38.6	38.1	31.7	25.4	19.1
1400	77	51.9	4.5	33.5	24.9	16.4	-	-	-	47.3	5.0	32.2	23.5	14.7	-	-	-
	72	47.7	4.5	38.6	31.1	23.7	16.2	-	-	43.7	5.0	36.7	29.3	21.8	14.4	-	-
	67	43.5	4.4	42.8	37.4	31.0	23.4	15.8	-	41.3	4.9	41.2	35.1	29.0	21.5	14.0	-
	62	43.2	4.4	42.9	41.5	38.2	30.6	23.0	15.3	41.0	4.9	41.0	38.6	36.1	28.5	21.0	13.4
	57	43.0	4.4	43.0	43.0	43.0	37.8	30.1	22.4	40.5	4.9	40.5	40.5	40.5	35.6	28.0	20.4
1600	77	52.0	4.5	37.8	27.2	16.5	-	-	-	47.1	5.0	37.1	25.9	14.7	-	-	-
	72	48.8	4.5	42.0	33.5	25.0	16.6	-	-	44.7	5.0	40.0	31.5	23.1	14.7	-	-
	67	45.6	4.4	45.5	39.9	33.6	24.9	16.3	-	42.3	4.9	42.2	37.2	31.5	22.9	14.4	-
	62	45.5	4.4	45.5	44.4	42.1	33.3	24.5	15.7	42.3	4.9	42.2	41.3	39.9	31.2	22.5	13.8
	57	45.5	4.4	45.5	45.5	45.5	41.7	32.8	23.8	42.2	4.9	42.2	42.2	42.2	39.5	30.6	21.7
1800	72	49.9	4.5	45.4	35.9	26.4	16.9	-	-	45.7	5.0	43.2	33.8	24.4	15.0	-	-
	67	48.9	4.5	47.6	42.4	36.2	26.5	16.8	-	44.7	5.0	43.9	39.3	34.1	24.4	14.8	-
	62	58.5	4.5	48.0	47.2	46.0	36.0	26.1	16.1	44.3	4.9	44.0	44.0	43.8	33.9	24.0	14.1
	57	48.0	4.5	48.0	48.0	48.0	45.6	35.4	25.3	44.0	4.9	44.0	44.0	44.0	43.3	33.2	23.1
2000	72	51.1	4.5	48.8	38.3	27.8	17.3	-	-	46.8	5.0	46.5	36.1	25.7	15.3	-	-
	67	50.6	4.5	49.0	45.0	38.8	28.0	17.2	-	47.0	5.0	45.3	41.4	36.6	25.9	15.2	-
	62	50.5	4.5	49.3	49.3	49.3	38.8	27.7	16.6	46.3	5.0	45.6	45.6	45.6	36.5	25.5	14.4
	57	50.5	4.5	49.6	49.6	49.6	49.5	38.1	26.7	45.7	4.9	45.7	45.7	45.7	45.7	35.8	24.4

WQE06 (5 ton) cooling capacities

The following tables detail the cooling capacities for WQE06 (5 ton).

Note:

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

Table 20: WQE06 (5 ton) 75°F to 85°F

Air On Evaporator Coil		Temperature of Air on Condenser Coil															
		Total Capacity (MBh)	Total Input (kW)	Sensible Capacity (MBh) Return Dry Bulb (°F)						Total Capacity (MBh)	Total Input (kW)	Sensible Capacity (MBh) Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
CFM	WB (°F)	75°F								85°F							
1250	77	82.2	3.4	38.8	33.3	27.8	-	-	-	76.3	3.9	35.9	31.0	26.1	-	-	-
	72	74.0	3.4	47.0	40.5	34.1	27.6	-	-	68.2	3.9	44.8	38.4	32.1	25.7	-	-
	67	65.7	3.4	55.2	47.8	40.4	33.7	27.2	-	60.2	3.8	53.6	45.9	38.1	31.6	25.1	-
	62	60.3	3.4	60.3	54.2	46.7	38.9	33.1	26.4	55.6	3.9	55.6	51.1	44.1	36.9	30.7	24.0
1500	77	82.6	3.4	43.6	35.9	28.1	-	-	-	76.6	3.9	41.3	33.8	26.3	-	-	-
	72	75.2	3.4	51.6	43.8	35.9	28.1	-	-	69.5	3.9	49.4	41.6	33.9	26.1	-	-
	67	67.8	3.4	58.0	51.7	43.8	35.7	27.7	-	62.5	3.9	54.5	49.5	41.5	33.5	25.6	-
	62	63.2	3.4	58.5	58.2	51.6	42.6	35.2	27.0	58.7	3.9	54.8	54.8	49.1	40.5	32.8	24.6
	57	58.7	3.4	58.7	58.7	58.7	51.1	42.7	34.3	54.9	3.9	54.9	54.9	54.9	48.3	40.0	31.7
1750	77	82.9	3.4	48.5	38.4	28.4	-	-	-	76.8	3.9	46.7	36.6	26.5	-	-	-
	72	76.4	3.4	56.3	47.0	37.8	28.6	-	-	70.8	3.9	54.0	44.8	35.6	26.4	-	-
	67	69.8	3.4	61.3	55.6	47.2	37.7	28.3	-	64.8	3.9	58.0	53.1	44.8	35.4	26.0	-
	62	66.2	3.4	62.0	62.0	56.6	46.3	37.3	27.6	61.8	3.9	58.5	58.5	54.0	44.1	34.8	25.3
	57	62.6	3.4	62.6	62.6	62.6	56.1	46.3	36.4	58.7	3.9	58.7	58.7	58.7	53.4	43.6	33.9
2000	77	83.3	3.4	53.4	41.0	28.7	-	-	-	77.1	3.9	52.1	39.4	26.7	-	-	-
	72	77.6	3.4	60.9	50.3	39.7	29.0	-	-	72.1	3.9	58.6	48.0	37.4	26.8	-	-
	67	71.8	3.4	65.0	59.6	50.6	39.7	28.9	-	67.1	3.9	61.8	56.7	48.1	37.3	26.5	-
	62	69.1	3.4	65.4	65.4	61.6	50.0	39.3	28.2	64.9	3.9	62.0	62.0	58.9	47.7	36.9	25.9
	57	66.5	3.4	66.5	66.5	66.5	61.2	49.8	38.5	62.6	3.9	62.6	62.6	62.6	58.4	47.3	36.1
2250	72	78.8	3.4	65.6	53.6	41.5	29.5	-	-	73.4	3.9	63.3	51.2	39.2	27.1	-	-
	67	73.8	3.4	70.0	63.5	54.0	41.7	29.4	-	69.5	3.9	66.0	60.3	51.5	39.2	27.0	-
	62	72.1	3.4	70.3	70.3	66.5	53.8	41.4	28.9	67.9	3.9	66.3	66.3	63.8	51.3	39.0	26.6
	57	70.4	3.4	70.4	70.4	70.4	66.2	53.4	40.6	66.4	3.9	66.4	66.4	66.4	63.5	50.9	38.3
2500	72	80.0	3.4	70.2	56.8	43.4	30.0	-	-	74.7	3.9	67.9	54.4	41.0	27.5	-	-
	67	75.9	3.4	74.0	67.4	57.4	43.7	30.0	-	71.8	3.9	70.0	63.9	54.8	41.2	27.5	-
	62	75.0	3.4	74.1	74.1	71.5	57.5	43.5	29.5	71.0	3.9	70.1	70.1	68.7	54.8	41.0	27.2
	57	74.2	3.4	74.2	74.2	74.2	71.2	57.0	42.7	70.2	3.9	70.2	70.2	70.2	68.5	54.5	40.5

Table 21: WQE06 (5 ton) 95°F to 125°F

Air On Evaporator Coil		Temperature of Air on Condenser Coil															
		Total Capacity (MBh)	Total Input (kW)	Sensible Capacity (MBh)						Total Capacity (MBh)	Total Input (kW)	Sensible Capacity (MBh)					
				Return Dry Bulb (°F)								Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
CFM	WB (°F)	95°F								105°F							
1250	77	70.5	4.4	33.0	28.7	24.3	-	-	-	64.8	5.0	31.5	26.7	22.0	-	-	-
	72	62.5	4.4	42.6	36.3	30.1	23.9	-	-	57.2	5.0	40.8	34.3	27.8	21.2	-	-
	67	54.6	4.3	50.5	44.0	35.9	29.4	23.0	-	49.7	5.0	48.0	41.8	33.5	27.0	20.4	-
	62	50.9	4.4	50.9	48.0	41.6	35.0	28.3	21.6	48.0	5.0	48.0	44.9	39.3	32.7	26.1	19.6
1500	77	70.6	4.4	38.9	31.7	24.4	-	-	-	65.0	5.0	37.1	29.4	21.7	-	-	-
	72	63.9	4.4	47.2	39.5	31.8	24.1	-	-	58.7	5.0	44.9	37.1	29.3	21.4	-	-
	67	57.2	4.3	49.8	47.3	39.1	31.3	23.4	-	52.3	5.0	49.0	44.8	36.8	28.8	20.8	-
	62	54.1	4.4	51.0	51.0	46.5	38.4	30.4	22.3	50.9	5.0	49.3	48.7	44.3	36.2	28.1	19.9
	57	51.0	4.5	51.0	51.0	51.0	45.6	37.3	29.1	49.4	5.0	49.4	49.4	49.4	43.5	35.3	27.1
1750	77	70.7	4.4	44.9	34.7	24.6	-	-	-	65.2	5.0	42.7	32.1	21.5	-	-	-
	72	65.3	4.4	51.8	42.6	33.5	24.3	-	-	60.1	5.0	49.1	39.9	30.8	21.6	-	-
	67	59.8	4.4	54.0	50.5	42.4	33.1	23.8	-	55.0	5.0	52.0	47.7	40.0	30.6	21.2	-
	62	57.3	4.4	54.5	54.5	51.3	41.9	32.4	22.9	53.7	5.0	52.3	52.3	49.2	39.6	30.0	20.3
	57	54.8	4.4	54.8	54.8	54.8	50.6	41.0	31.4	52.4	5.0	52.4	52.4	52.4	48.6	38.7	28.9
2000	77	70.8	4.4	50.8	37.7	24.7	-	-	-	65.4	5.0	48.3	34.8	21.3	-	-	-
	72	66.6	4.4	56.4	45.8	35.2	24.5	-	-	61.5	5.0	53.2	42.7	32.3	21.8	-	-
	67	62.5	4.4	58.0	53.8	45.7	34.9	24.2	-	57.6	5.0	55.0	50.6	43.2	32.4	21.6	-
	62	60.6	4.4	58.4	58.4	56.2	45.3	34.5	23.6	56.5	5.0	55.3	55.3	54.2	43.0	31.9	20.7
	57	58.6	4.4	58.6	58.6	58.6	55.7	44.7	33.7	55.4	5.0	55.4	55.4	55.4	53.6	42.2	30.7
2250	72	68.0	4.4	61.0	48.9	36.8	24.8	-	-	62.9	5.0	57.4	45.6	33.8	22.0	-	-
	67	65.1	4.4	62.0	57.1	48.9	36.8	24.6	-	60.3	5.0	58.0	53.6	46.4	34.2	22.0	-
	62	63.8	4.4	62.3	62.3	61.0	48.7	36.5	24.3	59.3	5.0	58.3	58.3	58.3	46.4	33.8	21.1
	57	62.4	4.4	62.4	62.4	62.4	60.7	48.4	36.1	58.4	5.0	58.4	58.4	58.4	58.4	45.6	32.5
2500	72	69.4	4.4	65.6	52.0	38.5	25.0	-	-	64.3	5.0	61.5	48.4	35.3	22.1	-	-
	67	67.7	4.4	66.0	60.4	52.2	38.6	25.0	-	62.9	5.0	62.9	56.5	49.7	36.0	22.4	-
	62	67.0	4.4	66.2	66.2	65.8	52.2	38.6	24.9	62.2	5.0	62.2	62.2	62.2	49.9	35.7	21.5
	57	66.3	4.4	66.3	66.3	66.3	65.8	52.1	38.4	61.4	5.0	61.4	61.4	61.4	61.4	49.0	34.3
		115°F								125°F							
1250	77	59.0	5.7	30.0	24.8	19.6	-	-	-	53.3	6.3	28.5	22.8	17.2	-	-	-
	72	51.9	5.6	39.0	32.2	25.4	18.6	-	-	46.6	6.3	37.3	30.2	23.0	15.9	-	-
	67	44.8	5.6	44.8	39.7	31.2	24.5	17.9	-	43.0	6.3	42.0	37.5	28.9	22.1	15.3	-
	62	45.2	5.6	45.2	41.9	37.0	30.5	24.0	17.5	42.3	6.2	42.3	38.8	34.7	28.3	21.8	15.4
1500	77	59.3	5.7	35.3	27.2	19.0	-	-	-	53.7	6.3	33.5	24.9	16.3	-	-	-
	72	53.4	5.7	42.7	34.7	26.7	18.7	-	-	48.2	6.3	40.5	32.3	24.2	16.0	-	-
	67	47.5	5.6	47.5	42.3	34.4	26.3	18.2	-	47.0	6.3	42.3	39.8	32.0	23.8	15.7	-
	62	47.7	5.6	47.7	45.6	42.1	33.9	25.8	17.6	46.5	6.2	42.4	42.4	39.9	31.7	23.5	15.3
	57	47.7	5.6	47.7	47.7	47.7	41.5	33.3	25.1	46.1	6.2	42.4	42.4	42.4	39.5	31.3	23.0
1750	77	59.6	5.7	40.6	29.6	18.5	-	-	-	54.1	6.3	38.5	27.0	15.5	-	-	-
	72	54.9	5.7	46.4	37.2	28.0	18.9	-	-	49.7	6.3	43.7	34.5	25.3	16.1	-	-
	67	50.1	5.6	49.5	44.9	37.6	28.1	18.6	-	48.0	6.3	45.0	42.0	35.2	25.6	16.0	-
	62	50.0	5.6	49.8	49.3	47.1	37.3	27.5	17.7	47.8	6.3	45.1	45.1	45.0	35.1	25.1	15.1
	57	49.9	5.6	49.9	49.9	49.9	46.6	36.4	26.3	47.5	6.2	45.2	45.2	45.2	44.5	34.2	23.8
2000	77	59.9	5.7	45.9	31.9	18.0	-	-	-	54.4	6.3	43.5	29.1	14.6	-	-	-
	72	56.3	5.7	50.1	39.7	29.4	19.0	-	-	51.2	6.3	46.9	36.7	26.5	16.2	-	-
	67	52.8	5.7	52.0	47.5	40.8	29.9	19.0	-	50.0	6.3	47.6	44.3	38.3	27.3	16.4	-
	62	52.5	5.6	52.1	52.1	52.1	40.7	29.3	17.8	48.9	6.3	47.7	47.7	47.7	38.4	26.7	15.0
	57	52.2	5.6	52.2	52.2	52.2	51.6	39.6	27.6	48.9	6.2	47.9	47.9	47.9	47.9	37.1	24.6
2250	72	57.8	5.7	53.7	42.2	30.7	19.1	-	-	52.7	6.3	50.1	38.9	27.6	16.3	-	-
	67	55.4	5.7	54.0	50.1	44.0	31.6	19.3	-	50.6	6.3	50.1	46.6	41.5	29.1	16.7	-
	62	54.9	5.6	54.3	54.3	54.3	44.1	31.1	18.0	50.5	6.3	50.2	50.2	50.2	41.8	28.3	14.8
	57	54.4	5.6	54.4	54.4	54.4	54.4	42.8	28.9	50.3	6.3	50.3	50.3	50.3	50.3	40.0	25.3
2500	72	59.3	5.7	57.4	44.7	32.0	19.3	-	-	54.2	6.3	53.3	41.0	28.7	16.4	-	-
	67	58.1	5.7	56.4	52.7	47.1	33.4	19.7	-	53.2	6.3	51.5	48.9	44.6	30.8	17.0	-
	62	57.3	5.7	56.5	56.5	56.5	47.6	32.8	18.1	52.5	6.3	51.7	51.7	51.7	45.2	30.0	14.7
	57	56.6	5.6	56.6	56.6	56.6	56.6	45.9	30.2	51.8	6.3	51.8	51.8	51.8	51.8	42.9	26.1

WXEA7 (6 ton) cooling capacities

The following tables detail the cooling capacities for WYEA7 (6 ton).

Note:

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

Table 22: WXEA7 (6 ton) 75°F to 85°F

Air On Evaporator Coil		Temperature of Air on Condenser Coil															
		Total Capacity (MBh)	Total Input (kW)	Sensible Capacity (MBh) Return Dry Bulb (°F)						Total Capacity (MBh)	Total Input (kW)	Sensible Capacity (MBh) Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
CFM	WB (°F)	75°F								85°F							
1500	77	93.8	4.6	45.7	39.4	33.2	-	-	-	90.2	5.1	43.3	37.0	30.6	-	-	-
	72	84.4	4.5	56.0	48.0	40.0	32.0	-	-	81.1	5.0	53.9	45.9	37.8	29.8	-	-
	67	75.0	4.3	66.4	56.6	46.8	39.5	31.6	-	72.0	4.9	64.5	54.8	45.0	37.5	29.7	-
	62	71.2	4.2	71.2	63.5	53.6	45.8	39.3	32.2	68.9	4.8	68.9	62.1	52.2	44.6	37.7	30.4
1800	77	94.9	4.6	52.1	42.6	33.1	-	-	-	90.4	5.1	50.1	40.3	30.6	-	-	-
	72	86.7	4.5	61.6	51.9	42.2	32.4	-	-	82.6	5.0	59.4	49.7	39.9	30.2	-	-
	67	78.5	4.4	71.1	61.2	51.3	42.0	32.3	-	74.8	4.9	68.8	59.0	49.2	39.8	30.2	-
	62	75.3	4.3	75.3	68.6	60.4	50.6	41.9	32.6	71.6	4.8	71.6	66.7	58.5	49.0	39.9	30.7
	57	72.2	4.2	72.2	72.2	69.5	60.4	51.4	42.4	68.4	4.8	68.4	68.4	67.8	58.8	49.7	40.7
2100	77	96.0	4.6	58.6	45.8	32.9	-	-	-	90.6	5.1	56.9	43.7	30.6	-	-	-
	72	88.9	4.5	67.2	55.8	44.3	32.9	-	-	84.1	5.0	64.9	53.5	42.0	30.5	-	-
	67	81.9	4.4	75.8	65.8	55.7	44.5	32.9	-	77.7	4.9	73.0	63.2	53.4	42.1	30.6	-
	62	79.5	4.4	79.5	73.6	67.1	55.4	44.4	33.0	74.3	4.9	74.3	71.2	64.8	53.3	42.2	30.9
	57	77.0	4.3	77.0	77.0	75.6	67.2	55.9	44.6	71.0	4.8	71.0	71.0	71.0	65.0	53.8	42.6
2400	77	97.0	4.6	65.1	49.0	32.8	-	-	-	90.8	5.1	63.7	47.1	30.5	-	-	-
	72	91.2	4.5	72.8	59.7	46.5	33.3	-	-	85.7	5.0	70.5	57.3	44.0	30.8	-	-
	67	85.4	4.4	80.6	70.4	60.2	47.0	33.6	-	80.5	5.0	77.2	67.4	57.5	44.4	31.1	-
	62	83.6	4.4	83.4	78.7	73.9	60.2	47.0	33.5	77.0	4.9	77.0	75.8	71.0	57.6	44.5	31.2
	57	81.8	4.4	81.8	81.8	81.8	74.0	60.3	46.7	73.6	4.9	73.6	73.6	73.6	71.2	57.9	44.6
2700	72	93.5	4.5	78.4	63.6	48.7	33.8	-	-	87.2	5.0	76.0	61.0	46.1	31.2	-	-
	67	88.8	4.5	85.3	75.0	64.7	49.5	34.2	-	83.3	5.0	81.5	71.6	61.7	46.6	31.5	-
	62	87.7	4.5	86.8	83.7	80.7	65.0	49.5	33.9	79.7	5.0	79.7	79.7	77.3	62.0	46.8	31.5
	57	86.7	4.4	86.0	86.0	86.0	80.8	64.8	48.9	76.1	5.0	76.1	76.1	76.1	76.1	62.1	46.6
3000	72	95.7	4.6	84.1	67.5	50.8	34.2	-	-	88.7	5.1	81.5	64.8	48.2	31.5	-	-
	67	92.2	4.5	90.0	79.6	69.2	52.0	34.8	-	86.1	5.0	85.7	75.8	65.9	48.9	32.0	-
	62	91.9	4.5	90.1	88.8	87.5	69.8	52.1	34.4	82.4	5.0	82.4	82.4	82.4	66.3	49.1	31.8
	57	91.5	4.5	90.2	90.2	90.2	87.5	69.3	51.0	78.7	5.0	78.7	78.7	78.7	78.7	66.2	48.6

Table 23: WXEA7 (6 ton) 95°F to 125°F

Air On Evaporator Coil		Temperature of Air on Condenser Coil															
		Total Capacity (MBh)	Total Input (kW)	Sensible Capacity (MBh) Return Dry Bulb (°F)						Total Capacity (MBh)	Total Input (kW)	Sensible Capacity (MBh) Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
CFM	WB (°F)	95°F								105°F							
1500	77	86.7	5.7	40.9	34.5	28.1	-	-	-	78.5	6.4	39.1	32.9	26.8	-	-	-
	72	77.8	5.5	51.8	43.7	35.7	27.6	-	-	71.3	6.3	50.1	41.9	33.7	25.5	-	-
	67	69.0	5.4	62.6	53.0	43.3	35.5	27.8	-	64.0	6.1	61.0	50.8	40.6	32.9	25.2	-
	62	66.7	5.3	66.7	60.7	50.9	43.5	36.0	28.6	62.4	6.1	62.4	56.2	47.5	40.3	33.2	26.0
1800	77	86.0	5.6	48.0	38.1	28.1	-	-	-	78.4	6.4	45.8	35.9	26.1	-	-	-
	72	78.6	5.5	57.2	47.4	37.7	27.9	-	-	72.4	6.3	54.9	45.1	35.3	25.5	-	-
	67	71.2	5.4	66.4	56.8	47.2	37.6	28.1	-	66.3	6.2	64.0	54.3	44.6	35.0	25.5	-
	62	68.0	5.4	68.0	64.8	56.7	47.3	38.0	28.7	64.0	6.1	64.0	60.5	53.8	44.5	35.2	26.0
	57	64.7	5.3	64.7	64.7	64.7	57.1	48.0	38.9	61.8	6.1	61.8	61.8	61.8	54.0	45.0	36.0
2100	77	85.3	5.6	55.1	41.7	28.2	-	-	-	78.3	6.4	52.5	38.9	25.4	-	-	-
	72	79.4	5.5	62.6	51.1	39.6	28.1	-	-	73.4	6.3	59.7	48.3	36.9	25.6	-	-
	67	73.4	5.5	70.2	60.6	51.0	39.7	28.3	-	68.5	6.2	67.0	57.7	48.5	37.1	25.7	-
	62	69.2	5.4	69.2	68.9	62.4	51.2	40.0	28.8	65.7	6.2	65.7	64.8	60.1	48.7	37.3	25.9
	57	65.0	5.4	65.0	65.0	65.0	62.8	51.8	40.7	62.8	6.1	62.8	62.8	62.8	60.3	48.9	37.5
2400	77	84.6	5.6	62.2	45.3	28.3	-	-	-	78.3	6.3	59.1	41.9	24.7	-	-	-
	72	80.1	5.6	68.1	54.8	41.6	28.3	-	-	74.5	6.3	64.5	51.6	38.6	25.6	-	-
	67	75.6	5.5	73.9	64.4	54.9	41.7	28.6	-	70.7	6.2	69.9	61.2	52.5	39.2	26.0	-
	62	70.4	5.5	70.4	70.4	68.2	55.1	42.0	29.0	67.3	6.2	67.3	67.3	66.4	52.9	39.4	25.9
	57	65.3	5.4	65.3	65.3	65.3	65.3	55.5	42.6	63.8	6.2	63.8	63.8	63.8	63.8	52.8	39.1
2700	72	80.9	5.6	73.5	58.5	43.5	28.6	-	-	75.6	6.3	69.4	54.8	40.2	25.6	-	-
	67	77.8	5.5	77.7	68.2	58.7	43.8	28.8	-	73.0	6.3	72.9	64.6	56.4	41.3	26.2	-
	62	71.7	5.5	71.7	71.7	71.7	59.0	44.1	29.1	68.9	6.2	68.9	68.9	68.9	57.1	41.5	25.9
	57	65.6	5.5	65.6	65.6	65.6	65.6	59.3	44.4	64.8	6.2	64.8	64.8	64.8	64.8	56.7	40.6
3000	72	81.6	5.6	78.9	62.2	45.5	28.8	-	-	76.6	6.3	74.2	58.0	41.8	25.6	-	-
	67	80.0	5.6	80.0	72.0	62.6	45.8	29.1	-	75.2	6.3	75.2	68.1	60.4	43.4	26.5	-
	62	72.9	5.5	72.9	72.9	72.9	62.9	46.1	29.3	70.5	6.3	70.5	70.5	70.5	61.2	43.6	25.9
	57	65.8	5.5	65.8	65.8	65.8	65.8	63.1	46.2	65.8	6.3	65.8	65.8	65.8	65.8	60.6	42.2
		115°F								125°F							
1500	77	70.4	7.2	37.3	31.4	25.5	-	-	-	62.2	7.9	35.5	29.8	24.2	-	-	-
	72	64.8	7.0	48.4	40.0	31.7	23.4	-	-	58.2	7.8	46.7	38.2	29.7	21.2	-	-
	67	59.1	6.9	59.1	48.7	37.9	30.3	22.7	-	54.2	7.6	54.2	46.6	35.2	27.7	20.1	-
	62	58.2	6.9	58.2	51.7	44.2	37.2	30.3	23.4	53.9	7.6	53.6	47.2	40.8	34.1	27.4	20.8
1800	77	70.9	7.1	43.5	33.8	24.0	-	-	-	63.3	7.9	41.3	31.6	21.9	-	-	-
	72	66.1	7.0	52.6	42.8	33.0	23.2	-	-	59.9	7.8	50.3	40.5	30.6	20.8	-	-
	67	61.4	6.9	61.4	51.8	42.0	32.4	22.9	-	56.5	7.6	56.5	49.3	39.4	29.9	20.3	-
	62	60.1	6.9	60.1	56.2	51.0	41.7	32.4	23.2	56.2	7.7	55.8	52.0	48.1	38.9	29.7	20.4
	57	58.9	6.9	58.9	58.9	58.9	51.0	42.0	33.0	56.0	7.7	52.5	52.5	52.5	47.9	39.0	30.1
2100	77	71.4	7.1	49.8	36.2	22.5	-	-	-	64.4	7.9	47.1	33.4	19.7	-	-	-
	72	67.5	7.0	56.8	45.5	34.3	23.0	-	-	61.6	7.8	53.9	42.7	31.6	20.5	-	-
	67	63.6	6.9	63.6	54.9	46.0	34.6	23.2	-	58.8	7.7	58.8	52.0	43.5	32.1	20.6	-
	62	62.1	6.9	62.1	60.8	57.7	46.2	34.6	23.0	58.6	7.7	58.1	56.8	55.4	43.6	31.9	20.1
	57	60.6	6.9	60.6	60.6	60.6	57.8	46.0	34.3	58.4	7.7	55.6	55.6	55.6	55.2	43.2	31.1
2400	77	71.9	7.1	56.1	38.6	21.1	-	-	-	65.5	7.8	53.0	35.2	17.4	-	-	-
	72	68.9	7.0	61.0	48.3	35.5	22.8	-	-	63.3	7.8	57.5	45.0	32.5	20.1	-	-
	67	65.9	7.0	65.9	58.0	50.0	36.7	23.4	-	61.0	7.7	61.0	54.8	47.6	34.2	20.9	-
	62	64.1	7.0	64.1	64.1	64.1	50.6	36.7	22.9	60.9	7.7	60.3	60.3	60.3	48.4	34.1	19.8
	57	62.3	6.9	62.3	62.3	62.3	62.3	50.1	35.6	60.8	7.7	58.8	58.8	58.8	58.8	47.3	32.1
2700	72	70.3	7.0	65.2	51.0	36.8	22.6	-	-	65.0	7.8	61.0	47.3	33.5	19.7	-	-
	67	68.1	7.0	68.1	61.1	54.1	38.9	23.7	-	63.3	7.7	63.3	57.5	51.8	36.4	21.1	-
	62	66.1	7.0	66.1	66.1	66.1	55.1	38.9	22.7	63.3	7.7	62.6	62.6	62.6	53.2	36.3	19.5
	57	64.0	7.0	64.0	64.0	64.0	64.0	54.1	36.9	63.2	7.7	61.9	61.9	61.9	61.9	51.5	33.1
3000	72	71.6	7.0	69.4	53.8	38.1	22.5	-	-	66.6	7.8	64.6	49.5	34.4	19.3	-	-
	67	70.4	7.0	70.2	64.2	58.1	41.0	23.9	-	65.6	7.8	64.6	60.2	55.9	38.6	21.4	-
	62	68.1	7.0	68.1	68.1	68.1	59.6	41.1	22.5	65.6	7.7	64.8	64.8	64.8	58.0	38.5	19.1
	57	65.7	7.0	65.7	65.7	65.7	65.7	58.2	38.2	65.6	7.7	65.0	65.0	65.0	65.0	55.7	34.2

WXE08 (7.5 ton) cooling capacities

The following tables detail the cooling capacities for WXE08 (7.5 ton).

Note:

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

Table 24: WXE08 (7.5 ton) 75°F to 85°F

Air On Evaporator Coil		Temperature of Air on Condenser Coil															
		Total Capacity (MBh)	Total Input (kW)	Sensible Capacity (MBh) Return Dry Bulb (°F)						Total Capacity (MBh)	Total Input (kW)	Sensible Capacity (MBh) Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
CFM	WB (°F)	75°F								85°F							
1875	77	127.3	5.5	63.3	53.4	43.5	-	-	-	120.6	6.2	58.7	49.4	40.1	-	-	-
	72	114.9	5.5	73.3	63.0	52.7	42.4	-	-	108.0	6.2	70.1	60.1	50.0	39.9	-	-
	67	102.5	5.5	83.4	72.7	62.0	52.1	42.1	-	95.3	6.2	81.6	70.7	59.8	49.8	39.7	-
	62	90.3	5.4	90.3	84.6	71.2	61.8	52.0	42.5	86.9	6.2	86.9	81.3	69.7	59.7	49.6	39.6
2250	77	129.4	5.5	69.3	57.1	44.8	-	-	-	121.9	6.2	66.0	53.7	41.5	-	-	-
	72	117.5	5.5	80.5	68.3	56.1	43.9	-	-	110.4	6.2	77.4	65.3	53.2	41.1	-	-
	67	105.6	5.4	91.7	79.6	67.4	55.6	43.6	-	98.9	6.2	88.8	76.9	65.0	53.0	40.9	-
	62	96.4	5.4	96.4	90.8	78.8	67.2	55.4	43.7	92.4	6.2	92.4	87.1	76.7	64.8	52.8	40.8
	57	87.1	5.4	87.1	87.1	87.1	78.6	67.2	55.8	86.0	6.2	86.0	86.0	86.0	76.5	64.6	52.7
2625	77	131.6	5.5	75.4	60.8	46.2	-	-	-	123.2	6.2	73.3	58.1	42.8	-	-	-
	72	120.2	5.5	87.7	73.6	59.6	45.5	-	-	112.9	6.2	84.6	70.6	56.5	42.4	-	-
	67	108.8	5.4	100.0	86.5	72.9	59.1	45.1	-	102.6	6.2	96.0	83.1	70.1	56.2	42.1	-
	62	102.5	5.4	102.5	96.9	86.3	72.7	58.8	45.0	97.9	6.2	97.9	92.9	83.8	69.9	55.9	42.0
	57	96.3	5.4	96.3	96.3	96.3	86.1	72.4	58.8	93.3	6.2	93.3	93.3	93.3	83.6	69.7	55.8
3000	77	133.7	5.5	81.5	64.5	47.5	-	-	-	124.5	6.2	80.6	62.4	44.2	-	-	-
	72	122.9	5.5	94.9	78.9	63.0	47.0	-	-	115.4	6.2	91.9	75.8	59.8	43.7	-	-
	67	112.0	5.4	108.3	93.4	78.4	62.6	46.6	-	106.2	6.2	103.2	89.2	75.3	59.3	43.3	-
	62	108.7	5.4	108.7	103.0	93.9	78.1	62.1	46.2	103.4	6.2	103.4	98.7	90.8	75.0	59.0	43.1
	57	105.4	5.4	105.4	105.4	105.4	93.5	77.6	61.8	100.6	6.2	100.6	100.6	100.6	90.6	74.8	59.0
3375	72	125.5	5.5	102.0	84.2	66.4	48.6	-	-	117.8	6.2	99.1	81.1	63.0	45.0	-	-
	67	115.2	5.4	115.2	100.2	83.9	66.0	48.1	-	109.9	6.2	109.9	95.4	80.5	62.5	44.5	-
	62	114.8	5.4	114.8	109.1	101.5	83.5	65.5	47.5	108.9	6.2	108.9	104.5	97.9	80.1	62.2	44.3
	57	114.5	5.4	111.7	111.7	111.7	100.9	82.9	64.8	108.0	6.2	108.0	108.0	108.0	97.6	79.8	62.1
3750	72	128.2	5.5	109.2	89.5	69.8	50.1	-	-	120.3	6.2	106.4	86.3	66.3	46.2	-	-
	67	122.0	5.4	122.0	107.1	89.4	69.5	49.6	-	113.5	6.2	113.5	101.6	85.6	65.7	45.8	-
	62	121.0	5.4	121.0	115.2	109.0	88.9	68.8	48.8	114.4	6.2	114.4	110.2	105.0	85.2	65.3	45.5
	57	120.0	5.4	118.0	118.0	118.0	108.3	88.1	67.8	114.0	6.3	113.5	113.5	113.5	104.6	84.9	65.2

Table 25: WXE08 (7.5 ton) 95°F to 125°F

Air On Evaporator Coil		Temperature of Air on Condenser Coil															
		Total Capacity (MBh)	Total Input (kW)	Sensible Capacity (MBh) Return Dry Bulb (°F)						Total Capacity (MBh)	Total Input (kW)	Sensible Capacity (MBh) Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
CFM	WB (°F)	95°F								105°F							
1875	77	114.0	6.9	54.1	45.4	36.7	-	-	-	106.2	8.0	51.5	43.2	35.0	-	-	-
	72	101.0	6.9	67.0	57.1	47.2	37.3	-	-	94.7	8.0	64.7	54.7	44.7	34.7	-	-
	67	88.1	7.0	79.8	68.8	57.7	47.5	37.3	-	83.2	8.0	77.8	66.1	54.5	44.5	34.5	-
	62	83.6	7.0	83.6	78.0	68.1	57.7	47.2	36.7	80.1	8.0	80.1	73.8	64.2	54.2	44.2	34.3
2250	77	114.4	6.9	62.6	50.4	38.1	-	-	-	106.4	8.0	60.2	48.0	35.7	-	-	-
	72	103.3	7.0	74.3	62.3	50.3	38.3	-	-	96.7	8.0	71.6	59.6	47.6	35.6	-	-
	67	92.2	7.0	85.9	74.2	62.5	50.4	38.2	-	87.0	8.0	83.0	71.3	59.5	47.4	35.4	-
	62	88.5	7.0	88.5	83.5	74.7	62.4	50.1	37.8	84.5	8.1	84.5	79.4	71.4	59.3	47.2	35.1
	57	84.8	7.0	84.8	84.8	84.8	74.4	62.0	49.6	81.9	8.1	81.9	81.9	81.9	71.1	59.0	46.9
2625	77	114.9	6.9	71.2	55.4	39.5	-	-	-	106.6	8.0	68.9	52.7	36.4	-	-	-
	72	105.6	7.0	81.6	67.5	53.4	39.3	-	-	98.8	8.1	78.6	64.5	50.5	36.4	-	-
	67	96.3	7.0	92.0	79.7	67.3	53.2	39.1	-	90.9	8.1	88.3	76.4	64.5	50.4	36.2	-
	62	93.3	7.0	93.3	88.9	81.2	67.1	53.0	38.9	88.9	8.1	88.9	85.0	78.5	64.3	50.1	35.9
	57	90.3	7.0	90.3	90.3	90.3	81.1	66.9	52.8	86.8	8.1	86.8	86.8	86.8	78.3	64.1	49.8
3000	77	115.3	7.0	79.8	60.3	40.9	-	-	-	106.9	8.1	77.6	57.4	37.1	-	-	-
	72	107.9	7.0	88.9	72.7	56.5	40.3	-	-	100.9	8.1	85.6	69.5	53.3	37.2	-	-
	67	100.4	7.0	98.0	85.1	72.2	56.1	40.1	-	94.8	8.1	93.5	81.5	69.5	53.3	37.1	-
	62	98.2	7.0	98.2	94.4	87.8	71.9	56.0	40.1	93.2	8.1	93.2	90.6	85.7	69.4	53.1	36.8
	57	95.9	7.0	95.9	95.9	95.9	87.7	71.9	56.1	91.7	8.1	91.7	91.7	91.7	85.5	69.1	52.7
3375	72	110.2	7.0	96.2	77.9	59.7	41.4	-	-	102.9	8.1	92.5	74.4	56.2	38.0	-	-
	67	104.5	7.0	104.1	90.6	77.0	59.0	41.0	-	98.7	8.1	98.7	86.6	74.5	56.2	38.0	-
	62	103.0	7.0	103.0	99.8	94.4	76.6	58.9	41.2	97.6	8.1	97.6	96.2	92.9	74.5	56.0	37.6
	57	101.5	7.1	101.5	101.5	101.5	94.3	76.8	59.4	96.6	8.1	96.6	96.6	96.6	92.7	74.1	55.6
3750	72	112.4	7.0	103.6	83.2	62.8	42.4	-	-	105.0	8.1	99.5	79.3	59.1	38.9	-	-
	67	108.7	7.0	108.7	96.0	81.8	61.9	41.9	-	102.6	8.1	102.6	91.8	79.6	59.2	38.8	-
	62	107.9	7.1	107.9	105.3	100.9	81.4	61.8	42.3	102.0	8.1	102.0	101.8	100.0	79.5	59.0	38.5
	57	107.1	7.1	107.1	107.1	107.1	100.9	81.8	62.7	101.5	8.2	101.5	101.5	101.5	99.8	79.2	58.5
		115°F								125°F							
1875	77	98.3	9.1	48.9	41.1	33.2	-	-	-	90.5	10.2	46.4	38.9	31.4	-	-	-
	72	88.3	9.1	62.4	52.3	42.2	32.2	-	-	81.9	10.2	60.1	49.9	39.7	29.6	-	-
	67	78.3	9.1	75.8	63.5	51.2	41.5	31.7	-	73.4	10.1	73.4	60.9	48.0	38.5	28.9	-
	62	76.6	9.1	76.6	69.6	60.3	50.8	41.3	31.8	73.0	10.1	73.0	65.4	56.3	47.4	38.4	29.4
2250	77	98.4	9.1	57.8	45.5	33.3	-	-	-	90.3	10.3	55.4	43.1	30.8	-	-	-
	72	90.1	9.1	69.0	56.9	44.9	32.8	-	-	83.6	10.2	66.3	54.2	42.1	30.0	-	-
	67	81.9	9.1	80.2	68.3	56.5	44.5	32.5	-	76.8	10.1	76.8	65.4	53.4	41.5	29.6	-
	62	80.5	9.1	80.5	75.3	68.0	56.2	44.3	32.4	76.5	10.2	76.5	71.3	64.7	53.0	41.4	29.7
	57	79.0	9.1	79.0	79.0	79.0	67.8	56.0	44.3	76.2	10.2	76.2	76.2	76.0	64.5	53.1	41.6
2625	77	98.4	9.2	66.6	50.0	33.3	-	-	-	90.2	10.3	64.4	47.3	30.2	-	-	-
	72	92.0	9.1	75.6	61.5	47.5	33.4	-	-	85.2	10.2	72.6	58.6	44.5	30.5	-	-
	67	85.6	9.1	84.6	73.1	61.7	47.5	33.3	-	80.2	10.2	80.2	69.8	58.8	44.6	30.4	-
	62	84.4	9.1	84.4	81.1	75.8	61.5	47.2	33.0	79.9	10.2	79.9	77.1	73.1	58.7	44.3	30.0
	57	83.3	9.1	83.3	83.3	83.3	75.6	61.2	46.8	79.7	10.2	79.7	79.7	79.7	72.8	58.3	43.7
3000	77	98.4	9.2	75.5	54.4	33.4	-	-	-	90.0	10.3	73.3	51.5	29.6	-	-	-
	72	93.8	9.2	82.2	66.2	50.1	34.1	-	-	86.8	10.2	78.9	62.9	46.9	31.0	-	-
	67	89.2	9.1	89.0	77.9	66.9	50.5	34.1	-	83.6	10.2	83.6	74.3	64.2	47.7	31.2	-
	62	88.3	9.1	88.3	86.8	83.6	66.9	50.2	33.5	83.4	10.2	83.4	83.0	81.5	64.4	47.3	30.2
	57	87.5	9.2	87.5	87.5	87.5	83.3	66.3	49.3	83.2	10.2	83.2	83.2	83.2	81.1	63.5	45.9
3375	72	95.7	9.2	88.8	70.8	52.8	34.7	-	-	88.4	10.3	85.1	67.2	49.3	31.4	-	-
	67	92.8	9.2	92.8	82.7	72.1	53.5	34.9	-	87.0	10.2	87.0	78.8	69.6	50.7	31.9	-
	62	92.3	9.2	92.3	92.3	91.4	72.3	53.2	34.1	86.9	10.2	86.9	86.9	86.9	70.1	50.3	30.5
	57	91.7	9.2	91.7	91.7	91.7	91.0	71.4	51.8	86.7	10.2	86.7	86.7	86.7	86.7	68.7	48.0
3750	72	97.5	9.2	95.5	75.4	55.4	35.4	-	-	90.0	10.3	90.0	71.6	51.7	31.9	-	-
	67	96.5	9.2	96.5	87.5	77.3	56.5	35.7	-	90.4	10.3	90.4	83.2	75.0	53.8	32.7	-
	62	96.2	9.2	96.2	96.2	96.2	77.6	56.1	34.6	90.3	10.3	90.3	90.3	90.3	75.8	53.3	30.8
	57	95.9	9.2	95.9	95.9	95.9	95.9	76.5	54.3	90.3	10.3	90.3	90.3	90.3	90.3	73.9	50.1

WXE09 (8.5 ton) cooling capacities

The following tables detail the cooling capacities for WXE09 (8.5 ton).

Note:

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

Table 26: WXE09 (8.5 ton) 75°F to 85°F

Air On Evaporator Coil		Temperature of Air on Condenser Coil															
		Total Capacity (MBh)	Total Input (kW)	Sensible Capacity (MBh) Return Dry Bulb (°F)						Total Capacity (MBh)	Total Input (kW)	Sensible Capacity (MBh) Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
CFM	WB (°F)	75°F								85°F							
2125	77	138.1	6.0	67.1	56.8	46.5	-	-	-	128.8	6.8	64.4	54.3	44.3	-	-	-
	72	125.2	5.9	81.0	69.6	58.2	46.8	-	-	117.5	6.8	78.3	66.9	55.4	44.0	-	-
	67	112.3	5.8	94.8	82.4	69.9	57.9	46.4	-	106.2	6.7	92.2	79.4	66.6	54.9	43.5	-
	62	103.2	5.8	103.2	93.0	81.6	67.1	57.5	45.4	98.9	6.7	98.9	89.1	77.7	64.8	54.3	42.6
2550	77	140.8	6.0	74.8	61.2	47.6	-	-	-	131.4	6.8	72.8	59.0	45.2	-	-	-
	72	128.7	5.9	88.6	75.1	61.6	48.1	-	-	121.0	6.8	85.9	72.3	58.7	45.1	-	-
	67	116.6	5.9	102.3	88.9	75.5	61.5	47.9	-	110.6	6.7	98.9	85.6	72.2	58.4	44.8	-
	62	109.1	5.8	109.1	99.7	89.4	73.4	61.2	47.1	104.5	6.7	104.5	95.7	85.7	70.9	58.1	44.2
	57	101.6	5.8	101.6	101.6	101.6	89.0	74.6	60.2	98.5	6.7	98.5	98.5	98.5	85.3	71.4	57.4
2975	77	143.5	6.0	82.5	65.6	48.8	-	-	-	134.0	6.8	81.2	63.6	46.0	-	-	-
	72	132.2	5.9	96.1	80.5	65.0	49.4	-	-	124.5	6.8	93.4	77.7	61.9	46.2	-	-
	67	120.9	5.9	109.7	95.4	81.1	65.1	49.4	-	115.0	6.7	105.7	91.8	77.8	61.9	46.1	-
	62	115.0	5.9	115.0	106.3	97.3	79.7	65.0	48.9	110.2	6.7	110.2	102.2	93.7	77.1	61.8	45.9
	57	109.1	5.8	109.1	109.1	109.1	97.1	80.6	64.2	105.3	6.7	105.3	105.3	105.3	93.6	77.6	61.5
3400	77	146.2	6.0	90.2	70.1	49.9	-	-	-	136.6	6.8	89.6	68.2	46.9	-	-	-
	72	135.7	5.9	103.7	86.0	68.3	50.7	-	-	128.0	6.8	101.0	83.1	65.2	47.2	-	-
	67	125.3	5.9	117.1	101.9	86.7	68.7	50.9	-	119.4	6.7	112.5	98.0	83.4	65.4	47.5	-
	62	121.0	5.9	120.8	113.0	105.1	86.0	68.8	50.6	115.8	6.7	115.8	108.8	101.7	83.2	65.6	47.6
	57	116.7	5.9	116.7	116.7	116.7	105.1	86.7	68.3	112.2	6.7	112.2	112.2	112.2	101.9	83.8	65.7
3825	72	139.2	6.0	111.2	91.5	71.7	52.0	-	-	131.5	6.8	108.6	88.5	68.4	48.3	-	-
	67	129.6	5.9	124.6	108.5	92.4	72.3	52.4	-	123.7	6.7	119.2	104.2	89.1	68.9	48.8	-
	62	126.9	5.9	126.3	119.7	113.0	92.3	72.6	52.4	121.4	6.7	120.8	115.3	109.7	89.3	69.4	49.2
	57	124.3	5.9	124.1	124.1	124.1	113.2	92.8	72.3	119.0	6.7	119.0	119.0	119.0	110.2	90.0	69.8
4250	72	142.8	6.0	118.8	96.9	75.1	53.3	-	-	135.0	6.8	116.2	93.9	71.6	49.4	-	-
	67	133.9	5.9	132.0	115.0	98.0	75.9	53.9	-	128.1	6.8	126.0	110.4	94.7	72.4	50.1	-
	62	132.9	5.9	131.8	126.3	120.8	98.6	76.4	54.1	127.0	6.8	125.9	121.8	117.7	95.5	73.2	50.9
	57	131.8	5.9	131.6	131.6	131.6	121.3	98.8	76.4	125.9	6.8	125.8	125.8	125.8	118.5	96.2	73.9

Table 27: WXE09 (8.5 ton) 95°F to 125°F

Air On Evaporator Coil		Temperature of Air on Condenser Coil															
		Total Capacity (MBh)	Total Input (kW)	Sensible Capacity (MBh) Return Dry Bulb (°F)						Total Capacity (MBh)	Total Input (kW)	Sensible Capacity (MBh) Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
CFM	WB (°F)	95°F								105°F							
2125	77	119.5	7.7	61.6	51.9	42.1	-	-	-	112.3	8.7	59.7	50.0	40.3	-	-	-
	72	109.8	7.6	75.6	64.1	52.7	41.3	-	-	103.1	8.7	73.1	61.6	50.1	38.6	-	-
	67	100.2	7.5	89.5	76.4	63.3	51.9	40.5	-	93.9	8.6	86.6	73.3	60.0	48.8	37.5	-
	62	94.7	7.5	94.7	85.3	73.8	62.5	51.1	39.8	90.2	8.6	90.2	80.7	69.9	58.9	47.9	37.0
2550	77	122.0	7.7	70.7	56.7	42.7	-	-	-	114.2	8.7	68.5	54.3	40.1	-	-	-
	72	113.3	7.6	83.2	69.5	55.8	42.1	-	-	106.1	8.7	80.2	66.5	52.9	39.2	-	-
	67	104.6	7.6	95.6	82.3	68.9	55.3	41.7	-	98.0	8.6	91.8	78.7	65.6	52.1	38.6	-
	62	100.0	7.5	100.0	91.7	82.0	68.4	54.9	41.3	94.9	8.6	94.9	87.0	78.3	64.9	51.6	38.2
	57	95.4	7.5	95.4	95.4	95.1	81.6	68.1	54.7	91.8	8.6	91.8	91.8	91.0	77.8	64.6	51.3
2975	77	124.5	7.6	79.8	61.5	43.2	-	-	-	116.1	8.7	77.4	58.7	40.0	-	-	-
	72	116.8	7.6	90.8	74.8	58.9	42.9	-	-	109.1	8.7	87.2	71.4	55.6	39.8	-	-
	67	109.0	7.6	101.7	88.1	74.5	58.7	42.8	-	102.1	8.7	97.0	84.1	71.1	55.4	39.6	-
	62	105.3	7.5	105.3	98.1	90.2	74.4	58.7	42.9	99.6	8.6	99.6	93.3	86.7	70.9	55.2	39.4
	57	101.5	7.5	101.5	101.5	101.5	90.1	74.5	58.9	97.2	8.6	97.2	97.2	97.2	86.5	70.8	55.1
3400	77	127.0	7.6	88.9	66.4	43.8	-	-	-	118.0	8.7	86.2	63.0	39.9	-	-	-
	72	120.3	7.6	98.4	80.2	62.0	43.8	-	-	112.1	8.7	94.2	76.2	58.3	40.3	-	-
	67	113.5	7.6	107.8	94.0	80.1	62.1	44.0	-	106.3	8.7	102.2	89.4	76.7	58.6	40.6	-
	62	110.6	7.6	110.6	104.5	98.3	80.4	62.4	44.5	104.4	8.7	104.1	99.6	95.1	76.9	58.8	40.7
	57	107.6	7.6	107.6	107.6	107.6	98.7	80.9	63.1	102.5	8.7	102.5	102.5	102.5	95.3	77.0	58.8
3825	72	123.7	7.6	106.0	85.5	65.1	44.6	-	-	115.1	8.7	101.2	81.1	61.0	40.9	-	-
	67	117.9	7.6	113.9	99.8	85.8	65.5	45.2	-	110.4	8.7	107.4	94.8	82.2	61.9	41.6	-
	62	115.8	7.6	115.4	110.9	106.5	86.3	66.2	46.1	109.1	8.7	108.3	105.9	103.5	83.0	62.4	41.9
	57	113.8	7.6	113.8	113.8	113.8	107.2	87.2	67.3	107.9	8.7	107.9	107.9	107.9	104.0	83.2	62.5
4250	72	127.2	7.6	113.6	90.9	68.1	45.4	-	-	118.1	8.8	108.2	86.0	63.7	41.5	-	-
	67	122.3	7.6	120.0	105.7	91.4	68.9	46.3	-	114.5	8.7	112.6	100.2	87.8	65.2	42.6	-
	62	121.1	7.6	120.0	117.3	114.6	92.3	70.0	47.6	113.9	8.7	112.6	112.2	111.9	89.0	66.0	43.1
	57	119.9	7.6	119.9	119.9	119.9	115.8	93.6	71.5	113.3	8.7	112.6	112.6	112.6	112.6	89.5	66.2
		115°F								125°F							
2125	77	105.1	9.8	57.7	48.1	38.4	-	-	-	97.9	10.8	55.8	46.1	36.5	-	-	-
	72	96.3	9.7	70.7	59.2	47.6	36.0	-	-	89.5	10.8	68.3	56.7	45.0	33.4	-	-
	67	87.5	9.6	83.7	70.2	56.8	45.7	34.6	-	81.2	10.7	80.8	67.2	53.6	42.6	31.7	-
	62	85.6	9.6	85.6	76.0	66.0	55.4	44.8	34.2	81.0	10.7	80.7	71.4	62.1	51.8	41.6	31.4
2550	77	106.4	9.8	66.3	51.9	37.6	-	-	-	98.5	10.9	64.1	49.6	35.0	-	-	-
	72	98.9	9.7	77.1	63.5	49.9	36.3	-	-	91.6	10.8	74.1	60.6	47.0	33.4	-	-
	67	91.4	9.7	88.0	75.1	62.3	48.9	35.5	-	84.8	10.8	84.2	71.6	59.0	45.7	32.4	-
	62	89.8	9.7	89.8	82.2	74.6	61.4	48.2	35.1	84.7	10.8	84.1	77.5	70.9	57.9	44.9	31.9
	57	88.2	9.7	88.2	88.2	87.0	74.0	61.0	48.0	84.6	10.8	84.0	83.5	82.9	70.2	57.4	44.7
2975	77	107.6	9.8	74.9	55.8	36.8	-	-	-	99.2	10.9	72.4	53.0	33.6	-	-	-
	72	101.4	9.8	83.6	67.9	52.3	36.6	-	-	93.7	10.9	80.0	64.5	49.0	33.5	-	-
	67	95.2	9.7	92.3	80.0	67.8	52.0	36.3	-	88.3	10.8	87.5	76.0	64.4	48.7	33.1	-
	62	94.0	9.7	93.7	88.5	83.2	67.5	51.7	35.9	88.4	10.8	87.5	83.6	79.8	64.0	48.2	32.5
	57	92.8	9.7	92.8	92.8	92.8	82.9	67.1	51.3	88.5	10.8	87.4	87.4	87.4	79.3	63.4	47.5
3400	77	108.9	9.8	83.5	59.7	36.0	-	-	-	99.9	10.9	80.7	56.4	32.1	-	-	-
	72	104.0	9.8	90.0	72.3	54.6	36.9	-	-	95.8	10.9	85.8	68.4	50.9	33.5	-	-
	67	99.0	9.8	96.5	84.9	73.2	55.2	37.2	-	91.8	10.9	90.9	80.4	69.8	51.8	33.8	-
	62	98.2	9.8	97.5	94.7	91.9	73.5	55.2	36.8	92.1	10.9	90.9	89.8	88.6	70.1	51.5	33.0
	57	97.4	9.8	97.4	97.4	97.4	91.8	73.2	54.5	92.3	10.9	90.9	90.9	90.9	88.4	69.3	50.2
3825	72	106.5	9.9	96.4	76.7	57.0	37.2	-	-	97.9	11.0	91.7	72.3	52.9	33.5	-	-
	67	102.9	9.8	100.8	89.8	78.7	58.4	38.1	-	95.3	11.0	94.3	84.7	75.2	54.9	34.5	-
	62	102.5	9.8	101.3	100.9	100.5	79.6	58.6	37.7	95.8	10.9	94.3	94.3	94.3	76.2	54.9	33.6
	57	102.1	9.8	101.8	101.8	101.8	100.7	79.2	57.7	96.2	10.9	94.3	94.3	94.3	94.3	75.2	52.9
4250	72	109.1	9.9	102.9	81.1	59.3	37.5	-	-	100.0	11.0	97.5	76.2	54.9	33.6	-	-
	67	106.7	9.9	105.1	94.7	84.2	61.6	38.9	-	98.9	11.0	97.7	89.1	80.6	57.9	35.2	-
	62	106.7	9.9	105.1	105.1	105.1	85.6	62.1	38.6	99.5	11.0	97.7	97.7	97.7	82.3	58.2	34.1
	57	106.7	9.8	105.1	105.1	105.1	105.1	85.3	60.9	100.1	10.9	97.7	97.7	97.7	97.7	81.1	55.7

WXE12 (10 ton) cooling capacities

The following tables detail the cooling capacities for WXE12 (10 ton).

Note:

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

Table 28: WXE12 (10 ton) 75°F to 85°F

Air On Evaporator Coil		Temperature of Air on Condenser Coil															
		Total Capacity (MBh)	Total Input (kW)	Sensible Capacity (MBh) Return Dry Bulb (°F)						Total Capacity (MBh)	Total Input (kW)	Sensible Capacity (MBh) Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
CFM	WB (°F)	75°F								85°F							
2500	77	155.6	7.3	77.0	66.0	55.1	-	-	-	148.9	8.3	73.9	53.5	33.2	-	-	-
	72	141.9	7.2	94.2	81.0	67.8	54.6	-	-	134.9	8.1	91.1	77.6	64.1	50.6	-	-
	67	128.2	7.0	111.4	95.9	80.5	67.6	54.6	-	120.9	8.0	108.3	101.6	94.9	72.8	50.7	-
	62	117.6	6.9	117.6	107.7	93.2	78.3	67.8	55.1	113.3	7.9	113.3	113.3	113.3	93.9	64.2	33.4
3000	77	157.9	7.3	87.4	71.6	55.8	-	-	-	149.9	8.3	84.4	60.9	37.5	-	-	-
	72	145.6	7.2	103.5	87.6	71.7	55.9	-	-	137.8	8.2	100.2	84.0	67.9	51.8	-	-
	67	133.2	7.1	119.6	103.6	87.7	71.8	55.9	-	125.8	8.0	115.9	107.2	98.4	75.2	52.0	-
	62	124.5	7.0	124.5	116.0	103.6	85.9	71.8	55.9	119.5	8.0	119.5	119.5	119.5	97.6	68.2	37.9
	57	115.7	6.9	115.7	115.7	115.7	103.6	87.7	71.8	113.3	7.9	113.3	113.3	113.3	113.3	84.4	47.0
3500	77	160.2	7.3	97.7	77.1	56.6	-	-	-	150.9	8.3	94.9	68.3	41.8	-	-	-
	72	149.2	7.2	112.8	94.3	75.7	57.1	-	-	140.8	8.2	109.2	90.5	71.8	53.1	-	-
	67	138.3	7.2	127.9	111.4	94.9	76.1	57.2	-	130.7	8.1	123.6	112.7	101.9	77.6	53.3	-
	62	131.3	7.1	131.3	124.2	114.0	93.6	75.8	56.8	125.8	8.1	125.8	125.8	125.8	101.4	72.2	42.4
	57	124.4	7.0	124.4	124.4	124.4	113.8	94.5	75.1	120.8	8.0	120.8	120.8	120.8	120.8	91.1	55.7
4000	77	162.4	7.3	108.1	82.7	57.3	-	-	-	151.9	8.3	105.5	75.7	46.0	-	-	-
	72	152.9	7.3	122.1	100.9	79.7	58.4	-	-	143.8	8.2	118.3	97.0	75.7	54.3	-	-
	67	143.3	7.2	136.1	119.1	102.0	80.3	58.5	-	135.6	8.2	131.2	118.3	105.3	80.0	54.6	-
	62	138.2	7.2	138.2	132.5	124.4	101.3	79.9	57.6	132.0	8.2	132.0	132.0	132.0	105.1	76.2	46.8
	57	133.0	7.1	133.0	133.0	133.0	124.0	101.2	78.4	128.4	8.1	128.4	128.4	128.4	128.4	97.8	64.4
4500	72	156.5	7.3	131.5	107.5	83.6	59.7	-	-	146.7	8.3	127.4	103.5	79.5	55.6	-	-
	67	148.4	7.3	144.4	126.8	109.2	84.6	59.9	-	140.6	8.2	138.9	123.8	108.8	82.3	55.9	-
	62	145.0	7.3	145.0	140.7	134.8	108.9	83.9	58.5	138.3	8.2	138.3	138.3	138.0	108.9	80.2	51.3
	57	141.6	7.3	141.6	141.6	141.6	134.2	108.0	81.7	136.0	8.2	136.0	136.0	136.0	135.9	104.5	73.1
5000	72	160.2	7.4	140.8	114.2	87.6	61.0	-	-	149.7	8.3	136.5	109.9	83.4	56.8	-	-
	67	153.4	7.4	152.6	134.5	116.4	88.8	61.2	-	145.5	8.3	145.5	129.4	112.2	84.7	57.2	-
	62	151.8	7.4	151.8	149.0	145.2	116.6	87.9	59.3	144.5	8.3	144.5	143.1	141.1	112.6	84.2	55.8
	57	150.3	7.4	150.3	150.3	150.3	144.4	114.7	85.0	143.5	8.3	143.5	143.5	143.5	140.5	111.2	81.8

Table 29: WXE12 (10 ton) 95°F to 125°F

Air On Evaporator Coil		Temperature of Air on Condenser Coil															
		Total Capacity (MBh)	Total Input (kW)	Sensible Capacity (MBh) Return Dry Bulb (°F)						Total Capacity (MBh)	Total Input (kW)	Sensible Capacity (MBh) Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
CFM	WB (°F)	95°F								105°F							
2500	77	142.2	9.2	70.8	41.1	11.4	-	-	-	130.6	10.4	68.6	44.5	20.4	-	-	-
	72	127.9	9.1	88.0	74.2	60.4	46.6	-	-	118.6	10.3	85.0	71.1	57.2	43.4	-	-
	67	113.5	8.9	105.1	105.1	105.1	78.1	46.7	-	106.5	10.2	101.3	97.7	94.1	68.6	43.1	-
	62	108.9	8.9	108.9	108.9	108.9	108.9	60.6	11.8	102.5	10.1	102.5	102.5	102.5	93.9	56.8	19.7
3000	77	142.5	9.2	81.4	50.3	19.2	-	-	-	130.9	10.4	78.8	51.9	24.9	-	-	-
	72	130.1	9.1	96.8	80.5	64.2	47.8	-	-	120.9	10.3	93.0	76.7	60.4	44.1	-	-
	67	118.3	9.0	112.2	110.7	109.1	78.6	48.1	-	111.0	10.2	107.2	101.6	95.9	70.1	44.3	-
	62	114.6	9.0	114.6	114.6	114.6	109.4	64.6	19.9	107.7	10.2	107.7	107.7	107.7	96.1	60.7	25.3
	57	110.8	8.9	110.8	110.8	110.8	110.8	81.2	22.2	104.5	10.2	104.5	104.5	104.5	104.5	77.2	32.2
3500	77	143.0	9.3	92.1	59.5	27.0	-	-	-	131.1	10.5	89.0	59.2	29.4	-	-	-
	72	132.4	9.2	105.7	86.8	67.9	49.0	-	-	123.3	10.4	101.1	82.3	63.6	44.9	-	-
	67	123.2	9.1	119.2	114.0	108.8	79.1	49.4	-	115.5	10.3	113.1	105.4	97.8	71.6	45.4	-
	62	120.2	9.0	120.2	120.2	120.2	109.2	68.6	28.0	112.9	10.3	112.9	112.9	112.9	98.3	64.6	31.0
	57	117.3	9.0	117.3	117.3	117.3	117.3	87.8	36.3	110.4	10.3	110.4	110.4	110.4	110.4	83.9	42.7
4000	77	143.2	9.3	102.8	68.8	34.7	-	-	-	131.4	10.5	99.3	66.6	34.0	-	-	-
	72	134.7	9.2	114.5	93.1	71.7	50.2	-	-	125.7	10.4	109.1	87.9	66.8	45.6	-	-
	67	128.0	9.1	126.3	117.4	108.6	79.6	50.7	-	120.0	10.4	119.0	109.3	99.6	73.0	46.5	-
	62	125.9	9.1	125.9	125.9	125.9	109.0	72.5	36.1	118.1	10.4	118.1	118.1	118.1	100.5	68.5	36.6
	57	123.8	9.1	123.8	123.8	123.8	123.8	94.4	50.4	116.3	10.3	116.3	116.3	116.3	116.3	90.6	53.2
4500	72	136.9	9.3	123.4	99.4	75.4	51.4	-	-	128.1	10.5	117.2	93.6	70.0	46.4	-	-
	67	132.8	9.2	132.8	120.8	108.3	80.1	52.0	-	124.5	10.4	124.5	113.1	101.4	74.5	47.6	-
	62	131.5	9.2	131.5	131.5	131.5	108.8	76.5	44.2	123.3	10.4	123.3	123.3	123.3	102.7	72.4	42.2
	57	130.3	9.2	130.3	130.3	130.3	130.3	101.0	64.5	122.1	10.4	122.1	122.1	122.1	122.1	97.3	63.7
5000	72	139.2	9.3	132.2	105.7	79.2	52.6	-	-	130.5	10.5	125.2	99.2	73.1	47.1	-	-
	67	137.6	9.2	137.6	124.2	108.0	80.6	53.3	-	129.1	10.5	129.1	117.0	103.3	76.0	48.7	-
	62	137.2	9.3	137.2	137.2	136.9	108.7	80.5	52.3	128.5	10.5	128.5	128.5	128.5	104.9	76.4	47.8
	57	136.8	9.3	134.8	134.8	134.8	134.8	107.7	78.6	128.0	10.5	127.2	127.2	127.2	127.2	104.0	74.2
		115°F								125°F							
2500	77	119.1	11.6	66.4	47.9	29.3	-	-	-	107.5	12.8	64.2	51.3	38.3	-	-	-
	72	109.2	11.5	82.0	68.0	54.1	40.1	-	-	99.9	12.7	79.0	64.9	50.9	36.8	-	-
	67	99.4	11.4	97.6	88.2	78.8	59.2	39.5	-	92.4	12.7	92.4	78.6	63.5	49.7	35.9	-
	62	96.2	11.4	96.2	96.2	96.2	78.3	52.9	27.6	89.8	12.6	89.8	86.7	76.1	62.6	49.1	35.6
3000	77	119.8	11.7	76.2	53.4	30.6	-	-	-	108.8	12.9	73.6	54.9	36.3	-	-	-
	72	111.7	11.6	89.2	72.9	56.7	40.4	-	-	102.6	12.8	85.4	69.2	52.9	36.7	-	-
	67	103.7	11.5	102.2	92.5	82.8	61.6	40.5	-	96.3	12.7	96.3	83.4	69.6	53.1	36.7	-
	62	100.9	11.5	100.9	100.9	100.9	82.8	56.8	30.8	94.1	12.7	94.1	93.2	86.2	69.6	52.9	36.3
	57	98.2	11.4	98.2	98.2	98.2	98.2	73.1	42.3	91.9	12.7	91.9	91.9	91.9	86.0	69.1	52.3
3500	77	120.6	11.7	86.0	58.9	31.9	-	-	-	110.1	12.9	82.9	58.6	34.3	-	-	-
	72	114.2	11.6	96.5	77.9	59.3	40.7	-	-	105.2	12.8	91.9	73.4	55.0	36.5	-	-
	67	107.9	11.5	106.9	96.8	86.7	64.0	41.4	-	100.2	12.8	100.2	88.2	75.6	56.5	37.4	-
	62	105.7	11.5	105.7	105.7	105.7	87.4	60.7	33.9	98.4	12.8	98.4	98.4	96.3	76.5	56.7	36.9
	57	103.5	11.5	103.5	103.5	103.5	103.5	79.9	49.2	96.5	12.8	96.5	96.5	96.5	96.5	76.0	55.6
4000	77	121.4	11.7	95.8	64.5	33.2	-	-	-	111.4	12.9	92.3	62.3	32.4	-	-	-
	72	116.7	11.7	103.7	82.8	61.9	41.0	-	-	107.8	12.9	98.3	77.7	57.0	36.4	-	-
	67	112.1	11.6	111.6	101.1	90.6	66.5	42.3	-	104.2	12.9	104.2	93.0	81.7	59.9	38.1	-
	62	110.4	11.6	110.4	110.4	110.4	91.9	64.5	37.1	102.7	12.8	102.7	102.7	102.7	83.4	60.5	37.6
	57	108.7	11.6	108.7	108.7	108.7	108.7	86.7	56.1	101.2	12.8	101.2	101.2	101.2	101.2	82.9	58.9
4500	72	119.2	11.7	110.9	87.7	64.5	41.3	-	-	110.4	12.9	104.7	81.9	59.1	36.2	-	-
	67	116.3	11.7	116.3	105.4	94.6	68.9	43.2	-	108.1	12.9	107.8	97.8	87.7	63.3	38.9	-
	62	115.2	11.7	115.2	115.2	115.2	96.5	68.4	40.3	107.0	12.9	107.0	107.0	107.0	90.3	64.3	38.3
	57	114.0	11.7	114.0	114.0	114.0	114.0	93.5	63.0	105.9	12.9	105.9	105.9	105.9	105.9	89.8	62.2
5000	72	121.7	11.8	118.2	92.6	67.1	41.6	-	-	113.0	13.0	111.1	86.1	61.1	36.1	-	-
	67	120.5	11.7	120.5	109.8	98.5	71.3	44.2	-	112.0	13.0	111.3	102.5	93.8	66.7	39.6	-
	62	119.9	11.7	119.9	119.9	119.9	101.1	72.2	43.4	111.3	13.0	111.3	111.3	111.3	97.3	68.1	39.0
	57	119.3	11.8	119.3	119.3	119.3	119.3	100.3	69.8	110.5	13.0	110.5	110.5	110.5	110.5	96.7	65.5

WYE04 to 08, WQE04 to 06 and WXEA7 to 12 heating capacities

Note:

1. The MBH and kW values do not include the supply air blower motor. For net capacity, add the supply air blower motor heat (MBH = 3.415 x kW).
2. Refer to the appropriate Blower Performance Table for the kW of the supply air blower motor.

Table 30: WYE04 heating capacities

Size (ton)	Model	Air over evaporator coil		Capacity and kW	Outdoor temperature (°F @ 72% RH)							
		CFM	DB		-10	0	10	20	30	40	50	60
04 (3)	WYE	900	55	MBH	6.6	11.5	16.4	21.3	26.3	31.2	36.1	41.0
				kW	2.0	2.1	2.2	2.2	2.3	2.3	2.4	2.5
			70	MBH	5.3	10.3	15.2	20.1	25.0	29.9	34.8	39.8
				kW	2.4	2.4	2.5	2.6	2.6	2.7	2.7	2.8
			80	MBH	4.0	8.9	13.9	18.8	23.7	28.6	33.5	38.5
				kW	2.6	2.7	2.7	2.8	2.9	2.9	3.0	3.1
		1200	55	MBH	7.3	12.2	17.2	22.1	27.0	31.9	36.8	41.7
				kW	1.8	1.9	1.9	2.0	2.1	2.1	2.2	2.2
			70	MBH	6.1	11.0	15.9	20.8	25.7	30.7	35.6	40.5
				kW	2.1	2.2	2.3	2.3	2.4	2.5	2.5	2.6
			80	MBH	4.7	9.7	14.6	19.5	24.4	29.3	34.3	39.2
				kW	2.4	2.4	2.5	2.6	2.6	2.7	2.8	2.8
		1500	55	MBH	6.3	11.2	16.1	21.0	26.0	30.9	35.8	40.7
				kW	1.6	1.7	1.8	1.8	1.9	2.0	2.0	2.1
			70	MBH	5.0	9.9	14.9	19.8	24.7	29.6	34.5	39.5
				kW	2.0	2.0	2.1	2.2	2.2	2.3	2.4	2.4
			80	MBH	3.7	8.6	13.6	18.5	23.4	28.3	33.2	38.1
				kW	2.2	2.3	2.3	2.4	2.5	2.5	2.6	2.7

Table 31: WYE05 heating capacities

Size (ton)	Model	Air over evaporator coil		Capacity and kW	Outdoor temperature (°F @ 72% RH)							
		CFM	DB		-10	0	10	20	30	40	50	60
05 (04)	WYE	1200	55	MBH	8.1	15.0	22.0	29.0	35.9	42.9	49.9	56.8
				kW	2.5	2.6	2.8	2.9	3.0	3.2	3.3	3.4
			70	MBH	5.8	12.8	19.8	26.7	33.7	40.7	47.6	54.6
				kW	3.0	3.1	3.3	3.4	3.5	3.7	3.8	3.9
			80	MBH	4.3	11.2	18.2	25.1	32.1	39.1	46.0	53.0
				kW	3.4	3.5	3.7	3.8	3.9	4.0	4.2	4.3
		1600	55	MBH	8.7	15.6	22.6	29.6	36.5	43.5	50.5	57.4
				kW	2.2	2.3	2.4	2.6	2.7	2.8	2.9	3.1
			70	MBH	6.4	13.4	20.4	27.3	34.3	41.2	48.2	55.2
				kW	2.7	2.8	2.9	3.1	3.2	3.3	3.4	3.6
			80	MBH	4.8	11.8	18.8	25.7	32.7	39.7	46.6	53.6
				kW	3.0	3.2	3.3	3.4	3.6	3.7	3.8	4.0
		2000	55	MBH	8.8	15.8	22.7	29.7	36.7	43.6	50.6	57.6
				kW	2.0	2.1	2.2	2.4	2.5	2.6	2.8	2.9
			70	MBH	6.5	13.5	20.5	27.4	34.4	41.4	48.3	55.3
				kW	2.5	2.6	2.7	2.9	3.0	3.1	3.3	3.4
			80	MBH	5.0	11.9	18.9	25.9	32.8	39.8	46.8	53.7
				kW	2.9	3.0	3.1	3.2	3.4	3.5	3.6	3.8

Table 32: WYE06 heating capacities

Size (ton)	Model	Air over evaporator coil		Capacity and kW	Outdoor temperature (°F @ 72% RH)							
		CFM	DB		-10	0	10	20	30	40	50	60
06 (05)	WYE	1500	55	MBH	7.0	15.8	24.6	33.5	42.3	51.1	60.0	68.8
				kW	2.9	3.0	3.2	3.3	3.5	3.6	3.8	3.9
			70	MBH	5.3	14.1	23.0	31.8	40.6	49.5	58.3	67.2
				kW	3.5	3.6	3.8	3.9	4.1	4.2	4.3	4.5
			80	MBH	4.2	13.1	21.9	30.7	39.6	48.4	57.2	66.1
				kW	3.9	4.1	4.2	4.3	4.5	4.6	4.8	4.9
		2000	55	MBH	6.5	15.4	24.2	33.0	41.9	50.7	59.6	68.4
				kW	2.5	2.7	2.8	3.0	3.1	3.3	3.4	3.6
			70	MBH	4.8	13.7	22.5	31.3	40.2	49.0	57.8	66.7
				kW	3.1	3.2	3.4	3.5	3.7	3.8	4.0	4.1
			80	MBH	3.7	12.5	21.4	30.2	39.1	47.9	56.7	65.6
				kW	3.5	3.7	3.8	4.0	4.1	4.3	4.4	4.6
		2500	55	MBH	6.2	15.0	23.9	32.7	41.5	50.4	59.2	68.0
				kW	2.3	2.5	2.6	2.7	2.9	3.0	3.2	3.3
			70	MBH	4.5	13.4	22.2	31.0	39.9	48.7	57.6	66.4
				kW	2.9	3.0	3.2	3.3	3.5	3.6	3.8	3.9
			80	MBH	3.5	12.3	21.1	30.0	38.8	47.6	56.5	65.3
				kW	3.3	3.5	3.6	3.8	3.9	4.1	4.2	4.4

Table 33: WYEA7 heating capacities

Size (ton)	Model	Air over evaporator coil		Capacity and kW	Outdoor temperature (°F @ 72% RH)							
		CFM	DB		-10	0	10	20	30	40	50	60
A7 (6)	WYE	1800	55	MBH	5.6	16.4	27.3	38.1	48.9	59.8	70.6	81.5
				kW	3.1	3.4	3.7	3.9	4.2	4.5	4.8	5.1
			70	MBH	3.3	14.1	24.9	35.8	46.6	57.5	68.3	79.2
				kW	3.9	4.0	4.3	4.6	4.9	5.1	5.4	5.7
			80	MBH	1.0	11.9	22.7	33.6	44.4	55.3	66.1	77.0
				kW	4.2	4.5	4.8	5.0	5.3	5.6	5.9	6.2
		2400	55	MBH	6.7	17.5	28.4	39.2	50.1	60.9	71.8	82.6
				kW	2.8	3.0	3.3	3.6	3.9	4.1	4.4	4.7
			70	MBH	4.4	15.2	26.1	36.9	47.7	58.6	69.4	80.3
				kW	3.4	3.7	3.9	4.2	4.5	4.8	5.1	5.3
			80	MBH	2.2	13.0	23.8	34.7	45.5	56.4	67.2	78.1
				kW	3.8	4.1	4.4	4.7	5.0	5.2	5.5	5.8
		3000	55	MBH	6.3	17.1	28.0	38.8	49.6	60.5	71.3	82.2
				kW	2.5	2.8	3.1	3.4	3.6	3.9	4.2	4.5
			70	MBH	4.0	14.8	25.6	36.5	47.3	58.2	69.0	79.9
				kW	3.2	3.4	3.7	4.0	4.3	4.5	4.8	5.1
			80	MBH	1.7	12.6	23.4	34.3	45.1	56.0	66.8	77.7
				kW	3.6	3.9	4.2	4.4	4.7	5.0	5.3	5.6

Table 34: WYE08 heating capacities

Size (ton)	Model	Air over evaporator coil		Capacity and kW	Outdoor temperature (°F @ 72% RH)							
		CFM	DB		-10	0	10	20	30	40	50	60
08 (7.5 ton)	WYE	2250	55	MBH	10.6	24.4	38.3	52.1	66.0	79.8	93.7	107.5
				kW	4.2	4.5	4.9	5.2	5.5	5.8	6.1	6.4
			70	MBH	7.2	21.1	34.9	48.8	62.6	76.5	90.3	104.2
				kW	5.1	5.4	5.7	6.1	6.4	6.7	7.0	7.3
			80	MBH	3.7	17.5	31.4	45.2	59.1	72.9	86.8	100.6
				kW	5.8	6.1	6.4	6.8	7.1	7.4	7.7	8.0
		3000	55	MBH	10.8	24.6	38.5	52.3	66.2	80.1	93.9	107.8
				kW	3.6	3.9	4.2	4.6	4.9	5.2	5.5	5.8
			70	MBH	7.5	21.3	35.2	49.0	62.9	76.7	90.6	104.4
				kW	4.5	4.8	5.1	5.4	5.8	6.1	6.4	6.7
			80	MBH	3.9	17.8	31.6	45.5	59.3	73.2	87.0	100.9
				kW	5.2	5.5	5.8	6.1	6.5	6.8	7.1	7.4
		3750	55	MBH	11.6	25.4	39.3	53.1	67.0	80.8	94.7	108.5
				kW	3.3	3.6	3.9	4.3	4.6	4.9	5.2	5.5
			70	MBH	8.2	22.1	35.9	49.8	63.6	77.5	91.3	105.2
				kW	4.2	4.5	4.8	5.1	5.5	5.8	6.1	6.4
			80	MBH	4.7	18.5	32.4	46.2	60.1	73.9	87.8	101.6
				kW	4.9	5.2	5.5	5.8	6.2	6.5	6.8	7.1

Table 35: WQE04 heating capacities

Size (ton)	Model	Air over evaporator coil		Capacity and kW	Outdoor temperature (°F @ 72% RH)							
		CFM	DB		-10	0	10	20	30	40	50	60
04 (3)	WQE	900	55	MBH	3.9	9.5	15.0	20.6	26.1	31.7	37.2	42.8
				kW	2.2	2.3	2.3	2.4	2.4	2.5	2.5	2.6
			70	MBH	2.0	7.5	13.1	18.6	24.2	29.7	35.3	40.8
				kW	2.7	2.7	2.8	2.8	2.9	2.9	3.0	3.0
			80	MBH	0.6	6.1	11.7	17.2	22.8	28.3	33.9	39.4
				kW	3.0	3.0	3.1	3.1	3.2	3.2	3.3	3.3
		1200	55	MBH	4.9	10.5	16.0	21.6	27.1	32.7	38.2	43.8
				kW	2.0	2.0	2.1	2.1	2.2	2.2	2.3	2.3
			70	MBH	3.0	8.5	14.1	19.6	25.2	30.7	36.3	41.8
				kW	2.4	2.4	2.5	2.5	2.6	2.6	2.7	2.7
			80	MBH	1.5	7.1	12.6	18.2	23.7	29.3	34.8	40.4
				kW	2.7	2.7	2.8	2.8	2.9	2.9	3.0	3.0
		1500	55	MBH	4.8	10.4	15.9	21.5	27.0	32.6	38.1	43.7
				kW	1.8	1.8	1.9	1.9	2.0	2.0	2.1	2.1
			70	MBH	2.9	8.4	14.0	19.5	25.1	30.6	36.2	41.7
				kW	2.2	2.2	2.3	2.3	2.4	2.4	2.5	2.5
			80	MBH	1.5	7.0	12.6	18.1	23.7	29.2	34.8	40.3
				kW	2.5	2.6	2.6	2.7	2.7	2.8	2.8	2.9

Table 36: WQE05 heating capacities

Size (ton)	Model	Air over evaporator coil		Capacity and kW	Outdoor temperature (°F @ 72% RH)							
		CFM	DB		-10	0	10	20	30	40	50	60
05 (4)	WQE	1200	55	MBH	4.5	11.8	19.0	26.2	33.5	40.7	48.0	55.2
				kW	2.6	2.7	2.8	3.0	3.1	3.2	3.4	3.5
			70	MBH	2.6	9.9	17.1	24.3	31.6	38.8	46.1	53.3
				kW	3.1	3.2	3.3	3.5	3.6	3.7	3.9	4.0
			80	MBH	0.7	8.0	15.2	22.5	29.7	36.9	44.2	51.4
				kW	3.4	3.6	3.7	3.8	4.0	4.1	4.2	4.4
		1600	55	MBH	6.2	13.5	20.7	27.9	35.2	42.4	49.7	56.9
				kW	2.2	2.4	2.5	2.6	2.8	2.9	3.0	3.2
			70	MBH	4.3	11.5	18.8	26.0	33.3	40.5	47.7	55.0
				kW	2.7	2.8	3.0	3.1	3.2	3.4	3.5	3.6
			80	MBH	2.4	9.7	16.9	24.2	31.4	38.6	45.9	53.1
				kW	3.1	3.2	3.3	3.5	3.6	3.7	3.9	4.0
		2000	55	MBH	6.3	13.5	20.8	28.0	35.2	42.5	49.7	57.0
				kW	2.0	2.1	2.3	2.4	2.5	2.7	2.8	2.9
			70	MBH	4.4	11.6	18.9	26.1	33.4	40.6	47.8	55.1
				kW	2.5	2.6	2.8	2.9	3.0	3.2	3.3	3.4
			80	MBH	2.5	9.7	17.0	24.2	31.5	38.7	46.0	53.2
				kW	2.9	3.0	3.1	3.3	3.4	3.5	3.7	3.8

Table 37: WQE06 heating capacities

Size (ton)	Model	Air over evaporator coil		Capacity and kW	Outdoor temperature (°F @ 72% RH)							
		CFM	DB		-10	0	10	20	30	40	50	60
06 (5)	WQE	1500	55	MBH	7.6	16.0	24.4	32.8	41.2	49.6	58.0	66.4
				kW	2.9	3.0	3.1	3.2	3.4	3.5	3.6	3.7
			70	MBH	4.1	12.5	20.9	29.3	37.7	46.1	54.5	62.9
				kW	3.4	3.5	3.7	3.8	3.9	4.0	4.1	4.2
			80	MBH	1.7	10.1	18.5	26.9	35.3	43.7	52.1	60.5
				kW	3.8	4.0	4.1	4.2	4.3	4.4	4.5	4.6
		2000	55	MBH	8.0	16.3	24.7	33.1	41.5	49.9	58.3	66.7
				kW	2.5	2.7	2.8	2.9	3.0	3.1	3.2	3.4
			70	MBH	4.4	12.8	21.2	29.6	38.0	46.4	54.8	63.2
				kW	3.1	3.2	3.3	3.4	3.5	3.6	3.8	3.9
			80	MBH	1.9	10.3	18.7	27.1	35.5	43.9	52.3	60.7
				kW	3.5	3.6	3.7	3.8	3.9	4.0	4.2	4.3
		2500	55	MBH	7.8	16.2	24.6	33.0	41.4	49.8	58.2	66.6
				kW	2.3	2.5	2.6	2.7	2.8	2.9	3.0	3.2
			70	MBH	4.3	12.7	21.1	29.5	37.9	46.3	54.7	63.1
				kW	2.9	3.0	3.1	3.2	3.3	3.5	3.6	3.7
			80	MBH	1.9	10.3	18.7	27.1	35.5	43.9	52.3	60.7
				kW	3.3	3.4	3.5	3.6	3.8	3.9	4.0	4.1

Table 38: WXEA7 heating capacities

Size (ton)	Model	Air over evaporator coil		Capacity and kW	Outdoor temperature (°F @ 72% RH)							
		CFM	DB		-10	0	10	20	30	40	50	60
A7 (6)	WXE	1800	55	MBH	12.3	22.1	31.9	41.7	51.5	61.3	71.1	80.9
				kW	3.3	3.5	3.7	3.9	4.0	4.2	4.4	4.6
			70	MBH	8.6	18.4	28.2	38.0	47.8	57.6	67.4	77.1
				kW	3.9	4.1	4.3	4.4	4.6	4.8	5.0	5.2
			80	MBH	6.1	15.9	25.7	35.5	45.3	55.1	64.9	74.7
				kW	4.4	4.6	4.8	4.9	5.1	5.3	5.5	5.6
		2400	55	MBH	12.8	22.6	32.3	42.1	51.9	61.7	71.5	81.3
				kW	3.0	3.2	3.3	3.5	3.7	3.9	4.0	4.2
			70	MBH	8.9	18.7	28.5	38.3	48.1	57.9	67.7	77.5
				kW	3.6	3.7	3.9	4.1	4.3	4.4	4.6	4.8
			80	MBH	6.6	16.4	26.2	36.0	45.8	55.6	65.3	75.1
				kW	4.1	4.3	4.4	4.6	4.8	5.0	5.1	5.3
		3000	55	MBH	12.4	22.1	31.9	41.7	51.5	61.3	71.1	80.9
				kW	2.8	2.9	3.1	3.3	3.5	3.6	3.8	4.0
			70	MBH	8.6	18.4	28.2	38.0	47.8	57.6	67.4	77.2
				kW	3.4	3.5	3.7	3.9	4.1	4.2	4.4	4.6
			80	MBH	6.1	15.9	25.7	35.5	45.3	55.1	64.9	74.7
				kW	3.8	4.0	4.2	4.4	4.5	4.7	4.9	5.1

Table 39: WXE08 heating capacities

Size (ton)	Model	Air over evaporator coil		Capacity and kW	Outdoor temperature (°F @ 72% RH)							
		CFM	DB		-10	0	10	20	30	40	50	60
08 (7.5)	WXE	2250	55	MBH	9.8	22.6	35.4	48.3	61.1	74.0	86.8	99.6
				kW	4.7	4.9	5.1	5.2	5.4	5.6	5.8	6.0
			70	MBH	5.9	18.7	31.5	44.4	57.2	70.1	82.9	95.7
				kW	5.7	5.9	6.0	6.2	6.4	6.6	6.8	6.9
			80	MBH	1.3	14.1	26.9	39.8	52.6	65.5	78.3	91.1
				kW	6.2	6.4	6.5	6.7	6.9	7.1	7.3	7.4
		3000	55	MBH	12.3	25.1	38.0	50.8	63.6	76.5	89.3	102.2
				kW	4.1	4.3	4.5	4.7	4.8	5.0	5.2	5.4
			70	MBH	8.4	21.2	34.1	46.9	59.7	72.6	85.4	98.3
				kW	5.1	5.3	5.5	5.7	5.8	6.0	6.2	6.4
			80	MBH	3.8	16.6	29.4	42.3	55.1	68.0	80.8	93.6
				kW	5.6	5.8	6.0	6.1	6.3	6.5	6.7	6.9
		3750	55	MBH	13.6	26.4	39.3	52.1	64.9	77.8	90.6	103.5
				kW	3.8	4.0	4.2	4.3	4.5	4.7	4.9	5.1
			70	MBH	9.7	22.5	35.4	48.2	61.0	73.9	86.7	99.6
				kW	4.8	5.0	5.1	5.3	5.5	5.7	5.9	6.0
			80	MBH	5.1	17.9	30.7	43.6	56.4	69.3	82.1	94.9
				kW	5.3	5.5	5.6	5.8	6.0	6.2	6.3	6.5

Table 40: WXE09 heating capacities

Size (ton)	Model	Air over evaporator coil		Capacity and kW	Outdoor temperature (°F @ 72% RH)							
		CFM	DB		-10	0	10	20	30	40	50	60
09 (8.5)	WXE	2250	55	MBH	9.3	25.4	41.4	57.5	73.6	89.7	105.8	121.9
				kW	5.2	5.6	5.9	6.3	6.6	7.0	7.3	7.6
			70	MBH	4.3	20.4	36.5	52.6	68.7	84.8	100.9	117.0
				kW	6.2	6.5	6.9	7.2	7.6	7.9	8.3	8.6
			80	MBH	1.4	17.5	33.6	49.7	65.8	81.9	98.0	114.1
				kW	7.0	7.3	7.6	8.0	8.3	8.7	9.0	9.4
		3400	55	MBH	8.8	27.9	41.0	57.1	73.1	89.2	105.3	121.4
				kW	4.3	4.7	5.0	5.3	5.7	6.0	6.4	6.7
			70	MBH	4.8	20.8	36.9	53.0	69.1	85.2	101.3	117.4
				kW	5.5	5.9	6.2	6.6	6.9	7.3	7.6	8.0
			80	MBH	1.9	18.0	34.1	50.2	66.2	82.3	98.4	114.5
				kW	6.3	6.7	7.0	7.3	7.7	8.0	8.4	8.7
		4250	55	MBH	9.9	26.0	42.0	58.1	74.2	90.3	106.4	122.5
				kW	4.2	4.6	4.9	5.3	5.6	6.0	6.3	6.6
			70	MBH	4.9	21.0	37.1	53.2	69.3	85.4	101.5	117.6
				kW	5.2	5.5	5.9	6.2	6.6	6.9	7.3	7.6
			80	MBH	2.0	18.1	34.2	50.3	66.4	82.5	98.6	114.7
				kW	6.0	6.3	6.6	7.0	7.3	7.7	8.0	8.4

Table 41: WXE12 heating capacities

Size (ton)	Model	Air over evaporator coil		Capacity and kW	Outdoor temperature (°F @ 72% RH)							
		CFM	DB		-10	0	10	20	30	40	50	60
12 (10)	WXE	3000	55	MBH	15.5	32.7	50.0	67.2	84.5	101.7	119.0	136.2
				kW	5.8	6.2	6.5	6.9	7.2	7.6	7.9	8.2
			70	MBH	10.7	28.0	45.2	62.5	79.7	97.0	114.2	128.7
				kW	6.9	7.3	7.6	8.0	8.3	8.7	9.0	9.4
			80	MBH	7.9	25.2	42.4	59.7	76.9	94.2	111.4	128.7
				kW	7.8	8.2	8.5	8.9	9.2	9.6	9.9	10.3
		4000	55	MBH	15.6	32.9	50.1	67.4	84.6	101.9	119.1	136.4
				kW	5.1	5.5	5.8	6.2	6.5	6.9	7.2	7.5
			70	MBH	10.9	28.1	45.4	62.6	79.9	97.1	114.4	131.6
				kW	6.2	6.6	6.9	7.3	7.6	8.0	8.3	8.7
			80	MBH	8.1	25.4	42.6	59.9	77.1	94.4	111.6	128.9
				kW	7.1	7.5	7.8	8.2	8.5	8.9	9.2	9.6
		5000	55	MBH	17.0	34.2	51.5	68.7	86.0	103.2	120.5	137.7
				kW	4.8	5.1	5.5	5.8	6.2	6.5	6.9	7.2
			70	MBH	12.2	29.5	46.7	64.0	81.2	98.5	115.7	133.0
				kW	5.9	6.2	6.6	6.9	7.3	7.6	8.0	8.3
			80	MBH	9.4	26.7	43.9	61.2	78.4	95.7	112.9	130.2
				kW	6.8	7.1	7.5	7.8	8.2	8.5	8.9	9.2

Drive selection

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

Example

1. 1600 CFM
2. 1.4 iwg
3. Using the airflow performance table below, the following data point was located: 1417 RPM and 1.28 BHP.
4. Using the RPM selection table below, model WYE and size 05 (4 ton) is found.
5. The high static option is selected to achieve the required 1417 RPM.
6. Using the high static option, 2 turns open will achieve 1417 RPM.

Airflow performance

Example supply air blower performance

Table 42: WYE05 (4.0 ton) bottom duct

CFM	Available external static																			
	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
1200	801	0.25	903	0.38	999	0.51	1089	0.63	1173	0.76	1252	0.88	1327	1.00	1396	1.11	1461	1.22	1521	1.33
1300	822	0.31	924	0.44	1020	0.57	1110	0.69	1194	0.82	1273	0.94	1348	1.06	1417	1.17	1482	1.28	1542	1.39
1400	844	0.38	946	0.51	1042	0.64	1132	0.76	1216	0.89	1295	1.01	1370	1.13	1439	1.24	1504	1.35	1564	1.46
1500	867	0.46	969	0.59	1065	0.71	1155	0.84	1239	0.96	1319	1.08	1393	1.20	1462	1.32	1527	1.43	1587	1.53
1600	891	0.54	993	0.67	1089	0.79	1179	0.92	1264	1.04	1343	1.16	1417	1.28	1486	1.40	1551	1.51	**1612**	**1.61**
1700	917	0.63	1019	0.75	1115	0.88	1205	1.01	1289	1.13	1368	1.25	1442	1.37	1512	1.48	1577	1.60	**1637**	**1.70**
1800	943	0.72	1045	0.85	1141	0.97	1231	1.10	1316	1.22	1395	1.34	1469	1.46	1538	1.58	**1603**	**1.69**	--	--
1900	971	0.81	1073	0.94	1169	1.07	1259	1.19	1344	1.32	1423	1.44	1497	1.56	1566	1.67	**1631**	**1.78**	--	--
2000	1000	0.92	1102	1.04	1198	1.17	1288	1.29	1372	1.42	1452	1.54	1526	1.66	1595	1.77	--	--	--	--

ⓘ **Note:** kW = 0.929 x BHP

	Medium static option with motor rated at 2.4 hp
	High static option with motor rated at 2.4 hp
Bold	Field-supplied AK41 x 3/4 in.fixed blower pulley with motor rated at 2.4 hp
--	Exceeds recommended blower speed

Table 43: Example RPM selection

Model	Size (ton)	Airflow option	Phase	Max BHP	Blower sheave	Motor sheave	6 Turns open	5 Turns open	4 Turns open	3 Turns open	2 Turns open	1 Turns open	Fully closed
WYE	05 (4)	Std.	Direct drive										
		Med.	3	2.4	AK46	1VL34	N/A	792	875	958	1042	1125	1208
		H. Static	3	2.4	AK46	1VL44	N/A	1167	1250	1333	1417	1500	1593

Table 44: Example additional static resistance

Model	Size (ton)	CFM	Economizer	Electric heat kW				
				6/6.5	9.2/10.5/11	13.8/14/16	23	—
WYE	05 (4.0)	1200	0.24	0.01	0.01	0.02	0.03	—
		1300	0.28	0.01	0.01	0.03	0.03	—
		1400	0.33	0.02	0.02	0.03	0.04	—
		1500	0.44	0.02	0.02	0.04	0.04	—
		1600	0.52	0.02	0.02	0.04	0.05	—
		1700	0.59	0.03	0.03	0.05	0.05	—
		1800	0.66	0.03	0.03	0.05	0.06	—
		1900	0.74	0.04	0.04	0.06	0.07	—
		2000	0.81	0.04	0.04	0.07	0.08	—

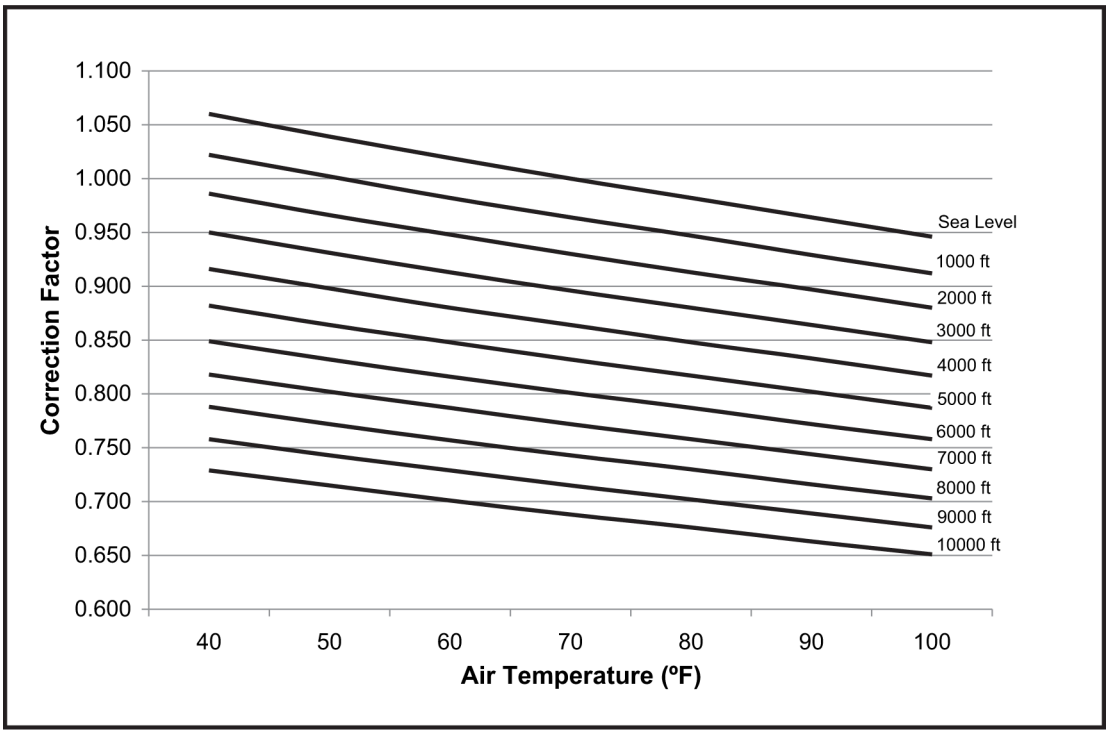
Altitude and temperature correction for CFM, static pressure and power

The information below should be used to assist in application of product when being applied at altitudes at or exceeding 1000 ft above sea level. The air flow rates listed in the standard blower performance tables are based on standard air at sea level. As the altitude or temperature increases, the density of air decreases. In order to use the indoor blower tables for high altitude applications, certain corrections are necessary. A centrifugal fan is a constant volume device. This means that, if the RPM remains constant, the CFM delivered is the same regardless of

the density of the air. However, since the air at high altitude is less dense, less static pressure will be generated and less power will be required than a similar application at sea level. Air density correction factors are shown below.

Table 45: Altitude and temperature correction factors

Air Temp. (°F)	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



The examples below will assist in determining the airflow performance of the product at altitude.

Example 1: What are the corrected CFM, static pressure, and BHP at an elevation of 5,000 ft if the airflow performance data is 3,000 CFM, 1.4 IWC and 2.0 BHP?

Solution: At an elevation of 5,000 ft the indoor blower will still deliver 3,000 CFM if the rpm is unchanged. However, the altitude correction must be used to determine the static pressure and BHP. Since no temperature data is given, we will assume an air temperature of 70°F. The altitude and temperature factors show the correction factor to be 0.832.

Corrected static pressure = 1.4 x 0.832 = 1.16 IWC

Corrected BHP = 2.0 x 0.832 = 1.66

Example 2: A system, located at 5,000 ft of elevation, is to deliver 3,000 CFM at a static pressure of 1.4 in.. Use the unit blower tables to select the blower speed and the BHP requirement.

Solution: As in the example above, no temperature information is given so 70°F is assumed. The 1.4 in. static pressure given is at an elevation of 5,000 ft. The first step is to convert this static pressure to equivalent sea level conditions.

Sea level static pressure = 1.4 in. / .832 = 1.68 in.

Enter the supply air blower performance table at 3,000 CFM and static pressure of 1.68 in. The rpm listed will be the same rpm needed at 5,000 ft. Suppose that the corresponding BHP listed in the table is 2.0. This value must be corrected for elevation.

BHP at 5,000 ft = 2.0 x .832 = 1.66.

Table 46: Indoor blower specifications

Model	Size (ton)	Airflow option	Motor						Motor sheave			Blower sheave			Belt
			Phase	Bhp	RPM	Eff.	SF	Frame	Datum Dia. (in.)	Bore (in.)	Model	Datum Dia. (in.)	Bore (in.)	Model	
WYE	04 (3)	Std.	Direct drive												
		Med.	1	1.5	1725	0.79	1.15	56HZ	1.9 - 2.9	5/8	1VL34	4.2	3/4	AK46	A39
		Med.	3	2.4	1725	0.80	1.15	56Y	1.9 - 2.9	5/8	1VL34	4.2	3/4	AK46	A39
		H. Static	3	2.4	1725	0.80	1.15	56Y	2.8 - 3.8	5/8	1VL44	4.2	3/4	AK46	A40
WYE	05 (4)	Std.	Direct drive												
		Med.	1	1.5	1725	0.79	1.15	56HZ	1.9 - 2.9	5/8	1VL34	4.2	3/4	AK46	A39
		Med.	3	2.4	1725	0.80	1.15	56Y	1.9 - 2.9	5/8	1VL34	4.2	3/4	AK46	A39
		H. Static	3	2.4	1725	0.80	1.15	56Y	2.8 - 3.8	5/8	1VL44	4.2	3/4	AK46	A40
WYE	06 (5)	Std.	Direct drive												
		Med.	1	1.5	1750	0.83	1.15	56H	1.9 - 2.9	5/8	1VL34	4.2	3/4	AK46	A37
		Med.	3	2.4	1750	0.87	1.15	56HZ	1.9 - 2.9	5/8	1VL34	4.2	3/4	AK46	A37
		H. Static	3	2.9	1750	0.87	1.15	56Z	2.8 - 3.8	7/8	1VL44	4.2	3/4	AK46	A39
WYE	A7 (6)	Std.	3	2.4	1725	0.80	1.15	56Y	1.9 - 2.9	5/8	1VL34	7.0	1	AK74	A47
		Med.	3	2.9	1725	0.81	1.15	56Y	2.8 - 3.8	7/8	1VL44	7.0	1	AK74	A48
		H. Static	3	3.7	1725	0.84	1.15	56HZ	3.4 - 4.4	7/8	1VP50	7.0	1	AK74	A48
WYE	08 (7.5)	Std.	3	2.4	1725	0.80	1.15	56Y	1.9 - 2.9	5/8	1VL34	7.0	1	AK74	A47
		Med.	3	2.4	1725	0.80	1.15	56Y	2.8 - 3.8	5/8	1VL44	7.0	1	AK74	A48
		H. Static	3	3.7	1725	0.84	1.15	56HZ	3.4 - 4.4	7/8	1VP50	7.0	1	AK74	A50
WQE	04 (3)	Std.	Direct drive												
		Med.	1	1.5	1725	0.79	1.15	56HZ	1.9 - 2.9	5/8	1VL34	4.2	3/4	AK46	A39
		Med.	3	2.4	1725	0.80	1.15	56Y	1.9 - 2.9	5/8	1VL34	4.2	3/4	AK46	A39
		H. Static	3	2.4	1725	0.80	1.15	56Y	2.8 - 3.8	5/8	1VL44	4.2	3/4	AK46	A40
WQE	05 (4)	Std.	Direct drive												
		Med.	1	1.5	1725	0.79	1.15	56HZ	1.9 - 2.9	5/8	1VL34	4.2	3/4	AK46	A39
		Med.	3	2.4	1725	0.80	1.15	56Y	1.9 - 2.9	5/8	1VL34	4.2	3/4	AK46	A39
		H. Static	3	2.4	1725	0.80	1.15	56Y	2.8 - 3.8	5/8	1VL44	4.2	3/4	AK46	A40
WQE	06 (5)	Std.	Direct drive												
		Med.	1	1.5	1750	0.83	1.15	56H	1.9 - 2.9	5/8	1VL34	4.2	3/4	AK46	A37
		Med.	3	2.4	1750	0.87	1.15	56HZ	1.9 - 2.9	5/8	1VL34	4.2	3/4	AK46	A37
		H. Static	3	2.9	1750	0.87	1.15	56Z	2.8 - 3.8	7/8	1VL44	4.2	3/4	AK46	A39
WXE	A7 (6)	Std.	3	2.4	1725	0.80	1.15	56Y	1.9 - 2.9	5/8	1VL34	4.7	3/4	AK51	A39
		Med.	3	2.9	1725	0.81	1.15	56Y	2.8 - 3.8	7/8	1VL44	4.7	3/4	AK51	A40
		H. Static	3	3.7	1725	0.84	1.15	56HZ	3.4 - 4.4	7/8	1VP50	4.7	3/4	AK51	A41
WXE	08 (7.5)	Std.	3	2.4	1725	0.80	1.15	56Y	1.9 - 2.9	5/8	1VL34	7.0	1	AK74	A47
		Med.	3	2.4	1725	0.80	1.15	56Y	2.8 - 3.8	5/8	1VL44	7.0	1	AK74	A48
		H. Static	3	3.7	1725	0.84	1.15	56HZ	3.4 - 4.4	7/8	1VP50	7.0	1	AK74	A50
WXE	09 (8.5)	Std.	3	2.4	1725	0.80	1.15	56Y	1.9 - 2.9	5/8	1VL34	7.0	1	AK74	A47
		Med.	3	2.4	1725	0.80	1.15	56Y	2.8 - 3.8	5/8	1VL44	7.0	1	AK74	A48
		H. Static	3	3.7	1725	0.84	1.15	56HZ	3.4 - 4.4	7/8	1VP50	7.0	1	AK74	A50
WXE	12 (10)	Std.	3	2.4	1725	0.80	1.15	56Y	2.8 - 3.8	5/8	1VL44	7.5	1	AK79	A50
		Med.	3	3.7	1725	0.84	1.15	56HZ	3.4 - 4.4	7/8	1VP50	7.5	1	AK79	A50
		H. Static	3	5.25	1725	0.84	1.15	145TY	4.3 - 5.3	7/8	1VP56	7.9	1	BK85	BX52

Table 47: RPM selection

Model	Size (ton)	Airflow option	Phase	Max BHP	Blower sheave	Motor sheave	6 Turns open	5 Turns open	4 Turns open	3 Turns open	2 Turns open	1 Turns open	Fully closed
WYE	04 (3)	Std.	Direct drive										
		Med	1	1.5	AK46	1VL34	N/A	792	875	958	1042	1125	1208
		Med	3	2.4	AK46	1VL34	N/A	792	875	958	1042	1125	1208
		H. Static	3	2.4	AK46	1VL44	N/A	1167	1250	1333	1417	1500	1593
WYE	05 (4)	Std.	Direct drive										
		Med	1	1.5	AK46	1VL34	N/A	792	875	958	1042	1125	1208
		Med	3	2.4	AK46	1VL34	N/A	792	875	958	1042	1125	1208
		H. Static	3	2.4	AK46	1VL44	N/A	1167	1250	1333	1417	1500	1593
WYE	06 (5)	Std.	Direct drive										
		Med	1	1.5	AK46	1VL34	N/A	792	875	958	1042	1125	1208
		Med	3	2.4	AK46	1VL34	N/A	792	875	958	1042	1125	1208
		H. Static	3	2.9	AK46	1VL44	N/A	1167	1250	1333	1417	1500	1593
WYE	A7 (6)	Std.	3	2.4	AK74	1VL34	N/A	475	525	575	625	675	725
		Med.	3	2.9	AK74	1VL44	N/A	700	750	800	850	900	950
		H. Static	3	3.7	AK74	1VP50	N/A	850	900	950	1000	1050	1100
WYE	08 (7.5)	Std.	3	2.4	AK74	1VL34	N/A	475	525	575	625	675	725
		Med.	3	2.4	AK74	1VL44	N/A	700	750	800	850	900	950
		H. Static	3	3.7	AK74	1VP50	N/A	850	900	950	1000	1050	1100
WQE	04 (3)	Std.	Direct drive										
		Med	1	1.5	AK46	1VL34	N/A	792	875	958	1042	1125	1208
		Med	3	2.4	AK46	1VL34	N/A	792	875	958	1042	1125	1208
		H. Static	3	2.4	AK46	1VL44	N/A	1167	1250	1333	1417	1500	1593
WQE	05 (4)	Std.	Direct drive										
		Med	1	1.5	AK46	1VL34	N/A	792	875	958	1042	1125	1208
		Med	3	2.4	AK46	1VL34	N/A	792	875	958	1042	1125	1208
		H. Static	3	2.4	AK46	1VL44	N/A	1167	1250	1333	1417	1500	1593
WQE	06 (5)	Std.	Direct drive										
		Med	1	1.5	AK46	1VL34	N/A	792	875	958	1042	1125	1208
		Med	3	2.4	AK46	1VL34	N/A	792	875	958	1042	1125	1208
		H. Static	3	2.9	AK46	1VL44	N/A	1167	1250	1333	1417	1500	1593
WXE	A7 (6)	Std.	3	2.4	AK51	1VL34	N/A	707	782	856	931	1005	1080
		Med.	3	2.9	AK51	1VL44	N/A	1043	1117	1191	1266	1340	1415
		H. Static	3	3.7	AK51	1VP50	N/A	1266	1340	1415	1489	1564	1638
WXE	08 (7.5)	Std.	3	2.4	AK74	1VL34	N/A	475	525	575	625	675	725
		Med.	3	2.9	AK74	1VL44	N/A	700	750	800	850	900	950
		H. Static	3	3.7	AK74	1VP50	N/A	850	900	950	1000	1050	1100
WXE	09 (8.5)	Std.	3	2.4	AK74	1VL34	N/A	475	525	575	625	675	725
		Med.	3	2.9	AK74	1VL44	N/A	700	750	800	850	900	950
		H. Static	3	3.7	AK74	1VP50	N/A	850	900	950	1000	1050	1100
WXE	12 (10)	Std.	3	2.4	AK79	1VL44	N/A	653	700	747	793	840	887
		Med.	3	3.7	AK79	1VP50	N/A	793	840	887	933	980	1027
		H. Static	3	5.25	BK85	1VP56	953	997	1041	1085	1130	1174	N/A

Table 48: Additional static resistance - WYE04-06

Model	Size (ton)	CFM	Economizer[1,2]	Electric heat kW[2]				
				6/6.5	9.2/10.5/11	13.8/14/16	23	—
WYE	04 (3.0)	900	0.03	0.00	0.00	0.01	0.01	—
		1000	0.04	0.00	0.00	0.02	0.02	—
		1100	0.05	0.01	0.01	0.02	0.03	—
		1200	0.06	0.01	0.01	0.02	0.03	—
		1300	0.07	0.01	0.01	0.03	0.03	—
		1400	0.08	0.02	0.02	0.03	0.04	—
		1500	0.09	0.02	0.02	0.04	0.04	—
WYE	05 (4.0)	1200	0.04	0.01	0.01	0.02	0.03	—
		1300	0.05	0.01	0.01	0.03	0.03	—
		1400	0.06	0.02	0.02	0.03	0.04	—
		1500	0.07	0.02	0.02	0.04	0.04	—
		1600	0.08	0.02	0.02	0.04	0.05	—
		1700	0.09	0.03	0.03	0.05	0.05	—
		1800	0.09	0.03	0.03	0.05	0.06	—
		1900	0.10	0.04	0.04	0.06	0.07	—
		2000	0.11	0.04	0.04	0.07	0.08	—

Table 48: Additional static resistance - WYE04-06

Model	Size (ton)	CFM	Economizer[1,2]	Electric heat kW[2]				
				6/6.5	9.2/10.5/11	13.8/14/16	23	—
WYE	06 (5.0)	1800	0.09	0.03	0.03	0.05	0.06	—
		2000	0.11	0.04	0.04	0.07	0.08	—
		2200	0.13	0.06	0.06	0.08	0.09	—
		2400	0.15	0.07	0.07	0.10	0.11	—
		2500	0.17	0.08	0.08	0.11	0.12	—

Note:

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

Table 49: Additional static resistance - WQE04-06

Model	Size (ton)	CFM	Economizer[1, 2]	Electric heat kW[2]				
				6/6.5	9.2/10.5/11	13.8/14/16	23	—
WQE	04 (3.0)	900	0.03	0.00	0.00	0.01	0.01	—
		1000	0.03	0.00	0.00	0.02	0.02	—
		1100	0.03	0.01	0.01	0.02	0.03	—
		1200	0.04	0.01	0.01	0.02	0.03	—
		1300	0.04	0.01	0.01	0.03	0.03	—
		1400	0.04	0.02	0.02	0.03	0.04	—
		1500	0.04	0.02	0.02	0.04	0.04	—
WQE	05 (4.0)	1200	0.04	0.01	0.01	0.02	0.03	—
		1300	0.05	0.01	0.01	0.03	0.03	—
		1400	0.06	0.02	0.02	0.03	0.04	—
		1500	0.07	0.02	0.02	0.04	0.04	—
		1600	0.08	0.02	0.02	0.04	0.05	—
		1700	0.09	0.03	0.03	0.05	0.05	—
		1800	0.09	0.03	0.03	0.05	0.06	—
		1900	0.1	0.04	0.04	0.06	0.07	—
		2000	0.11	0.04	0.04	0.07	0.08	—
WQE	06 (5.0)	1800	0.09	0.03	0.03	0.05	0.06	—
		2000	0.11	0.04	0.04	0.07	0.08	—
		2200	0.13	0.06	0.06	0.08	0.09	—
		2400	0.15	0.07	0.07	0.10	0.11	—
		2500	0.17	0.08	0.08	0.11	0.12	—

Note:

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

Table 50: Additional static resistance - WYEA7

Model	Size (ton)	CFM	Economizer[1, 2]	Electric heat kW[2]		
				6/6.5	9.2/10.5/11	13.8/14/16
WYE	A7 (6)	1800	0.03	0.03	0.05	0.06
		1900	0.04	0.04	0.06	0.06
		2000	0.05	0.04	0.06	0.07
		2100	0.06	0.05	0.07	0.08
		2200	0.07	0.06	0.07	0.09
		2300	0.08	0.06	0.08	0.09
		2400	0.09	0.07	0.08	0.10
		2500	0.10	0.08	0.09	0.11
		2600	0.11	0.08	0.09	0.11
		2700	0.12	0.09	0.10	0.12
		2800	0.13	0.09	0.10	0.12
		2900	0.14	0.10	0.11	0.13
		3000	0.15	0.11	0.12	0.14

Note:

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

Table 51: Additional static resistance - WXEA7

Model	Size (ton)	CFM	Economizer[1, 2]	Electric heat kW[2]		
				6/6.5	9.2/10.5/11	13.8/14/16
WXE	A7 (6.0)	1800	0.09	0.03	0.03	0.05
		2000	0.11	0.04	0.04	0.06
		2200	0.13	0.06	0.06	0.07
		2400	0.15	0.07	0.07	0.08
		2600	0.17	0.08	0.08	0.09
		2800	0.20	0.09	0.09	0.10
		3000	0.22	0.11	0.11	0.12

Note:

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

Table 52: Additional static resistance - WXE08 to 12 and WYE08

Model	Size (ton)	CFM	Economizer[1, 2]	Electric heat kW[2]			
				16/16.5/17	24.8/25.5/27.8	32/33/34	41.7/42.4
WXE	08 (7.5) 09 (8.5)	2200	0.10	0.07	0.09	0.10	0.12
		2600	0.14	0.09	0.11	0.12	0.15
		3000	0.17	0.12	0.14	0.15	0.19
		3400	0.22	0.15	0.18	0.19	0.23
		3800	0.26	0.19	0.22	0.23	0.27
		4000	0.29	0.21	0.24	0.25	0.30
		4400	0.37	0.25	0.29	0.30	0.35
		4800	0.45	0.30	0.34	0.35	0.41
		5200	0.52	0.35	0.39	0.41	0.47
		5600	0.59	0.41	0.45	0.47	0.54
		6000	0.64	0.48	0.52	0.54	0.60
WXE	12 (10.0)	2200	0.10	0.07	0.09	0.10	0.12
		2600	0.14	0.09	0.11	0.12	0.15
		3000	0.17	0.12	0.14	0.15	0.19
		3400	0.22	0.15	0.18	0.19	0.23
		3800	0.26	0.19	0.22	0.23	0.27
		4000	0.29	0.21	0.24	0.25	0.30
		4400	0.37	0.25	0.29	0.30	0.35
		4800	0.45	0.30	0.34	0.35	0.41
		5200	0.52	0.35	0.39	0.41	0.47
		5600	0.59	0.41	0.45	0.47	0.54
		6000	0.64	0.48	0.52	0.54	0.60
WYE	08 (7.5)	2200	0.10	0.07	0.09	0.10	0.12
		2600	0.14	0.09	0.11	0.12	0.15
		3000	0.17	0.12	0.14	0.15	0.19
		3400	0.22	0.15	0.18	0.19	0.23
		3800	0.26	0.19	0.22	0.23	0.27
		4000	0.29	0.21	0.24	0.25	0.30
		4400	0.37	0.25	0.29	0.30	0.35
		4800	0.45	0.30	0.34	0.35	0.41
		5200	0.52	0.35	0.39	0.41	0.47
		5600	0.59	0.41	0.45	0.47	0.54
		6000	0.64	0.48	0.52	0.54	0.60

Note:

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

Airflow performance

WYE04 to 08 side duct application (belt drive)

Table 53: WYE04 (3.0 ton) side duct

CFM	Available external static																			
	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
900			810	0.27	922	0.38	1024	0.49	1118	0.59	1205	0.69	**1285**	**0.80**	**1359**	**0.91**	**1429**	**1.03**	**1496**	**1.16**
1000	703	0.19	826	0.31	938	0.43	1041	0.53	1135	0.64	**1221**	**0.74**	**1301**	**0.85**	**1376**	**0.96**	**1446**	**1.08**	**1513**	**1.21**
1100	721	0.25	843	0.37	956	0.48	1058	0.59	1152	0.69	**1239**	**0.80**	**1319**	**0.90**	**1393**	**1.01**	**1463**	**1.13**	**1530**	**1.26**
1200	738	0.31	861	0.43	973	0.54	1076	0.65	1170	0.75	**1256**	**0.86**	**1336**	**0.96**	**1411**	**1.08**	**1481**	**1.19**	**1548**	**1.33**
1300	756	0.38	879	0.50	991	0.61	1094	0.72	1188	0.82	**1274**	**0.92**	**1354**	**1.03**	**1429**	**1.14**	**1499**	**1.26**	**1566**	**1.39**
1400	774	0.45	897	0.57	1009	0.68	1112	0.79	1206	0.89	**1292**	**1.00**	**1372**	**1.10**	**1447**	**1.21**	**1517**	**1.33**	**1584**	**1.47**
1500	792	0.53	915	0.65	1027	0.76	1129	0.87	**1223**	**0.97**	**1310**	**1.07**	**1390**	**1.18**	**1464**	**1.29**	**1535**	**1.41**	**1602**	**1.54**

ⓘ **Note:** kW = 0.929 x BHP

	Field-supplied AK51 x 3/4 in. fixed blower pulley with motor rated at 2.4 hp
	Medium static option with motor rated at 2.4 hp
Bold	High static option with motor rated at 2.4 hp
Bold	Field-supplied AK41 x 3/4 in. fixed blower pulley with motor rated at 2.4 hp

Table 54: WYE05 (4.0 ton) side duct

CFM	Available external static																			
	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
1200	759	0.28	860	0.38	957	0.49	1050	0.62	1139	0.76	**1224**	**0.89**	**1306**	**1.03**	**1383**	**1.15**	**1457**	**1.26**	**1527**	**1.36**
1300	777	0.34	878	0.44	975	0.55	1068	0.68	1157	0.81	**1242**	**0.95**	**1324**	**1.08**	**1401**	**1.21**	**1475**	**1.32**	**1545**	**1.42**
1400	796	0.40	897	0.50	995	0.61	1088	0.74	1177	0.88	**1262**	**1.01**	**1343**	**1.15**	**1420**	**1.27**	**1494**	**1.38**	**1564**	**1.48**
1500	816	0.46	918	0.56	1015	0.68	1108	0.81	1197	0.94	**1282**	**1.08**	**1363**	**1.21**	**1440**	**1.34**	**1514**	**1.45**	**1584**	**1.54**
1600	837	0.53	938	0.63	1035	0.75	1129	0.88	**1218**	**1.01**	**1303**	**1.15**	**1384**	**1.28**	**1461**	**1.41**	**1535**	**1.52**	**1605**	**1.61**
1700	858	0.61	960	0.71	1057	0.83	1150	0.95	**1239**	**1.09**	**1324**	**1.22**	**1405**	**1.36**	**1482**	**1.48**	**1556**	**1.60**	**1626**	**1.69**
1800	880	0.69	981	0.79	1078	0.91	1171	1.04	**1260**	**1.17**	**1345**	**1.31**	**1427**	**1.44**	**1504**	**1.57**	**1578**	**1.68**	**1648**	**1.77**
1900	902	0.78	1003	0.88	1100	1.00	1193	1.12	**1282**	**1.26**	**1367**	**1.40**	**1448**	**1.53**	**1526**	**1.65**	**1599**	**1.77**	--	--
2000	924	0.88	1025	0.98	1122	1.09	**1215**	**1.22**	**1304**	**1.35**	**1389**	**1.49**	**1470**	**1.62**	**1548**	**1.75**	**1621**	**1.86**	--	--

ⓘ **Note:** kW = 0.929 x BHP

	Field-supplied AK51 x 3/4 in. fixed blower pulley with motor rated at 2.4 hp
	Medium static option with motor rated at 2.4 hp
Bold	High static option with motor rated at 2.4 hp
Bold	Field-supplied AK41 x 3/4 in. fixed blower pulley with motor rated at 2.4 hp
--	Exceeds recommended blower speed

Table 55: WYE06 (5.0 ton) side duct

CFM	Available external static																			
	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
1500	770	0.40	836	0.50	901	0.60	964	0.69	1025	0.79	1084	0.89	1142	0.98	1197	1.07	**1250**	**1.15**	**1300**	**1.23**
1600	779	0.45	845	0.54	910	0.64	973	0.74	1034	0.83	1093	0.93	1151	1.02	1206	1.11	**1259**	**1.20**	**1309**	**1.27**
1700	791	0.50	857	0.60	922	0.69	985	0.79	1046	0.89	1105	0.98	1162	1.07	**1218**	**1.16**	**1271**	**1.25**	**1321**	**1.33**
1800	805	0.56	872	0.66	936	0.75	999	0.85	1060	0.95	1120	1.04	1177	1.13	**1232**	**1.22**	**1285**	**1.31**	**1335**	**1.39**
1900	822	0.63	888	0.72	953	0.82	1016	0.92	1077	1.01	1136	1.11	1194	1.20	**1249**	**1.29**	**1302**	**1.38**	**1352**	**1.46**
2000	841	0.70	907	0.80	972	0.89	1035	0.99	1096	1.09	1155	1.18	**1212**	**1.27**	**1268**	**1.36**	**1321**	**1.45**	**1371**	**1.53**
2100	862	0.78	928	0.87	993	0.97	1056	1.07	1117	1.16	1176	1.26	**1233**	**1.35**	**1289**	**1.44**	**1341**	**1.53**	**1392**	**1.61**
2200	885	0.86	951	0.96	1016	1.05	1079	1.15	1140	1.25	1199	1.34	**1256**	**1.43**	**1311**	**1.52**	**1364**	**1.61**	**1415**	**1.69**
2300	910	0.95	976	1.04	1040	1.14	1103	1.23	1165	1.33	**1224**	**1.43**	**1281**	**1.52**	**1336**	**1.61**	**1389**	**1.69**	**1440**	**1.77**
2400	936	1.03	1002	1.13	1067	1.23	1130	1.32	1191	1.42	**1250**	**1.52**	**1307**	**1.61**	**1362**	**1.70**	**1415**	**1.78**	**1466**	**1.86**
2500	964	1.13	1030	1.22	1095	1.32	1158	1.41	**1219**	**1.51**	**1278**	**1.61**	**1335**	**1.70**	**1390**	**1.79**	**1443**	**1.87**	**1494**	**1.95**

ⓘ **Note:** kW = 0.857 x BHP

	Field-supplied AK51 x 3/4 in.fixed blower pulley with motor rated at 2.4 hp
	Medium static option with motor rated at 2.4 hp
Bold	High static option with motor rated at 2.9 hp

Table 56: WYEA7 (6 ton) side duct

CFM	Available external static																			
	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
1800	532	0.30	592	0.48	647	0.66	698	0.84	746	1.02	793	1.19	842	1.34	892	1.48	**946**	**1.60**	**1006**	**1.69**
1900	540	0.34	600	0.52	655	0.70	706	0.88	754	1.06	802	1.23	850	1.39	900	1.52	**954**	**1.64**	**1014**	**1.73**
2000	548	0.39	609	0.56	664	0.74	714	0.92	763	1.10	810	1.27	859	1.43	909	1.57	**963**	**1.68**	**1023**	**1.77**
2100	558	0.43	618	0.61	673	0.79	724	0.97	772	1.15	820	1.32	868	1.47	918	1.61	**972**	**1.73**	**1032**	**1.82**
2200	567	0.48	628	0.66	683	0.84	733	1.02	782	1.20	829	1.37	877	1.52	928	1.66	**982**	**1.78**	**1042**	**1.86**
2300	578	0.53	638	0.71	693	0.89	744	1.07	792	1.25	839	1.42	888	1.57	938	1.71	**992**	**1.83**	**1052**	**1.91**
2400	588	0.59	648	0.76	703	0.94	754	1.12	802	1.30	850	1.47	898	1.63	948	1.77	**1003**	**1.88**	**1062**	**1.97**
2500	599	0.64	659	0.82	714	1.00	765	1.18	813	1.36	861	1.53	909	1.69	**959**	**1.82**	**1013**	**1.94**	**1073**	**2.03**
2600	610	0.71	670	0.88	725	1.06	776	1.24	824	1.42	872	1.59	920	1.75	**971**	**1.89**	**1025**	**2.00**	**1084**	**2.09**
2700	622	0.77	682	0.95	737	1.13	788	1.31	836	1.49	883	1.66	932	1.81	**982**	**1.95**	**1036**	**2.07**	**1096**	**2.16**
2800	633	0.84	694	1.02	749	1.20	799	1.38	848	1.56	895	1.73	943	1.89	**994**	**2.02**	**1048**	**2.14**	-	-
2900	646	0.92	706	1.09	761	1.27	812	1.46	860	1.63	907	1.80	**956**	**1.96**	**1006**	**2.10**	**1060**	**2.21**	-	-
3000	658	1.00	718	1.17	773	1.35	824	1.54	872	1.71	920	1.88	**968**	**2.04**	**1018**	**2.18**	**1073**	**2.29**	-	-
	Standard Static Option with Motor rated at 2.4 hp																			
	Medium Static Option with Motor rated at 2.4 hp																			
Bold	High Static Option with Motor rated at 3.7 hp																			

Table 57: WYE08 (7.5 ton) side duct

CFM	Available External Static																			
	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
2250	562	0.17	616	0.36	671	0.57	726	0.78	781	1.00	835	1.20	886	1.40	**935**	**1.59**	**979**	**1.75**	**1019**	**1.89**
2400	567	0.26	620	0.45	675	0.65	730	0.87	785	1.08	839	1.29	890	1.49	**939**	**1.67**	**983**	**1.84**	**1023**	**1.97**
2600	572	0.38	625	0.58	680	0.78	736	0.99	790	1.21	844	1.42	895	1.62	**944**	**1.80**	**989**	**1.96**	**1029**	**2.10**
2800	578	0.53	632	0.72	687	0.93	742	1.14	797	1.35	850	1.56	902	1.76	**950**	**1.95**	**995**	**2.11**	**1035**	**2.24**
3000	586	0.69	639	0.88	694	1.08	749	1.30	804	1.51	858	1.72	909	1.92	**958**	**2.10**	**1002**	**2.27**	**1043**	**2.40**
3200	595	0.86	648	1.05	703	1.25	758	1.46	813	1.68	867	1.89	918	2.09	**967**	**2.27**	**1012**	**2.43**	**1052**	**2.57**
3400	606	1.03	660	1.23	714	1.43	770	1.64	824	1.86	878	2.07	930	2.27	**978**	**2.45**	**1023**	**2.61**	**1063**	**2.75**
3600	619	1.22	673	1.41	728	1.62	783	1.83	838	2.04	891	2.25	**943**	**2.45**	**991**	**2.63**	**1036**	**2.80**	**1076**	**2.93**
3750	631	1.36	684	1.55	739	1.76	794	1.97	849	2.19	903	2.39	**954**	**2.59**	**1003**	**2.78**	**1047**	**2.94**	**1087**	**3.08**
ⓘ	**Note:** kW = 0.929 x BHP for Standard and Medium Static options. kW = 0.895 x BHP for High Static option.																			
	Standard Static Option with Motor rated at 2.4 hp																			
	Medium Static Option with Motor rated at 2.4 hp																			
Bold	High Static Option with Motor rated at 3.7 hp																			

WQE04 to 06 side duct application (belt drive)

Table 58: WQE04 (3.0 ton) side duct

CFM	Available external static																			
	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
900			810	0.27	922	0.38	1024	0.49	1118	0.59	1205	0.69	**1285**	**0.80**	**1359**	**0.91**	**1429**	**1.03**	**1496**	**1.16**
1000	703	0.19	826	0.31	938	0.43	1041	0.53	1135	0.64	**1221**	**0.74**	**1301**	**0.85**	**1376**	**0.96**	**1446**	**1.08**	**1513**	**1.21**
1100	721	0.25	843	0.37	956	0.48	1058	0.59	1152	0.69	**1239**	**0.80**	**1319**	**0.90**	**1393**	**1.01**	**1463**	**1.13**	**1530**	**1.26**
1200	738	0.31	861	0.43	973	0.54	1076	0.65	1170	0.75	**1256**	**0.86**	**1336**	**0.96**	**1411**	**1.08**	**1481**	**1.19**	**1548**	**1.33**
1300	756	0.38	879	0.50	991	0.61	1094	0.72	1188	0.82	**1274**	**0.92**	**1354**	**1.03**	**1429**	**1.14**	**1499**	**1.26**	**1566**	**1.39**
1400	774	0.45	897	0.57	1009	0.68	1112	0.79	1206	0.89	**1292**	**1.00**	**1372**	**1.10**	**1447**	**1.21**	**1517**	**1.33**	**1584**	**1.47**
1500	792	0.53	915	0.65	1027	0.76	1129	0.87	**1223**	**0.97**	**1310**	**1.07**	**1390**	**1.18**	**1464**	**1.29**	**1535**	**1.41**	**1602**	**1.54**

ⓘ **Note:** kW = 0.929 x BHP

	Field-supplied AK51 x 3/4 in.fixed blower pulley with motor rated at 2.4 hp
	Medium Static Option with Motor rated at 2.4 hp
Bold	High Static Option with Motor rated at 2.4 hp
Bold	Field-supplied AK41 x 3/4 in.fixed blower pulley with motor rated at 2.4 hp

Table 59: WQE05 (4.0 ton) side duct

CFM	Available external static																			
	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
1200	759	0.28	860	0.38	957	0.49	1050	0.62	1139	0.76	**1224**	**0.89**	**1306**	**1.03**	**1383**	**1.15**	**1457**	**1.26**	**1527**	**1.36**
1300	777	0.34	878	0.44	975	0.55	1068	0.68	1157	0.81	**1242**	**0.95**	**1324**	**1.08**	**1401**	**1.21**	**1475**	**1.32**	**1545**	**1.42**
1400	796	0.40	897	0.50	995	0.61	1088	0.74	1177	0.88	**1262**	**1.01**	**1343**	**1.15**	**1420**	**1.27**	**1494**	**1.38**	**1564**	**1.48**
1500	816	0.46	918	0.56	1015	0.68	1108	0.81	1197	0.94	**1282**	**1.08**	**1363**	**1.21**	**1440**	**1.34**	**1514**	**1.45**	**1584**	**1.54**
1600	837	0.53	938	0.63	1035	0.75	1129	0.88	**1218**	**1.01**	**1303**	**1.15**	**1384**	**1.28**	**1461**	**1.41**	**1535**	**1.52**	**1605**	**1.61**
1700	858	0.61	960	0.71	1057	0.83	1150	0.95	**1239**	**1.09**	**1324**	**1.22**	**1405**	**1.36**	**1482**	**1.48**	**1556**	**1.60**	**1626**	**1.69**
1800	880	0.69	981	0.79	1078	0.91	1171	1.04	**1260**	**1.17**	**1345**	**1.31**	**1427**	**1.44**	**1504**	**1.57**	**1578**	**1.68**	**1648**	**1.77**
1900	902	0.78	1003	0.88	1100	1.00	1193	1.12	**1282**	**1.26**	**1367**	**1.40**	**1448**	**1.53**	**1526**	**1.65**	**1599**	**1.77**	--	--
2000	924	0.88	1025	0.98	1122	1.09	**1215**	**1.22**	**1304**	**1.35**	**1389**	**1.49**	**1470**	**1.62**	**1548**	**1.75**	**1621**	**1.86**	--	--

ⓘ **Note:** kW = 0.929 x BHP

	Field-supplied AK51 x 3/4 in.fixed blower pulley with motor rated at 2.4 hp
	Medium static option with motor rated at 2.4 hp
Bold	High static option with motor rated at 2.4 hp
Bold	Field-supplied AK41 x 3/4 in. fixed blower pulley with motor rated at 2.4 hp
--	Exceeds recommended blower speed

Table 60: WQE06 (5.0 ton) side duct

CFM	Available external static																			
	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
1500	770	0.40	836	0.50	901	0.60	964	0.69	1025	0.79	1084	0.89	1142	0.98	1197	1.07	**1250**	**1.15**	**1300**	**1.23**
1600	779	0.45	845	0.54	910	0.64	973	0.74	1034	0.83	1093	0.93	1151	1.02	1206	1.11	**1259**	**1.20**	**1309**	**1.27**
1700	791	0.50	857	0.60	922	0.69	985	0.79	1046	0.89	1105	0.98	1162	1.07	**1218**	**1.16**	**1271**	**1.25**	**1321**	**1.33**
1800	805	0.56	872	0.66	936	0.75	999	0.85	1060	0.95	1120	1.04	1177	1.13	**1232**	**1.22**	**1285**	**1.31**	**1335**	**1.39**
1900	822	0.63	888	0.72	953	0.82	1016	0.92	1077	1.01	1136	1.11	1194	1.20	**1249**	**1.29**	**1302**	**1.38**	**1352**	**1.46**
2000	841	0.70	907	0.80	972	0.89	1035	0.99	1096	1.09	1155	1.18	**1212**	**1.27**	**1268**	**1.36**	**1321**	**1.45**	**1371**	**1.53**
2100	862	0.78	928	0.87	993	0.97	1056	1.07	1117	1.16	1176	1.26	**1233**	**1.35**	**1289**	**1.44**	**1341**	**1.53**	**1392**	**1.61**
2200	885	0.86	951	0.96	1016	1.05	1079	1.15	1140	1.25	1199	1.34	**1256**	**1.43**	**1311**	**1.52**	**1364**	**1.61**	**1415**	**1.69**
2300	910	0.95	976	1.04	1040	1.14	1103	1.23	1165	1.33	**1224**	**1.43**	**1281**	**1.52**	**1336**	**1.61**	**1389**	**1.69**	**1440**	**1.77**
2400	936	1.03	1002	1.13	1067	1.23	1130	1.32	1191	1.42	**1250**	**1.52**	**1307**	**1.61**	**1362**	**1.70**	**1415**	**1.78**	**1466**	**1.86**
2500	964	1.13	1030	1.22	1095	1.32	1158	1.41	**1219**	**1.51**	**1278**	**1.61**	**1335**	**1.70**	**1390**	**1.79**	**1443**	**1.87**	**1494**	**1.95**

ⓘ **Note:** kW = 0.857 x BHP

	Field-supplied AK51 x 3/4 in. fixed blower pulley with motor rated at 2.4 hp
	Medium static option with motor rated at 2.4 hp
Bold	High static option with motor rated at 2.9 hp

WXEA7 to 12 side duct application (belt drive)

Table 61: WXEA7 (6 ton) side duct

CFM	Available external static																			
	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
1800	845	0.46	901	0.58	959	0.71	1017	0.83	1076	0.96	1133	1.08	1188	1.21	1240	1.34	1288	1.47	1332	1.60
1900	860	0.53	917	0.66	974	0.78	1033	0.91	1091	1.03	1148	1.16	1203	1.28	1255	1.41	1303	1.54	1347	1.68
2000	878	0.62	934	0.74	992	0.86	1050	0.99	1108	1.11	1165	1.24	1220	1.36	1272	1.49	1321	1.62	1365	1.76
2100	897	0.70	954	0.83	1011	0.95	1070	1.08	1128	1.20	1185	1.33	1240	1.45	1292	1.58	1340	1.71	1384	1.84
2200	919	0.80	975	0.92	1033	1.05	1091	1.17	1149	1.29	1206	1.42	1261	1.55	1313	1.68	1362	1.81	1406	1.94
2300	942	0.90	998	1.02	1056	1.15	1114	1.27	1172	1.40	1229	1.52	1284	1.65	1336	1.78	1385	1.91	**1429**	**2.04**
2400	966	1.01	1022	1.14	1080	1.26	1138	1.38	1196	1.51	1253	1.63	1308	1.76	1361	1.89	1409	2.02	**1453**	**2.15**
2500	992	1.13	1048	1.25	1106	1.38	1164	1.50	1222	1.63	1279	1.75	1334	1.88	1386	2.01	**1435**	**2.14**	**1479**	**2.27**
2600	1018	1.26	1075	1.38	1132	1.51	1191	1.63	1249	1.76	1306	1.88	1361	2.01	1413	2.14	**1461**	**2.27**	**1505**	**2.40**
2700	1046	1.40	1102	1.52	1160	1.64	1218	1.77	1276	1.89	1333	2.02	1388	2.14	**1441**	**2.27**	**1489**	**2.40**	**1533**	**2.54**
2800	1075	1.54	1131	1.67	1188	1.79	1247	1.91	1305	2.04	1362	2.16	1417	2.29	**1469**	**2.42**	**1518**	**2.55**	**1561**	**2.68**
2900	1104	1.70	1160	1.82	1218	1.94	1276	2.07	1334	2.19	1391	2.32	**1446**	**2.45**	**1498**	**2.57**	**1547**	**2.70**	**1591**	**2.84**
3000	1134	1.86	1190	1.98	1248	2.11	1306	2.23	1364	2.36	**1421**	**2.48**	**1476**	**2.61**	**1528**	**2.74**	**1577**	**2.87**	**1621**	**3.00**

Note: See Table 47 table to determine the motor sheave setting and to determine the maximum continuous BHP. kW = 0.929 x BHP

	Standard Static Option with Motor rated at 2.4 hp
	Medium Static Option with Motor rated at 2.9 hp
Bold	High Static Option with Motor rated at 3.7 hp

Table 62: WXE08 (7.5 ton) side duct

CFM	Available External Static																			
	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
2250	562	0.17	616	0.36	671	0.57	726	0.78	781	1.00	835	1.20	886	1.40	**935**	**1.59**	**979**	**1.75**	**1019**	**1.89**
2400	567	0.26	620	0.45	675	0.65	730	0.87	785	1.08	839	1.29	890	1.49	**939**	**1.67**	**983**	**1.84**	**1023**	**1.97**
2600	572	0.38	625	0.58	680	0.78	736	0.99	790	1.21	844	1.42	895	1.62	**944**	**1.80**	**989**	**1.96**	**1029**	**2.10**
2800	578	0.53	632	0.72	687	0.93	742	1.14	797	1.35	850	1.56	902	1.76	**950**	**1.95**	**995**	**2.11**	**1035**	**2.24**
3000	586	0.69	639	0.88	694	1.08	749	1.30	804	1.51	858	1.72	909	1.92	**958**	**2.10**	**1002**	**2.27**	**1043**	**2.40**
3200	595	0.86	648	1.05	703	1.25	758	1.46	813	1.68	867	1.89	918	2.09	**967**	**2.27**	**1012**	**2.43**	**1052**	**2.57**
3400	606	1.03	660	1.23	714	1.43	770	1.64	824	1.86	878	2.07	930	2.27	**978**	**2.45**	**1023**	**2.61**	**1063**	**2.75**
3600	619	1.22	673	1.41	728	1.62	783	1.83	838	2.04	891	2.25	**943**	**2.45**	**991**	**2.63**	**1036**	**2.80**	**1076**	**2.93**
3750	631	1.36	684	1.55	739	1.76	794	1.97	849	2.19	903	2.39	**954**	**2.59**	**1003**	**2.78**	**1047**	**2.94**	**1087**	**3.08**

Note: kW = 0.929 x BHP for Standard and Medium Static options. kW = 0.895 x BHP for High Static option.

	Standard Static Option with Motor rated at 2.4 hp
	Medium Static Option with Motor rated at 2.9 hp
Bold	High Static Option with Motor rated at 3.7 hp

Table 63: WXE09 (8.5 ton) side duct

CFM	Available External Static																			
	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
2550	571	0.35	624	0.54	679	0.75	734	0.96	789	1.17	843	1.38	894	1.58	943	1.77	**987**	**1.93**	**1027**	**2.07**
2600	572	0.38	625	0.58	680	0.78	736	0.99	790	1.21	844	1.42	895	1.62	944	1.80	**989**	**1.96**	**1029**	**2.10**
2800	578	0.53	632	0.72	687	0.93	742	1.14	797	1.35	850	1.56	902	1.76	950	1.95	**995**	**2.11**	**1035**	**2.24**
3000	586	0.69	639	0.88	694	1.08	749	1.30	804	1.51	858	1.72	909	1.92	**958**	**2.10**	**1002**	**2.27**	**1043**	**2.40**
3200	595	0.86	648	1.05	703	1.25	758	1.46	813	1.68	867	1.89	918	2.09	**967**	**2.27**	**1012**	**2.43**	**1052**	**2.57**
3400	606	1.03	660	1.23	714	1.43	770	1.64	824	1.86	878	2.07	930	2.27	**978**	**2.45**	**1023**	**2.61**	**1063**	**2.75**
3600	619	1.22	673	1.41	728	1.62	783	1.83	838	2.04	891	2.25	**943**	**2.45**	**991**	**2.63**	**1036**	**2.80**	**1076**	**2.93**
3800	635	1.41	688	1.60	743	1.81	798	2.02	853	2.23	**907**	**2.44**	**958**	**2.64**	**1007**	**2.83**	**1051**	**2.99**	**1091**	**3.13**
4000	652	1.61	706	1.80	761	2.01	816	2.22	**871**	**2.43**	**924**	**2.64**	**976**	**2.84**	**1024**	**3.02**	**1069**	**3.19**	--	--
4200	672	1.81	726	2.00	781	2.21	**836**	**2.42**	**891**	**2.64**	**944**	**2.84**	**996**	**3.04**	**1044**	**3.23**	**1089**	**3.39**	-	-
4250	678	1.86	731	2.06	786	2.26	**841**	**2.47**	**896**	**2.69**	**950**	**2.90**	**1001**	**3.10**	**1050**	**3.28**	**1094**	**3.44**	-	-

Note: kW = 0.929 x BHP for Standard and Medium Static options. kW = 0.895 x BHP for High Static option.

	Standard Static Option with Motor rated at 2.4 hp
	Medium Static Option with Motor rated at 2.9 hp
Bold	High Static Option with Motor rated at 3.7 hp
Bold	Field-supplied AK79 x 1 fixed pulley with Motor rated at 3.7-hpWXEA7 (6 ton) side duct

Table 64: WXE12 (10 ton) side duct

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
3000			665	0.63	707	0.90	750	1.15	795	1.39	842	1.62	888	1.85	935	2.07	980	2.30	**1024**	**2.53**
3200			673	0.79	714	1.06	758	1.31	803	1.56	849	1.79	896	2.01	942	2.24	988	2.47	**1032**	**2.70**
3400			682	0.97	723	1.24	767	1.50	812	1.74	858	1.97	905	2.20	951	2.42	997	2.65	**1041**	**2.88**
3600	654	0.88	692	1.17	733	1.44	777	1.69	822	1.93	868	2.17	915	2.39	961	2.62	1007	2.84	**1051**	**3.08**
3800	665	1.10	704	1.38	745	1.65	788	1.91	834	2.15	880	2.38	927	2.61	973	2.83	**1018**	**3.06**	**1062**	**3.29**
4000	678	1.32	717	1.61	758	1.88	801	2.13	847	2.37	893	2.61	940	2.83	986	3.06	**1032**	**3.28**	**1076**	**3.52**
4200	693	1.57	731	1.85	772	2.12	816	2.37	861	2.62	907	2.85	954	3.07	1000	3.30	**1046**	**3.53**	**1090**	**3.76**
4400	709	1.82	747	2.11	788	2.38	832	2.63	877	2.87	923	3.10	970	3.33	**1016**	**3.55**	**1062**	**3.78**	**1106**	**4.01**
4600	726	2.09	764	2.37	806	2.64	849	2.90	894	3.14	941	3.37	987	3.60	**1034**	**3.82**	**1079**	**4.05**	**1123**	**4.28**
4800	745	2.37	**783**	**2.65**	824	2.92	868	3.18	913	3.42	959	3.65	**1006**	**3.88**	**1052**	**4.10**	**1098**	**4.33**	**1142**	**4.56**
5000	**765**	**2.66**	803	2.95	844	3.22	888	3.47	933	3.71	**979**	**3.94**	**1026**	**4.17**	**1072**	**4.39**	**1118**	**4.62**	**1162**	**4.85**
	Standard Static Option with Motor rated at 2.4 hp																			
	Medium Static Option with Motor rated at 2.9 hp																			
Bold	High Static Option with Motor rated at 3.7 hp																			
Bold	Field-supplied AK84 x 1 fixed pulley with Motor rated at 3.7-hp																			
-	Exceeds recommended blower speed																			

WYE04 to 08 bottom duct application (belt drive)

Table 65: WYE04 (3.0 ton) bottom duct

CFM	Available External Static																			
	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
900	743	0.14	852	0.26	955	0.37	1050	0.48	1140	0.57	**1225**	**0.67**	**1306**	**0.77**	**1384**	**0.87**	**1460**	**0.98**	**1535**	**1.09**
1000	757	0.20	867	0.33	969	0.44	1065	0.54	1155	0.64	**1240**	**0.74**	**1321**	**0.84**	**1399**	**0.94**	**1475**	**1.04**	**1549**	**1.16**
1100	774	0.27	884	0.40	986	0.51	1082	0.61	1172	0.71	**1257**	**0.81**	**1338**	**0.91**	**1416**	**1.01**	**1492**	**1.11**	**1566**	**1.23**
1200	793	0.35	903	0.47	1005	0.58	1101	0.69	1191	0.78	**1276**	**0.88**	**1357**	**0.98**	**1435**	**1.08**	**1511**	**1.19**	**1585**	**1.30**
1300	814	0.42	924	0.54	1026	0.65	1122	0.76	**1212**	**0.86**	**1297**	**0.96**	**1378**	**1.05**	**1456**	**1.15**	**1532**	**1.26**	**1606**	**1.37**
1400	837	0.49	947	0.61	1049	0.72	1145	0.83	**1235**	**0.93**	**1320**	**1.03**	**1401**	**1.12**	**1479**	**1.23**	**1555**	**1.33**	**1629**	**1.45**
1500	862	0.56	972	0.68	1074	0.79	1170	0.90	**1260**	**1.00**	**1345**	**1.09**	**1426**	**1.19**	**1504**	**1.29**	**1580**	**1.40**	--	--

ⓘ **Note:** kW = 0.929 x BHP

	Field-supplied AK51 x 3/4 in.fixed blower pulley with motor rated at 2.4 hp
	Medium static option with motor rated at 2.4 hp
Bold	High static option with motor rated at 2.4 hp
Bold	Field-supplied AK41 x 3/4 in. fixed blower pulley with motor rated at 2.4 hp
--	Exceeds recommended blower speed

Table 66: WYE05 (4.0 ton) bottom duct

CFM	Available External Static																			
	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
1200	801	0.25	903	0.38	999	0.51	1089	0.63	1173	0.76	1252	0.88	1327	1.00	1396	1.11	1461	1.22	1521	1.33
1300	822	0.31	924	0.44	1020	0.57	1110	0.69	1194	0.82	1273	0.94	1348	1.06	1417	1.17	1482	1.28	1542	1.39
1400	844	0.38	946	0.51	1042	0.64	1132	0.76	1216	0.89	1295	1.01	1370	1.13	1439	1.24	1504	1.35	1564	1.46
1500	867	0.46	969	0.59	1065	0.71	1155	0.84	1239	0.96	1319	1.08	1393	1.20	1462	1.32	1527	1.43	1587	1.53
1600	891	0.54	993	0.67	1089	0.79	1179	0.92	1264	1.04	1343	1.16	1417	1.28	1486	1.40	1551	1.51	**1612**	**1.61**
1700	917	0.63	1019	0.75	1115	0.88	1205	1.01	1289	1.13	1368	1.25	1442	1.37	1512	1.48	1577	1.60	**1637**	**1.70**
1800	943	0.72	1045	0.85	1141	0.97	1231	1.10	1316	1.22	1395	1.34	1469	1.46	1538	1.58	**1603**	**1.69**	--	--
1900	971	0.81	1073	0.94	1169	1.07	1259	1.19	1344	1.32	1423	1.44	1497	1.56	1566	1.67	**1631**	**1.78**	--	--
2000	1000	0.92	1102	1.04	1198	1.17	1288	1.29	1372	1.42	1452	1.54	1526	1.66	1595	1.77	--	--	--	--

ⓘ **Note:** kW = 0.929 x BHP

	Medium static option with motor rated at 2.4 hp
	High static option with motor rated at 2.4 hp
Bold	Field-supplied AK41 x 3/4 in.fixed blower pulley with motor rated at 2.4 hp
--	Exceeds recommended blower speed

Table 67: WYE06 (5.0 ton) bottom duct

CFM	Available External Static																			
	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
1500	812	0.36	869	0.46	931	0.55	997	0.64	1063	0.74	1129	0.84	1193	0.94	1253	1.05	1307	1.16	1354	1.27
1600	829	0.43	886	0.52	948	0.61	1013	0.71	1080	0.80	1146	0.90	1210	1.01	1270	1.11	1324	1.22	1370	1.34
1700	846	0.50	904	0.59	966	0.68	1031	0.78	1097	0.87	1164	0.97	1227	1.07	1287	1.18	1341	1.29	1388	1.41
1800	865	0.57	922	0.66	985	0.75	1050	0.85	1116	0.95	1182	1.05	1246	1.15	1306	1.25	1360	1.36	1407	1.48
1900	885	0.65	943	0.74	1005	0.83	1070	0.93	1136	1.02	1203	1.12	1266	1.23	1326	1.33	1380	1.44	1427	1.56
2000	907	0.73	964	0.82	1026	0.92	1092	1.01	1158	1.11	1224	1.21	1288	1.31	1348	1.42	1402	1.53	1449	1.64
2100	930	0.82	987	0.91	1049	1.01	1115	1.10	1181	1.20	1247	1.30	1311	1.40	1371	1.51	1425	1.62	1472	1.73
2200	955	0.92	1012	1.01	1074	1.10	1139	1.20	1206	1.29	1272	1.39	1336	1.50	1396	1.60	1450	1.71	1496	1.83
2300	981	1.02	1038	1.11	1101	1.20	1166	1.30	1232	1.39	1298	1.49	1362	1.60	1422	1.70	1476	1.81	1523	1.93
2400	1009	1.12	1066	1.22	1128	1.31	1194	1.40	1260	1.50	1326	1.60	1390	1.70	1450	1.81	1504	1.92	1551	2.03
2500	1038	1.24	1096	1.33	1158	1.42	1223	1.52	1290	1.61	1356	1.71	1420	1.82	1480	1.92	1534	2.03	1580	2.15

ⓘ **Note:** kW = 0.857 x BHP

	Medium static option with motor rated at 2.4 hp
	High static option with motor rated at 2.9 hp

Table 68: WYEA7 (6 ton) bottom duct

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
1800	517	0.35	592	0.51	661	0.67	723	0.83	779	0.99	832	1.15	881	1.30	927	1.43	**973**	**1.56**	**1017**	**1.66**
1900	526	0.39	601	0.55	670	0.71	732	0.87	789	1.03	841	1.19	890	1.34	937	1.48	**982**	**1.60**	**1026**	**1.71**
2000	535	0.44	611	0.60	679	0.76	741	0.92	798	1.08	850	1.24	899	1.39	946	1.52	**991**	**1.65**	**1036**	**1.76**
2100	544	0.49	620	0.65	688	0.81	750	0.97	807	1.13	859	1.29	908	1.44	**955**	**1.57**	**1000**	**1.70**	**1045**	**1.80**
2200	554	0.54	629	0.70	698	0.86	760	1.02	816	1.18	869	1.34	918	1.49	**964**	**1.63**	**1010**	**1.75**	**1054**	**1.86**
2300	563	0.60	639	0.76	707	0.92	769	1.08	826	1.24	878	1.40	927	1.55	**974**	**1.68**	**1019**	**1.81**	**1064**	**1.91**
2400	573	0.66	649	0.82	717	0.98	779	1.14	836	1.30	888	1.46	937	1.61	**984**	**1.74**	**1029**	**1.87**	**1074**	**1.98**
2500	583	0.73	658	0.88	727	1.04	789	1.20	846	1.37	898	1.52	947	1.67	**994**	**1.81**	**1039**	**1.93**	**1084**	**2.04**
2600	593	0.79	669	0.95	737	1.11	799	1.27	856	1.43	908	1.59	**957**	**1.74**	**1004**	**1.88**	**1049**	**2.00**	**1094**	**2.11**
2700	603	0.87	679	1.02	747	1.18	809	1.35	866	1.51	919	1.66	**968**	**1.81**	**1014**	**1.95**	**1059**	**2.07**	-	-
2800	614	0.94	690	1.10	758	1.26	820	1.42	877	1.58	929	1.74	**978**	**1.89**	**1025**	**2.03**	**1070**	**2.15**	-	-
2900	625	1.02	701	1.18	769	1.34	831	1.50	888	1.66	940	1.82	**989**	**1.97**	**1036**	**2.11**	**1081**	**2.23**	-	-
3000	636	1.11	712	1.27	780	1.43	842	1.59	899	1.75	**951**	**1.91**	**1000**	**2.05**	**1047**	**2.19**	**1092**	**2.32**	-	-

ⓘ **Note:** kW = 0.929 x BHP for Standard and Medium Static options kW = 0.895 x BHP for High Static option

	Standard Static Option with Motor rated at 2.4 hp
	Medium Static Option with Motor rated at 2.9 hp
Bold	High Static Option with Motor rated at 3.7 hp
-	Exceeds recommended blower speed

Table 69: WYE08 (7.5 ton) bottom duct

CFM	Available External Static																			
	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
2250	552	0.25	614	0.43	674	0.63	733	0.83	789	1.02	844	1.22	898	1.41	**950**	**1.58**	**1000**	**1.75**	**1049**	**1.89**
2400	559	0.34	621	0.52	682	0.72	740	0.91	797	1.11	852	1.31	905	1.49	**957**	**1.67**	**1007**	**1.83**	**1056**	**1.98**
2600	569	0.47	631	0.65	691	0.85	750	1.04	806	1.24	861	1.44	915	1.62	**967**	**1.80**	**1017**	**1.96**	**1066**	**2.11**
2800	579	0.61	641	0.79	701	0.99	760	1.19	817	1.38	872	1.58	925	1.77	**977**	**1.94**	**1027**	**2.11**	**1076**	**2.25**
3000	590	0.76	652	0.95	713	1.14	771	1.34	828	1.54	883	1.73	936	1.92	**988**	**2.10**	**1038**	**2.26**	**1087**	**2.40**
3200	602	0.92	665	1.11	725	1.30	783	1.50	840	1.70	895	1.89	948	2.08	**1000**	**2.26**	**1050**	**2.42**	**1099**	**2.57**
3400	616	1.09	678	1.28	738	1.47	797	1.67	854	1.87	909	2.06	**962**	**2.25**	**1014**	**2.43**	**1064**	**2.59**	-	-
3600	631	1.27	693	1.45	754	1.65	812	1.85	869	2.04	924	2.24	**977**	**2.43**	**1029**	**2.60**	**1079**	**2.77**	-	-
3750	644	1.40	706	1.59	766	1.78	824	1.98	881	2.18	936	2.37	**990**	**2.56**	**1041**	**2.74**	**1092**	**2.90**	-	-

ⓘ **Note:** kW = 0.929 x BHP for Standard and Medium Static options kW = 0.895 x BHP for High Static option

	Standard Static Option with Motor rated at 2.4 hp
	Medium Static Option with Motor rated at 2.4 hp
Bold	High Static Option with Motor rated at 3.7 hp
-	Exceeds recommended blower speed

WQE04 to 06 bottom duct application (belt drive)

Table 70: WQE04 (3.0 ton) bottom duct

CFM	Available external static																			
	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
900	743	0.14	852	0.26	955	0.37	1050	0.48	1140	0.57	**1225**	**0.67**	**1306**	**0.77**	**1384**	**0.87**	**1460**	**0.98**	**1535**	**1.09**
1000	757	0.20	867	0.33	969	0.44	1065	0.54	1155	0.64	**1240**	**0.74**	**1321**	**0.84**	**1399**	**0.94**	**1475**	**1.04**	**1549**	**1.16**
1100	774	0.27	884	0.40	986	0.51	1082	0.61	1172	0.71	**1257**	**0.81**	**1338**	**0.91**	**1416**	**1.01**	**1492**	**1.11**	**1566**	**1.23**
1200	793	0.35	903	0.47	1005	0.58	1101	0.69	1191	0.78	**1276**	**0.88**	**1357**	**0.98**	**1435**	**1.08**	**1511**	**1.19**	**1585**	**1.30**
1300	814	0.42	924	0.54	1026	0.65	1122	0.76	**1212**	**0.86**	**1297**	**0.96**	**1378**	**1.05**	**1456**	**1.15**	**1532**	**1.26**	**1606**	**1.37**
1400	837	0.49	947	0.61	1049	0.72	1145	0.83	**1235**	**0.93**	**1320**	**1.03**	**1401**	**1.12**	**1479**	**1.23**	**1555**	**1.33**	**1629**	**1.45**
1500	862	0.56	972	0.68	1074	0.79	1170	0.90	**1260**	**1.00**	**1345**	**1.09**	**1426**	**1.19**	**1504**	**1.29**	**1580**	**1.40**	--	--

ⓘ **Note:** kW = 0.929 x BHP

	Field-supplied AK51 x 3/4 in. fixed blower pulley with motor rated at 2.4 hp
	Medium static option with motor rated at 2.4 hp
Bold	High static option with motor rated at 2.4 hp
Bold	Field-supplied AK41 x 3/4 in. fixed blower pulley with motor rated at 2.4 hp
--	Exceeds recommended blower speed

Table 71: WQE05 (4.0 ton) bottom duct

CFM	Available external static																			
	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
1200	801	0.25	903	0.38	999	0.51	1089	0.63	1173	0.76	1252	0.88	1327	1.00	1396	1.11	1461	1.22	1521	1.33
1300	822	0.31	924	0.44	1020	0.57	1110	0.69	1194	0.82	1273	0.94	1348	1.06	1417	1.17	1482	1.28	1542	1.39
1400	844	0.38	946	0.51	1042	0.64	1132	0.76	1216	0.89	1295	1.01	1370	1.13	1439	1.24	1504	1.35	1564	1.46
1500	867	0.46	969	0.59	1065	0.71	1155	0.84	1239	0.96	1319	1.08	1393	1.20	1462	1.32	1527	1.43	1587	1.53
1600	891	0.54	993	0.67	1089	0.79	1179	0.92	1264	1.04	1343	1.16	1417	1.28	1486	1.40	1551	1.51	**1612**	**1.61**
1700	917	0.63	1019	0.75	1115	0.88	1205	1.01	1289	1.13	1368	1.25	1442	1.37	1512	1.48	1577	1.60	**1637**	**1.70**
1800	943	0.72	1045	0.85	1141	0.97	1231	1.10	1316	1.22	1395	1.34	1469	1.46	1538	1.58	**1603**	**1.69**	--	--
1900	971	0.81	1073	0.94	1169	1.07	1259	1.19	1344	1.32	1423	1.44	1497	1.56	1566	1.67	**1631**	**1.78**	--	--
2000	1000	0.92	1102	1.04	1198	1.17	1288	1.29	1372	1.42	1452	1.54	1526	1.66	1595	1.77	--	--	--	--

ⓘ **Note:** kW = 0.929 x BHP

	Medium static option with motor rated at 2.4 hp
	High static option with motor rated at 2.4 hp
Bold	Field-supplied AK41 x 3/4 in. fixed blower pulley with motor rated at 2.4 hp
--	Exceeds recommended blower speed

Table 72: WQE06 (5.0 ton) bottom duct

CFM	Available external static																			
	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
1500	812	0.36	869	0.46	931	0.55	997	0.64	1063	0.74	1129	0.84	1193	0.94	1253	1.05	1307	1.16	1354	1.27
1600	829	0.43	886	0.52	948	0.61	1013	0.71	1080	0.80	1146	0.90	1210	1.01	1270	1.11	1324	1.22	1370	1.34
1700	846	0.50	904	0.59	966	0.68	1031	0.78	1097	0.87	1164	0.97	1227	1.07	1287	1.18	1341	1.29	1388	1.41
1800	865	0.57	922	0.66	985	0.75	1050	0.85	1116	0.95	1182	1.05	1246	1.15	1306	1.25	1360	1.36	1407	1.48
1900	885	0.65	943	0.74	1005	0.83	1070	0.93	1136	1.02	1203	1.12	1266	1.23	1326	1.33	1380	1.44	1427	1.56
2000	907	0.73	964	0.82	1026	0.92	1092	1.01	1158	1.11	1224	1.21	1288	1.31	1348	1.42	1402	1.53	1449	1.64
2100	930	0.82	987	0.91	1049	1.01	1115	1.10	1181	1.20	1247	1.30	1311	1.40	1371	1.51	1425	1.62	1472	1.73
2200	955	0.92	1012	1.01	1074	1.10	1139	1.20	1206	1.29	1272	1.39	1336	1.50	1396	1.60	1450	1.71	1496	1.83
2300	981	1.02	1038	1.11	1101	1.20	1166	1.30	1232	1.39	1298	1.49	1362	1.60	1422	1.70	1476	1.81	1523	1.93
2400	1009	1.12	1066	1.22	1128	1.31	1194	1.40	1260	1.50	1326	1.60	1390	1.70	1450	1.81	1504	1.92	1551	2.03
2500	1038	1.24	1096	1.33	1158	1.42	1223	1.52	1290	1.61	1356	1.71	1420	1.82	1480	1.92	1534	2.03	1580	2.15

ⓘ **Note:** kW = 0.857 x BHP

	Medium static option with motor rated at 2.4 hp
	High static option with motor rated at 2.9 hp

WXEA7 to 12 bottom duct application (belt drive)

Table 73: WXEA7 (6 ton) bottom duct

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
1800	843	0.55	911	0.66	975	0.79	1035	0.93	1092	1.07	1148	1.21	1203	1.36	1258	1.49	1316	1.62	1376	1.74
1900	870	0.62	939	0.74	1003	0.86	1063	1.00	1120	1.14	1175	1.29	1230	1.43	1286	1.56	1343	1.69	1404	1.81
2000	898	0.70	967	0.82	1031	0.95	1090	1.08	1147	1.22	1203	1.37	1258	1.51	1314	1.64	1371	1.77	**1432**	**1.89**
2100	926	0.79	995	0.91	1059	1.04	1119	1.17	1176	1.31	1231	1.46	1286	1.60	1342	1.73	1399	1.86	**1460**	**1.98**
2200	955	0.89	1023	1.01	1087	1.14	1147	1.27	1204	1.41	1260	1.56	1315	1.70	1370	1.83	**1428**	**1.96**	**1488**	**2.08**
2300	983	1.00	1052	1.12	1116	1.24	1176	1.38	1233	1.52	1288	1.67	1343	1.81	1399	1.94	**1456**	**2.07**	**1517**	**2.19**
2400	1012	1.12	1081	1.23	1145	1.36	1205	1.50	1262	1.64	1317	1.79	1372	1.93	**1428**	**2.06**	**1485**	**2.19**	**1546**	**2.31**
2500	1041	1.25	1110	1.36	1173	1.49	1233	1.63	1290	1.77	1346	1.91	1401	2.06	**1457**	**2.19**	**1514**	**2.32**	**1574**	**2.44**
2600	1070	1.38	1139	1.50	1202	1.63	1262	1.77	1319	1.91	1375	2.05	**1430**	**2.19**	**1485**	**2.33**	**1543**	**2.46**	**1603**	**2.57**
2700	1098	1.53	1167	1.65	1231	1.78	1291	1.91	1348	2.06	1404	2.20	**1459**	**2.34**	**1514**	**2.48**	**1572**	**2.60**	**1632**	**2.72**
2800	1127	1.69	1196	1.80	1260	1.93	1320	2.07	1377	2.21	**1432**	**2.36**	**1487**	**2.50**	**1543**	**2.63**	**1600**	**2.76**	-	-
2900	1156	1.85	1225	1.97	1289	2.10	1348	2.24	1406	2.38	**1461**	**2.52**	**1516**	**2.66**	**1572**	**2.80**	**1629**	**2.93**	-	-
3000	1184	2.03	1253	2.14	1317	2.27	1377	2.41	**1434**	**2.55**	**1490**	**2.69**	**1545**	**2.84**	**1600**	**2.97**	**1658**	**3.10**	-	-
ⓘ	**Note:** See Table 47 table to determine the motor sheave setting and to determine the maximum continuous BHP. kW = 0.929 x BHP																			
	Standard Static Option with Motor rated at 2.4 hp																			
	Medium Static Option with Motor rated at 2.4 hp																			
Bold	High Static Option with Motor rated at 3.7 hp																			
-	Exceeds recommended blower speed																			

Table 74: WXE08 (7.5 ton) bottom duct

CFM	Available External Static																			
	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
2250	552	0.25	614	0.43	674	0.63	733	0.83	789	1.02	844	1.22	898	1.41	**950**	**1.58**	**1000**	**1.75**	**1049**	**1.89**
2400	559	0.34	621	0.52	682	0.72	740	0.91	797	1.11	852	1.31	905	1.49	**957**	**1.67**	**1007**	**1.83**	**1056**	**1.98**
2600	569	0.47	631	0.65	691	0.85	750	1.04	806	1.24	861	1.44	915	1.62	**967**	**1.80**	**1017**	**1.96**	**1066**	**2.11**
2800	579	0.61	641	0.79	701	0.99	760	1.19	817	1.38	872	1.58	925	1.77	**977**	**1.94**	**1027**	**2.11**	**1076**	**2.25**
3000	590	0.76	652	0.95	713	1.14	771	1.34	828	1.54	883	1.73	936	1.92	**988**	**2.10**	**1038**	**2.26**	**1087**	**2.40**
3200	602	0.92	665	1.11	725	1.30	783	1.50	840	1.70	895	1.89	948	2.08	**1000**	**2.26**	**1050**	**2.42**	**1099**	**2.57**
3400	616	1.09	678	1.28	738	1.47	797	1.67	854	1.87	909	2.06	**962**	**2.25**	**1014**	**2.43**	**1064**	**2.59**	-	-
3600	631	1.27	693	1.45	754	1.65	812	1.85	869	2.04	924	2.24	**977**	**2.43**	**1029**	**2.60**	**1079**	**2.77**	-	-
3750	644	1.40	706	1.59	766	1.78	824	1.98	881	2.18	936	2.37	**990**	**2.56**	**1041**	**2.74**	**1092**	**2.90**	-	-
ⓘ	**Note:** kW = 0.929 x BHP																			
	Standard Static Option with Motor rated at 2.4 hp																			
	Medium Static Option with Motor rated at 2.4 hp																			
Bold	High Static Option with Motor rated at 3.7 hp																			
-	Exceeds recommended blower speed																			

Table 75: WXE09 (8.5 ton) bottom duct

CFM	Available External Static																			
	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
2550	567	0.43	629	0.62	689	0.81	747	1.01	804	1.21	859	1.40	912	1.59	**964**	**1.77**	**1014**	**1.93**	**1063**	**2.07**
2600	569	0.47	631	0.65	691	0.85	750	1.04	806	1.24	861	1.44	915	1.62	**967**	**1.80**	**1017**	**1.96**	**1066**	**2.11**
2800	579	0.61	641	0.79	701	0.99	760	1.19	817	1.38	872	1.58	925	1.77	**977**	**1.94**	**1027**	**2.11**	**1076**	**2.25**
3000	590	0.76	652	0.95	713	1.14	771	1.34	828	1.54	883	1.73	936	1.92	**988**	**2.10**	**1038**	**2.26**	**1087**	**2.40**
3200	602	0.92	665	1.11	725	1.30	783	1.50	840	1.70	895	1.89	948	2.08	**1000**	**2.26**	**1050**	**2.42**	**1099**	**2.57**
3400	616	1.09	678	1.28	738	1.47	797	1.67	854	1.87	909	2.06	**962**	**2.25**	**1014**	**2.43**	**1064**	**2.59**	--	--
3600	631	1.27	693	1.45	754	1.65	812	1.85	869	2.04	924	2.24	**977**	**2.43**	**1029**	**2.60**	**1079**	**2.77**	--	--
3800	648	1.45	710	1.64	770	1.83	829	2.03	885	2.23	**940**	**2.42**	**994**	**2.61**	**1046**	**2.78**	**1096**	**2.95**	-	-
4000	666	1.64	729	1.82	789	2.01	847	2.21	**904**	**2.41**	**959**	**2.61**	**1012**	**2.79**	**1064**	**2.97**	-	-	-	-
4200	687	1.82	749	2.01	809	2.20	**867**	**2.42**	**924**	**2.60**	**979**	**2.79**	**1032**	**2.98**	**1084**	**3.16**	-	-	-	-
4250	692	1.87	754	2.06	814	2.25	**873**	**2.45**	**929**	**2.65**	**984**	**2.84**	**1038**	**3.03**	**1090**	**3.21**	-	-	-	-
ⓘ	**Note:** kW = 0.929 x BHP for Standard and Medium Static options. kW = 0.895 x BHP for High Static option.																			
	Standard Static Option with Motor rated at 2.4 hp																			
	Medium Static Option with Motor rated at 2.4 hp																			
Bold	High Static Option with Motor rated at 3.7 hp																			
-	Exceeds recommended blower speed																			

Table 76: WXE12 (10 ton) bottom duct

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
3000			665	0.84	715	1.05	763	1.25	809	1.45	855	1.64	901	1.84	947	2.04	995	2.26	**1045**	**2.48**
3200			675	1.01	726	1.22	774	1.42	820	1.61	866	1.81	911	2.01	958	2.21	1005	2.42	**1055**	**2.65**
3400			687	1.19	737	1.40	785	1.60	832	1.80	878	1.99	923	2.19	970	2.40	1017	2.61	**1067**	**2.83**
3600			700	1.39	750	1.60	798	1.80	845	2.00	891	2.20	936	2.39	983	2.60	**1030**	**2.81**	**1080**	**3.04**
3800	662	1.39	715	1.61	765	1.82	813	2.02	859	2.22	905	2.41	951	2.61	997	2.81	**1045**	**3.03**	**1094**	**3.25**
4000	677	1.62	730	1.84	780	2.05	828	2.26	875	2.45	921	2.65	966	2.85	1013	3.05	**1060**	**3.26**	**1110**	**3.49**
4200	694	1.87	747	2.09	797	2.30	845	2.50	892	2.70	937	2.90	983	3.09	**1029**	**3.30**	**1077**	**3.51**	**1127**	**3.74**
4400	712	2.13	765	2.35	815	2.57	863	2.77	910	2.96	956	3.16	1001	3.36	**1048**	**3.56**	**1095**	**3.77**	**1145**	**4.00**
4600	732	2.41	**785**	**2.63**	835	2.84	883	3.04	929	3.24	975	3.44	1021	3.63	**1067**	**3.84**	**1115**	**4.05**	**1165**	**4.28**
4800	**752**	**2.70**	805	2.92	856	3.13	904	3.33	950	3.53	**996**	**3.73**	**1041**	**3.92**	**1088**	**4.13**	**1135**	**4.34**	-	-
5000	**774**	**3.00**	827	3.22	878	3.43	925	3.64	**972**	**3.83**	**1018**	**4.03**	**1063**	**4.23**	**1110**	**4.43**	**1157**	**4.64**	-	-
	Standard Static Option with Motor rated at 2.4 hp																			
	Medium Static Option with Motor rated at 2.4 hp																			
Bold	High Static Option with Motor rated at 3.7 hp																			
Bold	High Static Option with Motor rated at 5.25 hp																			
-	Exceeds recommended blower speed																			

WYE04 to 06 side duct application (direct drive)

Table 77: WYE04-06 side duct

Unit (ton)	Motor speed	Available external static													
		0.2			0.4			0.6			0.8			1.0		
		CFM	Watts	RPM	CFM	Watts	RPM	CFM	Watts	RPM	CFM	Watts	RPM	CFM	Watts	RPM
WYE04 (3)	1 (Low)	987	120	651	813	145	774	698	162	864	541	180	959	383	201	1047
	2 (Med/Low)	1079	144	677	936	171	795	793	190	886	692	214	975	521	232	1063
	3 (Med)	1153	166	701	1037	195	812	875	221	913	786	239	986	654	263	1076
	4 (Med/Hi)	1191	178	712	1086	206	815	927	233	916	837	257	998	711	278	1083
	5 (Hi)	1326	229	757	1235	261	856	1124	291	951	973	319	1035	896	336	1099
WYE05 (4)	1 (Low)	1302	207	727	1188	240	841	1037	266	933	941	296	1022	882	318	1098
	2 (Med/Low)	1421	247	757	1323	282	861	1209	315	958	1064	346	1043	993	368	1116
	3 (Med)	1538	297	795	1453	332	888	1343	367	982	1216	396	1058	1093	427	1146
	4 (Med/Hi)	1571	315	809	1496	352	898	1385	389	996	1288	420	1072	1135	444	1147
	5 (Hi)	1779	432	878	1707	470	960	1615	511	1042	1516	544	1123	1165	468	1160
WYE06 (5)	1 (Low)	1588	298	695	1517	330	761	1409	358	835	1273	393	913	1167	418	973
	2 (Med/Low)	1756	395	760	1640	420	820	1525	444	875	1421	467	920	1305	496	1005
	3 (Med)	1942	504	792	1881	536	852	1800	565	908	1714	605	969	1611	644	1038
	4 (Med/Hi)	2146	631	840	2064	692	908	2001	713	954	1932	757	1007	1843	794	1065
	5 (Hi)	2316	812	892	2240	861	954	2181	894	1000	2113	938	1045	2003	946	1093

WYE04 to 06 bottom duct application (direct drive)

Table 78: WYE04-06 bottom duct

Unit (ton)	Motor speed	Available external static														
		0.2			0.4			0.6			0.8			1.0		
		CFM	Watts	RPM	CFM	Watts	RPM	CFM	Watts	RPM	CFM	Watts	RPM	CFM	Watts	RPM
WYE04 (3)	1 (Low)	929	128	699	782	148	794	663	164	880	514	187	976	377	202	1053
	2 (Med/Low)	1036	157	732	870	177	827	803	198	905	649	217	996	508	236	1074
	3 (Med)	1106	181	760	956	204	849	878	225	928	755	245	1010	616	266	1092
	4 (Med/Hi)	1147	197	776	1042	218	860	916	243	944	820	262	1017	671	286	1103
	5 (Hi)	1272	252	830	1177	277	909	1037	304	986	975	323	1053	872	347	1125
WYE05 (4)	1 (Low)	1256	220	776	1170	242	851	1077	266	931	988	298	1025	872	321	1113
	2 (Med/Low)	1350	272	828	1279	292	893	1196	320	966	1105	347	1048	1003	372	1131
	3 (Med)	1449	323	866	1380	350	937	1303	370	996	1223	402	1071	1133	428	1149
	4 (Med/Hi)	1488	345	882	1418	374	954	1357	394	1006	1264	424	1083	1160	442	1155
	5 (Hi)	1677	471	966	1602	507	1034	1543	525	1083	1475	545	1131	1209	465	1162
WYE06 (5)	1 (Low)	1548	310	720	1441	336	792	1337	370	864	1213	397	928	1097	421	988
	2 (Med/Low)	1686	395	745	1570	429	820	1445	462	888	1351	490	953	1235	522	1016
	3 (Med)	1880	532	827	1792	563	890	1719	588	944	1632	629	1006	1527	652	1061
	4 (Med/Hi)	2066	689	895	1999	712	942	1907	761	999	1830	773	1048	1734	809	1100
	5 (Hi)	2237	862	949	2163	882	996	2097	929	1036	1998	946	1085	1815	883	1115

WQE04 to 06 side duct application (direct drive)

Table 79: WQE04-06 side duct

Unit (ton)	Motor speed	Available external static													
		0.2			0.4			0.6			0.8			1.0		
		CFM	Watts	RPM	CFM	Watts	RPM	CFM	Watts	RPM	CFM	Watts	RPM	CFM	Watts	RPM
WQE04 (3)	1 (Low)	987	120	651	813	145	774	698	162	864	541	180	959	383	201	1047
	2 (Med/Low)	1079	144	677	936	171	795	793	190	886	692	214	975	521	232	1063
	3 (Med)	1153	166	701	1037	195	812	875	221	913	786	239	986	654	263	1076
	4 (Med/Hi)	1191	178	712	1086	206	815	927	233	916	837	257	998	711	278	1083
	5 (Hi)	1326	229	757	1235	261	856	1124	291	951	973	319	1035	896	336	1099
WQE05 (4)	1 (Low)	1302	207	727	1188	240	841	1037	266	933	941	296	1022	882	318	1098
	2 (Med/Low)	1421	247	757	1323	282	861	1209	315	958	1064	346	1043	993	368	1116
	3 (Med)	1538	297	795	1453	332	888	1343	367	982	1216	396	1058	1093	427	1146
	4 (Med/Hi)	1571	315	809	1496	352	898	1385	389	996	1288	420	1072	1135	444	1147
	5 (Hi)	1779	432	878	1707	470	960	1615	511	1042	1516	544	1123	1165	468	1160
WQE06 (5)	1 (Low)	1588	298	695	1517	330	761	1409	358	835	1273	393	913	1167	418	973
	2 (Med/Low)	1756	395	760	1640	420	820	1525	444	875	1421	467	920	1305	496	1005
	3 (Med)	1942	504	792	1881	536	852	1800	565	908	1714	605	969	1611	644	1038
	4 (Med/Hi)	2146	631	840	2064	692	908	2001	713	954	1932	757	1007	1843	794	1065
	5 (Hi)	2316	812	892	2240	861	954	2181	894	1000	2113	938	1045	2003	946	1093

WQE04 to 06 bottom duct application (direct drive)

Table 80: WQE04-06 bottom duct

Unit (ton)	Motor speed	Available external static													
		0.2			0.4			0.6			0.8			1.0		
		CFM	Watts	RPM	CFM	Watts	RPM	CFM	Watts	RPM	CFM	Watts	RPM	CFM	Watts	RPM
WQE04 (3)	1 (Low)	929	128	699	782	148	794	663	164	880	514	187	976	377	202	1053
	2 (Med/Low)	1036	157	732	870	177	827	803	198	905	649	217	996	508	236	1074
	3 (Med)	1106	181	760	956	204	849	878	225	928	755	245	1010	616	266	1092
	4 (Med/Hi)	1147	197	776	1042	218	860	916	243	944	820	262	1017	671	286	1103
	5 (Hi)	1272	252	830	1177	277	909	1037	304	986	975	323	1053	872	347	1125
WQE05 (4)	1 (Low)	1256	220	776	1170	242	851	1077	266	931	988	298	1025	872	321	1113
	2 (Med/Low)	1350	272	828	1279	292	893	1196	320	966	1105	347	1048	1003	372	1131
	3 (Med)	1449	323	866	1380	350	937	1303	370	996	1223	402	1071	1133	428	1149
	4 (Med/Hi)	1488	345	882	1418	374	954	1357	394	1006	1264	424	1083	1160	442	1155
	5 (Hi)	1677	471	966	1602	507	1034	1543	525	1083	1475	545	1131	1209	465	1162
WQE06 (5)	1 (Low)	1548	310	720	1441	336	792	1337	370	864	1213	397	928	1097	421	988
	2 (Med/Low)	1686	395	745	1570	429	820	1445	462	888	1351	490	953	1235	522	1016
	3 (Med)	1880	532	827	1792	563	890	1719	588	944	1632	629	1006	1527	652	1061
	4 (Med/Hi)	2066	689	895	1999	712	942	1907	761	999	1830	773	1048	1734	809	1100
	5 (Hi)	2237	862	949	2163	882	996	2097	929	1036	1998	946	1085	1815	883	1115

Power exhaust blower curves

Figure 2: 208/280-1-60 power exhaust fan curve

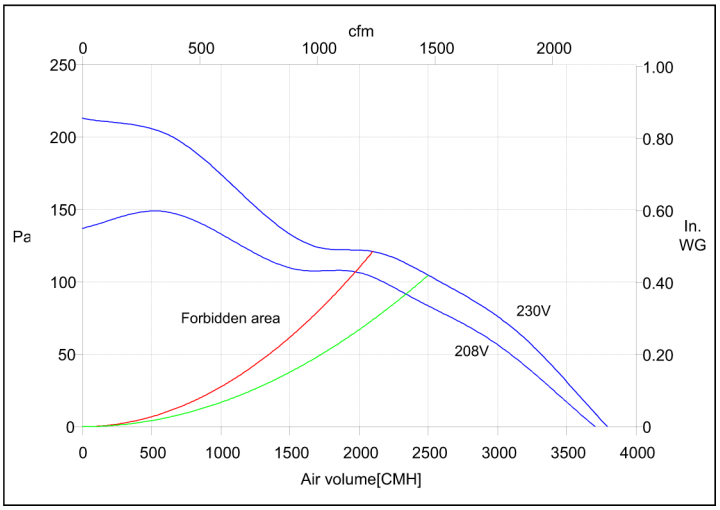


Figure 3: 460-3-60 power exhaust fan curve

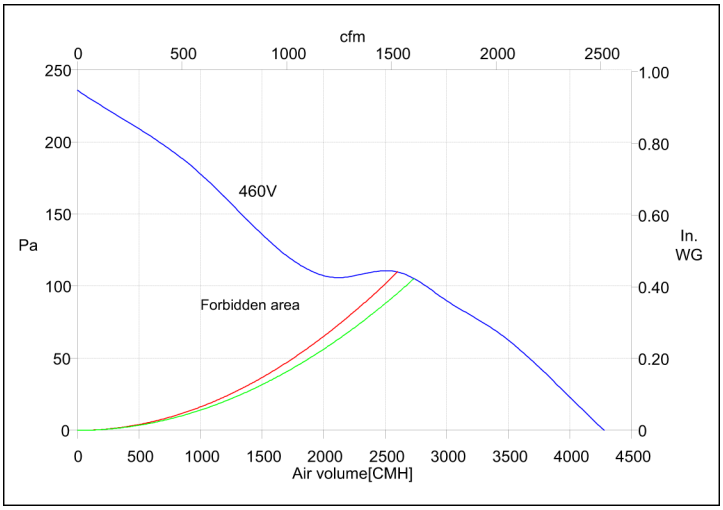


Figure 4: 208/280-3-60 power exhaust fan curve

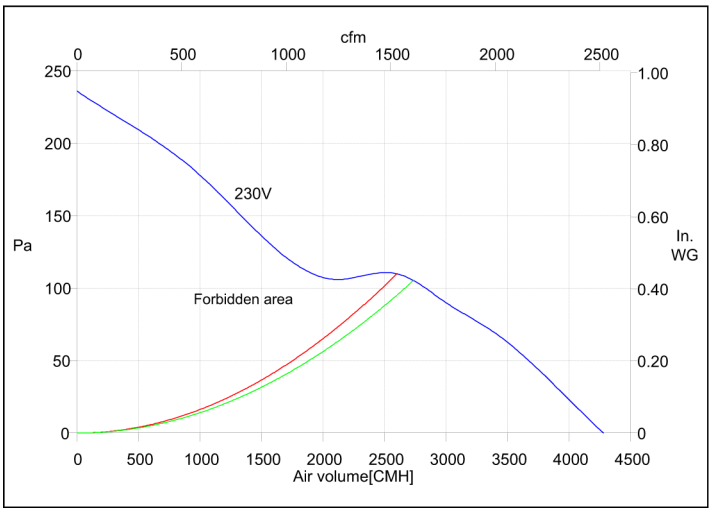
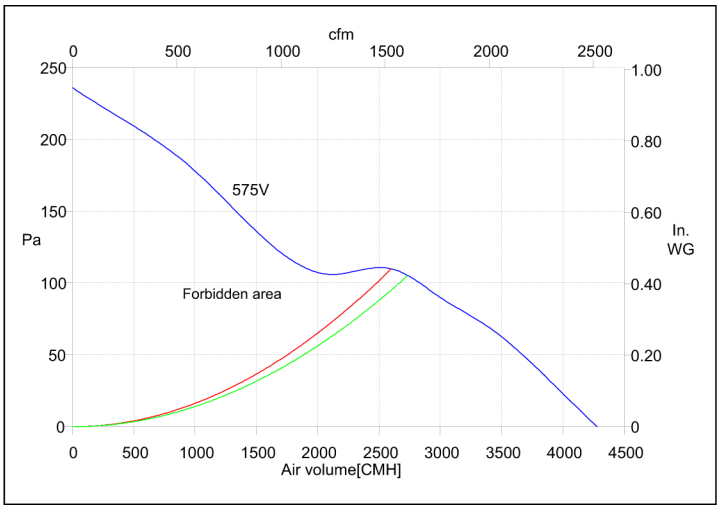


Figure 5: 575-3-50 power exhaust fan curve



Electrical data

Note: This note applies to all electrical data tables.

- MCA = Minimum circuit ampacity.
- Max fuse = Dual element, time delay type.
- Breaker size = HACR type per NEC.
- Minimum disconnect rating = Non-fused disconnect, verify on the unit nameplate that the disconnect is properly sized for the application. Units with field-installed electric heat kits may exceed the factory-installed disconnect amperage rating.

WQE electrical data

Table 81: WQE04 to 06 standard indoor blower without powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field-installed kit 2EK045*				MCA (amps)	Min fuse /breaker size (amps)	Max fuse /breaker size (amps)	Min disconnect rating		MCAw/pwr exh (amps)	Min fuse/breaker size w/pwr exh (amps)	Max fuse/ breaker size/pwr exh (amps)	Min disconnect rating/ pwr exh	
		RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
04 (3)	208-1-60	16.7	93.5	26	2	6.6	1.5	—	None	—	—	—	29.5	30	45	29	100	31	35	45	31	103
									10625	4.9	1	23.6	59	60	60	56	124	60.5	70	70	58	127
									11125	7.9	1	38	77	80	80	73	138	78.5	80	80	75	141
	230-1-60	16.7	93.5	26	2.3	6	1.3	—	None	—	—	—	29.2	30	45	29	100	30.5	35	45	30	103
									10625	6.5	1	27.1	63.1	70	70	60	128	64.4	70	70	61	130
									11125	10.5	1	43.8	84	90	90	79	144	85.3	90	90	81	147
	208-3-60	12.2	97.5	19	2	6.6	1.1	—	None	—	—	—	23.9	25	35	24	104	25	25	35	25	106
									10625	4.9	1	13.6	40.9	45	45	40	118	42	45	50	41	120
									11125	7.9	1	21.9	51.3	60	60	49	126	52.4	60	60	50	128
									11625	12	1	33.3	65.5	70	70	62	137	66.6	70	70	63	140
	230-3-60	12.2	97.5	19	2.3	6	1	—	None	—	—	—	23.6	25	35	24	104	24.6	25	35	25	107
									10625	6.5	1	15.6	43.1	45	50	42	120	44.1	45	50	43	122
									11125	10.5	1	25.3	55.2	60	60	53	130	56.2	60	60	54	132
									11625	16	1	38.5	71.7	80	80	68	143	72.7	80	80	69	145
	460-3-60	5.8	44.3	9	1.3	3.2	0.5	—	None	—	—	—	11.8	15	15	12	49	12.3	15	15	12	50
									10646	6	1	7.2	20.8	25	25	20	56	21.3	25	25	21	58
									11146	11.5	1	13.8	29.1	30	30	28	63	29.6	30	30	28	64
									11446	14	1	16.8	32.8	35	35	31	66	33.3	35	35	32	67
	575-3-60	4.5	27.1	7	1	6	0.4	—	None	—	—	—	9	15	15	9	30	9.4	15	15	10	31
									11058	9.2	1	8.9	20.1	25	25	19	39	20.5	25	25	20	40
									11458	13.8	1	13.3	25.6	30	30	24	44	26	30	30	25	44

Table 81: WQE04 to 06 standard indoor blower without powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field-installed kit 2EK045*				MCA (amps)	Min fuse /breaker size (amps)	Max fuse /breaker size (amps)	Min disconnect rating		MCAw/pwr exh (amps)	Min fuse/breaker size w/pwr exh (amps)	Max fuse/ breaker size/pwr exh (amps)	Min disconnect rating/ pwr exh	
		RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
05 (4)	208-1-60	19.4	102	30	2	8.4	1.5	—	None	—	—	—	34.7	35	50	34	108	36.2	40	50	36	112
									10625	4.9	1	23.6	64.2	70	70	61	132	65.7	70	70	63	135
									11125	7.9	1	38	82.2	90	90	78	146	83.7	90	90	80	150
	230-1-60	19.4	102	30	2.3	7.6	1.3	—	None	—	—	—	34.2	35	50	34	109	35.5	40	50	35	112
									10625	6.5	1	27.1	68.1	70	80	65	136	69.4	70	80	66	139
									11125	10.5	1	43.8	89	90	90	84	153	90.3	100	100	86	156
	208-3-60	12	123	19	2	8.4	1.1	—	None	—	—	—	25.4	30	35	26	129	26.5	30	35	27	132
									10625	4.9	1	13.6	42.4	45	50	41	143	43.5	45	50	43	146
									11125	7.9	1	21.9	52.8	60	60	51	151	53.9	60	60	52	154
									11625	12	1	33.3	67	70	70	64	163	68.1	70	70	65	165
	230-3-60	12	123	19	2.3	7.6	1	—	None	—	—	—	24.9	25	35	25	130	25.9	30	35	26	132
									10625	6.5	1	15.6	44.4	45	50	43	146	45.4	50	50	44	148
									11125	10.5	1	25.3	56.5	60	60	54	155	57.5	60	60	55	158
									11625	16	1	38.5	73	80	80	69	168	74	80	80	71	171
	460-3-60	6.3	60	10	1.3	4	0.5	—	None	—	—	—	13.2	15	15	13	65	13.7	15	15	14	66
									10646	6	1	7.2	22.2	25	25	22	72	22.7	25	25	22	73
									11146	11.5	1	13.8	30.5	35	35	29	79	31	35	35	30	80
									11446	14	1	16.8	34.2	35	35	33	82	34.7	35	35	33	83
	575-3-60	4.4	41	7	1	7.6	0.4	—	None	—	—	—	9.5	15	15	10	44	9.9	15	15	10	45
									11058	9.2	1	8.9	20.6	25	25	20	53	21	25	25	20	54
									11458	13.8	1	13.3	26.1	30	30	25	57	26.5	30	30	25	58
06 (5)	208-1-60	22.5	148	35	2	8.4	1.5	—	None	—	—	—	38.5	40	60	38	154	40	40	60	40	158
									10625	4.9	1	23.6	68	70	80	65	178	69.5	70	80	67	181
									11125	7.9	1	38	86	90	90	82	192	87.5	90	100	83	196
	230-1-60	22.5	148	35	2.3	7.6	1.3	—	None	—	—	—	38	40	60	37	155	39.3	40	60	39	158
									10625	6.5	1	27.1	71.9	80	80	68	182	73.2	80	80	70	185
									11125	10.5	1	43.8	92.8	100	100	88	199	94.1	100	100	89	202
	208-3-60	13.1	93	20	2	8.4	1.1	—	None	—	—	—	26.8	30	35	27	99	27.9	30	40	28	102
									10625	4.9	1	13.6	43.8	45	50	43	113	44.9	45	50	44	116
									11125	7.9	1	21.9	54.2	60	60	52	121	55.3	60	60	53	124
									11625	12	1	33.3	68.4	70	70	65	133	69.5	70	70	67	135
	230-3-60	13.1	93	20	2.3	7.6	1	—	None	—	—	—	26.3	30	35	26	100	27.3	30	40	28	102
									10625	6.5	1	15.6	45.8	50	50	44	116	46.8	50	50	46	118
									11125	10.5	1	25.3	57.9	60	60	56	125	58.9	60	60	57	128
									11625	16	1	38.5	74.4	80	80	71	138	75.4	80	80	72	141
	460-3-60	6.6	60	10	1.3	4	0.5	—	None	—	—	—	13.6	15	20	14	65	14.1	15	20	14	66
									10646	6	1	7.2	22.6	25	25	22	72	23.1	25	25	23	73
									11146	11.5	1	13.8	30.9	35	35	30	79	31.4	35	35	30	80
									11446	14	1	16.8	34.6	35	35	33	82	35.1	40	40	34	83
	575-3-60	4.8	41	8	1	7.6	0.4	—	None	—	—	—	10	15	15	10	44	10.4	15	15	11	45
									11458	13.8	1	13.3	26.6	30	30	25	57	27	30	30	26	58
									12358	23	1	22.1	37.6	40	40	36	66	38	40	40	36	67

Table 82: WQE04-06 standard indoor blower with powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field-installed kit 2EK045*				MCA (amps)	Min fuse /breaker size (amps)	Max fuse /breaker size (amps)	Min disconnect rating		MCAw/pwr exh (amps)	Min fuse/breaker size w/pwr exh (amps)	Max fuse/ breaker size/pwr exh (amps)	Min disconnect rating/ pwr exh	
		RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
04 (3)	208-1-60	16.7	93.5	26	2	6.6	1.5	8.6	None	—	—	—	33.8	35	50	34	104	35.3	40	50	36	108
									10625	4.9	1	23.6	63.3	70	70	61	128	64.8	70	70	63	131
									11125	7.9	1	38	81.3	90	90	78	142	82.8	90	90	79	146
	230-1-60	16.7	93.5	26	2.3	6	1.3	8.6	None	—	—	—	33.5	35	50	34	105	34.8	35	50	35	108
									10625	6.5	1	27.1	67.4	70	70	65	132	68.7	70	70	66	135
									11125	10.5	1	43.8	88.3	90	90	84	149	89.6	90	90	86	151
	208-3-60	12.2	97.5	19	2	6.6	1.1	8.6	None	—	—	—	28.2	30	40	29	108	29.3	30	40	30	111
									10625	4.9	1	13.6	45.2	50	50	45	122	46.3	50	50	46	124
									11125	7.9	1	21.9	55.6	60	60	54	130	56.7	60	60	55	133
									11625	12	1	33.3	69.8	70	70	67	142	70.9	80	80	68	144
	230-3-60	12.2	97.5	19	2.3	6	1	8.6	None	—	—	—	27.9	30	40	29	109	28.9	30	40	30	111
									10625	6.5	1	15.6	47.4	50	50	46	124	48.4	50	50	48	127
									11125	10.5	1	25.3	59.5	60	60	58	134	60.5	70	70	59	136
									11625	16	1	38.5	76	80	80	73	147	77	80	80	74	150
	460-3-60	5.8	44.3	9	1.3	3.2	0.5	8.6	None	—	—	—	14	15	15	14	51	14.5	15	15	15	52
									10646	6	1	7.2	23	25	25	23	59	23.5	25	25	23	60
									11146	11.5	1	13.8	31.3	35	35	30	65	31.8	35	35	31	66
									11446	14	1	16.8	35	35	35	34	68	35.5	40	40	34	69
	575-3-60	4.5	27.1	7	1	6	0.4	8.6	None	—	—	—	10.7	15	15	11	32	11.1	15	15	12	33
									11058	9.2	1	8.9	21.8	25	25	21	41	22.2	25	25	22	42
									11458	13.8	1	13.3	27.3	30	30	26	45	27.7	30	30	27	46
05 (4)	208-1-60	19.4	102	30	2	8.4	1.5	8.6	None	—	—	—	39	40	50	39	113	40.5	45	50	41	116
									10625	4.9	1	23.6	68.5	70	80	66	136	70	70	80	68	140
									11125	7.9	1	38	86.5	90	90	83	151	88	90	90	85	154
	230-1-60	19.4	102	30	2.3	7.6	1.3	8.6	None	—	—	—	38.5	40	50	39	113	39.8	40	50	40	116
									10625	6.5	1	27.1	72.4	80	80	70	140	73.7	80	80	71	143
									11125	10.5	1	43.8	93.3	100	100	89	157	94.6	100	100	91	160
	208-3-60	12	123	19	2	8.4	1.1	8.6	None	—	—	—	29.7	30	40	31	134	30.8	35	40	32	136
									10625	4.9	1	13.6	46.7	50	50	46	147	47.8	50	50	48	150
									11125	7.9	1	21.9	57.1	60	60	56	156	58.2	60	60	57	158
									11625	12	1	33.3	71.3	80	80	69	167	72.4	80	80	70	170
	230-3-60	12	123	19	2.3	7.6	1	8.6	None	—	—	—	29.2	30	40	30	134	30.2	35	40	31	137
									10625	6.5	1	15.6	48.7	50	50	48	150	49.7	50	50	49	152
									11125	10.5	1	25.3	60.8	70	70	59	160	61.8	70	70	60	162
									11625	16	1	38.5	77.3	80	80	74	173	78.3	80	80	76	175
	460-3-60	6.3	60	10	1.3	4	0.5	8.6	None	—	—	—	15.4	20	20	16	67	15.9	20	20	16	68
									10646	6	1	7.2	24.4	25	25	24	74	24.9	25	25	25	75
									11146	11.5	1	13.8	32.7	35	35	32	81	33.2	35	35	32	82
									11446	14	1	16.8	36.4	40	40	35	84	36.9	40	40	36	85
	575-3-60	4.4	41	7	1	7.6	0.4	8.6	None	—	—	—	11.3	15	15	12	46	11.7	15	15	12	47
									11058	9.2	1	8.9	22.4	25	25	22	55	22.8	25	25	22	56
									11458	13.8	1	13.3	27.9	30	30	27	59	28.3	30	30	27	60

Table 82: WQE04-06 standard indoor blower with powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field-installed kit 2EK045*				MCA (amps)	Min fuse /breaker size (amps)	Max fuse /breaker size (amps)	Min disconnect rating		MCAw/pwr exh (amps)	Min fuse/breaker size w/pwr exh (amps)	Max fuse/ breaker size/pwr exh (amps)	Min disconnect rating/ pwr exh	
		RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
06 (5)	208-1-60	22.5	148	35	2	8.4	1.5	8.6	None	—	—	—	42.8	45	60	43	159	44.3	45	60	45	162
									10625	4.9	1	23.6	72.3	80	80	70	182	73.8	80	90	72	186
									11125	7.9	1	38	90.3	100	100	86	197	91.8	100	100	88	200
	230-1-60	22.5	148	35	2.3	7.6	1.3	8.6	None	—	—	—	42.3	45	60	42	159	43.6	45	60	44	162
									10625	6.5	1	27.1	76.2	80	90	73	186	77.5	80	90	75	189
									11125	10.5	1	43.8	97.1	100	100	93	203	98.4	100	100	94	206
	208-3-60	13.1	93	20	2	8.4	1.1	8.6	None	—	—	—	31.1	35	40	32	104	32.2	35	45	33	106
									10625	4.9	1	13.6	48.1	50	50	48	117	49.2	50	50	49	120
									11125	7.9	1	21.9	58.5	60	60	57	126	59.6	60	60	58	128
									11625	12	1	33.3	72.7	80	80	70	137	73.8	80	80	72	140
	230-3-60	13.1	93	20	2.3	7.6	1	8.6	None	—	—	—	30.6	35	40	31	104	31.6	35	40	33	107
									10625	6.5	1	15.6	50.1	60	60	49	120	51.1	60	60	50	122
									11125	10.5	1	25.3	62.2	70	70	60	130	63.2	70	70	62	132
									11625	16	1	38.5	78.7	80	80	76	143	79.7	80	80	77	145
	460-3-60	6.6	60	10	1.3	4	0.5	8.6	None	—	—	—	15.8	20	20	16	67	16.3	20	20	17	68
									10646	6	1	7.2	24.8	25	25	24	74	25.3	30	30	25	75
									11146	11.5	1	13.8	33.1	35	35	32	81	33.6	35	35	33	82
									11446	14	1	16.8	36.8	40	40	36	84	37.3	40	40	36	85
	575-3-60	4.8	41	8	1	7.6	0.4	8.6	None	—	—	—	11.8	15	15	12	46	12.2	15	15	13	47
									11458	13.8	1	13.3	28.4	30	30	27	59	28.8	30	30	28	60
									12358	23	1	22.1	39.4	40	40	38	68	39.8	40	40	38	69

Table 83: WQE04-06 medium indoor blower without powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field-installed kit 2EK045*				MCA (amps)	Min fuse /breaker size (amps)	Max fuse /breaker size (amps)	Min disconnect rating		MCAw/pwr exh (amps)	Min fuse/breaker size w/pwr exh (amps)	Max fuse/ breaker size/pwr exh (amps)	Min disconnect rating/ pwr exh	
		RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
04 (3)	208-1-60	16.7	93.5	26	2	7.6	1.5	—	None	—	—	—	30.5	35	45	30	131	32	35	45	32	134
									10625	4.9	1	23.6	60	60	70	57	155	61.5	70	70	59	158
									11125	7.9	1	38	78	80	80	74	169	79.5	80	80	76	172
	230-1-60	16.7	93.5	26	2.3	7	1.3	—	None	—	—	—	30.2	35	45	30	134	31.5	35	45	31	137
									10625	6.5	1	27.1	64.1	70	70	61	161	65.4	70	70	63	164
									11125	10.5	1	43.8	85	90	90	80	178	86.3	90	90	82	181
	208-3-60	12.2	97.5	19	2	5.2	1.1	—	None	—	—	—	22.5	25	30	22	124	23.6	25	35	24	127
									10625	4.9	1	13.6	39.5	40	45	38	138	40.6	45	45	39	140
									11125	7.9	1	21.9	49.9	50	50	47	146	51	60	60	49	149
									11625	12	1	33.3	64.1	70	70	61	158	65.2	70	70	62	160
	230-3-60	12.2	97.5	19	2.3	5.2	1	—	None	—	—	—	22.8	25	30	23	127	23.8	25	35	24	130
									10625	6.5	1	15.6	42.3	45	50	41	143	43.3	45	50	42	145
									11125	10.5	1	25.3	54.4	60	60	52	153	55.4	60	60	53	155
									11625	16	1	38.5	70.9	80	80	67	166	71.9	80	80	68	168
	460-3-60	5.8	44.3	9	1.3	2.6	0.5	—	None	—	—	—	11.2	15	15	11	60	11.7	15	15	12	61
									10646	6	1	7.2	20.2	25	25	19	67	20.7	25	25	20	68
									11146	11.5	1	13.8	28.5	30	30	27	74	29	30	30	28	75
									11446	14	1	16.8	32.2	35	35	30	77	32.7	35	35	31	78
	575-3-60	4.5	27.1	7	1	2	0.4	—	None	—	—	—	8.6	15	15	9	39	9	15	15	9	40
									11058	9.2	1	8.9	19.7	20	20	19	48	20.1	25	25	19	49
									11458	13.8	1	13.3	25.2	30	30	24	53	25.6	30	30	24	54
05 (4)	208-1-60	19.4	102	30	2	7.6	1.5	—	None	—	—	—	33.9	35	50	33	139	35.4	40	50	35	143
									10625	4.9	1	23.6	63.4	70	70	60	163	64.9	70	70	62	166
									11125	7.9	1	38	81.4	90	90	77	177	82.9	90	90	79	181
	230-1-60	19.4	102	30	2.3	7	1.3	—	None	—	—	—	33.6	35	50	33	142	34.9	35	50	35	145
									10625	6.5	1	27.1	67.5	70	80	64	170	68.8	70	80	66	172
									11125	10.5	1	43.8	88.4	90	90	83	186	89.7	90	90	85	189
	208-3-60	12	123	19	2	5.2	1.1	—	None	—	—	—	22.2	25	30	22	150	23.3	25	35	23	152
									10625	4.9	1	13.6	39.2	40	45	38	163	40.3	45	45	39	166
									11125	7.9	1	21.9	49.6	50	50	47	172	50.7	60	60	49	174
									11625	12	1	33.3	63.8	70	70	60	183	64.9	70	70	62	186
	230-3-60	12	123	19	2.3	5.2	1	—	None	—	—	—	22.5	25	30	22	153	23.5	25	35	24	155
									10625	6.5	1	15.6	42	45	50	40	169	43	45	50	42	171
									11125	10.5	1	25.3	54.1	60	60	52	178	55.1	60	60	53	181
									11625	16	1	38.5	70.6	80	80	67	191	71.6	80	80	68	194
	460-3-60	6.3	60	10	1.3	2.6	0.5	—	None	—	—	—	11.8	15	15	12	75	12.3	15	15	12	77
									10646	6	1	7.2	20.8	25	25	20	83	21.3	25	25	21	84
									11146	11.5	1	13.8	29.1	30	30	28	89	29.6	30	30	28	90
									11446	14	1	16.8	32.8	35	35	31	92	33.3	35	35	32	93
	575-3-60	4.4	41	7	1	2	0.4	—	None	—	—	—	8.5	15	15	9	53	8.9	15	15	9	54
									11058	9.2	1	8.9	19.6	20	20	19	62	20	20	20	19	63
									11458	13.8	1	13.3	25.1	30	30	24	67	25.5	30	30	24	68

Table 83: WQE04-06 medium indoor blower without powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field-installed kit 2EK045*				MCA (amps)	Min fuse /breaker size (amps)	Max fuse /breaker size (amps)	Min disconnect rating		MCAw/pwr exh (amps)	Min fuse/breaker size w/pwr exh (amps)	Max fuse/ breaker size/pwr exh (amps)	Min disconnect rating/ pwr exh	
		RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
06 (5)	208-1-60	22.5	148	35	2	6.8	1.5	—	None	—	—	—	36.9	40	50	36	185	38.4	40	60	38	188
									10625	4.9	1	23.6	66.4	70	80	63	209	67.9	70	80	65	212
									11125	7.9	1	38	84.4	90	90	80	223	85.9	90	90	81	226
	230-1-60	22.5	148	35	2.3	6.2	1.3	—	None	—	—	—	36.6	40	50	36	186	37.9	40	60	37	189
									10625	6.5	1	27.1	70.5	80	80	67	213	71.8	80	80	68	216
									11125	10.5	1	43.8	91.4	100	100	86	230	92.7	100	100	88	233
	208-3-60	13.1	93	20	2	7	1.1	—	None	—	—	—	25.4	30	35	25	158	26.5	30	35	27	160
									10625	4.9	1	13.6	42.4	45	50	41	171	43.5	45	50	42	174
									11125	7.9	1	21.9	52.8	60	60	51	179	53.9	60	60	52	182
									11625	12	1	33.3	67	70	70	64	191	68.1	70	70	65	193
	230-3-60	13.1	93	20	2.3	7.2	1	—	None	—	—	—	25.9	30	35	26	160	26.9	30	35	27	162
									10625	6.5	1	15.6	45.4	50	50	44	175	46.4	50	50	45	178
									11125	10.5	1	25.3	57.5	60	60	55	185	58.5	60	60	56	187
									11625	16	1	38.5	74	80	80	70	198	75	80	80	71	201
	460-3-60	6.6	60	10	1.3	3.6	0.5	—	None	—	—	—	13.2	15	15	13	94	13.7	15	15	14	95
									10646	6	1	7.2	22.2	25	25	22	101	22.7	25	25	22	102
									11146	11.5	1	13.8	30.5	35	35	29	108	31	35	35	30	109
									11446	14	1	16.8	34.2	35	35	33	111	34.7	35	35	33	112
	575-3-60	4.8	41	8	1	2.5	0.4	—	None	—	—	—	9.5	15	15	10	61	9.9	15	15	10	62
									11458	13.8	1	13.3	26.1	30	30	25	74	26.5	30	30	25	75
									12358	23	1	22.1	37.1	40	40	35	83	37.5	40	40	35	84

Table 84: WQE04-06 medium indoor blower with powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field-installed kit 2EK045*				MCA (amps)	Min fuse /breaker size (amps)	Max fuse /breaker size (amps)	Min disconnect rating		MCAw/pwr exh (amps)	Min fuse/breaker size w/pwr exh (amps)	Max fuse/ breaker size/pwr exh (amps)	Min disconnect rating/ pwr exh	
		RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
04 (3)	208-1-60	16.7	93.5	26	2	7.6	1.5	8.6	None	—	—	—	34.8	35	50	35	135	36.3	40	50	37	139
									10625	4.9	1	23.6	64.3	70	70	62	159	65.8	70	70	64	162
									11125	7.9	1	38	82.3	90	90	79	173	83.8	90	90	81	177
	230-1-60	16.7	93.5	26	2.3	7	1.3	8.6	None	—	—	—	34.5	35	50	35	138	35.8	40	50	36	141
									10625	6.5	1	27.1	68.4	70	70	66	165	69.7	70	70	68	168
									11125	10.5	1	43.8	89.3	90	90	85	182	90.6	100	100	87	185
	208-3-60	12.2	97.5	19	2	5.2	1.1	8.6	None	—	—	—	26.8	30	35	27	129	27.9	30	40	29	131
									10625	4.9	1	13.6	43.8	45	50	43	142	44.9	45	50	44	145
									11125	7.9	1	21.9	54.2	60	60	52	151	55.3	60	60	54	153
									11625	12	1	33.3	68.4	70	70	66	162	69.5	70	70	67	164
	230-3-60	12.2	97.5	19	2.3	5.2	1	8.6	None	—	—	—	27.1	30	35	28	132	28.1	30	40	29	134
									10625	6.5	1	15.6	46.6	50	50	46	147	47.6	50	50	47	150
									11125	10.5	1	25.3	58.7	60	60	57	157	59.7	60	60	58	159
									11625	16	1	38.5	75.2	80	80	72	170	76.2	80	80	73	173
	460-3-60	5.8	44.3	9	1.3	2.6	0.5	8.6	None	—	—	—	13.4	15	15	14	62	13.9	15	15	14	63
									10646	6	1	7.2	22.4	25	25	22	69	22.9	25	25	23	70
									11146	11.5	1	13.8	30.7	35	35	30	76	31.2	35	35	30	77
									11446	14	1	16.8	34.4	35	35	33	79	34.9	35	35	34	80
	575-3-60	4.5	27.1	7	1	2	0.4	8.6	None	—	—	—	10.3	15	15	11	41	10.7	15	15	11	42
									11058	9.2	1	8.9	21.4	25	25	21	50	21.8	25	25	21	51
									11458	13.8	1	13.3	26.9	30	30	26	54	27.3	30	30	26	55
05 (4)	208-1-60	19.4	102	30	2	7.6	1.5	8.6	None	—	—	—	38.2	40	50	38	144	39.7	40	50	40	147
									10625	4.9	1	23.6	67.7	70	80	65	167	69.2	70	80	67	171
									11125	7.9	1	38	85.7	90	90	82	182	87.2	90	90	84	185
	230-1-60	19.4	102	30	2.3	7	1.3	8.6	None	—	—	—	37.9	40	50	38	147	39.2	40	50	39	150
									10625	6.5	1	27.1	71.8	80	80	69	174	73.1	80	80	71	177
									11125	10.5	1	43.8	92.7	100	100	88	191	94	100	100	90	193
	208-3-60	12	123	19	2	5.2	1.1	8.6	None	—	—	—	26.5	30	35	27	154	27.6	30	35	28	157
									10625	4.9	1	13.6	43.5	45	50	43	168	44.6	45	50	44	170
									11125	7.9	1	21.9	53.9	60	60	52	176	55	60	60	53	179
									11625	12	1	33.3	68.1	70	70	65	187	69.2	70	70	67	190
	230-3-60	12	123	19	2.3	5.2	1	8.6	None	—	—	—	26.8	30	35	27	157	27.8	30	35	29	160
									10625	6.5	1	15.6	46.3	50	50	45	173	47.3	50	50	46	175
									11125	10.5	1	25.3	58.4	60	60	56	183	59.4	60	60	58	185
									11625	16	1	38.5	74.9	80	80	72	196	75.9	80	80	73	198
	460-3-60	6.3	60	10	1.3	2.6	0.5	8.6	None	—	—	—	14	15	20	14	78	14.5	15	20	15	79
									10646	6	1	7.2	23	25	25	23	85	23.5	25	25	23	86
									11146	11.5	1	13.8	31.3	35	35	30	91	31.8	35	35	31	92
									11446	14	1	16.8	35	35	35	34	94	35.5	40	40	34	95
	575-3-60	4.4	41	7	1	2	0.4	8.6	None	—	—	—	10.2	15	15	10	55	10.6	15	15	11	56
									11058	9.2	1	8.9	21.3	25	25	21	64	21.7	25	25	21	65
									11458	13.8	1	13.3	26.8	30	30	26	68	27.2	30	30	26	69

Table 84: WQE04-06 medium indoor blower with powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field-installed kit 2EK045*				MCA (amps)	Min fuse /breaker size (amps)	Max fuse /breaker size (amps)	Min disconnect rating		MCAw/pwr exh (amps)	Min fuse/breaker size w/pwr exh (amps)	Max fuse/ breaker size/pwr exh (amps)	Min disconnect rating/ pwr exh	
		RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
06 (5)	208-1-60	22.5	148	35	2	6.8	1.5	8.6	None	—	—	—	41.2	45	60	41	189	42.7	45	60	43	193
									10625	4.9	1	23.6	70.7	80	80	68	213	72.2	80	80	70	216
									11125	7.9	1	38	88.7	90	100	85	227	90.2	100	100	86	231
	230-1-60	22.5	148	35	2.3	6.2	1.3	8.6	None	—	—	—	40.9	45	60	41	190	42.2	45	60	42	193
									10625	6.5	1	27.1	74.8	80	90	72	217	76.1	80	90	73	220
									11125	10.5	1	43.8	95.7	100	100	91	234	97	100	100	92	237
	208-3-60	13.1	93	20	2	7	1.1	8.6	None	—	—	—	29.7	30	40	30	162	30.8	35	40	32	164
									10625	4.9	1	13.6	46.7	50	50	46	175	47.8	50	50	47	178
									11125	7.9	1	21.9	57.1	60	60	56	184	58.2	60	60	57	186
									11625	12	1	33.3	71.3	80	80	69	195	72.4	80	80	70	198
	230-3-60	13.1	93	20	2.3	7.2	1	8.6	None	—	—	—	30.2	35	40	31	164	31.2	35	40	32	166
									10625	6.5	1	15.6	49.7	50	50	49	180	50.7	60	60	50	182
									11125	10.5	1	25.3	61.8	70	70	60	189	62.8	70	70	61	192
									11625	16	1	38.5	78.3	80	80	75	203	79.3	80	80	76	205
	460-3-60	6.6	60	10	1.3	3.6	0.5	8.6	None	—	—	—	15.4	20	20	16	96	15.9	20	20	16	97
									10646	6	1	7.2	24.4	25	25	24	103	24.9	25	25	25	104
									11146	11.5	1	13.8	32.7	35	35	32	110	33.2	35	35	32	111
									11446	14	1	16.8	36.4	40	40	35	113	36.9	40	40	36	114
	575-3-60	4.8	41	8	1	2.5	0.4	8.6	None	—	—	—	11.2	15	15	12	63	11.6	15	15	12	64
									11458	13.8	1	13.3	27.8	30	30	27	76	28.2	30	30	27	77
									12358	23	1	22.1	38.8	40	40	37	85	39.2	40	40	37	86

Table 85: WQE04-06 high indoor blower without powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field-installed kit 2EK045*				MCA (amps)	Min fuse /breaker size (amps)	Max fuse /breaker size (amps)	Min disconnect rating		MCAw/pwr exh (amps)	Min fuse/breaker size w/pwr exh (amps)	Max fuse/ breaker size/pwr exh (amps)	Min disconnect rating/ pwr exh	
		RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
04 (3)	208-3-60	12.2	97.5	19	2	5.2	1.1	—	None	—	—	—	22.5	25	30	22	124	23.6	25	35	24	127
									10625	4.9	1	13.6	39.5	40	45	38	138	40.6	45	45	39	140
									11125	7.9	1	21.9	49.9	50	50	47	146	51	60	60	49	149
									11625	12	1	33.3	64.1	70	70	61	158	65.2	70	70	62	160
	230-3-60	12.2	97.5	19	2.3	5.2	1	—	None	—	—	—	22.8	25	30	23	127	23.8	25	35	24	130
									10625	6.5	1	15.6	42.3	45	50	41	143	43.3	45	50	42	145
									11125	10.5	1	25.3	54.4	60	60	52	153	55.4	60	60	53	155
									11625	16	1	38.5	70.9	80	80	67	166	71.9	80	80	68	168
	460-3-60	5.8	44.3	9	1.3	2.6	0.5	—	None	—	—	—	11.2	15	15	11	60	11.7	15	15	12	61
									10646	6	1	7.2	20.2	25	25	19	67	20.7	25	25	20	68
									11146	11.5	1	13.8	28.5	30	30	27	74	29	30	30	28	75
									11446	14	1	16.8	32.2	35	35	30	77	32.7	35	35	31	78
	575-3-60	4.5	27.1	7	1	2	0.4	—	None	—	—	—	8.6	15	15	9	39	9	15	15	9	40
									11058	9.2	1	8.9	19.7	20	20	19	48	20.1	25	25	19	49
									11458	13.8	1	13.3	25.2	30	30	24	53	25.6	30	30	24	54
05 (4)	208-3-60	12	123	19	2	5.2	1.1	—	None	—	—	—	22.2	25	30	22	150	23.3	25	35	23	152
									10625	4.9	1	13.6	39.2	40	45	38	163	40.3	45	45	39	166
									11125	7.9	1	21.9	49.6	50	50	47	172	50.7	60	60	49	174
									11625	12	1	33.3	63.8	70	70	60	183	64.9	70	70	62	186
	230-3-60	12	123	19	2.3	5.2	1	—	None	—	—	—	22.5	25	30	22	153	23.5	25	35	24	155
									10625	6.5	1	15.6	42	45	50	40	169	43	45	50	42	171
									11125	10.5	1	25.3	54.1	60	60	52	178	55.1	60	60	53	181
									11625	16	1	38.5	70.6	80	80	67	191	71.6	80	80	68	194
	460-3-60	6.3	60	10	1.3	2.6	0.5	—	None	—	—	—	11.8	15	15	12	75	12.3	15	15	12	77
									10646	6	1	7.2	20.8	25	25	20	83	21.3	25	25	21	84
									11146	11.5	1	13.8	29.1	30	30	28	89	29.6	30	30	28	90
									11446	14	1	16.8	32.8	35	35	31	92	33.3	35	35	32	93
	575-3-60	4.4	41	7	1	2	0.4	—	None	—	—	—	8.5	15	15	9	53	8.9	15	15	9	54
									11058	9.2	1	8.9	19.6	20	20	19	62	20	20	20	19	63
									11458	13.8	1	13.3	25.1	30	30	24	67	25.5	30	30	24	68
06 (5)	208-3-60	13.1	93	20	2	8.9	1.1	—	None	—	—	—	27.3	30	40	28	174	28.4	30	40	29	177
									10625	4.9	1	13.6	44.3	45	50	43	188	45.4	50	50	45	190
									11125	7.9	1	21.9	54.7	60	60	53	196	55.8	60	60	54	199
									11625	12	1	33.3	68.9	70	70	66	208	70	80	80	67	210
	230-3-60	13.1	93	20	2.3	8.2	1	—	None	—	—	—	26.9	30	35	27	177	27.9	30	40	28	179
									10625	6.5	1	15.6	46.4	50	50	45	193	47.4	50	50	46	195
									11125	10.5	1	25.3	58.5	60	60	56	202	59.5	60	60	57	205
									11625	16	1	38.5	75	80	80	71	215	76	80	80	73	218
	460-3-60	6.6	60	10	1.3	4.1	0.5	—	None	—	—	—	13.7	15	20	14	97	14.2	15	20	14	99
									10646	6	1	7.2	22.7	25	25	22	105	23.2	25	25	23	106
									11146	11.5	1	13.8	31	35	35	30	111	31.5	35	35	30	112
									11446	14	1	16.8	34.7	35	35	33	114	35.2	40	40	34	115
	575-3-60	4.8	41	8	1	3.2	0.4	—	None	—	—	—	10.2	15	15	10	69	10.6	15	15	11	70
									11458	13.8	1	13.3	26.8	30	30	26	83	27.2	30	30	26	84
									12358	23	1	22.1	37.8	40	40	36	92	38.2	40	40	36	92

Table 86: WQE04-06 high indoor blower with powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field-installed kit 2EK045*				MCA (amps)	Min fuse /breaker size (amps)	Max fuse /breaker size (amps)	Min disconnect rating		MCAw/pwr exh (amps)	Min fuse/breaker size w/pwr exh (amps)	Max fuse/ breaker size/pwr exh (amps)	Min disconnect rating/ pwr exh	
		RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
04 (3)	208-3-60	12.2	97.5	19	2	5.2	1.1	8.6	None	—	—	—	26.8	30	35	27	129	27.9	30	40	29	131
									10625	4.9	1	13.6	43.8	45	50	43	142	44.9	45	50	44	145
									11125	7.9	1	21.9	54.2	60	60	52	151	55.3	60	60	54	153
									11625	12	1	33.3	68.4	70	70	66	162	69.5	70	70	67	164
	230-3-60	12.2	97.5	19	2.3	5.2	1	8.6	None	—	—	—	27.1	30	35	28	132	28.1	30	40	29	134
									10625	6.5	1	15.6	46.6	50	50	46	147	47.6	50	50	47	150
									11125	10.5	1	25.3	58.7	60	60	57	157	59.7	60	60	58	159
									11625	16	1	38.5	75.2	80	80	72	170	76.2	80	80	73	173
	460-3-60	5.8	44.3	9	1.3	2.6	0.5	8.6	None	—	—	—	13.4	15	15	14	62	13.9	15	15	14	63
									10646	6	1	7.2	22.4	25	25	22	69	22.9	25	25	23	70
									11146	11.5	1	13.8	30.7	35	35	30	76	31.2	35	35	30	77
									11446	14	1	16.8	34.4	35	35	33	79	34.9	35	35	34	80
	575-3-60	4.5	27.1	7	1	2	0.4	8.6	None	—	—	—	10.3	15	15	11	41	10.7	15	15	11	42
									11058	9.2	1	8.9	21.4	25	25	21	50	21.8	25	25	21	51
									11458	13.8	1	13.3	26.9	30	30	26	54	27.3	30	30	26	55
05 (4)	208-3-60	12	123	19	2	5.2	1.1	8.6	None	—	—	—	26.5	30	35	27	154	27.6	30	35	28	157
									10625	4.9	1	13.6	43.5	45	50	43	168	44.6	45	50	44	170
									11125	7.9	1	21.9	53.9	60	60	52	176	55	60	60	53	179
									11625	12	1	33.3	68.1	70	70	65	187	69.2	70	70	67	190
	230-3-60	12	123	19	2.3	5.2	1	8.6	None	—	—	—	26.8	30	35	27	157	27.8	30	35	29	160
									10625	6.5	1	15.6	46.3	50	50	45	173	47.3	50	50	46	175
									11125	10.5	1	25.3	58.4	60	60	56	183	59.4	60	60	58	185
									11625	16	1	38.5	74.9	80	80	72	196	75.9	80	80	73	198
	460-3-60	6.3	60	10	1.3	2.6	0.5	8.6	None	—	—	—	14	15	20	14	78	14.5	15	20	15	79
									10646	6	1	7.2	23	25	25	23	85	23.5	25	25	23	86
									11146	11.5	1	13.8	31.3	35	35	30	91	31.8	35	35	31	92
									11446	14	1	16.8	35	35	35	34	94	35.5	40	40	34	95
	575-3-60	4.4	41	7	1	2	0.4	8.6	None	—	—	—	10.2	15	15	10	55	10.6	15	15	11	56
									11058	9.2	1	8.9	21.3	25	25	21	64	21.7	25	25	21	65
									11458	13.8	1	13.3	26.8	30	30	26	68	27.2	30	30	26	69
06 (5)	208-3-60	13.1	93	20	2	8.9	1.1	8.6	None	—	—	—	31.6	35	40	33	179	32.7	35	45	34	181
									10625	4.9	1	13.6	48.6	50	50	48	192	49.7	50	50	49	195
									11125	7.9	1	21.9	59	60	60	58	200	60.1	70	70	59	203
									11625	12	1	33.3	73.2	80	80	71	212	74.3	80	80	72	214
	230-3-60	13.1	93	20	2.3	8.2	1	8.6	None	—	—	—	31.2	35	40	32	181	32.2	35	45	33	184
									10625	6.5	1	15.6	50.7	60	60	50	197	51.7	60	60	51	199
									11125	10.5	1	25.3	62.8	70	70	61	207	63.8	70	70	62	209
									11625	16	1	38.5	79.3	80	80	76	220	80.3	90	90	78	222
	460-3-60	6.6	60	10	1.3	4.1	0.5	8.6	None	—	—	—	15.9	20	20	16	100	16.4	20	20	17	101
									10646	6	1	7.2	24.9	25	25	25	107	25.4	30	30	25	108
									11146	11.5	1	13.8	33.2	35	35	32	113	33.7	35	35	33	114
									11446	14	1	16.8	36.9	40	40	36	116	37.4	40	40	36	117
	575-3-60	4.8	41	8	1	3.2	0.4	8.6	None	—	—	—	11.9	15	15	12	71	12.3	15	15	13	72
									11458	13.8	1	13.3	28.5	30	30	28	84	28.9	30	30	28	85
									12358	23	1	22.1	39.5	40	40	38	93	39.9	40	40	38	94

WYE electrical data

Table 87: WYE04-06 standard indoor blower without powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field-installed kit 2EK045*				MCA (amps)	Min fuse /breaker size (amps)	Max fuse /breaker size(amps)	Min disconnect rating		MCA w/pwr exh (amps)	Min fuse /breaker size w/pwr exh (amps)	Max fuse / breaker size/pwr exh (amps)	Min disconnect rating / pwr exh	
		RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
04 (3)	208-1-60	16.7	93.5	26	2	6.6	1.5	—	None	—	—	—	29.5	30	45	29	100	31	35	45	31	103
									10625	4.9	1	23.6	59	60	60	56	124	60.5	70	70	58	127
									11125	7.9	1	38	77	80	80	73	138	78.5	80	80	75	141
	230-1-60	16.7	93.5	26	2.3	6	1.3	—	None	—	—	—	29.2	30	45	29	100	30.5	35	45	30	103
									10625	6.5	1	27.1	63.1	70	70	60	128	64.4	70	70	61	130
									11125	10.5	1	43.8	84	90	90	79	144	85.3	90	90	81	147
	208-3-60	12.2	97.5	19	2	6.6	1.1	—	None	—	—	—	23.9	25	35	24	104	25	25	35	25	106
									10625	4.9	1	13.6	40.9	45	45	40	118	42	45	50	41	120
									11125	7.9	1	21.9	51.3	60	60	49	126	52.4	60	60	50	128
									11625	12	1	33.3	65.5	70	70	62	137	66.6	70	70	63	140
	230-3-60	12.2	97.5	19	2.3	6	1	—	None	—	—	—	23.6	25	35	24	104	24.6	25	35	25	107
									10625	6.5	1	15.6	43.1	45	50	42	120	44.1	45	50	43	122
									11125	10.5	1	25.3	55.2	60	60	53	130	56.2	60	60	54	132
									11625	16	1	38.5	71.7	80	80	68	143	72.7	80	80	69	145
	460-3-60	5.8	44.3	9	1.3	3.2	0.5	—	None	—	—	—	11.8	15	15	12	49	12.3	15	15	12	50
									10646	6	1	7.2	20.8	25	25	20	56	21.3	25	25	21	58
									11146	11.5	1	13.8	29.1	30	30	28	63	29.6	30	30	28	64
									11446	14	1	16.8	32.8	35	35	31	66	33.3	35	35	32	67
	575-3-60	4.5	27.1	7	1	6	0.4	—	None	—	—	—	9	15	15	9	30	9.4	15	15	10	31
									11058	9.2	1	8.9	20.1	25	25	19	39	20.5	25	25	20	40
									11458	13.8	1	13.3	25.6	30	30	24	44	26	30	30	25	44
05 (4)	208-1-60	22.4	126	35	2	8.4	1.5	—	None	—	—	—	38.4	40	60	38	132	39.9	40	60	39	136
									10625	4.9	1	23.6	67.9	70	80	65	156	69.4	70	80	67	159
									11125	7.9	1	38	85.9	90	90	81	170	87.4	90	100	83	174
	230-1-60	22.4	126	35	2.3	7.6	1.3	—	None	—	—	—	37.9	40	60	37	133	39.2	40	60	39	136
									10625	6.5	1	27.1	71.8	80	80	68	160	73.1	80	80	70	163
									11125	10.5	1	43.8	92.7	100	100	88	177	94	100	100	89	180
	208-3-60	12.8	120	20	2	8.4	1.1	—	None	—	—	—	26.4	30	35	27	127	27.5	30	40	28	129
									10625	4.9	1	13.6	43.4	45	50	42	140	44.5	45	50	44	143
									11125	7.9	1	21.9	53.8	60	60	52	149	54.9	60	60	53	151
									11625	12	1	33.3	68	70	70	65	160	69.1	70	70	66	163
	230-3-60	12.8	120	20	2.3	7.6	1	—	None	—	—	—	25.9	30	35	26	127	26.9	30	35	27	130
									10625	6.5	1	15.6	45.4	50	50	44	143	46.4	50	50	45	145
									11125	10.5	1	25.3	57.5	60	60	55	153	58.5	60	60	56	155
									11625	16	1	38.5	74	80	80	70	166	75	80	80	72	168
	460-3-60	6	49.4	9	1.3	4	0.5	—	None	—	—	—	12.8	15	15	13	54	13.3	15	15	14	55
									10646	6	1	7.2	21.8	25	25	21	62	22.3	25	25	22	63
									11146	11.5	1	13.8	30.1	35	35	29	68	30.6	35	35	29	69
									11446	14	1	16.8	33.8	35	35	32	71	34.3	35	35	33	72
	575-3-60	5.8	41	9	1	7.6	0.4	—	None	—	—	—	11.3	15	15	11	44	11.7	15	15	12	45
									11058	9.2	1	8.9	22.4	25	25	22	53	22.8	25	25	22	54
									11458	13.8	1	13.3	27.9	30	30	27	57	28.3	30	30	27	58

Table 87: WYE04-06 standard indoor blower without powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field-installed kit 2EK045*				MCA (amps)	Min fuse /breaker size (amps)	Max fuse /breaker size(amps)	Min disconnect rating		MCA w/pwr exh (amps)	Min fuse /breaker size w/pwr exh (amps)	Max fuse / breaker size/pwr exh (amps)	Min disconnect rating / pwr exh	
		RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
06 (5)	208-1-60	23.7	157	37	2	8.4	1.5	—	None	—	—	—	40	40	60	39	163	41.5	45	60	41	167
									10625	4.9	1	23.6	69.5	70	80	66	187	71	80	80	68	190
									11125	7.9	1	38	87.5	90	100	83	201	89	90	100	85	205
	230-1-60	23.7	157	37	2.3	7.6	1.3	—	None	—	—	—	39.5	40	60	39	164	40.8	45	60	40	167
									10625	6.5	1	27.1	73.4	80	90	70	191	74.7	80	90	71	194
									11125	10.5	1	43.8	94.3	100	100	89	208	95.6	100	100	91	211
	208-3-60	16	156	25	2	8.4	1.1	—	None	—	—	—	30.4	35	45	30	163	31.5	35	45	32	165
									10625	4.9	1	13.6	47.4	50	60	46	176	48.5	50	60	47	179
									11125	7.9	1	21.9	57.8	60	60	56	185	58.9	60	60	57	187
									11625	12	1	33.3	72	80	80	69	196	73.1	80	80	70	199
	230-3-60	16	156	25	2.3	7.6	1	—	None	—	—	—	29.9	30	45	30	163	30.9	35	45	31	166
									10625	6.5	1	15.6	49.4	50	60	48	179	50.4	60	60	49	181
									11125	10.5	1	25.3	61.5	70	70	59	189	62.5	70	70	60	191
									11625	16	1	38.5	78	80	80	74	202	79	80	80	75	204
	460-3-60	7.1	69	11	1.3	4	0.5	—	None	—	—	—	14.2	15	20	14	74	14.7	15	20	15	75
									10646	6	1	7.2	23.2	25	25	23	81	23.7	25	25	23	82
									11146	11.5	1	13.8	31.5	35	35	30	88	32	35	35	31	89
									11446	14	1	16.8	35.2	40	40	34	91	35.7	40	40	34	92
	575-3-60	6.4	47.8	10	1	7.6	0.4	—	None	—	—	—	12	15	15	12	51	12.4	15	15	12	52
									11458	13.8	1	13.3	28.6	30	30	27	64	29	30	30	28	65
									12358	23	1	22.1	39.6	40	40	37	73	40	40	40	38	74

Table 88: WYEA7 and WYE08 standard indoor blower without powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (A)	Min fuse[2]/ breaker[3]size (A)	Max fuse[2]/ breaker [3]size (A)	Min disconnect[4] rating		MCA[1]w/pwr exh (amps)	Min fuse/[2]/ breaker [3]size w/ pwr exh (A)	Max fuse[2]/ breaker[3]size w/ pwr exh (A)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
With VFD																									
A7 (6)	208-3-6	19.2	162	30				4.4	9	1.1		None	-	-	-	37.4	40	50	37	222	39.6	40	50	40	227
												10725	4.9	1	13.6	54.4	60	70	53	236	56.6	60	70	56	241
												11725	12	1	33.3	79	80	80	76	256	81.2	90	90	78	261
												12525	19	1	51.6	101.9	110	110	97	274	104.1	110	110	99	279
	230-3-6	19.2	162	30				4.4	9	1		None	-	-	-	37.4	40	50	37	224	39.4	40	50	40	229
												10725	6.5	1	15.6	56.9	60	70	55	240	58.9	60	70	58	244
												11725	16	1	38.5	85.5	90	90	82	263	87.5	90	90	84	267
												12525	25	1	59.7	112	125	125	106	284	114	125	125	108	288
	460-3-60	9.1	70.8	14				2.3	4.6	0.5		None	-	-	-	20.6	25	25	21	102	21.6	25	25	22	104
												10746	6	1	7.2	29.6	30	35	29	109	30.6	35	35	30	111
												11746	16.5	1	19.8	45.4	50	50	44	122	46.4	50	50	45	124
												12646	25.5	1	30.7	59	60	60	56	132	60	60	60	58	135
	575-3-60	6.2	58.2	10				4.4	3.5	0.4		None	-	-	-	20.1	25	25	21	76	20.9	25	25	22	78
												11758	17	1	16.4	40.6	45	45	40	92	41.4	45	45	41	94
												12658	26	1	24.7	51	60	60	50	101	51.8	60	60	51	102
08 (7.5)	208-3-6	12.2	120	19	12.8	103	20	5.8	9	1.1		None	-	-	-	43	45	50	46	305	45.2	50	50	48	310
												11725	12	1	33.3	84.6	90	90	84	339	86.8	90	90	87	344
												12525	19	1	51.6	107.5	110	110	105	357	109.7	110	110	108	362
												13225	24	1	66.6	126.3	150	150	122	372	128.5	150	150	125	377
												14225	32	2	88.3	121.6	125	125	114	364	124.4	125	125	116	369
	230-3-6	12.2	120	19	12.8	103	20	5.2	9	1		None	-	-	-	42.4	45	50	45	304	44.4	45	50	47	309
												11725	16	1	38.5	90.5	100	100	89	343	92.5	100	100	92	347
												12525	25	1	59.7	117	125	125	114	364	119	125	125	116	368
												13225	32	1	77	138.7	150	150	134	381	140.7	150	150	136	386
												14225	42	2	102	138.8	150	150	123	372	141.3	150	150	126	377
	460-3-60	6.4	50	10	5.8	50	9	2.9	4.6	0.5		None	-	-	-	21.3	25	25	23	142	22.3	25	25	24	144
												11746	17	1	19.8	46.1	50	50	45	162	47.1	50	50	47	164
												12846	28	1	33.4	63.1	70	70	61	175	64.1	70	70	62	178
												13346	33	1	39.7	70.9	80	80	68	182	71.9	80	80	69	184
												14246	42	2	50.2	68.5	70	70	61	175	69.8	70	70	62	178
	575-3-60	5.1	41	8	5.1	41	8	2.2	3.5	0.4		None	-	-	-	17.2	20	20	18	111	18	20	20	19	113
												11758	17	1	16.4	37.7	40	40	37	127	38.5	40	40	38	129
												13458	34	1	32.7	58.1	60	60	56	144	58.9	60	60	57	146

Table 89: WYE04-06 standard indoor blower with powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field-installed kit 2EK045*				MCA (amps)	Min fuse /breaker size (amps)	Max fuse /breaker size(amps)	Min disconnect rating		MCA w/pwr exh (amps)	Min fuse /breaker size w/pwr exh (amps)	Max fuse / breaker size/pwr exh (amps)	Min disconnect rating / pwr exh	
		RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
04 (3)	208-1-60	16.7	93.5	26	2	6.6	1.5	8.6	None	—	—	—	33.8	35	50	34	104	35.3	40	50	36	108
									10625	4.9	1	23.6	63.3	70	70	61	128	64.8	70	70	63	131
									11125	7.9	1	38	81.3	90	90	78	142	82.8	90	90	79	146
	230-1-60	16.7	93.5	26	2.3	6	1.3	8.6	None	—	—	—	33.5	35	50	34	105	34.8	35	50	35	108
									10625	6.5	1	27.1	67.4	70	70	65	132	68.7	70	70	66	135
									11125	10.5	1	43.8	88.3	90	90	84	149	89.6	90	90	86	151
	208-3-60	12.2	97.5	19	2	6.6	1.1	8.6	None	—	—	—	28.2	30	40	29	108	29.3	30	40	30	111
									10625	4.9	1	13.6	45.2	50	50	45	122	46.3	50	50	46	124
									11125	7.9	1	21.9	55.6	60	60	54	130	56.7	60	60	55	133
									11625	12	1	33.3	69.8	70	70	67	142	70.9	80	80	68	144
	230-3-60	12.2	97.5	19	2.3	6	1	8.6	None	—	—	—	27.9	30	40	29	109	28.9	30	40	30	111
									10625	6.5	1	15.6	47.4	50	50	46	124	48.4	50	50	48	127
									11125	10.5	1	25.3	59.5	60	60	58	134	60.5	70	70	59	136
									11625	16	1	38.5	76	80	80	73	147	77	80	80	74	150
	460-3-60	5.8	44.3	9	1.3	3.2	0.5	8.6	None	—	—	—	14	15	15	14	51	14.5	15	15	15	52
									10646	6	1	7.2	23	25	25	23	59	23.5	25	25	23	60
									11146	11.5	1	13.8	31.3	35	35	30	65	31.8	35	35	31	66
									11446	14	1	16.8	35	35	35	34	68	35.5	40	40	34	69
	575-3-60	4.5	27.1	7	1	6	0.4	8.6	None	—	—	—	10.7	15	15	11	32	11.1	15	15	12	33
									11058	9.2	1	8.9	21.8	25	25	21	41	22.2	25	25	22	42
									11458	13.8	1	13.3	27.3	30	30	26	45	27.7	30	30	27	46
05 (4)	208-1-60	22.4	126	35	2	8.4	1.5	8.6	None	—	—	—	42.7	45	60	43	137	44.2	45	60	44	140
									10625	4.9	1	23.6	72.2	80	80	70	160	73.7	80	90	72	164
									11125	7.9	1	38	90.2	100	100	86	175	91.7	100	100	88	178
	230-1-60	22.4	126	35	2.3	7.6	1.3	8.6	None	—	—	—	42.2	45	60	42	137	43.5	45	60	44	140
									10625	6.5	1	27.1	76.1	80	90	73	164	77.4	80	90	75	167
									11125	10.5	1	43.8	97	100	100	92	181	98.3	100	100	94	184
	208-3-60	12.8	120	20	2	8.4	1.1	8.6	None	—	—	—	30.7	35	40	32	131	31.8	35	40	33	134
									10625	4.9	1	13.6	47.7	50	50	47	145	48.8	50	50	49	147
									11125	7.9	1	21.9	58.1	60	60	57	153	59.2	60	60	58	156
									11625	12	1	33.3	72.3	80	80	70	164	73.4	80	80	71	167
	230-3-60	12.8	120	20	2.3	7.6	1	8.6	None	—	—	—	30.2	35	40	31	132	31.2	35	40	32	134
									10625	6.5	1	15.6	49.7	50	50	49	147	50.7	60	60	50	150
									11125	10.5	1	25.3	61.8	70	70	60	157	62.8	70	70	61	159
									11625	16	1	38.5	78.3	80	80	75	170	79.3	80	80	76	172
	460-3-60	6	49.4	9	1.3	4	0.5	8.6	None	—	—	—	15	20	20	16	56	15.5	20	20	16	58
									10646	6	1	7.2	24	25	25	24	64	24.5	25	25	24	65
									11146	11.5	1	13.8	32.3	35	35	31	70	32.8	35	35	32	71
									11446	14	1	16.8	36	40	40	35	73	36.5	40	40	35	74
	575-3-60	5.8	41	9	1	7.6	0.4	8.6	None	—	—	—	13.1	15	15	13	46	13.5	15	15	14	47
									11058	9.2	1	8.9	24.2	25	25	24	55	24.6	25	25	24	56
									11458	13.8	1	13.3	29.7	30	30	29	59	30.1	35	35	29	60

Table 89: WYE04-06 standard indoor blower with powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field-installed kit 2EK045*				MCA (amps)	Min fuse /breaker size (amps)	Max fuse /breaker size(amps)	Min disconnect rating		MCA w/pwr exh (amps)	Min fuse /breaker size w/pwr exh (amps)	Max fuse / breaker size/pwr exh (amps)	Min disconnect rating / pwr exh	
		RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
06 (5)	208-1-60	23.7	157	37	2	8.4	1.5	8.6	None	—	—	—	44.3	45	60	44	168	45.8	50	60	46	171
									10625	4.9	1	23.6	73.8	80	90	71	191	75.3	80	90	73	195
									11125	7.9	1	38	91.8	100	100	88	206	93.3	100	100	90	209
	230-1-60	23.7	157	37	2.3	7.6	1.3	8.6	None	—	—	—	43.8	45	60	44	168	45.1	50	60	45	171
									10625	6.5	1	27.1	77.7	80	90	75	195	79	80	90	76	198
									11125	10.5	1	43.8	98.6	100	110	94	212	99.9	100	110	95	215
	208-3-60	16	156	25	2	8.4	1.1	8.6	None	—	—	—	34.7	35	50	35	167	35.8	40	50	37	170
									10625	4.9	1	13.6	51.7	60	60	51	181	52.8	60	60	52	183
									11125	7.9	1	21.9	62.1	70	70	60	189	63.2	70	70	62	192
									11625	12	1	33.3	76.3	80	80	74	200	77.4	80	80	75	203
	230-3-60	16	156	25	2.3	7.6	1	8.6	None	—	—	—	34.2	35	50	35	168	35.2	40	50	36	170
									10625	6.5	1	15.6	53.7	60	60	53	183	54.7	60	60	54	186
									11125	10.5	1	25.3	65.8	70	70	64	193	66.8	70	70	65	195
									11625	16	1	38.5	82.3	90	90	79	206	83.3	90	90	80	208
	460-3-60	7.1	69	11	1.3	4	0.5	8.6	None	—	—	—	16.4	20	20	17	76	16.9	20	20	17	77
									10646	6	1	7.2	25.4	30	30	25	83	25.9	30	30	26	84
									11146	11.5	1	13.8	33.7	35	35	33	90	34.2	35	35	33	91
									11446	14	1	16.8	37.4	40	40	36	93	37.9	40	40	37	94
	575-3-60	6.4	47.8	10	1	7.6	0.4	8.6	None	—	—	—	13.8	15	20	14	53	14.2	15	20	14	54
									11458	13.8	1	13.3	30.4	35	35	29	66	30.8	35	35	30	67
									12358	23	1	22.1	41.4	45	45	39	75	41.8	45	45	40	76

Table 90: WYEA7 and WYE08 standard indoor blower with powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (A)	Min fuse[2]/ breaker[3]size (A)	Max fuse[2]/ breaker [3]size (A)	Min disconnect[4] rating		MCA[1]w/pwr exh (amps)	Min fuse/[2]/ breaker [3]size w/ pwr exh (A)	Max fuse[2]/ breaker[3]size w/ pwr exh (A)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
With VFD																									
A7 (6)	208-3-6	19.2	162	30				4.4	9	1.1	8.6	None	-	-	-	46.1	50	60	47	227	48.3	50	60	50	232
												10725	4.9	1	13.6	63.1	70	70	63	240	65.3	70	80	66	245
												11725	12	1	33.3	87.7	90	90	86	260	89.9	90	90	88	265
												12525	18.6	1	51.6	110.6	125	125	107	278	112.8	125	125	109	283
	230-3-6	19.2	162	30				4.4	9	1	8.6	None	-	-	-	46.1	50	60	47	228	48.1	50	60	50	233
												10725	6.5	1	15.6	65.6	70	80	65	244	67.6	70	80	68	249
												11725	16	1	38.5	94.2	100	100	92	267	96.2	100	100	94	272
												12525	24.8	1	59.7	120.7	125	125	116	288	122.7	125	125	118	293
	460-3-60	9.1	70.8	14				2.3	4.6	0.5	8.6	None	-	-	-	22.8	25	30	24	104	23.8	25	30	25	106
												10746	6	1	7.2	31.8	35	35	32	111	32.8	35	35	33	113
												11746	16.5	1	19.8	47.6	50	50	46	124	48.6	50	50	47	126
												12646	25.5	1	30.7	61.2	70	70	59	135	62.2	70	70	60	137
	575-3-60	6.2	58.2	10				4.4	3.5	0.4	8.6	None	-	-	-	21.8	25	25	23	78	22.6	25	25	24	79
												11758	17	1	16.4	42.3	45	45	42	94	43.1	45	45	43	96
												12658	25.7	1	24.7	52.7	60	60	52	102	53.5	60	60	53	104
08 (7.5)	208-3-6	12.2	120	19	12.8	103	20	5.8	9	1.1	8.6	None	-	-	-	47.3	50	60	51	310	49.5	50	60	53	315
												11725	12	1	33.3	88.9	90	90	89	343	91.1	100	100	92	348
												12525	19	1	51.6	111.8	125	125	110	361	114	125	125	113	366
												13225	24	1	66.6	130.6	150	150	127	376	132.8	150	150	130	381
												14225	32	2	88.3	127	150	150	119	369	129.8	150	150	121	374
	230-3-6	12.2	120	19	12.8	103	20	5.2	9	1	8.6	None	-	-	-	46.7	50	50	50	308	48.7	50	60	52	313
												11725	16	1	38.5	94.8	100	100	94	347	96.8	100	100	97	351
												12525	25	1	59.7	121.3	125	125	119	368	123.3	125	125	121	373
												13225	32	1	77	143	150	150	139	385	145	150	150	141	390
												14225	42	2	102	144.1	150	150	128	376	146.6	150	150	131	381
	460-3-60	6.4	50	10	5.8	50	9	2.9	4.6	0.5	8.6	None	-	-	-	23.5	25	25	25	144	24.5	25	25	26	146
												11746	17	1	19.8	48.3	50	50	48	164	49.3	50	50	49	166
												12846	28	1	33.4	65.3	70	70	64	177	66.3	70	70	65	180
												13346	33	1	39.7	73.1	80	80	71	184	74.1	80	80	72	186
												14246	42	2	50.2	71.2	80	80	64	177	72.4	80	80	65	180
	575-3-60	5.1	41	8	5.1	41	8	2.2	3.5	0.4	8.6	None	-	-	-	18.9	20	20	20	113	19.7	20	20	21	115
												11758	17	1	16.4	39.4	40	40	39	129	40.2	45	45	40	131
												13458	34	1	32.7	59.8	60	60	58	145	60.6	70	70	59	147

Table 91: WYE04-06 medium indoor blower without powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field-installed kit 2EK045*				MCA (amps)	Min fuse /breaker size (amps)	Max fuse /breaker size(amps)	Min disconnect rating		MCA w/pwr exh (amps)	Min fuse /breaker size w/pwr exh (amps)	Max fuse / breaker size/pwr exh (amps)	Min disconnect rating / pwr exh	
		RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
04 (3)	208-1-60	16.7	93.5	26	2	7.6	1.5	—	None	—	—	—	30.5	35	45	30	131	32	35	45	32	134
									10625	4.9	1	23.6	60	60	70	57	155	61.5	70	70	59	158
									11125	7.9	1	38	78	80	80	74	169	79.5	80	80	76	172
	230-1-60	16.7	93.5	26	2.3	7	1.3	—	None	—	—	—	30.2	35	45	30	134	31.5	35	45	31	137
									10625	6.5	1	27.1	64.1	70	70	61	161	65.4	70	70	63	164
									11125	10.5	1	43.8	85	90	90	80	178	86.3	90	90	82	181
	208-3-60	12.2	97.5	19	2	5.2	1.1	—	None	—	—	—	22.5	25	30	22	124	23.6	25	35	24	127
									10625	4.9	1	13.6	39.5	40	45	38	138	40.6	45	45	39	140
									11125	7.9	1	21.9	49.9	50	50	47	146	51	60	60	49	149
									11625	12	1	33.3	64.1	70	70	61	158	65.2	70	70	62	160
	230-3-60	12.2	97.5	19	2.3	5.2	1	—	None	—	—	—	22.8	25	30	23	127	23.8	25	35	24	130
									10625	6.5	1	15.6	42.3	45	50	41	143	43.3	45	50	42	145
									11125	10.5	1	25.3	54.4	60	60	52	153	55.4	60	60	53	155
									11625	16	1	38.5	70.9	80	80	67	166	71.9	80	80	68	168
	460-3-60	5.8	44.3	9	1.3	2.6	0.5	—	None	—	—	—	11.2	15	15	11	60	11.7	15	15	12	61
									10646	6	1	7.2	20.2	25	25	19	67	20.7	25	25	20	68
									11146	11.5	1	13.8	28.5	30	30	27	74	29	30	30	28	75
									11446	14	1	16.8	32.2	35	35	30	77	32.7	35	35	31	78
	575-3-60	4.5	27.1	7	1	2	0.4	—	None	—	—	—	8.6	15	15	9	39	9	15	15	9	40
									11058	9.2	1	8.9	19.7	20	20	19	48	20.1	25	25	19	49
									11458	13.8	1	13.3	25.2	30	30	24	53	25.6	30	30	24	54
05 (4)	208-1-60	22.4	126	35	2	7.6	1.5	—	None	—	—	—	37.6	40	60	37	163	39.1	40	60	39	167
									10625	4.9	1	23.6	67.1	70	80	64	187	68.6	70	80	66	190
									11125	7.9	1	38	85.1	90	90	81	201	86.6	90	90	82	205
	230-1-60	22.4	126	35	2.3	7	1.3	—	None	—	—	—	37.3	40	50	36	166	38.6	40	60	38	169
									10625	6.5	1	27.1	71.2	80	80	68	194	72.5	80	80	69	196
									11125	10.5	1	43.8	92.1	100	100	87	210	93.4	100	100	88	213
	208-3-60	12.8	120	20	2	5.2	1.1	—	None	—	—	—	23.2	25	35	23	147	24.3	25	35	24	150
									10625	4.9	1	13.6	40.2	45	45	39	161	41.3	45	50	40	163
									11125	7.9	1	21.9	50.6	60	60	48	169	51.7	60	60	49	172
									11625	12	1	33.3	64.8	70	70	61	181	65.9	70	70	63	183
	230-3-60	12.8	120	20	2.3	5.2	1	—	None	—	—	—	23.5	25	35	23	150	24.5	25	35	24	153
									10625	6.5	1	15.6	43	45	50	41	166	44	45	50	42	168
									11125	10.5	1	25.3	55.1	60	60	52	176	56.1	60	60	54	178
									11625	16	1	38.5	71.6	80	80	68	189	72.6	80	80	69	191
	460-3-60	6	49.4	9	1.3	2.6	0.5	—	None	—	—	—	11.4	15	15	11	65	11.9	15	15	12	66
									10646	6	1	7.2	20.4	25	25	20	72	20.9	25	25	20	73
									11146	11.5	1	13.8	28.7	30	30	27	79	29.2	30	30	28	80
									11446	14	1	16.8	32.4	35	35	31	82	32.9	35	35	31	83
	575-3-60	5.8	41	9	1	2	0.4	—	None	—	—	—	10.3	15	15	10	53	10.7	15	15	11	54
									11058	9.2	1	8.9	21.4	25	25	20	62	21.8	25	25	21	63
									11458	13.8	1	13.3	26.9	30	30	25	67	27.3	30	30	26	68

Table 91: WYE04-06 medium indoor blower without powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field-installed kit 2EK045*				MCA (amps)	Min fuse /breaker size (amps)	Max fuse /breaker size(amps)	Min disconnect rating		MCA w/pwr exh (amps)	Min fuse /breaker size w/pwr exh (amps)	Max fuse / breaker size/pwr exh (amps)	Min disconnect rating / pwr exh	
		RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
06 (5)	208-1-60	23.7	157	37	2	6.8	1.5	—	None	—	—	—	38.4	40	60	37	194	39.9	40	60	39	197
									10625	4.9	1	23.6	67.9	70	80	65	218	69.4	70	80	66	221
									11125	7.9	1	38	85.9	90	100	81	232	87.4	90	100	83	235
	230-1-60	23.7	157	37	2.3	6.2	1.3	—	None	—	—	—	38.1	40	60	37	195	39.4	40	60	39	198
									10625	6.5	1	27.1	72	80	80	68	222	73.3	80	90	70	225
									11125	10.5	1	43.8	92.9	100	100	87	239	94.2	100	100	89	242
	208-3-60	16	156	25	2	7	1.1	—	None	—	—	—	29	30	45	29	221	30.1	35	45	30	223
									10625	4.9	1	13.6	46	50	50	44	235	47.1	50	50	46	237
									11125	7.9	1	21.9	56.4	60	60	54	243	57.5	60	60	55	245
									11625	12	1	33.3	70.6	80	80	67	254	71.7	80	80	68	257
	230-3-60	16	156	25	2.3	7.2	1	—	None	—	—	—	29.5	30	45	29	223	30.5	35	45	30	225
									10625	6.5	1	15.6	49	50	60	47	239	50	50	60	48	241
									11125	10.5	1	25.3	61.1	70	70	58	248	62.1	70	70	60	251
									11625	16	1	38.5	77.6	80	80	74	262	78.6	80	80	75	264
	460-3-60	7.1	69	11	1.3	3.6	0.5	—	None	—	—	—	13.8	15	20	14	103	14.3	15	20	14	104
									10646	6	1	7.2	22.8	25	25	22	110	23.3	25	25	23	111
									11146	11.5	1	13.8	31.1	35	35	30	117	31.6	35	35	30	118
									11446	14	1	16.8	34.8	35	35	33	120	35.3	40	40	34	121
	575-3-60	6.4	47.8	10	1	2.5	0.4	—	None	—	—	—	11.5	15	15	11	68	11.9	15	15	12	69
									11458	13.8	1	13.3	28.1	30	30	27	81	28.5	30	30	27	82
									12358	23	1	22.1	39.1	40	40	37	90	39.5	40	40	37	91

Table 92: WYEA7 and WYE08 medium indoor blower without powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (A)	Min fuse[2]/ breaker[3]size (A)	Max fuse[2]/ breaker [3]size (A)	Min disconnect[4] rating		MCA[1]w/pwr exh (amps)	Min fuse/[2]/ breaker [3]size w/ pwr exh (A)	Max fuse[2]/ breaker[3]size w/ pwr exh (A)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
With VFD																									
A7 (6)	208-3-6	19.2	162	30				4.4	13	1.1		None	-	-	-	46	50	60	47	224	48.2	50	60	50	229
												10725	4.9	1	13.6	63	70	70	63	238	65.2	70	70	66	243
												11725	12	1	33.3	87.6	90	90	86	257	89.8	90	90	88	262
												12525	18.6	1	51.6	110.5	125	125	107	276	112.7	125	125	109	281
	230-3-6	19.2	162	30				4.4	13	1		None	-	-	-	46	50	60	47	231	48	50	60	50	236
												10725	6.5	1	15.6	65.5	70	80	65	247	67.5	70	80	68	252
												11725	16	1	38.5	94.1	100	100	92	270	96.1	100	100	94	274
												12525	24.8	1	59.7	120.6	125	125	116	291	122.6	125	125	118	296
	460-3-60	9.1	70.8	14				2.3	6.1	0.5		None	-	-	-	22.1	25	30	23	105	23.1	25	30	24	108
												10746	6	1	7.2	31.1	35	35	31	113	32.1	35	35	32	115
												11746	16.5	1	19.8	46.9	50	50	46	125	47.9	50	50	47	127
												12646	25.5	1	30.7	60.5	70	70	58	136	61.5	70	70	59	138
	575-3-60	6.2	58.2	10				4.4	4.9	0.4		None	-	-	-	21.5	25	25	23	84	22.3	25	25	24	86
												11758	17	1	16.4	42	45	45	42	101	42.8	45	45	43	103
												12658	25.7	1	24.7	52.4	60	60	51	109	53.2	60	60	52	111
08 (7.5)	208-3-6	12.2	120	19	12.8	103	20	5.8	9	1.1		None	-	-	-	43	45	50	46	305	45.2	50	50	48	310
												11725	12	1	33.3	84.6	90	90	84	339	86.8	90	90	87	344
												12525	19	1	51.6	107.5	110	110	105	357	109.7	110	110	108	362
												13225	24	1	66.6	126.3	150	150	122	372	128.5	150	150	125	377
												14225	32	2	88.3	121.6	125	125	114	364	124.4	125	125	116	369
	230-3-6	12.2	120	19	12.8	103	20	5.2	9	1		None	-	-	-	42.4	45	50	45	304	44.4	45	50	47	309
												11725	16	1	38.5	90.5	100	100	89	343	92.5	100	100	92	347
												12525	25	1	59.7	117	125	125	114	364	119	125	125	116	368
												13225	32	1	77	138.7	150	150	134	381	140.7	150	150	136	386
												14225	42	2	102	138.8	150	150	123	372	141.3	150	150	126	377
	460-3-60	6.4	50	10	5.8	50	9	2.9	4.6	0.5		None	-	-	-	21.3	25	25	23	142	22.3	25	25	24	144
												11746	17	1	19.8	46.1	50	50	45	162	47.1	50	50	47	164
												12846	28	1	33.4	63.1	70	70	61	175	64.1	70	70	62	178
												13346	33	1	39.7	70.9	80	80	68	182	71.9	80	80	69	184
												14246	42	2	50.2	68.5	70	70	61	175	69.8	70	70	62	178
	575-3-60	5.1	41	8	5.1	41	8	2.2	3.5	0.4		None	-	-	-	17.2	20	20	18	111	18	20	20	19	113
												11758	17	1	16.4	37.7	40	40	37	127	38.5	40	40	38	129
												13458	34	1	32.7	58.1	60	60	56	144	58.9	60	60	57	146

Table 93: WYE04-06 medium indoor blower with powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field-installed kit 2EK045*				MCA (amps)	Min fuse /breaker size (amps)	Max fuse /breaker size(amps)	Min disconnect rating		MCA w/pwr exh (amps)	Min fuse /breaker size w/pwr exh (amps)	Max fuse / breaker size/pwr exh (amps)	Min disconnect rating / pwr exh	
		RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
04 (3)	208-1-60	16.7	93.5	26	2	7.6	1.5	8.6	None	—	—	—	34.8	35	50	35	135	36.3	40	50	37	139
									10625	4.9	1	23.6	64.3	70	70	62	159	65.8	70	70	64	162
									11125	7.9	1	38	82.3	90	90	79	173	83.8	90	90	81	177
	230-1-60	16.7	93.5	26	2.3	7	1.3	8.6	None	—	—	—	34.5	35	50	35	138	35.8	40	50	36	141
									10625	6.5	1	27.1	68.4	70	70	66	165	69.7	70	70	68	168
									11125	10.5	1	43.8	89.3	90	90	85	182	90.6	100	100	87	185
	208-3-60	12.2	97.5	19	2	5.2	1.1	8.6	None	—	—	—	26.8	30	35	27	129	27.9	30	40	29	131
									10625	4.9	1	13.6	43.8	45	50	43	142	44.9	45	50	44	145
									11125	7.9	1	21.9	54.2	60	60	52	151	55.3	60	60	54	153
									11625	12	1	33.3	68.4	70	70	66	162	69.5	70	70	67	164
	230-3-60	12.2	97.5	19	2.3	5.2	1	8.6	None	—	—	—	27.1	30	35	28	132	28.1	30	40	29	134
									10625	6.5	1	15.6	46.6	50	50	46	147	47.6	50	50	47	150
									11125	10.5	1	25.3	58.7	60	60	57	157	59.7	60	60	58	159
									11625	16	1	38.5	75.2	80	80	72	170	76.2	80	80	73	173
	460-3-60	5.8	44.3	9	1.3	2.6	0.5	8.6	None	—	—	—	13.4	15	15	14	62	13.9	15	15	14	63
									10646	6	1	7.2	22.4	25	25	22	69	22.9	25	25	23	70
									11146	11.5	1	13.8	30.7	35	35	30	76	31.2	35	35	30	77
									11446	14	1	16.8	34.4	35	35	33	79	34.9	35	35	34	80
	575-3-60	4.5	27.1	7	1	2	0.4	8.6	None	—	—	—	10.3	15	15	11	41	10.7	15	15	11	42
									11058	9.2	1	8.9	21.4	25	25	21	50	21.8	25	25	21	51
									11458	13.8	1	13.3	26.9	30	30	26	54	27.3	30	30	26	55
05 (4)	208-1-60	22.4	126	35	2	7.6	1.5	8.6	None	—	—	—	41.9	45	60	42	168	43.4	45	60	43	171
									10625	4.9	1	23.6	71.4	80	80	69	191	72.9	80	80	71	195
									11125	7.9	1	38	89.4	90	100	85	206	90.9	100	100	87	209
	230-1-60	22.4	126	35	2.3	7	1.3	8.6	None	—	—	—	41.6	45	60	41	171	42.9	45	60	43	174
									10625	6.5	1	27.1	75.5	80	90	73	198	76.8	80	90	74	201
									11125	10.5	1	43.8	96.4	100	100	92	215	97.7	100	100	93	217
	208-3-60	12.8	120	20	2	5.2	1.1	8.6	None	—	—	—	27.5	30	40	28	152	28.6	30	40	29	154
									10625	4.9	1	13.6	44.5	45	50	44	165	45.6	50	50	45	168
									11125	7.9	1	21.9	54.9	60	60	53	173	56	60	60	54	176
									11625	12	1	33.3	69.1	70	70	66	185	70.2	80	80	68	187
	230-3-60	12.8	120	20	2.3	5.2	1	8.6	None	—	—	—	27.8	30	40	28	155	28.8	30	40	29	157
									10625	6.5	1	15.6	47.3	50	50	46	170	48.3	50	50	47	173
									11125	10.5	1	25.3	59.4	60	60	57	180	60.4	70	70	59	182
									11625	16	1	38.5	75.9	80	80	73	193	76.9	80	80	74	195
	460-3-60	6	49.4	9	1.3	2.6	0.5	8.6	None	—	—	—	13.6	15	15	14	67	14.1	15	15	14	68
									10646	6	1	7.2	22.6	25	25	22	74	23.1	25	25	23	75
									11146	11.5	1	13.8	30.9	35	35	30	81	31.4	35	35	30	82
									11446	14	1	16.8	34.6	35	35	33	84	35.1	40	40	34	85
	575-3-60	5.8	41	9	1	2	0.4	8.6	None	—	—	—	12	15	15	12	55	12.4	15	15	13	56
									11058	9.2	1	8.9	23.1	25	25	22	64	23.5	25	25	23	65
									11458	13.8	1	13.3	28.6	30	30	27	68	29	30	30	28	69

Table 93: WYE04-06 medium indoor blower with powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field-installed kit 2EK045*				MCA (amps)	Min fuse /breaker size (amps)	Max fuse /breaker size(amps)	Min disconnect rating		MCA w/pwr exh (amps)	Min fuse /breaker size w/pwr exh (amps)	Max fuse / breaker size/pwr exh (amps)	Min disconnect rating / pwr exh	
		RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
06 (5)	208-1-60	23.7	157	37	2	6.8	1.5	8.6	None	—	—	—	42.7	45	60	42	198	44.2	45	60	44	202
									10625	4.9	1	23.6	72.2	80	90	69	222	73.7	80	90	71	225
									11125	7.9	1	38	90.2	100	100	86	236	91.7	100	100	88	240
	230-1-60	23.7	157	37	2.3	6.2	1.3	8.6	None	—	—	—	42.4	45	60	42	199	43.7	45	60	43	202
									10625	6.5	1	27.1	76.3	80	90	73	226	77.6	80	90	75	229
									11125	10.5	1	43.8	97.2	100	100	92	243	98.5	100	110	94	246
	208-3-60	16	156	25	2	7	1.1	8.6	None	—	—	—	33.3	35	45	34	225	34.4	35	50	35	228
									10625	4.9	1	13.6	50.3	60	60	49	239	51.4	60	60	51	241
									11125	7.9	1	21.9	60.7	70	70	59	247	61.8	70	70	60	250
									11625	12	1	33.3	74.9	80	80	72	259	76	80	80	73	261
	230-3-60	16	156	25	2.3	7.2	1	8.6	None	—	—	—	33.8	35	45	34	227	34.8	35	50	35	230
									10625	6.5	1	15.6	53.3	60	60	52	243	54.3	60	60	53	245
									11125	10.5	1	25.3	65.4	70	70	63	253	66.4	70	70	65	255
									11625	16	1	38.5	81.9	90	90	79	266	82.9	90	90	80	268
	460-3-60	7.1	69	11	1.3	3.6	0.5	8.6	None	—	—	—	16	20	20	16	105	16.5	20	20	17	106
									10646	6	1	7.2	25	25	30	25	112	25.5	30	30	25	113
									11146	11.5	1	13.8	33.3	35	35	32	119	33.8	35	35	33	120
									11446	14	1	16.8	37	40	40	36	122	37.5	40	40	36	123
	575-3-60	6.4	47.8	10	1	2.5	0.4	8.6	None	—	—	—	13.2	15	15	13	70	13.6	15	15	14	70
									11458	13.8	1	13.3	29.8	30	30	29	83	30.2	35	35	29	84
									12358	23	1	22.1	40.8	45	45	39	92	41.2	45	45	39	93

Table 94: WYEA7 and WYE08 medium indoor blower with powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (A)	Min fuse[2]/ breaker[3]size (A)	Max fuse[2]/ breaker [3]size (A)	Min disconnect[4] rating		MCA[1]w/pwr exh (amps)	Min fuse/[2]/ breaker [3]size w/ pwr exh (A)	Max fuse[2]/ breaker[3]size w/ pwr exh (A)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
With VFD																									
A7 (6)	208-3-6	19.2	162	30				4.4	13	1.1	8.6	None	-	-	-	50.3	60	60	52	228	52.5	60	70	55	233
												10725	4.9	1	13.6	67.3	70	80	68	242	69.5	70	80	70	247
												11725	12	1	33.3	91.9	100	100	91	262	94.1	100	100	93	267
												12525	18.6	1	51.6	114.8	125	125	112	280	117	125	125	114	285
	230-3-6	19.2	162	30				4.4	13	1	8.6	None	-	-	-	50.3	60	60	52	236	52.3	60	70	55	240
												10725	6.5	1	15.6	69.8	70	80	70	251	71.8	80	80	73	256
												11725	16	1	38.5	98.4	100	100	97	274	100.4	110	110	99	279
												12525	24.8	1	59.7	124.9	125	125	121	295	126.9	150	150	123	300
	460-3-60	9.1	70.8	14				2.3	6.1	0.5	8.6	None	-	-	-	24.3	25	30	25	107	25.3	30	30	26	110
												10746	6	1	7.2	33.3	35	40	34	115	34.3	35	40	35	117
												11746	16.5	1	19.8	49.1	50	50	48	127	50.1	60	60	49	129
												12646	25.5	1	30.7	62.7	70	70	61	138	63.7	70	70	62	140
	575-3-60	6.2	58.2	10				4.4	4.9	0.4	8.6	None	-	-	-	23.2	25	25	25	86	24	25	25	26	88
												11758	17	1	16.4	43.7	45	45	44	102	44.5	45	45	45	104
												12658	25.7	1	24.7	54.1	60	60	53	111	54.9	60	60	54	113
08 (7.5)	208-3-6	12.2	120	19	12.8	103	20	5.8	9	1.1	8.6	None	-	-	-	47.3	50	60	51	310	49.5	50	60	53	315
												11725	12	1	33.3	88.9	90	90	89	343	91.1	100	100	92	348
												12525	19	1	51.6	111.8	125	125	110	361	114	125	125	113	366
												13225	24	1	66.6	130.6	150	150	127	376	132.8	150	150	130	381
												14225	32	2	88.3	127	150	150	119	369	129.8	150	150	121	374
	230-3-6	12.2	120	19	12.8	103	20	5.2	9	1	8.6	None	-	-	-	46.7	50	50	50	308	48.7	50	60	52	313
												11725	16	1	38.5	94.8	100	100	94	347	96.8	100	100	97	351
												12525	25	1	59.7	121.3	125	125	119	368	123.3	125	125	121	373
												13225	32	1	77	143	150	150	139	385	145	150	150	141	390
												14225	42	2	102	144.1	150	150	128	376	146.6	150	150	131	381
	460-3-60	6.4	50	10	5.8	50	9	2.9	4.6	0.5	8.6	None	-	-	-	23.5	25	25	25	144	24.5	25	25	26	146
												11746	17	1	19.8	48.3	50	50	48	164	49.3	50	50	49	166
												12846	28	1	33.4	65.3	70	70	64	177	66.3	70	70	65	180
												13346	33	1	39.7	73.1	80	80	71	184	74.1	80	80	72	186
												14246	42	2	50.2	71.2	80	80	64	177	72.4	80	80	65	180
	575-3-60	5.1	41	8	5.1	41	8	2.2	3.5	0.4	8.6	None	-	-	-	18.9	20	20	20	113	19.7	20	20	21	115
												11758	17	1	16.4	39.4	40	40	39	129	40.2	45	45	40	131
												13458	34	1	32.7	59.8	60	60	58	145	60.6	70	70	59	147

Table 95: WYE04-06 high indoor blower without powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field-installed kit 2EK045*				MCA (amps)	Min fuse /breaker size (amps)	Max fuse /breaker size(amps)	Min disconnect rating		MCA w/pwr exh (amps)	Min fuse /breaker size w/pwr exh (amps)	Max fuse / breaker size/pwr exh (amps)	Min disconnect rating / pwr exh	
		RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
04 (3)	208-3-60	12.2	97.5	19	2	5.2	1.1	—	None	—	—	—	22.5	25	30	22	124	23.6	25	35	24	127
									10625	4.9	1	13.6	39.5	40	45	38	138	40.6	45	45	39	140
									11125	7.9	1	21.9	49.9	50	50	47	146	51	60	60	49	149
									11625	12	1	33.3	64.1	70	70	61	158	65.2	70	70	62	160
	230-3-60	12.2	97.5	19	2.3	5.2	1	—	None	—	—	—	22.8	25	30	23	127	23.8	25	35	24	130
									10625	6.5	1	15.6	42.3	45	50	41	143	43.3	45	50	42	145
									11125	10.5	1	25.3	54.4	60	60	52	153	55.4	60	60	53	155
									11625	16	1	38.5	70.9	80	80	67	166	71.9	80	80	68	168
	460-3-60	5.8	44.3	9	1.3	2.6	0.5	—	None	—	—	—	11.2	15	15	11	60	11.7	15	15	12	61
									10646	6	1	7.2	20.2	25	25	19	67	20.7	25	25	20	68
									11146	11.5	1	13.8	28.5	30	30	27	74	29	30	30	28	75
									11446	14	1	16.8	32.2	35	35	30	77	32.7	35	35	31	78
	575-3-60	4.5	27.1	7	1	2	0.4	—	None	—	—	—	8.6	15	15	9	39	9	15	15	9	40
									11058	9.2	1	8.9	19.7	20	20	19	48	20.1	25	25	19	49
									11458	13.8	1	13.3	25.2	30	30	24	53	25.6	30	30	24	54
05 (4)	208-3-60	12.8	120	20	2	5.2	1.1	—	None	—	—	—	23.2	25	35	23	147	24.3	25	35	24	150
									10625	4.9	1	13.6	40.2	45	45	39	161	41.3	45	50	40	163
									11125	7.9	1	21.9	50.6	60	60	48	169	51.7	60	60	49	172
									11625	12	1	33.3	64.8	70	70	61	181	65.9	70	70	63	183
	230-3-60	12.8	120	20	2.3	5.2	1	—	None	—	—	—	23.5	25	35	23	150	24.5	25	35	24	153
									10625	6.5	1	15.6	43	45	50	41	166	44	45	50	42	168
									11125	10.5	1	25.3	55.1	60	60	52	176	56.1	60	60	54	178
									11625	16	1	38.5	71.6	80	80	68	189	72.6	80	80	69	191
	460-3-60	6	49.4	9	1.3	2.6	0.5	—	None	—	—	—	11.4	15	15	11	65	11.9	15	15	12	66
									10646	6	1	7.2	20.4	25	25	20	72	20.9	25	25	20	73
									11146	11.5	1	13.8	28.7	30	30	27	79	29.2	30	30	28	80
									11446	14	1	16.8	32.4	35	35	31	82	32.9	35	35	31	83
	575-3-60	5.8	41	9	1	2	0.4	—	None	—	—	—	10.3	15	15	10	53	10.7	15	15	11	54
									11058	9.2	1	8.9	21.4	25	25	20	62	21.8	25	25	21	63
									11458	13.8	1	13.3	26.9	30	30	25	67	27.3	30	30	26	68
06 (5)	208-3-60	16	156	25	2	8.9	1.1	—	None	—	—	—	30.9	35	45	31	238	32	35	45	32	240
									10625	4.9	1	13.6	47.9	50	60	47	251	49	50	60	48	254
									11125	7.9	1	21.9	58.3	60	60	56	260	59.4	60	60	57	262
									11625	12	1	33.3	72.5	80	80	69	271	73.6	80	80	70	273
	230-3-60	16	156	25	2.3	8.2	1	—	None	—	—	—	30.5	35	45	30	240	31.5	35	45	32	243
									10625	6.5	1	15.6	50	50	60	48	256	51	60	60	50	258
									11125	10.5	1	25.3	62.1	70	70	60	266	63.1	70	70	61	268
									11625	16	1	38.5	78.6	80	80	75	279	79.6	80	80	76	281
	460-3-60	7.1	69	11	1.3	4.1	0.5	—	None	—	—	—	14.3	15	20	14	106	14.8	15	20	15	108
									10646	6	1	7.2	23.3	25	25	23	114	23.8	25	25	23	115
									11146	11.5	1	13.8	31.6	35	35	30	120	32.1	35	35	31	121
									11446	14	1	16.8	35.3	40	40	34	123	35.8	40	40	34	124
	575-3-60	6.4	47.8	10	1	3.2	0.4	—	None	—	—	—	12.2	15	15	12	76	12.6	15	15	13	77
									11458	13.8	1	13.3	28.8	30	30	27	90	29.2	30	30	28	90
									12358	23	1	22.1	39.8	40	40	38	98	40.2	45	45	38	99

Table 96: WYEA7 and WYE08 high indoor blower without powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (A)	Min fuse[2]/ breaker[3]size (A)	Max fuse[2]/ breaker [3]size (A)	Min disconnect[4] rating		MCA[1]w/pwr exh (amps)	Min fuse/[2]/ breaker [3]size w/ pwr exh (A)	Max fuse[2]/ breaker[3]size w/ pwr exh (A)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
With VFD																									
A7 (6)	208-3-6	19.2	162	30				4.4	13	1.1		None	-	-	-	46	50	60	47	235	48.2	50	60	50	240
												10725	4.9	1	13.6	63	70	70	63	248	65.2	70	70	66	253
												11725	12	1	33.3	87.6	90	90	86	268	89.8	90	90	88	273
												12525	18.6	1	51.6	110.5	125	125	107	286	112.7	125	125	109	291
	230-3-6	19.2	162	30				4.4	13	1		None	-	-	-	46	50	60	47	243	48	50	60	50	248
												10725	6.5	1	15.6	65.5	70	80	65	259	67.5	70	80	68	263
												11725	16	1	38.5	94.1	100	100	92	281	96.1	100	100	94	286
												12525	24.8	1	59.7	120.6	125	125	116	303	122.6	125	125	118	307
	460-3-60	9.1	70.8	14				2.3	6.1	0.5		None	-	-	-	22.1	25	30	23	111	23.1	25	30	24	113
												10746	6	1	7.2	31.1	35	35	31	118	32.1	35	35	32	121
												11746	16.5	1	19.8	46.9	50	50	46	131	47.9	50	50	47	133
												12646	25.5	1	30.7	60.5	70	70	58	142	61.5	70	70	59	144
	575-3-60	6.2	58.2	10				4.4	7.7	0.4		None	-	-	-	24.3	25	30	26	98	25.1	30	30	27	100
												11758	17	1	16.4	44.8	45	45	45	115	45.6	50	50	46	116
												12658	25.7	1	24.7	55.2	60	60	55	123	56	60	60	55	125
08 (7.5)	208-3-6	12.2	120	19	12.8	103	20	5.8	13.2	1.1		None	-	-	-	47.2	50	60	51	318	49.4	50	60	53	323
												11725	12	1	33.3	88.8	90	90	89	351	91	100	100	91	356
												12525	19	1	51.6	111.7	125	125	110	369	113.9	125	125	112	374
												13225	24	1	66.6	130.5	150	150	127	384	132.7	150	150	130	389
												14225	32	2	88.3	126.9	150	150	119	377	129.6	150	150	121	382
	230-3-6	12.2	120	19	12.8	103	20	5.2	13.2	1		None	-	-	-	46.6	50	50	50	323	48.6	50	60	52	327
												11725	16	1	38.5	94.7	100	100	94	361	96.7	100	100	96	366
												12525	25	1	59.7	121.2	125	125	119	383	123.2	125	125	121	387
												13225	32	1	77	142.9	150	150	138	400	144.9	150	150	141	404
												14225	42	2	102	144	150	150	128	391	146.5	150	150	131	396
	460-3-60	6.4	50	10	5.8	50	9	2.9	6.1	0.5		None	-	-	-	22.8	25	25	24	151	23.8	25	25	26	154
												11746	17	1	19.8	47.6	50	50	47	171	48.6	50	50	48	173
												12846	28	1	33.4	64.6	70	70	63	185	65.6	70	70	64	187
												13346	33	1	39.7	72.4	80	80	70	191	73.4	80	80	71	193
												14246	42	2	50.2	70.4	80	80	63	185	71.6	80	80	64	187
	575-3-60	5.1	41	8	5.1	41	8	2.2	7.7	0.4		None	-	-	-	21.4	25	25	23	133	22.2	25	25	24	135
												11758	17	1	16.4	41.9	45	45	42	150	42.7	45	45	43	152
												13458	34	1	32.7	62.3	70	70	61	166	63.1	70	70	62	168

Table 97: WYE04-06 high indoor blower with powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field-installed kit 2EK045*				MCA (amps)	Min fuse /breaker size (amps)	Max fuse /breaker size(amps)	Min disconnect rating		MCA w/pwr exh (amps)	Min fuse /breaker size w/pwr exh (amps)	Max fuse / breaker size/pwr exh (amps)	Min disconnect rating / pwr exh	
		RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
04 (3)	208-3-60	12.2	97.5	19	2	5.2	1.1	8.6	None	—	—	—	26.8	30	35	27	129	27.9	30	40	29	131
									10625	4.9	1	13.6	43.8	45	50	43	142	44.9	45	50	44	145
									11125	7.9	1	21.9	54.2	60	60	52	151	55.3	60	60	54	153
									11625	12	1	33.3	68.4	70	70	66	162	69.5	70	70	67	164
	230-3-60	12.2	97.5	19	2.3	5.2	1	8.6	None	—	—	—	27.1	30	35	28	132	28.1	30	40	29	134
									10625	6.5	1	15.6	46.6	50	50	46	147	47.6	50	50	47	150
									11125	10.5	1	25.3	58.7	60	60	57	157	59.7	60	60	58	159
									11625	16	1	38.5	75.2	80	80	72	170	76.2	80	80	73	173
	460-3-60	5.8	44.3	9	1.3	2.6	0.5	8.6	None	—	—	—	13.4	15	15	14	62	13.9	15	15	14	63
									10646	6	1	7.2	22.4	25	25	22	69	22.9	25	25	23	70
									11146	11.5	1	13.8	30.7	35	35	30	76	31.2	35	35	30	77
									11446	14	1	16.8	34.4	35	35	33	79	34.9	35	35	34	80
	575-3-60	4.5	27.1	7	1	2	0.4	8.6	None	—	—	—	10.3	15	15	11	41	10.7	15	15	11	42
									11058	9.2	1	8.9	21.4	25	25	21	50	21.8	25	25	21	51
									11458	13.8	1	13.3	26.9	30	30	26	54	27.3	30	30	26	55
05 (4)	208-3-60	12.8	120	20	2	5.2	1.1	8.6	None	—	—	—	27.5	30	40	28	152	28.6	30	40	29	154
									10625	4.9	1	13.6	44.5	45	50	44	165	45.6	50	50	45	168
									11125	7.9	1	21.9	54.9	60	60	53	173	56	60	60	54	176
									11625	12	1	33.3	69.1	70	70	66	185	70.2	80	80	68	187
	230-3-60	12.8	120	20	2.3	5.2	1	8.6	None	—	—	—	27.8	30	40	28	155	28.8	30	40	29	157
									10625	6.5	1	15.6	47.3	50	50	46	170	48.3	50	50	47	173
									11125	10.5	1	25.3	59.4	60	60	57	180	60.4	70	70	59	182
									11625	16	1	38.5	75.9	80	80	73	193	76.9	80	80	74	195
	460-3-60	6	49.4	9	1.3	2.6	0.5	8.6	None	—	—	—	13.6	15	15	14	67	14.1	15	15	14	68
									10646	6	1	7.2	22.6	25	25	22	74	23.1	25	25	23	75
									11146	11.5	1	13.8	30.9	35	35	30	81	31.4	35	35	30	82
									11446	14	1	16.8	34.6	35	35	33	84	35.1	40	40	34	85
	575-3-60	5.8	41	9	1	2	0.4	8.6	None	—	—	—	12	15	15	12	55	12.4	15	15	13	56
									11058	9.2	1	8.9	23.1	25	25	22	64	23.5	25	25	23	65
									11458	13.8	1	13.3	28.6	30	30	27	68	29	30	30	28	69
06 (5)	208-3-60	16	156	25	2	8.9	1.1	8.6	None	—	—	—	35.2	40	50	36	242	36.3	40	50	37	244
									10625	4.9	1	13.6	52.2	60	60	52	256	53.3	60	60	53	258
									11125	7.9	1	21.9	62.6	70	70	61	264	63.7	70	70	62	266
									11625	12	1	33.3	76.8	80	80	74	275	77.9	80	80	75	278
	230-3-60	16	156	25	2.3	8.2	1	8.6	None	—	—	—	34.8	35	50	35	245	35.8	40	50	37	247
									10625	6.5	1	15.6	54.3	60	60	53	260	55.3	60	60	55	263
									11125	10.5	1	25.3	66.4	70	70	65	270	67.4	70	70	66	272
									11625	16	1	38.5	82.9	90	90	80	283	83.9	90	90	81	285
	460-3-60	7.1	69	11	1.3	4.1	0.5	8.6	None	—	—	—	16.5	20	20	17	109	17	20	20	17	110
									10646	6	1	7.2	25.5	30	30	25	116	26	30	30	26	117
									11146	11.5	1	13.8	33.8	35	35	33	122	34.3	35	35	33	123
									11446	14	1	16.8	37.5	40	40	36	125	38	40	40	37	126
	575-3-60	6.4	47.8	10	1	3.2	0.4	8.6	None	—	—	—	13.9	15	20	14	78	14.3	15	20	15	79
									11458	13.8	1	13.3	30.5	35	35	29	91	30.9	35	35	30	92
									12358	23	1	22.1	41.5	45	45	40	100	41.9	45	45	40	101

Table 98: WYEA7 and WYE08 high indoor blower with powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (A)	Min fuse[2]/ breaker[3]size (A)	Max fuse[2]/ breaker [3]size (A)	Min disconnect[4] rating		MCA[1]w/pwr exh (amps)	Min fuse/[2]/ breaker [3]size w/ pwr exh (A)	Max fuse[2]/ breaker[3]size w/ pwr exh (A)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
With VFD																									
A7 (6)	208-3-6	19.2	162	30				4.4	13	1.1	8.6	None	-	-	-	50.3	60	60	52	239	52.5	60	70	55	244
												10725	4.9	1	13.6	67.3	70	80	68	253	69.5	70	80	70	258
												11725	12	1	33.3	91.9	100	100	91	272	94.1	100	100	93	277
												12525	18.6	1	51.6	114.8	125	125	112	291	117	125	125	114	296
	230-3-6	19.2	162	30				4.4	13	1	8.6	None	-	-	-	50.3	60	60	52	247	52.3	60	70	55	252
												10725	6.5	1	15.6	69.8	70	80	70	263	71.8	80	80	73	267
												11725	16	1	38.5	98.4	100	100	97	286	100.4	110	110	99	290
												12525	24.8	1	59.7	124.9	125	125	121	307	126.9	150	150	123	312
	460-3-60	9.1	70.8	14				2.3	6.1	0.5	8.6	None	-	-	-	24.3	25	30	25	113	25.3	30	30	26	115
												10746	6	1	7.2	33.3	35	40	34	120	34.3	35	40	35	123
												11746	16.5	1	19.8	49.1	50	50	48	133	50.1	60	60	49	135
												12646	25.5	1	30.7	62.7	70	70	61	144	63.7	70	70	62	146
	575-3-60	6.2	58.2	10				4.4	7.7	0.4	8.6	None	-	-	-	26	30	30	28	100	26.8	30	30	29	102
												11758	17	1	16.4	46.5	50	50	47	116	47.3	50	50	48	118
												12658	25.7	1	24.7	56.9	60	60	56	125	57.7	60	60	57	126
08 (7.5)	208-3-6	12.2	120	19	12.8	103	20	5.8	13.2	1.1	8.6	None	-	-	-	51.5	60	60	56	322	53.7	60	60	58	327
												11725	12	1	33.3	93.1	100	100	94	355	95.3	100	100	96	360
												12525	19	1	51.6	116	125	125	115	374	118.2	125	125	117	379
												13225	24	1	66.6	134.8	150	150	132	389	137	150	150	135	394
												14225	32	2	88.3	132.3	150	150	124	381	135	150	150	126	386
	230-3-6	12.2	120	19	12.8	103	20	5.2	13.2	1	8.6	None	-	-	-	50.9	60	60	55	327	52.9	60	60	57	332
												11725	16	1	38.5	99	100	100	99	366	101	110	110	101	370
												12525	25	1	59.7	125.5	150	150	124	387	127.5	150	150	126	391
												13225	32	1	77	147.2	150	150	143	404	149.2	150	150	146	409
												14225	42	2	102	149.4	150	150	133	395	151.9	175	175	135	400
	460-3-60	6.4	50	10	5.8	50	9	2.9	6.1	0.5	8.6	None	-	-	-	25	30	30	27	153	26	30	30	28	156
												11746	17	1	19.8	49.8	50	50	50	173	50.8	60	60	51	175
												12846	28	1	33.4	66.8	70	70	65	187	67.8	70	70	66	189
												13346	33	1	39.7	74.6	80	80	73	193	75.6	80	80	74	195
												14246	42	2	50.2	73.1	80	80	65	187	74.3	80	80	66	189
	575-3-60	5.1	41	8	5.1	41	8	2.2	7.7	0.4	8.6	None	-	-	-	23.1	25	25	25	135	23.9	25	25	26	137
												11758	17	1	16.4	43.6	45	45	44	151	44.4	45	45	45	153
												13458	34	1	32.7	64	70	70	63	168	64.8	70	70	64	170

WXE electrical data

Table 99: WXEA7-12 standard indoor blower VFD without powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (A)	Min fuse[2]/ breaker[2]size (A)	Max fuse[2]/ breaker [2]size (A)	Min disconnect[4] rating		MCA[1]w/pwr exh (amps)	Min fuse[2]/ breaker [3]size w/ pwr exh (A)	Max fuse[2]/ breaker[3]size w/ pwr exh (A)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
With VFD																									
A7 (6)	208-3-60	19.2	162	30				2	9	1.1		None	-	-	-	35	35	50	35	227	36.1	40	50	36	229
												10625	4.9	1	13.6	52	60	60	50	240	53.1	60	60	52	243
												11125	7.9	1	21.9	62.4	70	70	60	249	63.5	70	70	61	251
												11625	12	1	33.3	76.6	80	80	73	260	77.7	80	80	74	263
	230-3-60	19.2	162	30				2.3	9	1		None	-	-	-	35.3	40	50	35	229	36.3	40	50	36	231
												10625	6.5	1	15.6	54.8	60	70	53	245	55.8	60	70	54	247
												11125	11	1	25.3	66.9	70	70	64	254	67.9	70	80	65	257
												11625	16	1	38.5	83.4	90	90	79	268	84.4	90	90	81	270
	460-3-60	9.1	70.8	14				1.3	4.6	0.5		None	-	-	-	17.3	20	25	17	105	17.8	20	25	18	106
												10646	6	1	7.2	26.3	30	30	26	112	26.8	30	30	26	113
												11146	12	1	13.8	34.6	35	40	33	118	35.1	40	40	34	120
												11446	14	1	16.8	38.3	40	40	37	121	38.8	40	40	37	123
	575-3-60	6.2	58.2	10				1	3.5	0.4		None	-	-	-	12.3	15	15	12	78	12.7	15	15	13	79
08 (7.5)	208-3-60	12.2	120	19	12.2	120	19	2	9	1.1		None	-	-	-	40.5	45	50	43	310	42.7	45	50	46	315
												11725	12	1	33.3	82.1	90	90	81	343	84.3	90	90	84	348
												12525	19	1	51.6	105	110	110	102	361	107.2	110	110	105	366
												13225	24	1	66.6	123.8	125	125	120	376	126	150	150	122	381
												14225	32	2	88.3	121.6	125	125	111	369	124.4	125	125	114	374
	230-3-60	12.2	120	19	12.2	120	19	2.3	9	1		None	-	-	-	41.1	45	50	44	312	43.1	45	50	46	317
												11725	16	1	38.5	89.2	90	90	88	351	91.2	100	100	90	356
												12525	25	1	59.7	115.7	125	125	112	372	117.7	125	125	115	377
												13225	32	1	77	137.4	150	150	132	389	139.4	150	150	135	394
												14225	42	2	102	138.8	150	150	122	381	141.3	150	150	124	385
	460-3-60	6.4	50	10	6.4	50	10	1.3	4.6	0.5		None	-	-	-	21.6	25	25	23	137	22.6	25	25	24	139
												11746	17	1	19.8	46.4	50	50	46	157	47.4	50	50	47	159
												12846	28	1	33.4	63.4	70	70	61	170	64.4	70	70	63	172
												13346	33	1	39.7	71.2	80	80	69	176	72.2	80	80	70	179
												14246	42	2	50.2	68.5	70	70	61	170	69.8	70	70	63	172
	575-3-60	5.1	41	8	5.1	41	8	1	3.5	0.4		None	-	-	-	17	20	20	18	104	17.8	20	20	19	106
												11758	17	1	16.4	37.5	40	40	37	121	38.3	40	40	38	123
												13458	34	1	32.7	57.9	60	60	56	137	58.7	60	60	57	139
09 (8.5)	208-3-6	13.5	120	21	13.5	120	21	5.8	9	1.1		None	-	-	-	45.2	50	50	48	323	47.4	50	50	51	328
												11725	12	1	33.3	86.8	90	90	86	356	89	90	90	89	361
												12525	18.6	1	51.6	109.7	110	110	107	375	111.9	125	125	110	380
												13225	24	1	66.6	128.5	150	150	125	390	130.7	150	150	127	395
												14225	31.8	2	88.3	121.6	125	125	116	382	124.4	125	125	119	387
	230-3-6	13.5	120	21	13.5	120	21	5.2	9	1		None	-	-	-	44.6	45	50	47	322	46.6	50	60	50	326
												11725	16	1	38.5	92.7	100	100	92	360	94.7	100	100	94	365
												12525	24.8	1	59.7	119.2	125	125	116	381	121.2	125	125	118	386
												13225	32	1	77	140.9	150	150	136	399	142.9	150	150	138	403
												14225	42.4	2	102	138.8	150	150	126	390	141.3	150	150	128	394
	460-3-60	6.4	50	10	6.4	50	10	2.9	4.6	0.5		None	-	-	-	21.9	25	25	23	142	22.9	25	25	24	144
												11746	16.5	1	19.8	46.7	50	50	46	162	47.7	50	50	47	164
												12846	27.8	1	33.4	63.7	70	70	62	175	64.7	70	70	63	178
												13346	33	1	39.7	71.5	80	80	69	182	72.5	80	80	70	184
												14246	41.7	2	50.2	68.5	70	70	62	175	69.8	70	70	63	178
	575-3-60	5.1	41	8	5.1	41	8	2.2	3.5	0.4		None	-	-	-	17.2	20	20	18	111	18	20	20	19	113
												11758	17	1	16.4	37.7	40	40	37	127	38.5	40	40	38	129
												13458	34	1	32.7	58.1	60	60	56	144	58.9	60	60	57	146

Table 99: WXEA7-12 standard indoor blower VFD without powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (A)	Min fuse[2]/ breaker[3]size (A)	Max fuse[2]/ breaker [3]size (A)	Min disconnect[4] rating		MCA[1]w/pwr exh (amps)	Min fuse/[2]/ breaker [3]size w/ pwr exh (A)	Max fuse[2]/ breaker[3]size w/ pwr exh (A)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
With VFD																									
12 (10)	208-3-60	18.6	155	29	16	156	25	5.8	9	1.1		None	-	-	-	54.1	60	70	57	394	56.3	60	70	59	399
												11725	12	1	33.3	95.7	100	100	95	427	97.9	100	100	98	432
												12525	19	1	51.6	118.6	125	125	116	445	120.8	125	125	119	450
												13225	24	1	66.6	137.4	150	150	133	460	139.6	150	150	136	465
												14225	32	2	88.3	128	150	150	125	453	130.2	150	150	127	458
	230-3-60	18.6	155	29	16	156	25	5.2	9	1		None	-	-	-	53.5	60	70	56	392	55.5	60	70	58	397
												11725	16	1	38.5	101.6	110	110	100	431	103.6	110	110	103	435
												12525	25	1	59.7	128.1	150	150	125	452	130.1	150	150	127	457
												13225	32	1	77	149.8	150	150	145	469	151.8	175	175	147	474
												14225	42	2	102	138.8	150	150	134	460	141.3	150	150	137	465
	460-3-60	8.3	58.1	13	7.1	69	11	2.9	4.6	0.5		None	-	-	-	25	30	30	26	169	26	30	30	27	171
												11746	17	1	19.8	49.8	50	50	49	189	50.8	60	60	50	191
												12846	28	1	33.4	66.8	70	70	65	202	67.8	70	70	66	205
												13346	33	1	39.7	74.6	80	80	72	209	75.6	80	80	73	211
												14246	42	2	50.2	68.5	70	70	65	202	69.8	70	70	66	205
	575-3-60	7.7	47.8	12	6.4	47.8	10	2.2	3.5	0.4		None	-	-	-	21.7	25	25	23	125	22.5	25	25	24	126
												11758	17	1	16.4	42.2	45	45	42	141	43	45	45	43	143
												13458	34	1	32.7	62.6	70	70	60	157	63.4	70	70	61	159

Table 100: WXEA7-12 standard indoor blower VFD with powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (A)	Min fuse[2]/ breaker[3]size (A)	Max fuse[2]/ breaker [3]size (A)	Min disconnect[4] rating		MCA[1]w/pwr exh (amps)	Min fuse/[2]/ breaker [3]size w/ pwr exh (A)	Max fuse[2]/ breaker[3]size w/ pwr exh (A)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
With VFD																									
A7 (6)	208-3-60	19.2	162	30				2	9	1.1	8.6	None	-	-	-	39.3	40	50	40	231	40.4	45	50	41	234
												10625	4.9	1	13.6	56.3	60	70	55	245	57.4	60	70	57	247
												11125	7.9	1	21.9	66.7	70	80	65	253	67.8	70	80	66	256
												11625	12	1	33.3	80.9	90	90	78	264	82	90	90	79	267
	230-3-60	19.2	162	30				2.3	9	1	8.6	None	-	-	-	39.6	40	50	40	233	40.6	45	50	41	236
												10625	6.5	1	15.6	59.1	60	70	58	249	60.1	70	70	59	251
												11125	11	1	25.3	71.2	80	80	69	259	72.2	80	80	70	261
												11625	16	1	38.5	87.7	90	90	84	272	88.7	90	90	85	274
	460-3-60	9.1	70.8	14				1.3	4.6	0.5	8.6	None	-	-	-	19.5	20	25	20	107	20	20	25	20	108
												10646	6	1	7.2	28.5	30	35	28	114	29	30	35	29	115
												11146	12	1	13.8	36.8	40	40	36	121	37.3	40	40	36	122
												11446	14	1	16.8	40.5	45	45	39	124	41	45	45	40	125
	575-3-60	6.2	58.2	10				1	3.5	0.4	8.6	None	-	-	-	14	15	20	14	80	14.4	15	20	15	81
08 (7.5)	208-3-60	12.2	120	19	12.2	120	19	2	9	1.1	8.6	None	-	-	-	44.8	45	50	48	314	47	50	50	50	319
												11725	12	1	33.3	86.4	90	90	86	347	88.6	90	90	89	352
												12525	19	1	51.6	109.3	110	110	107	366	111.5	125	125	110	371
												13225	24	1	66.6	128.1	150	150	125	381	130.3	150	150	127	386
												14225	32	2	88.3	127	150	150	116	373	129.8	150	150	118	378
	230-3-60	12.2	120	19	12.2	120	19	2.3	9	1	8.6	None	-	-	-	45.4	50	50	49	317	47.4	50	50	51	321
												11725	16	1	38.5	93.5	100	100	93	355	95.5	100	100	95	360
												12525	25	1	59.7	120	125	125	117	376	122	125	125	120	381
												13225	32	1	77	141.7	150	150	137	394	143.7	150	150	139	398
												14225	42	2	102	144.1	150	150	127	385	146.6	150	150	129	389
	460-3-60	6.4	50	10	6.4	50	10	1.3	4.6	0.5	8.6	None	-	-	-	23.8	25	30	26	139	24.8	25	30	27	141
												11746	17	1	19.8	48.6	50	50	48	159	49.6	50	50	49	161
												12846	28	1	33.4	65.6	70	70	64	172	66.6	70	70	65	174
												13346	33	1	39.7	73.4	80	80	71	179	74.4	80	80	72	181
												14246	42	2	50.2	71.2	80	80	64	172	72.4	80	80	65	174
	575-3-60	5.1	41	8	5.1	41	8	1	3.5	0.4	8.6	None	-	-	-	18.7	20	20	20	106	19.5	20	20	21	108
												11758	17	1	16.4	39.2	40	40	39	122	40	40	40	40	124
												13458	34	1	32.7	59.6	60	60	58	139	60.4	70	70	59	141
09 (8.5)	208-3-6	13.5	120	21	13.5	120	21	5.8	9	1.1	8.6	None	-	-	-	49.5	50	60	53	327	51.7	60	60	56	332
												11725	12	1	33.3	91.1	100	100	91	361	93.3	100	100	94	366
												12525	18.6	1	51.6	114	125	125	112	379	116.2	125	125	115	384
												13225	24	1	66.6	132.8	150	150	130	394	135	150	150	132	399
												14225	31.8	2	88.3	127	150	150	121	386	129.8	150	150	124	391
	230-3-6	13.5	120	21	13.5	120	21	5.2	9	1	8.6	None	-	-	-	48.9	50	60	52	326	50.9	60	60	55	331
												11725	16	1	38.5	97	100	100	97	364	99	100	100	99	369
												12525	24.8	1	59.7	123.5	125	125	121	386	125.5	150	150	123	390
												13225	32	1	77	145.2	150	150	141	403	147.2	150	150	143	408
												14225	42.4	2	102	144.1	150	150	131	394	146.6	150	150	133	399
	460-3-60	6.4	50	10	6.4	50	10	2.9	4.6	0.5	8.6	None	-	-	-	24.1	25	30	26	144	25.1	30	30	27	146
												11746	16.5	1	19.8	48.9	50	50	49	164	49.9	50	50	50	166
												12846	27.8	1	33.4	65.9	70	70	64	177	66.9	70	70	65	180
												13346	33	1	39.7	73.7	80	80	72	184	74.7	80	80	73	186
												14246	41.7	2	50.2	71.2	80	80	64	177	72.4	80	80	65	180
	575-3-60	5.1	41	8	5.1	41	8	2.2	3.5	0.4	8.6	None	-	-	-	18.9	20	20	20	113	19.7	20	20	21	115
												11758	17	1	16.4	39.4	40	40	39	129	40.2	45	45	40	131
												13458	34	1	32.7	59.8	60	60	58	145	60.6	70	70	59	147

Table 100: WXEA7-12 standard indoor blower VFD with powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (A)	Min fuse[2]/ breaker[3]size (A)	Max fuse[2]/ breaker [3]size (A)	Min disconnect[4] rating		MCA[1]w/pwr exh (amps)	Min fuse/[2]/ breaker [3]size w/ pwr exh (A)	Max fuse[2]/ breaker[3]size w/ pwr exh (A)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
With VFD																									
12 (10)	208-3-60	18.6	155	29	16	156	25	5.8	9	1.1	8.6	None	-	-	-	58.4	60	70	62	398	60.6	70	70	64	403
												11725	12	1	33.3	100	100	110	100	431	102.2	110	110	103	436
												12525	19	1	51.6	122.9	125	125	121	449	125.1	150	150	124	454
												13225	24	1	66.6	141.7	150	150	138	464	143.9	150	150	141	469
												14225	32	2	88.3	132.3	150	150	130	457	134.5	150	150	132	462
	230-3-60	18.6	155	29	16	156	25	5.2	9	1	8.6	None	-	-	-	57.8	60	70	61	397	59.8	60	70	63	401
												11725	16	1	38.5	105.9	110	110	105	435	107.9	110	110	108	440
												12525	25	1	59.7	132.4	150	150	130	456	134.4	150	150	132	461
												13225	32	1	77	154.1	175	175	150	474	156.1	175	175	152	478
												14225	42	2	102	144.1	150	150	139	465	146.6	150	150	142	469
	460-3-60	8.3	58.1	13	7.1	69	11	2.9	4.6	0.5	8.6	None	-	-	-	27.2	30	35	29	171	28.2	30	35	30	173
												11746	17	1	19.8	52	60	60	52	191	53	60	60	53	193
												12846	28	1	33.4	69	70	70	67	205	70	70	70	68	207
												13346	33	1	39.7	76.8	80	80	75	211	77.8	80	80	76	213
												14246	42	2	50.2	71.2	80	80	67	205	72.4	80	80	68	207
	575-3-60	7.7	47.8	12	6.4	47.8	10	2.2	3.5	0.4	8.6	None	-	-	-	23.4	25	30	25	126	24.2	25	30	26	128
												11758	17	1	16.4	43.9	45	45	44	143	44.7	45	45	45	145
												13458	34	1	32.7	64.3	70	70	62	159	65.1	70	70	63	161

Table 101: WXEA7-12 medium indoor blower VFD without powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (A)	Min fuse[2]/ breaker[3]size (A)	Max fuse[2]/ breaker [3]size (A)	Min disconnect[4] rating		MCA[1]w/pwr exh (amps)	Min fuse/[2]/ breaker [3]size w/ pwr exh (A)	Max fuse[2]/ breaker[3]size w/ pwr exh (A)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
With VFD																									
A7 (6)	208-3-60	19.2	162	30				2	13.2	1.1		None	-	-	-	39.2	40	50	40	244	40.3	45	50	41	246
												10625	4.9	1	13.6	56.2	60	70	55	257	57.3	60	70	56	260
												11125	7.9	1	21.9	66.6	70	80	65	265	67.7	70	80	66	268
												11625	12	1	33.3	80.8	90	90	78	277	81.9	90	90	79	279
	230-3-60	19.2	162	30				2.3	13.2	1		None	-	-	-	39.5	40	50	40	246	40.5	45	50	41	249
												10625	6.5	1	15.6	59	60	70	58	262	60	60	70	59	264
												11125	11	1	25.3	71.1	80	80	69	272	72.1	80	80	70	274
												11625	16	1	38.5	87.6	90	90	84	285	88.6	90	90	85	287
	460-3-60	9.1	70.8	14				1.3	6.1	0.5		None	-	-	-	18.8	20	25	19	108	19.3	20	25	20	109
												10646	6	1	7.2	27.8	30	35	27	115	28.3	30	35	28	117
												11146	12	1	13.8	36.1	40	40	35	122	36.6	40	40	35	123
												11446	14	1	16.8	39.8	40	40	38	125	40.3	45	45	39	126
	575-3-60	6.2	58.2	10				1	4.9	0.4		None	-	-	-	13.7	15	15	14	87	14.1	15	15	14	88
08 (7.5)	208-3-60	12.2	120	19	12.2	120	19	2	9	1.1		None	-	-	-	40.5	45	50	43	310	42.7	45	50	46	315
												11725	12	1	33.3	82.1	90	90	81	343	84.3	90	90	84	348
												12525	19	1	51.6	105	110	110	102	361	107.2	110	110	105	366
												13225	24	1	66.6	123.8	125	125	120	376	126	150	150	122	381
												14225	32	2	88.3	121.6	125	125	111	369	124.4	125	125	114	374
	230-3-60	12.2	120	19	12.2	120	19	2.3	9	1		None	-	-	-	41.1	45	50	44	312	43.1	45	50	46	317
												11725	16	1	38.5	89.2	90	90	88	351	91.2	100	100	90	356
												12525	25	1	59.7	115.7	125	125	112	372	117.7	125	125	115	377
												13225	32	1	77	137.4	150	150	132	389	139.4	150	150	135	394
												14225	42	2	102	138.8	150	150	122	381	141.3	150	150	124	385
	460-3-60	6.4	50	10	6.4	50	10	1.3	4.6	0.5		None	-	-	-	21.6	25	25	23	137	22.6	25	25	24	139
												11746	17	1	19.8	46.4	50	50	46	157	47.4	50	50	47	159
												12846	28	1	33.4	63.4	70	70	61	170	64.4	70	70	63	172
												13346	33	1	39.7	71.2	80	80	69	176	72.2	80	80	70	179
												14246	42	2	50.2	68.5	70	70	61	170	69.8	70	70	63	172
	575-3-60	5.1	41	8	5.1	41	8	1	3.5	0.4		None	-	-	-	17	20	20	18	104	17.8	20	20	19	106
												11758	17	1	16.4	37.5	40	40	37	121	38.3	40	40	38	123
												13458	34	1	32.7	57.9	60	60	56	137	58.7	60	60	57	139
09 (8.5)	208-3-6	13.5	120	21	13.5	120	21	5.8	9	1.1		None	-	-	-	45.2	50	50	48	323	47.4	50	50	51	328
												11725	12	1	33.3	86.8	90	90	86	356	89	90	90	89	361
												12525	18.6	1	51.6	109.7	110	110	107	375	111.9	125	125	110	380
												13225	24	1	66.6	128.5	150	150	125	390	130.7	150	150	127	395
												14225	31.8	2	88.3	121.6	125	125	116	382	124.4	125	125	119	387
	230-3-6	13.5	120	21	13.5	120	21	5.2	9	1		None	-	-	-	44.6	45	50	47	322	46.6	50	60	50	326
												11725	16	1	38.5	92.7	100	100	92	360	94.7	100	100	94	365
												12525	24.8	1	59.7	119.2	125	125	116	381	121.2	125	125	118	386
												13225	32	1	77	140.9	150	150	136	399	142.9	150	150	138	403
												14225	42.4	2	102	138.8	150	150	126	390	141.3	150	150	128	394
	460-3-60	6.4	50	10	6.4	50	10	2.9	4.6	0.5		None	-	-	-	21.9	25	25	23	142	22.9	25	25	24	144
												11746	16.5	1	19.8	46.7	50	50	46	162	47.7	50	50	47	164
												12846	27.8	1	33.4	63.7	70	70	62	175	64.7	70	70	63	178
												13346	33	1	39.7	71.5	80	80	69	182	72.5	80	80	70	184
												14246	41.7	2	50.2	68.5	70	70	62	175	69.8	70	70	63	178
	575-3-60	5.1	41	8	5.1	41	8	2.2	3.5	0.4		None	-	-	-	17.2	20	20	18	111	18	20	20	19	113
												11758	17	1	16.4	37.7	40	40	37	127	38.5	40	40	38	129
												13458	34	1	32.7	58.1	60	60	56	144	58.9	60	60	57	146

Table 101: WXEA7-12 medium indoor blower VFD without powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (A)	Min fuse[2]/ breaker[3]size (A)	Max fuse[2]/ breaker [3]size (A)	Min disconnect[4] rating		MCA[1]w/pwr exh (amps)	Min fuse/[2]/ breaker [3]size w/ pwr exh (A)	Max fuse[2]/ breaker[3]size w/ pwr exh (A)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
With VFD																									
12 (10)	208-3-60	18.6	155	29	16	156	25	5.8	13.2	1.1		None	-	-	-	58.3	60	70	62	406	60.5	70	70	64	411
												11725	12	1	33.3	99.9	100	110	100	439	102.1	110	110	102	444
												12525	19	1	51.6	122.8	125	125	121	458	125	150	150	124	463
												13225	24	1	66.6	141.6	150	150	138	473	143.8	150	150	141	478
												14225	32	2	88.3	132.2	150	150	130	465	134.4	150	150	132	470
	230-3-60	18.6	155	29	16	156	25	5.2	13.2	1		None	-	-	-	57.7	60	70	61	411	59.7	60	70	63	416
												11725	16	1	38.5	105.8	110	110	105	450	107.8	110	110	108	454
												12525	25	1	59.7	132.3	150	150	130	471	134.3	150	150	132	475
												13225	32	1	77	154	175	175	150	488	156	175	175	152	493
												14225	42	2	102	144	150	150	139	479	146.5	150	150	142	484
	460-3-60	8.3	58.1	13	7.1	69	11	2.9	6.1	0.5		None	-	-	-	26.5	30	30	28	178	27.5	30	30	29	181
												11746	17	1	19.8	51.3	60	60	51	198	52.3	60	60	52	200
												12846	28	1	33.4	68.3	70	70	66	212	69.3	70	70	68	214
												13346	33	1	39.7	76.1	80	80	74	218	77.1	80	80	75	220
												14246	42	2	50.2	70.4	80	80	66	212	71.6	80	80	68	214
	575-3-60	7.7	47.8	12	6.4	47.8	10	2.2	7.7	0.4		None	-	-	-	25.9	30	30	28	147	26.7	30	30	29	149
												11758	17	1	16.4	46.4	50	50	46	163	47.2	50	50	47	165
												13458	34	1	32.7	66.8	70	70	65	180	67.6	70	70	66	181

Table 102: WXEA7-12 medium indoor blower VFD with powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (A)	Min fuse[2]/ breaker[3]size (A)	Max fuse[2]/ breaker [3]size (A)	Min disconnect[4] rating		MCA[1]w/pwr exh (amps)	Min fuse/[2]/ breaker [3]size w/ pwr exh (A)	Max fuse[2]/ breaker[3]size w/ pwr exh (A)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
With VFD																									
A7 (6)	208-3-60	19.2	162	30				2	13.2	1.1	8.6	None	-	-	-	43.5	45	60	45	248	44.6	45	60	46	250
												10625	4.9	1	13.6	60.5	70	70	60	261	61.6	70	70	61	264
												11125	7.9	1	21.9	70.9	80	80	70	270	72	80	80	71	272
												11625	12	1	33.3	85.1	90	90	83	281	86.2	90	90	84	284
	230-3-60	19.2	162	30				2.3	13.2	1	8.6	None	-	-	-	43.8	45	60	45	251	44.8	45	60	46	253
												10625	6.5	1	15.6	63.3	70	70	63	266	64.3	70	70	64	268
												11125	11	1	25.3	75.4	80	80	74	276	76.4	80	80	75	278
												11625	16	1	38.5	91.9	100	100	89	289	92.9	100	100	90	291
	460-3-60	9.1	70.8	14				1.3	6.1	0.5	8.6	None	-	-	-	21	25	30	22	110	21.5	25	30	22	111
												10646	6	1	7.2	30	30	35	30	118	30.5	35	35	30	119
												11146	12	1	13.8	38.3	40	40	37	124	38.8	40	40	38	125
												11446	14	1	16.8	42	45	45	41	127	42.5	45	45	41	128
	575-3-60	6.2	58.2	10				1	4.9	0.4	8.6	None	-	-	-	15.4	20	20	16	88	15.8	20	20	16	89
08 (7.5)	208-3-60	12.2	120	19	12.2	120	19	2	9	1.1	8.6	None	-	-	-	44.8	45	50	48	314	47	50	50	50	319
												11725	12	1	33.3	86.4	90	90	86	347	88.6	90	90	89	352
												12525	19	1	51.6	109.3	110	110	107	366	111.5	125	125	110	371
												13225	24	1	66.6	128.1	150	150	125	381	130.3	150	150	127	386
												14225	32	2	88.3	127	150	150	116	373	129.8	150	150	118	378
	230-3-60	12.2	120	19	12.2	120	19	2.3	9	1	8.6	None	-	-	-	45.4	50	50	49	317	47.4	50	50	51	321
												11725	16	1	38.5	93.5	100	100	93	355	95.5	100	100	95	360
												12525	25	1	59.7	120	125	125	117	376	122	125	125	120	381
												13225	32	1	77	141.7	150	150	137	394	143.7	150	150	139	398
												14225	42	2	102	144.1	150	150	127	385	146.6	150	150	129	389
	460-3-60	6.4	50	10	6.4	50	10	1.3	4.6	0.5	8.6	None	-	-	-	23.8	25	30	26	139	24.8	25	30	27	141
												11746	17	1	19.8	48.6	50	50	48	159	49.6	50	50	49	161
												12846	28	1	33.4	65.6	70	70	64	172	66.6	70	70	65	174
												13346	33	1	39.7	73.4	80	80	71	179	74.4	80	80	72	181
												14246	42	2	50.2	71.2	80	80	64	172	72.4	80	80	65	174
	575-3-60	5.1	41	8	5.1	41	8	1	3.5	0.4	8.6	None	-	-	-	18.7	20	20	20	106	19.5	20	20	21	108
												11758	17	1	16.4	39.2	40	40	39	122	40	40	40	40	124
												13458	34	1	32.7	59.6	60	60	58	139	60.4	70	70	59	141
09 (8.5)	208-3-6	13.5	120	21	13.5	120	21	5.8	9	1.1	8.6	None	-	-	-	49.5	50	60	53	327	51.7	60	60	56	332
												11725	12	1	33.3	91.1	100	100	91	361	93.3	100	100	94	366
												12525	18.6	1	51.6	114	125	125	112	379	116.2	125	125	115	384
												13225	24	1	66.6	132.8	150	150	130	394	135	150	150	132	399
												14225	31.8	2	88.3	127	150	150	121	386	129.8	150	150	124	391
	230-3-6	13.5	120	21	13.5	120	21	5.2	9	1	8.6	None	-	-	-	48.9	50	60	52	326	50.9	60	60	55	331
												11725	16	1	38.5	97	100	100	97	364	99	100	100	99	369
												12525	24.8	1	59.7	123.5	125	125	121	386	125.5	150	150	123	390
												13225	32	1	77	145.2	150	150	141	403	147.2	150	150	143	408
												14225	42.4	2	102	144.1	150	150	131	394	146.6	150	150	133	399
	460-3-60	6.4	50	10	6.4	50	10	2.9	4.6	0.5	8.6	None	-	-	-	24.1	25	30	26	144	25.1	30	30	27	146
												11746	16.5	1	19.8	48.9	50	50	49	164	49.9	50	50	50	166
												12846	27.8	1	33.4	65.9	70	70	64	177	66.9	70	70	65	180
												13346	33	1	39.7	73.7	80	80	72	184	74.7	80	80	73	186
												14246	41.7	2	50.2	71.2	80	80	64	177	72.4	80	80	65	180
	575-3-60	5.1	41	8	5.1	41	8	2.2	3.5	0.4	8.6	None	-	-	-	18.9	20	20	20	113	19.7	20	20	21	115
												11758	17	1	16.4	39.4	40	40	39	129	40.2	45	45	40	131
												13458	34	1	32.7	59.8	60	60	58	145	60.6	70	70	59	147

Table 102: WXEA7-12 medium indoor blower VFD with powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (A)	Min fuse[2]/ breaker[3]size (A)	Max fuse[2]/ breaker [3]size (A)	Min disconnect[4] rating		MCA[1]w/pwr exh (amps)	Min fuse/[2]/ breaker [3]size w/ pwr exh (A)	Max fuse[2]/ breaker[3]size w/ pwr exh (A)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
With VFD																									
12 (10)	208-3-60	18.6	155	29	16	156	25	5.8	13.2	1.1	8.6	None	-	-	-	62.6	70	80	67	410	64.8	70	80	69	415
												11725	12	1	33.3	104.2	110	110	105	444	106.4	110	110	107	449
												12525	19	1	51.6	127.1	150	150	126	462	129.3	150	150	128	467
												13225	24	1	66.6	145.9	150	150	143	477	148.1	150	150	146	482
												14225	32	2	88.3	136.5	150	150	135	469	138.7	150	150	137	474
	230-3-60	18.6	155	29	16	156	25	5.2	13.2	1	8.6	None	-	-	-	62	70	80	66	415	64	70	80	68	420
												11725	16	1	38.5	110.1	125	125	110	454	112.1	125	125	112	458
												12525	25	1	59.7	136.6	150	150	135	475	138.6	150	150	137	480
												13225	32	1	77	158.3	175	175	154	492	160.3	175	175	157	497
												14225	42	2	102	149.4	150	150	144	483	151.9	175	175	147	488
	460-3-60	8.3	58.1	13	7.1	69	11	2.9	6.1	0.5	8.6	None	-	-	-	28.7	30	35	31	181	29.7	30	35	32	183
												11746	17	1	19.8	53.5	60	60	53	200	54.5	60	60	55	203
												12846	28	1	33.4	70.5	80	80	69	214	71.5	80	80	70	216
												13346	33	1	39.7	78.3	80	80	76	220	79.3	80	80	77	222
												14246	42	2	50.2	73.1	80	80	69	214	74.3	80	80	70	216
	575-3-60	7.7	47.8	12	6.4	47.8	10	2.2	7.7	0.4	8.6	None	-	-	-	27.6	30	35	30	149	28.4	30	35	30	150
												11758	17	1	16.4	48.1	50	50	48	165	48.9	50	50	49	167
												13458	34	1	32.7	68.5	70	70	67	181	69.3	70	70	68	183

Table 103: WXEA7-12 high indoor blower VFD without powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (A)	Min fuse[2]/ breaker[3]size (A)	Max fuse[2]/ breaker [3]size (A)	Min disconnect[4] rating		MCA[1]w/pwr exh (amps)	Min fuse/[2]/ breaker [3]size w/ pwr exh (A)	Max fuse[2]/ breaker[3]size w/ pwr exh (A)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
With VFD																									
A7 (6)	208-3-60	19.2	162	30				2	13.2	1.1		None	-	-	-	39.2	40	50	40	239	40.3	45	50	41	242
												10625	4.9	1	13.6	56.2	60	70	55	253	57.3	60	70	56	255
												11125	7.9	1	21.9	66.6	70	80	65	261	67.7	70	80	66	264
												11625	12	1	33.3	80.8	90	90	78	273	81.9	90	90	79	275
	230-3-60	19.2	162	30				2.3	13.2	1		None	-	-	-	39.5	40	50	40	248	40.5	45	50	41	250
												10625	6.5	1	15.6	59	60	70	58	263	60	60	70	59	266
												11125	11	1	25.3	71.1	80	80	69	273	72.1	80	80	70	275
												11625	16	1	38.5	87.6	90	90	84	286	88.6	90	90	85	289
	460-3-60	9.1	70.8	14				1.3	6.1	0.5		None	-	-	-	18.8	20	25	19	114	19.3	20	25	20	115
												10646	6	1	7.2	27.8	30	35	27	121	28.3	30	35	28	122
												11146	12	1	13.8	36.1	40	40	35	128	36.6	40	40	35	129
												11446	14	1	16.8	39.8	40	40	38	131	40.3	45	45	39	132
	575-3-60	6.2	58.2	10				1	7.7	0.4		None	-	-	-	16.5	20	20	17	101	16.9	20	20	18	101
08 (7.5)	208-3-60	12.2	120	19	12.2	120	19	2	13.2	1.1		None	-	-	-	44.7	45	50	48	322	46.9	50	50	50	327
												11725	12	1	33.3	86.3	90	90	86	355	88.5	90	90	89	360
												12525	19	1	51.6	109.2	110	110	107	374	111.4	125	125	110	379
												13225	24	1	66.6	128	150	150	124	389	130.2	150	150	127	394
												14225	32	2	88.3	126.9	150	150	116	381	129.6	150	150	118	386
	230-3-60	12.2	120	19	12.2	120	19	2.3	13.2	1		None	-	-	-	45.3	50	50	49	331	47.3	50	50	51	336
												11725	16	1	38.5	93.4	100	100	93	370	95.4	100	100	95	374
												12525	25	1	59.7	119.9	125	125	117	391	121.9	125	125	119	396
												13225	32	1	77	141.6	150	150	137	408	143.6	150	150	139	413
												14225	42	2	102	144	150	150	127	399	146.5	150	150	129	404
	460-3-60	6.4	50	10	6.4	50	10	1.3	6.1	0.5		None	-	-	-	23.1	25	25	25	146	24.1	25	25	26	148
												11746	17	1	19.8	47.9	50	50	47	166	48.9	50	50	49	168
												12846	28	1	33.4	64.9	70	70	63	180	65.9	70	70	64	182
												13346	33	1	39.7	72.7	80	80	70	186	73.7	80	80	72	188
												14246	42	2	50.2	70.4	80	80	63	180	71.6	80	80	64	182
	575-3-60	5.1	41	8	5.1	41	8	1	7.7	0.4		None	-	-	-	21.2	25	25	23	127	22	25	25	24	128
												11758	17	1	16.4	41.7	45	45	42	143	42.5	45	45	43	145
												13458	34	1	32.7	62.1	70	70	60	159	62.9	70	70	61	161
09 (8.5)	208-3-6	13.5	120	21	13.5	120	21	5.8	13.2	1.1		None	-	-	-	49.4	50	60	53	335	51.6	60	60	55	340
												11725	12	1	33.3	91	100	100	91	369	93.2	100	100	94	374
												12525	18.6	1	51.6	113.9	125	125	112	387	116.1	125	125	115	392
												13225	24	1	66.6	132.7	150	150	129	402	134.9	150	150	132	407
												14225	31.8	2	88.3	126.9	150	150	121	394	129.6	150	150	123	399
	230-3-6	13.5	120	21	13.5	120	21	5.2	13.2	1		None	-	-	-	48.8	50	60	52	340	50.8	60	60	55	345
												11725	16	1	38.5	96.9	100	100	96	379	98.9	100	100	99	384
												12525	24.8	1	59.7	123.4	125	125	121	400	125.4	150	150	123	405
												13225	32	1	77	145.1	150	150	141	417	147.1	150	150	143	422
												14225	42.4	2	102	144	150	150	131	409	146.5	150	150	133	413
	460-3-60	6.4	50	10	6.4	50	10	2.9	6.1	0.5		None	-	-	-	23.4	25	25	25	151	24.4	25	25	26	154
												11746	16.5	1	19.8	48.2	50	50	48	171	49.2	50	50	49	173
												12846	27.8	1	33.4	65.2	70	70	63	185	66.2	70	70	65	187
												13346	33	1	39.7	73	80	80	71	191	74	80	80	72	193
												14246	41.7	2	50.2	70.4	80	80	63	185	71.6	80	80	65	187
	575-3-60	5.1	41	8	5.1	41	8	2.2	7.7	0.4		None	-	-	-	21.4	25	25	23	133	22.2	25	25	24	135
												11758	17	1	16.4	41.9	45	45	42	150	42.7	45	45	43	152
												13458	34	1	32.7	62.3	70	70	61	166	63.1	70	70	62	168

Table 103: WXEA7-12 high indoor blower VFD without powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (A)	Min fuse[2]/ breaker[3]size (A)	Max fuse[2]/ breaker [3]size (A)	Min disconnect[4] rating		MCA[1]w/pwr exh (amps)	Min fuse/[2]/ breaker [3]size w/ pwr exh (A)	Max fuse[2]/ breaker[3]size w/ pwr exh (A)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
With VFD																									
12 (10)	208-3-60	18.6	155	29	16	156	25	5.8	20.4	1.1		None	-	-	-	65.5	70	80	70	436	67.7	70	80	72	441
												11725	12	1	33.3	107.1	110	110	108	470	109.3	110	110	111	475
												12525	19	1	51.6	130	150	150	129	488	132.2	150	150	132	493
												13225	24	1	66.6	148.8	150	150	147	503	151	175	175	149	508
												14225	32	2	88.3	139.4	150	150	138	495	141.6	150	150	140	500
	230-3-60	18.6	155	29	16	156	25	5.2	20.4	1		None	-	-	-	64.9	70	80	69	432	66.9	70	80	72	437
												11725	16	1	38.5	113	125	125	114	471	115	125	125	116	476
												12525	25	1	59.7	139.5	150	150	138	492	141.5	150	150	140	497
												13225	32	1	77	161.2	175	175	158	509	163.2	175	175	160	514
												14225	42	2	102	153	175	175	148	501	155.5	175	175	150	505
	460-3-60	8.3	58.1	13	7.1	69	11	2.9	9.9	0.5		None	-	-	-	30.3	35	35	32	189	31.3	35	35	34	191
												11746	17	1	19.8	55.1	60	60	55	209	56.1	60	60	56	211
												12846	28	1	33.4	72.1	80	80	71	223	73.1	80	80	72	225
												13346	33	1	39.7	79.9	80	80	78	229	80.9	90	90	79	231
												14246	42	2	50.2	75.1	80	80	71	223	76.4	80	80	72	225
	575-3-60	7.7	47.8	12	6.4	47.8	10	2.2	7.7	0.4		None	-	-	-	25.9	30	30	28	147	26.7	30	30	29	149
												11758	17	1	16.4	46.4	50	50	46	163	47.2	50	50	47	165
												13458	34	1	32.7	66.8	70	70	65	180	67.6	70	70	66	181

Table 104: WXEA7-12 high indoor blower VFD with powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (A)	Min fuse[2]/ breaker[3]size (A)	Max fuse[2]/ breaker [3]size (A)	Min disconnect[4] rating		MCA[1]w/pwr exh (amps)	Min fuse/[2]/ breaker [3]size w/ pwr exh (A)	Max fuse[2]/ breaker[3]size w/ pwr exh (A)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
With VFD																									
A7 (6)	208-3-60	19.2	162	30				2	13.2	1.1	8.6	None	-	-	-	43.5	45	60	45	244	44.6	45	60	46	246
												10625	4.9	1	13.6	60.5	70	70	60	257	61.6	70	70	61	260
												11125	7.9	1	21.9	70.9	80	80	70	265	72	80	80	71	268
												11625	12	1	33.3	85.1	90	90	83	277	86.2	90	90	84	279
	230-3-60	19.2	162	30				2.3	13.2	1	8.6	None	-	-	-	43.8	45	60	45	252	44.8	45	60	46	254
												10625	6.5	1	15.6	63.3	70	70	63	268	64.3	70	70	64	270
												11125	11	1	25.3	75.4	80	80	74	277	76.4	80	80	75	280
												11625	16	1	38.5	91.9	100	100	89	291	92.9	100	100	90	293
	460-3-60	9.1	70.8	14				1.3	6.1	0.5	8.6	None	-	-	-	21	25	30	22	116	21.5	25	30	22	117
												10646	6	1	7.2	30	30	35	30	123	30.5	35	35	30	124
												11146	12	1	13.8	38.3	40	40	37	130	38.8	40	40	38	131
												11446	14	1	16.8	42	45	45	41	133	42.5	45	45	41	134
	575-3-60	6.2	58.2	10				1	7.7	0.4	8.6	None	-	-	-	18.2	20	20	19	102	18.6	20	20	20	103
08 (7.5)	208-3-60	12.2	120	19	12.2	120	19	2	13.2	1.1	8.6	None	-	-	-	49	50	60	53	326	51.2	60	60	55	331
												11725	12	1	33.3	90.6	100	100	91	360	92.8	100	100	94	365
												12525	19	1	51.6	113.5	125	125	112	378	115.7	125	125	115	383
												13225	24	1	66.6	132.3	150	150	129	393	134.5	150	150	132	398
												14225	32	2	88.3	132.3	150	150	121	386	135	150	150	123	391
	230-3-60	12.2	120	19	12.2	120	19	2.3	13.2	1	8.6	None	-	-	-	49.6	50	60	53	336	51.6	60	60	56	340
												11725	16	1	38.5	97.7	100	100	98	374	99.7	100	100	100	379
												12525	25	1	59.7	124.2	125	125	122	395	126.2	150	150	124	400
												13225	32	1	77	145.9	150	150	142	413	147.9	150	150	144	417
												14225	42	2	102	149.4	150	150	132	404	151.9	175	175	134	408
	460-3-60	6.4	50	10	6.4	50	10	1.3	6.1	0.5	8.6	None	-	-	-	25.3	30	30	27	148	26.3	30	30	28	150
												11746	17	1	19.8	50.1	60	60	50	168	51.1	60	60	51	170
												12846	28	1	33.4	67.1	70	70	66	182	68.1	70	70	67	184
												13346	33	1	39.7	74.9	80	80	73	188	75.9	80	80	74	190
												14246	42	2	50.2	73.1	80	80	66	182	74.3	80	80	67	184
	575-3-60	5.1	41	8	5.1	41	8	1	7.7	0.4	8.6	None	-	-	-	22.9	25	25	25	128	23.7	25	25	26	130
												11758	17	1	16.4	43.4	45	45	44	145	44.2	45	45	45	147
												13458	34	1	32.7	63.8	70	70	62	161	64.6	70	70	63	163
09 (8.5)	208-3-6	13.5	120	21	13.5	120	21	5.8	13.2	1.1	8.6	None	-	-	-	53.7	60	60	58	340	55.9	60	60	60	345
												11725	12	1	33.3	95.3	100	100	96	373	97.5	100	100	99	378
												12525	18.6	1	51.6	118.2	125	125	117	391	120.4	125	125	120	396
												13225	24	1	66.6	137	150	150	134	406	139.2	150	150	137	411
												14225	31.8	2	88.3	132.3	150	150	126	399	135	150	150	128	404
	230-3-6	13.5	120	21	13.5	120	21	5.2	13.2	1	8.6	None	-	-	-	53.1	60	60	57	345	55.1	60	60	59	349
												11725	16	1	38.5	101.2	110	110	101	383	103.2	110	110	104	388
												12525	24.8	1	59.7	127.7	150	150	126	404	129.7	150	150	128	409
												13225	32	1	77	149.4	150	150	146	422	151.4	175	175	148	426
												14225	42.4	2	102	149.4	150	150	135	413	151.9	175	175	138	417
	460-3-60	6.4	50	10	6.4	50	10	2.9	6.1	0.5	8.6	None	-	-	-	25.6	30	30	28	153	26.6	30	30	29	156
												11746	16.5	1	19.8	50.4	60	60	50	173	51.4	60	60	52	175
												12846	27.8	1	33.4	67.4	70	70	66	187	68.4	70	70	67	189
												13346	33	1	39.7	75.2	80	80	73	193	76.2	80	80	74	195
												14246	41.7	2	50.2	73.1	80	80	66	187	74.3	80	80	67	189
	575-3-60	5.1	41	8	5.1	41	8	2.2	7.7	0.4	8.6	None	-	-	-	23.1	25	25	25	135	23.9	25	25	26	137
												11758	17	1	16.4	43.6	45	45	44	151	44.4	45	45	45	153
												13458	34	1	32.7	64	70	70	63	168	64.8	70	70	64	170

Table 104: WXEA7-12 high indoor blower VFD with powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (A)	Min fuse[2]/ breaker[3]size (A)	Max fuse[2]/ breaker [3]size (A)	Min disconnect[4] rating		MCA[1]w/pwr exh (amps)	Min fuse/[2]/ breaker [3]size w/ pwr exh (A)	Max fuse[2]/ breaker[3]size w/ pwr exh (A)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
With VFD																									
12 (10)	208-3-60	18.6	155	29	16	156	25	5.8	20.4	1.1	8.6	None	-	-	-	69.8	70	80	75	441	72	80	80	77	446
												11725	12	1	33.3	111.4	125	125	113	474	113.6	125	125	116	479
												12525	19	1	51.6	134.3	150	150	134	492	136.5	150	150	137	497
												13225	24	1	66.6	153.1	175	175	151	507	155.3	175	175	154	512
												14225	32	2	88.3	143.7	150	150	143	500	145.9	150	150	145	505
	230-3-60	18.6	155	29	16	156	25	5.2	20.4	1	8.6	None	-	-	-	69.2	70	80	74	437	71.2	80	80	76	441
												11725	16	1	38.5	117.3	125	125	118	475	119.3	125	125	121	480
												12525	25	1	59.7	143.8	150	150	143	496	145.8	150	150	145	501
												13225	32	1	77	165.5	175	175	163	514	167.5	175	175	165	518
												14225	42	2	102	158.4	175	175	152	505	160.9	175	175	155	509
	460-3-60	8.3	58.1	13	7.1	69	11	2.9	9.9	0.5	8.6	None	-	-	-	32.5	35	40	35	191	33.5	35	40	36	193
												11746	17	1	19.8	57.3	60	60	58	211	58.3	60	60	59	213
												12846	28	1	33.4	74.3	80	80	73	225	75.3	80	80	75	227
												13346	33	1	39.7	82.1	90	90	81	231	83.1	90	90	82	233
												14246	42	2	50.2	77.8	80	80	73	225	79.1	80	80	75	227
	575-3-60	7.7	47.8	12	6.4	47.8	10	2.2	7.7	0.4	8.6	None	-	-	-	27.6	30	35	30	149	28.4	30	35	30	150
												11758	17	1	16.4	48.1	50	50	48	165	48.9	50	50	49	167
												13458	34	1	32.7	68.5	70	70	67	181	69.3	70	70	68	183

Typical wiring diagrams

Figure 6: Typical WYE04-06, WQE04-06 heap pump w/o heat 208/230-1-60 direct drive diagram

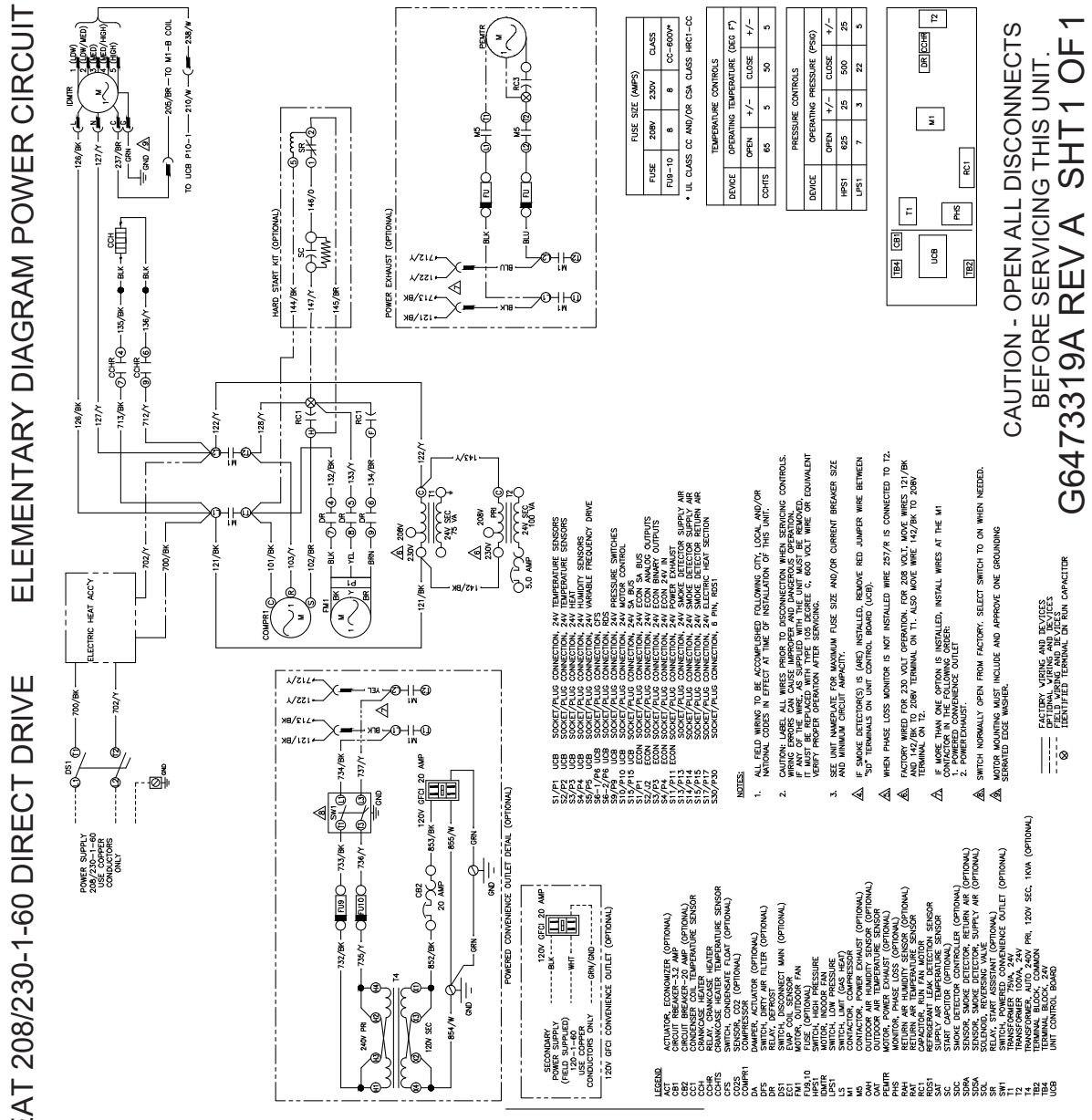


Figure 7: Typical WYE04-06, WQE04-06 heat pump w/o heat 208/230, 460-3-60 direct drive elementary diagram power circuit

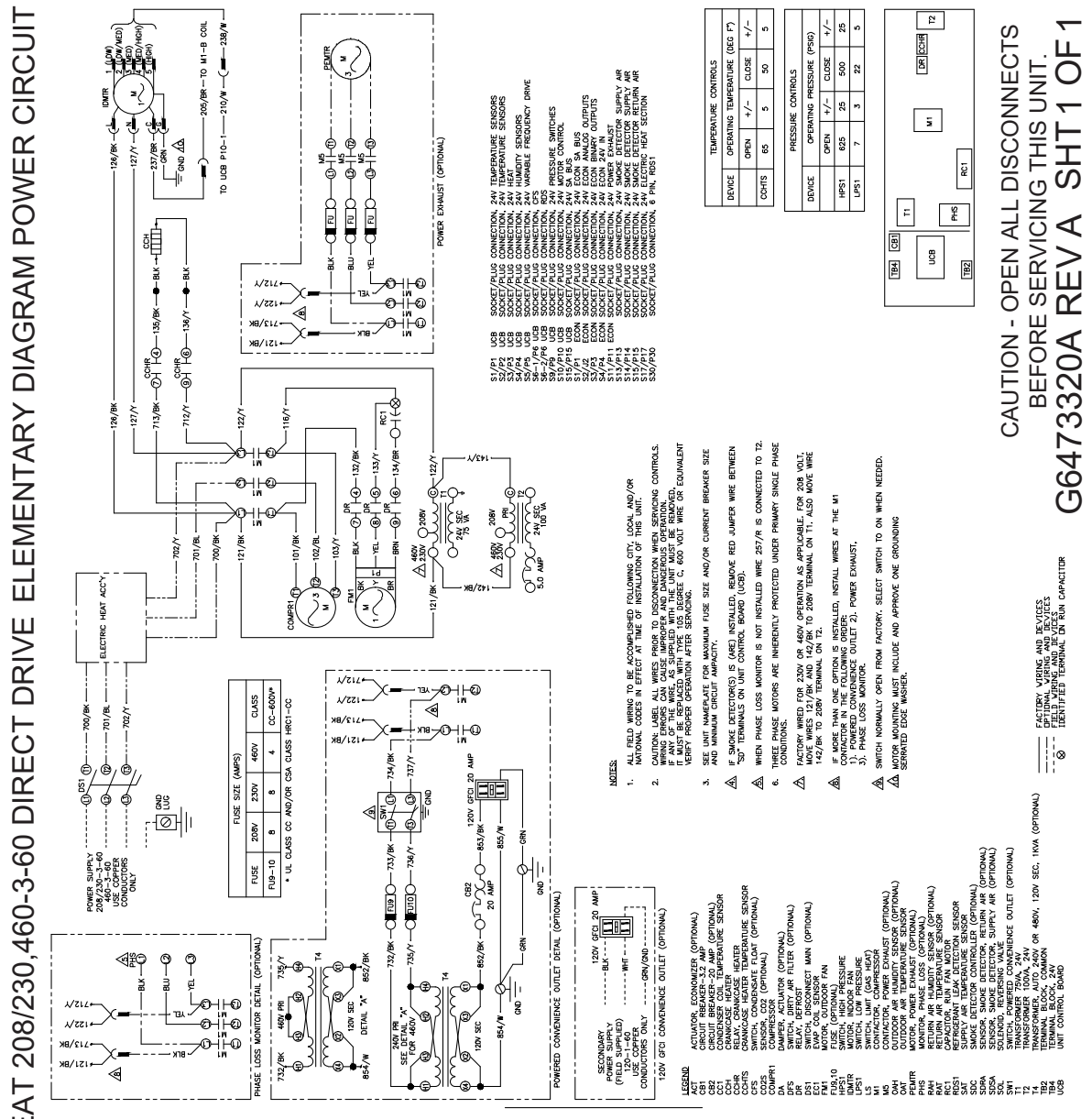


Figure 8: Typical WYE04-06, WQE04-06 cooling unit w/o heat 575-3-60 direct drive elementary diagram power circuit

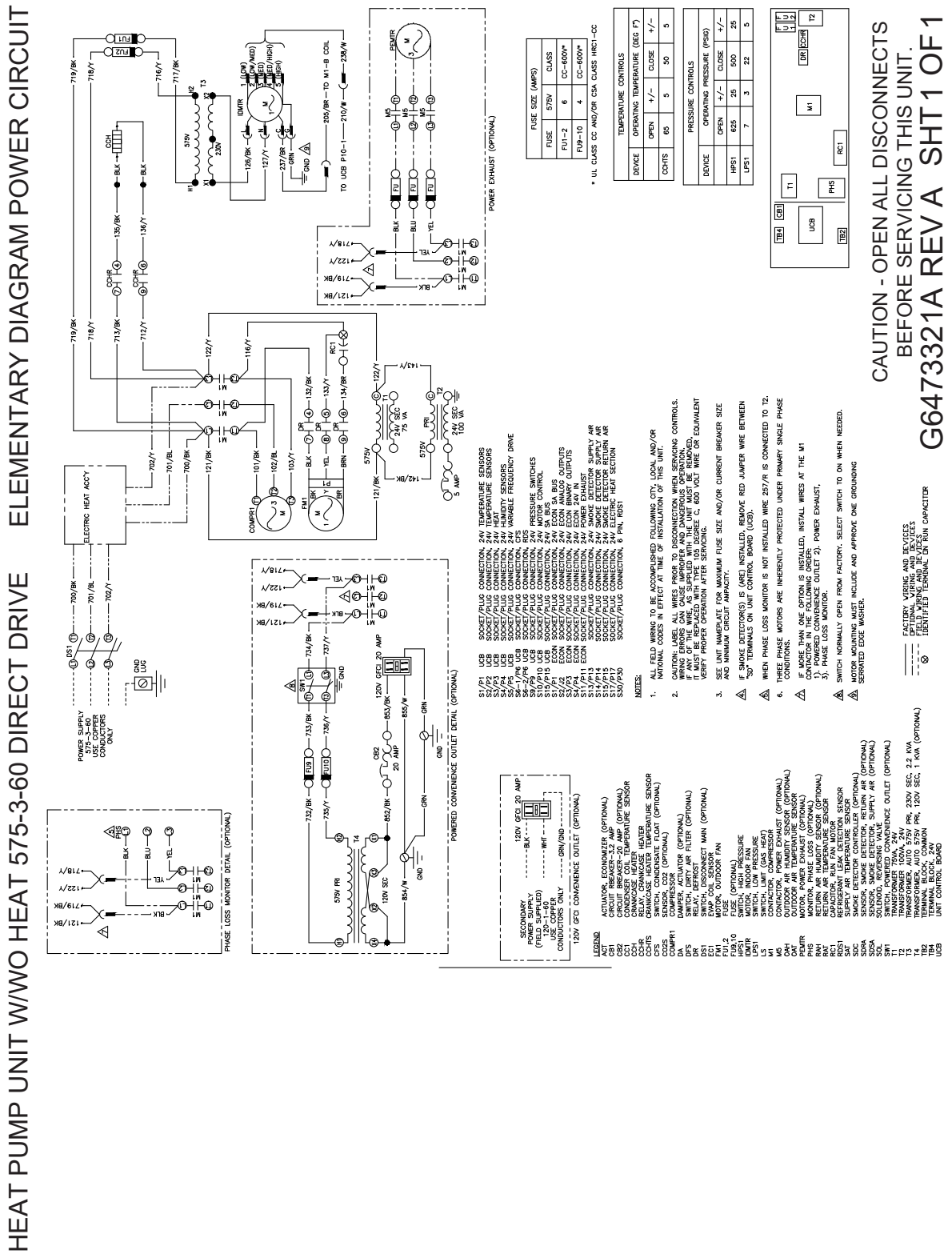


Figure 9: Typical WYE04-06, WQE04-06 heat pump unit w/o heat 208/230-1-60 belt drive elementary diagram power circuit

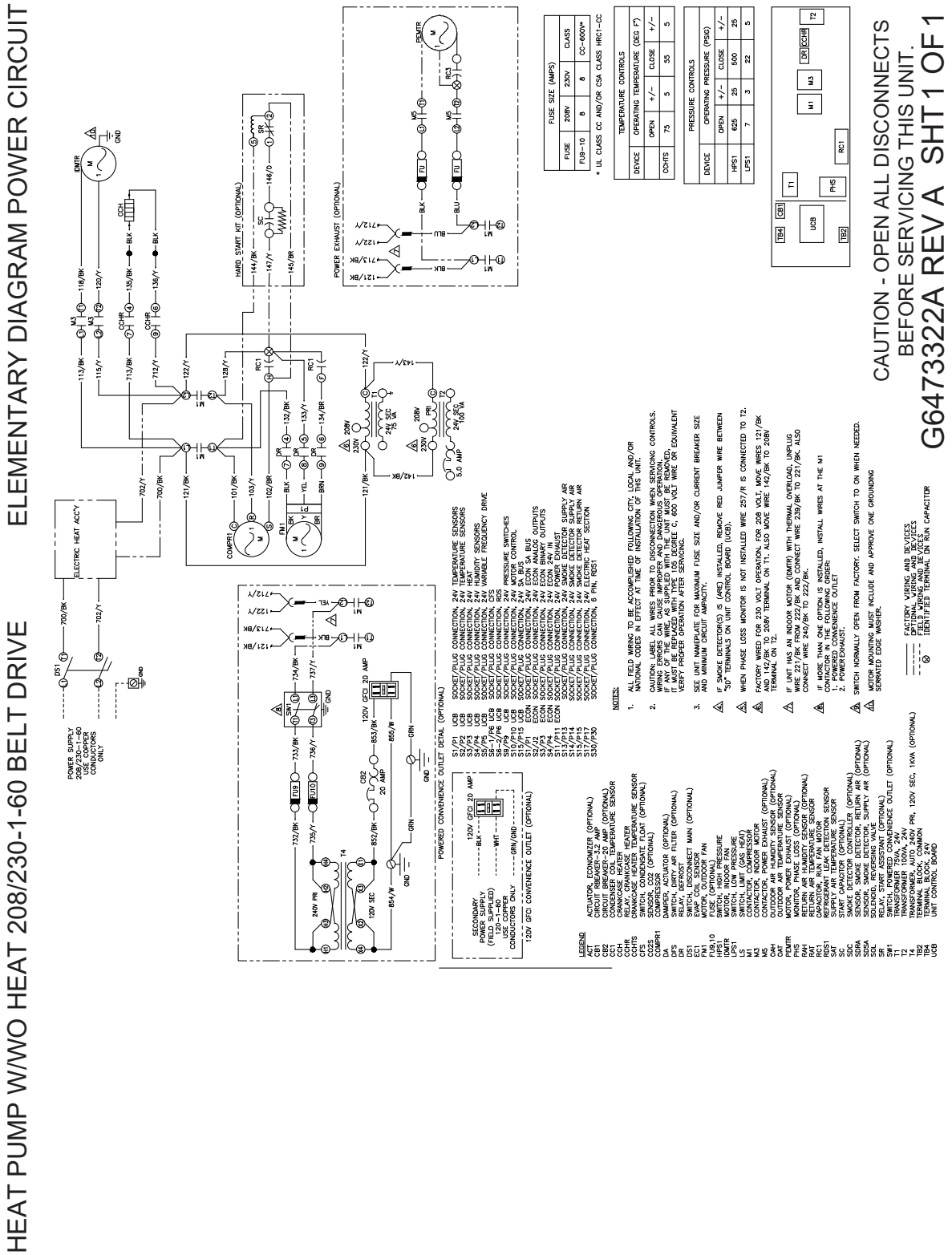


Figure 10: Typical WYE04-06, WQE04-06 unit w/o heat 208/230, 460, 575-3-60 belt drive elementary diagram power circuit

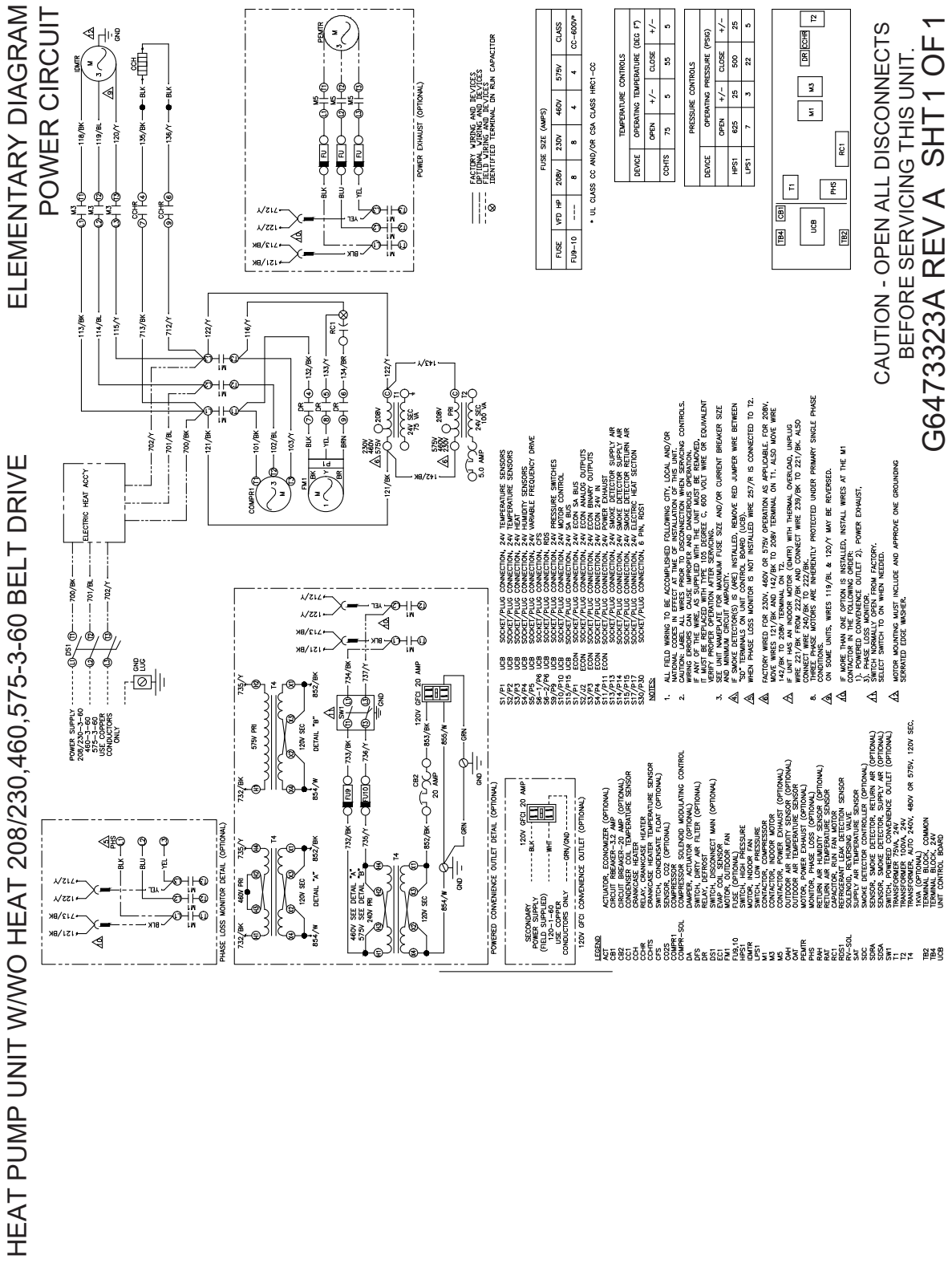


Figure 11: Typical WYE04-06, WQE04-06 heat pump unit direct drive elementary diagram control circuit

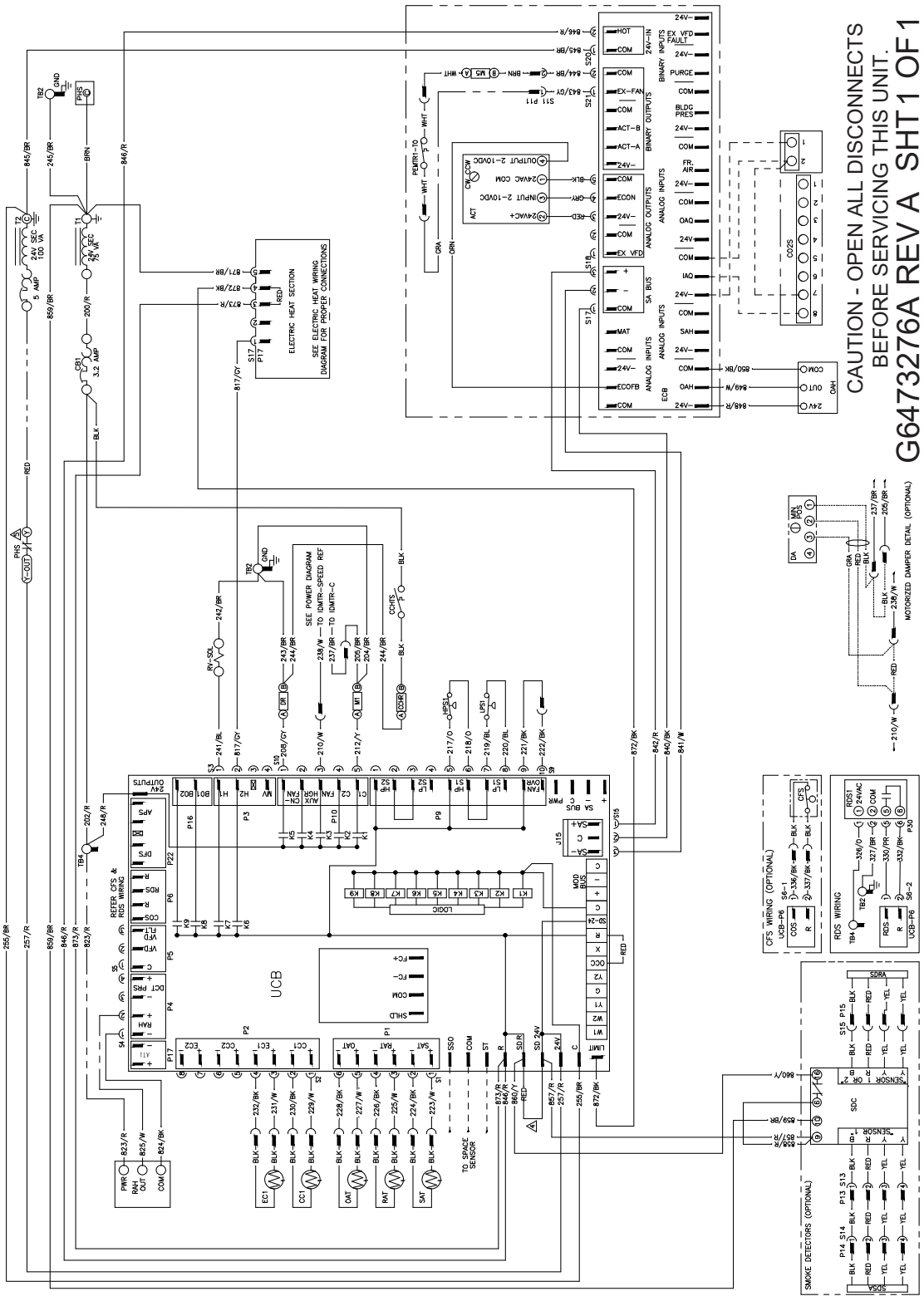


Figure 12: Typical WYE04-06, WQE04-06 heat pump unit belt drive elementary diagram control circuit

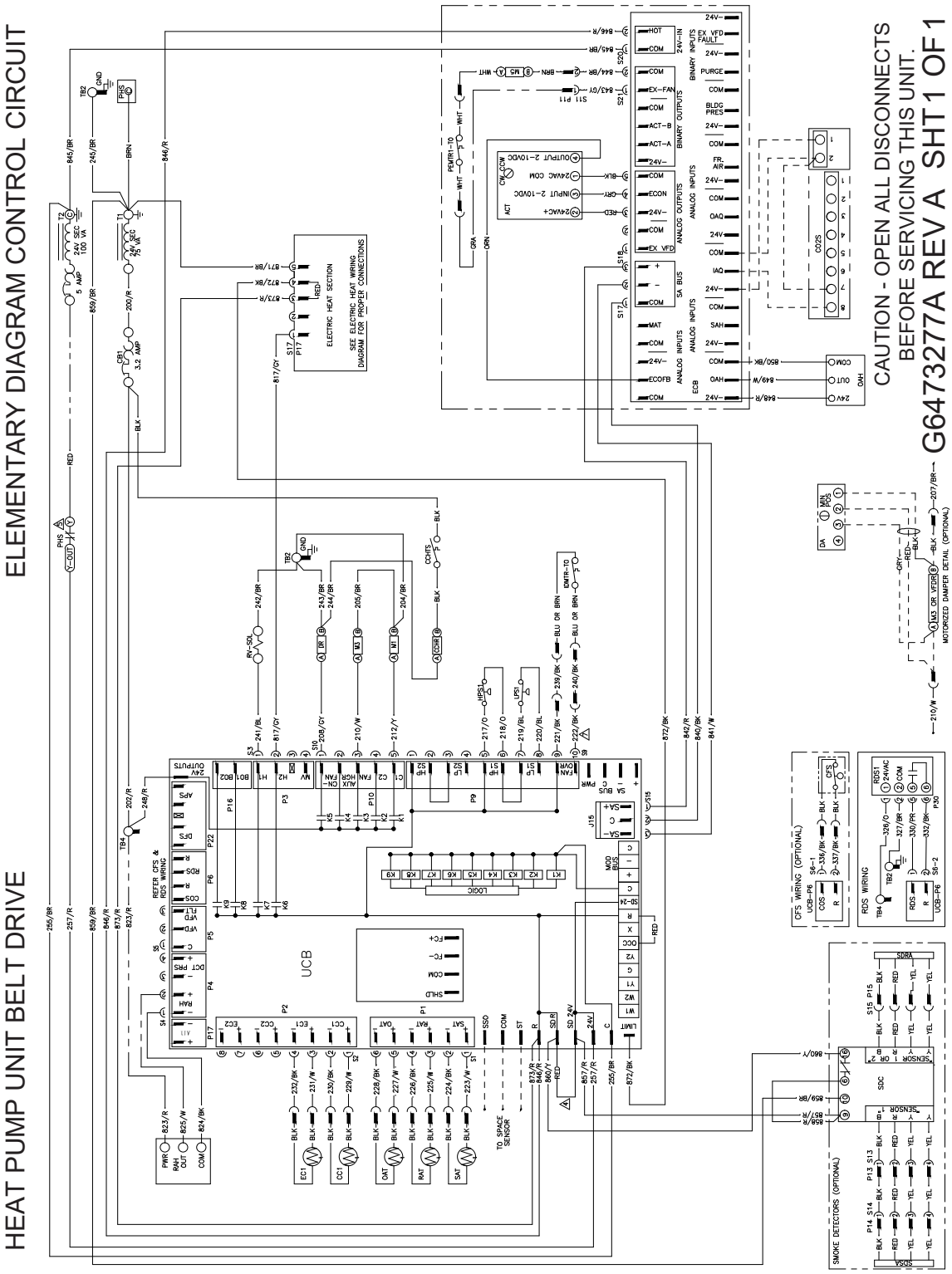


Figure 13: Typical WXEA7 heat pump unit w/o heat 208/230, 460, 575-3-60 with VFD elementary diagram power circuit

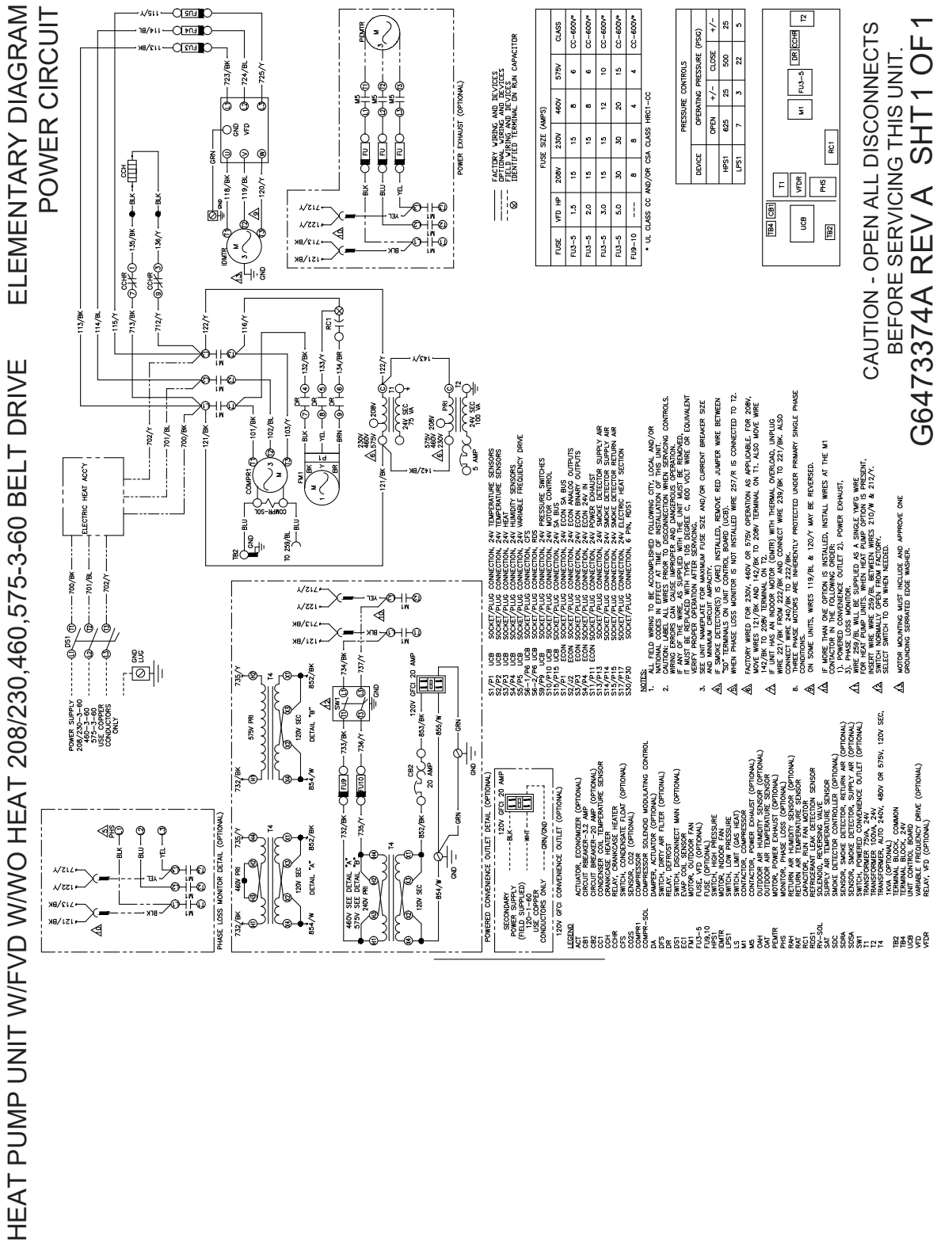


Figure 14: Typical WXE08-09 heat pump unit elementary diagram control circuit

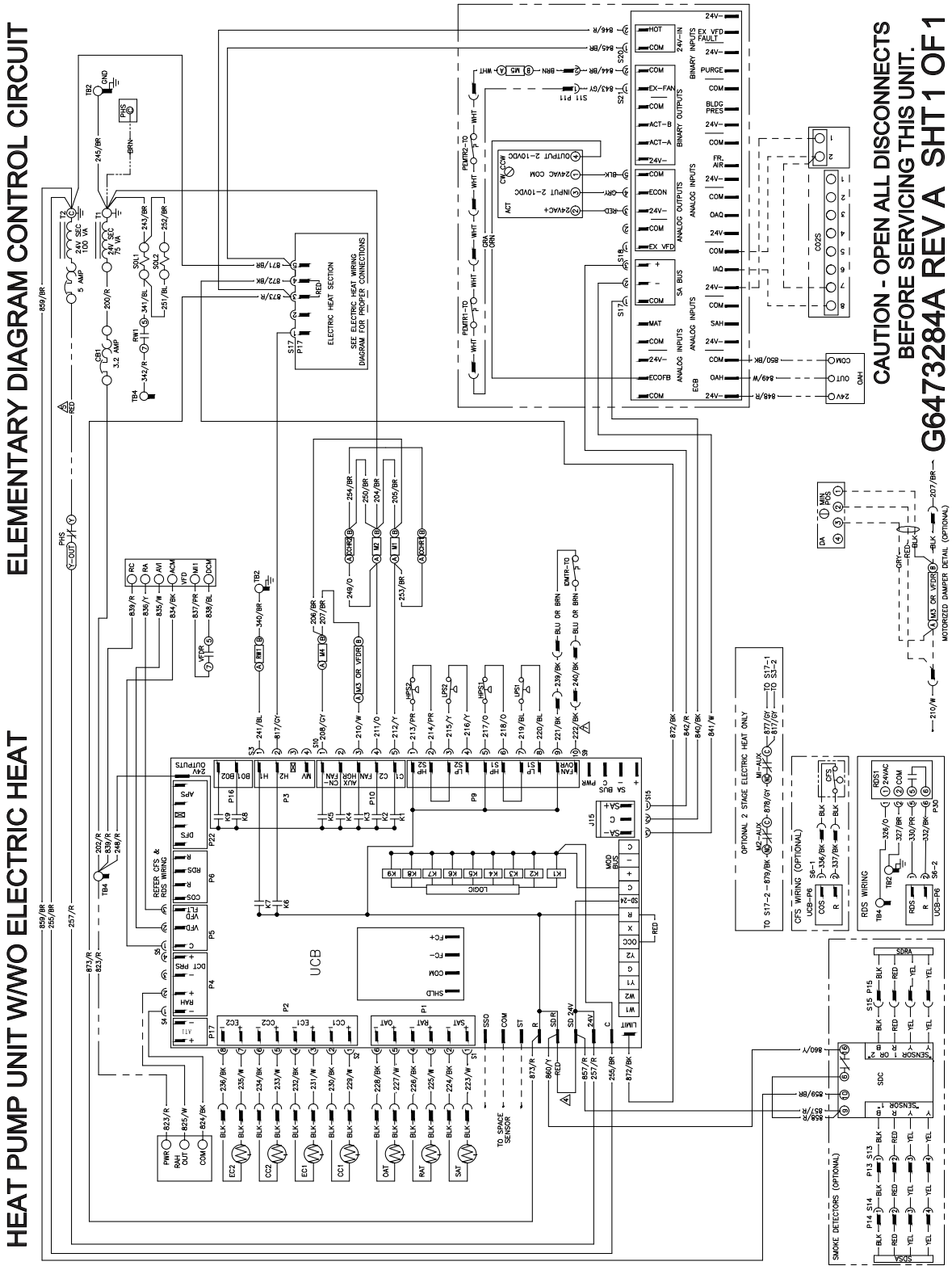


Figure 15: Typical WXEA7 heat pump unit elementary diagram control circuit

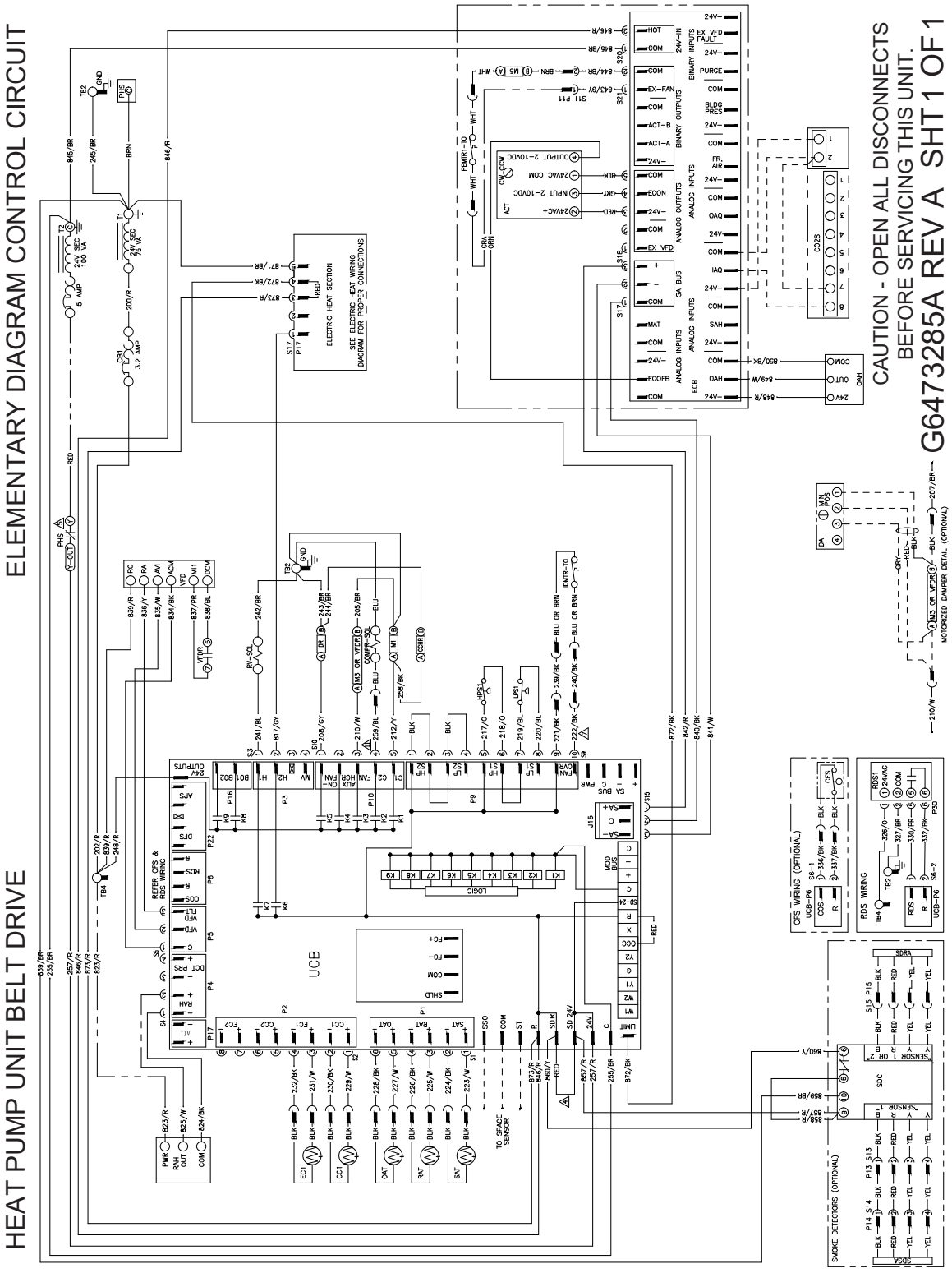


Figure 16: Typical WYEA7 heat pump unit elementary diagram control circuit

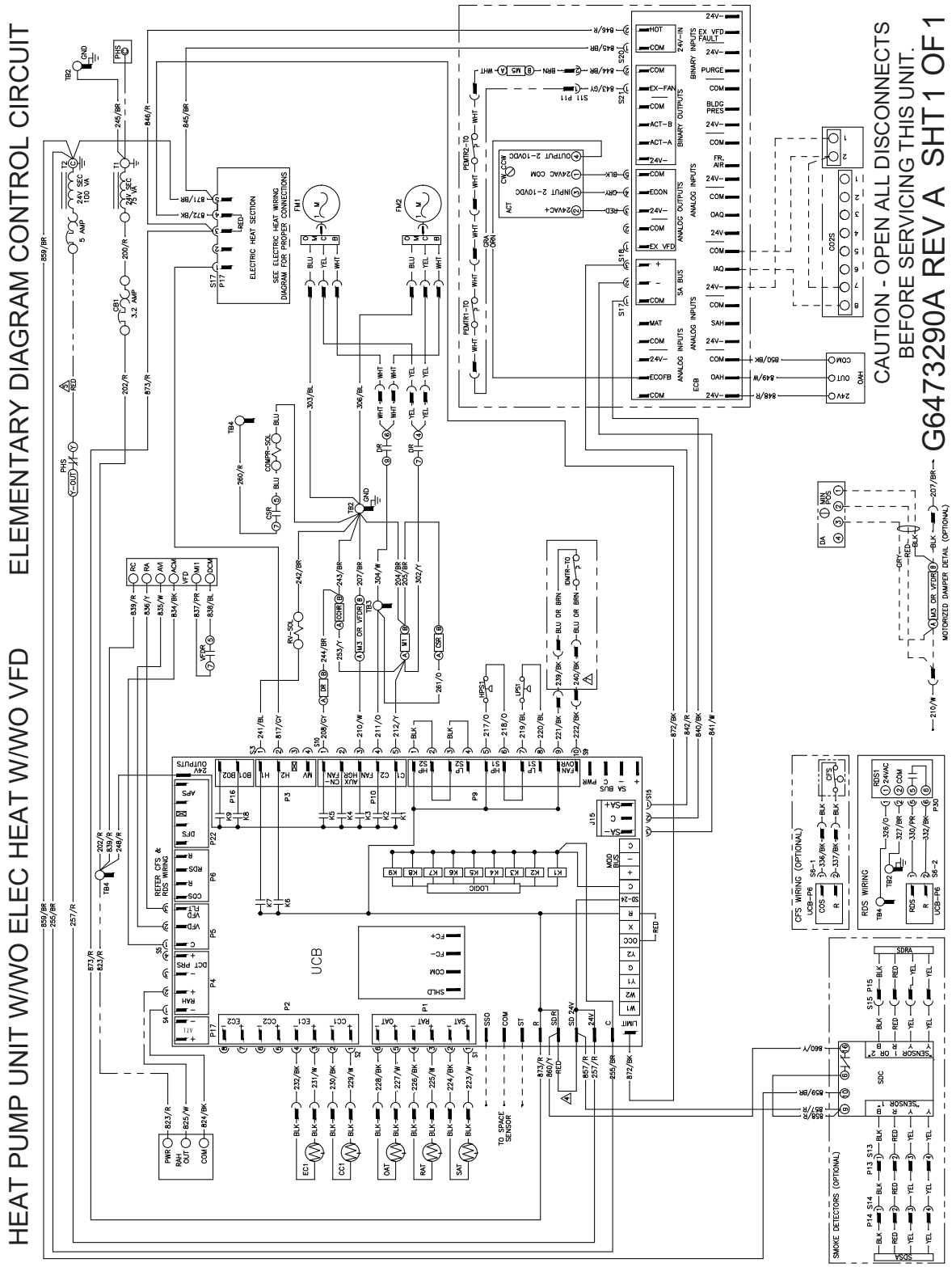


Figure 17: Typical WYEA7 heat pump unit w/o heat 208/230, 460-3-60 with VFD elementary diagram power circuit

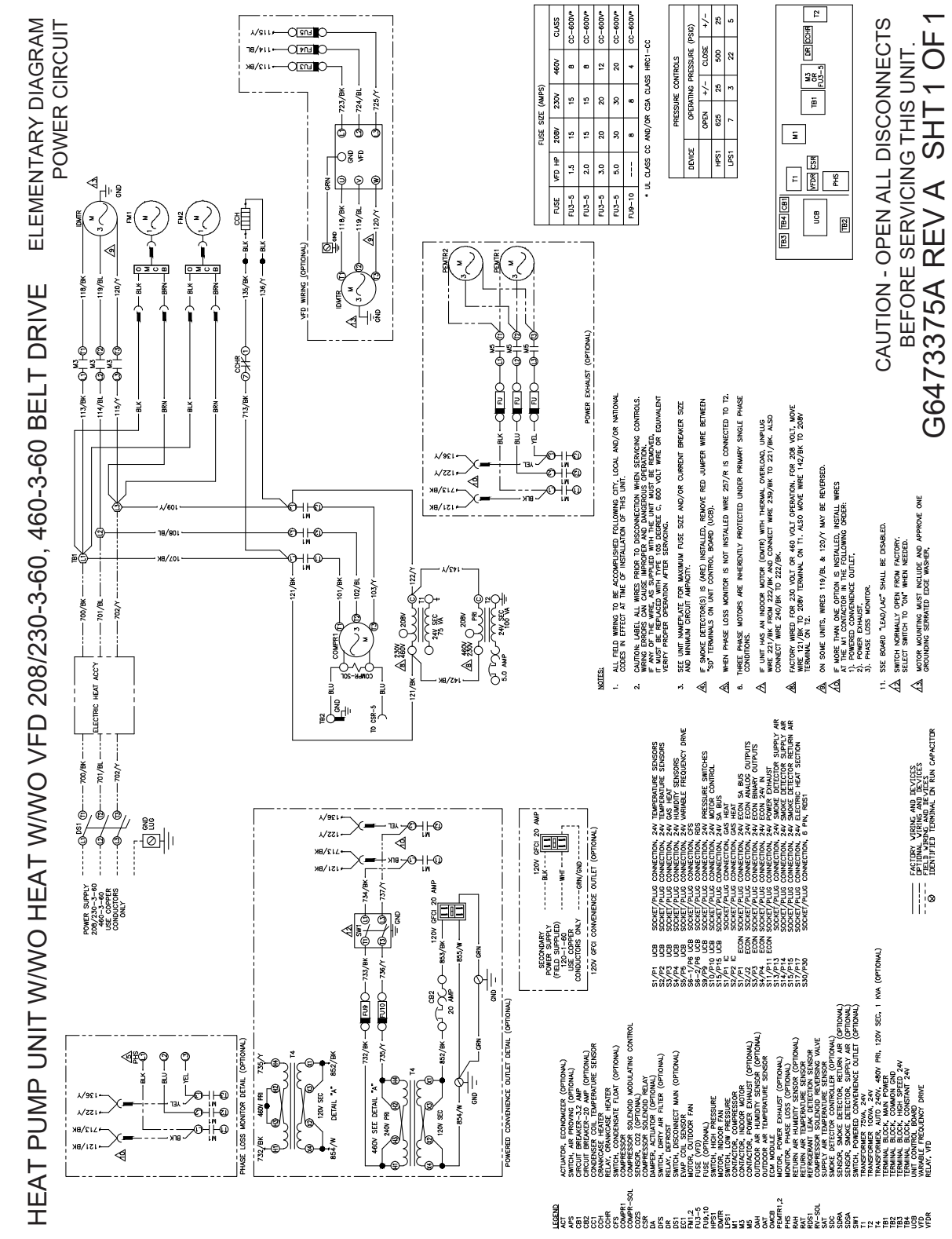


Figure 18: Typical WYEA7 heat pump unit w/o heat, 575-3-60 with VFD elementary diagram power circuit

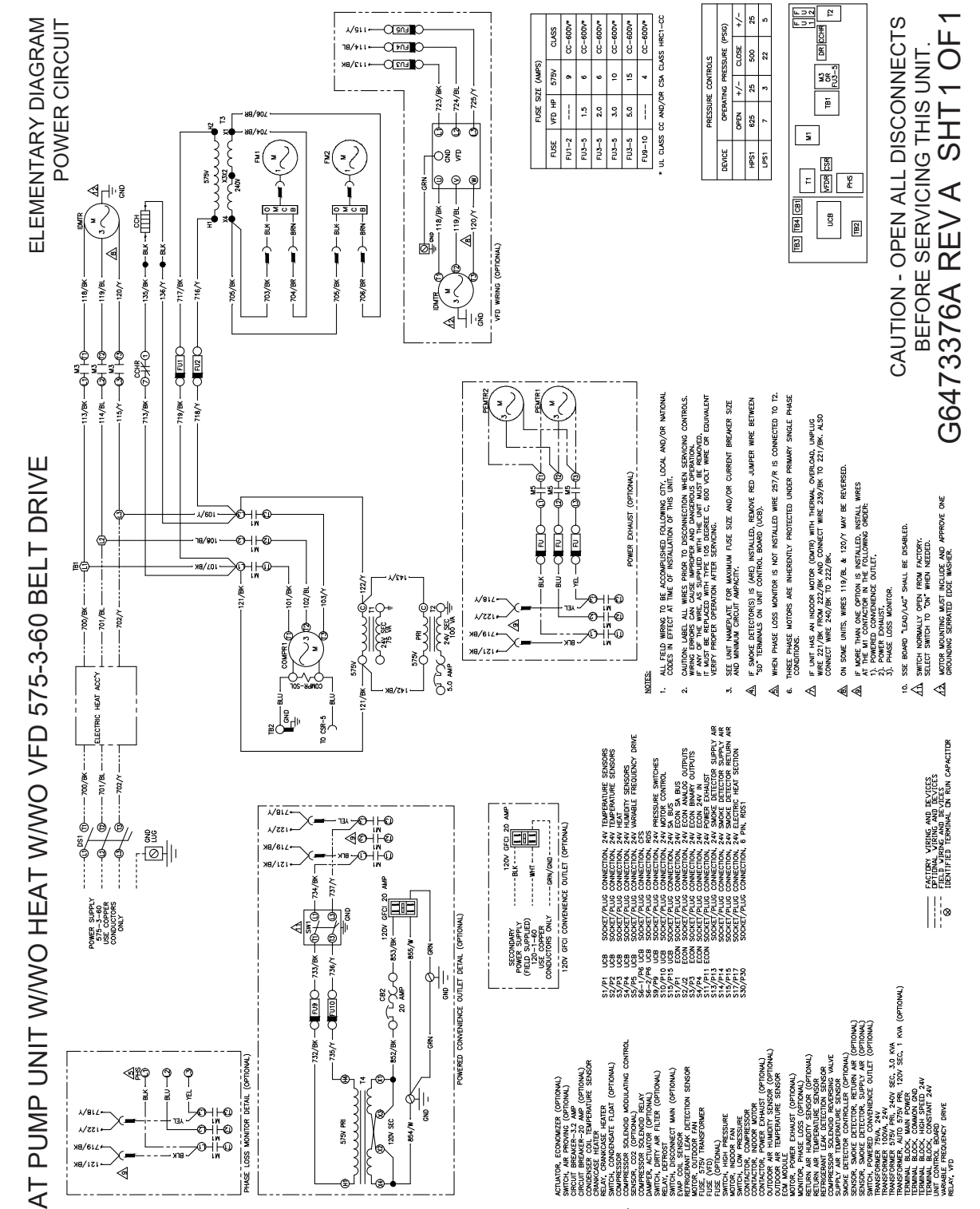


Figure 19: Typical WXE08-09 heat pump unit w/o heat 208/230, 460, 575-3-60 with VFD elementary diagram power circuit

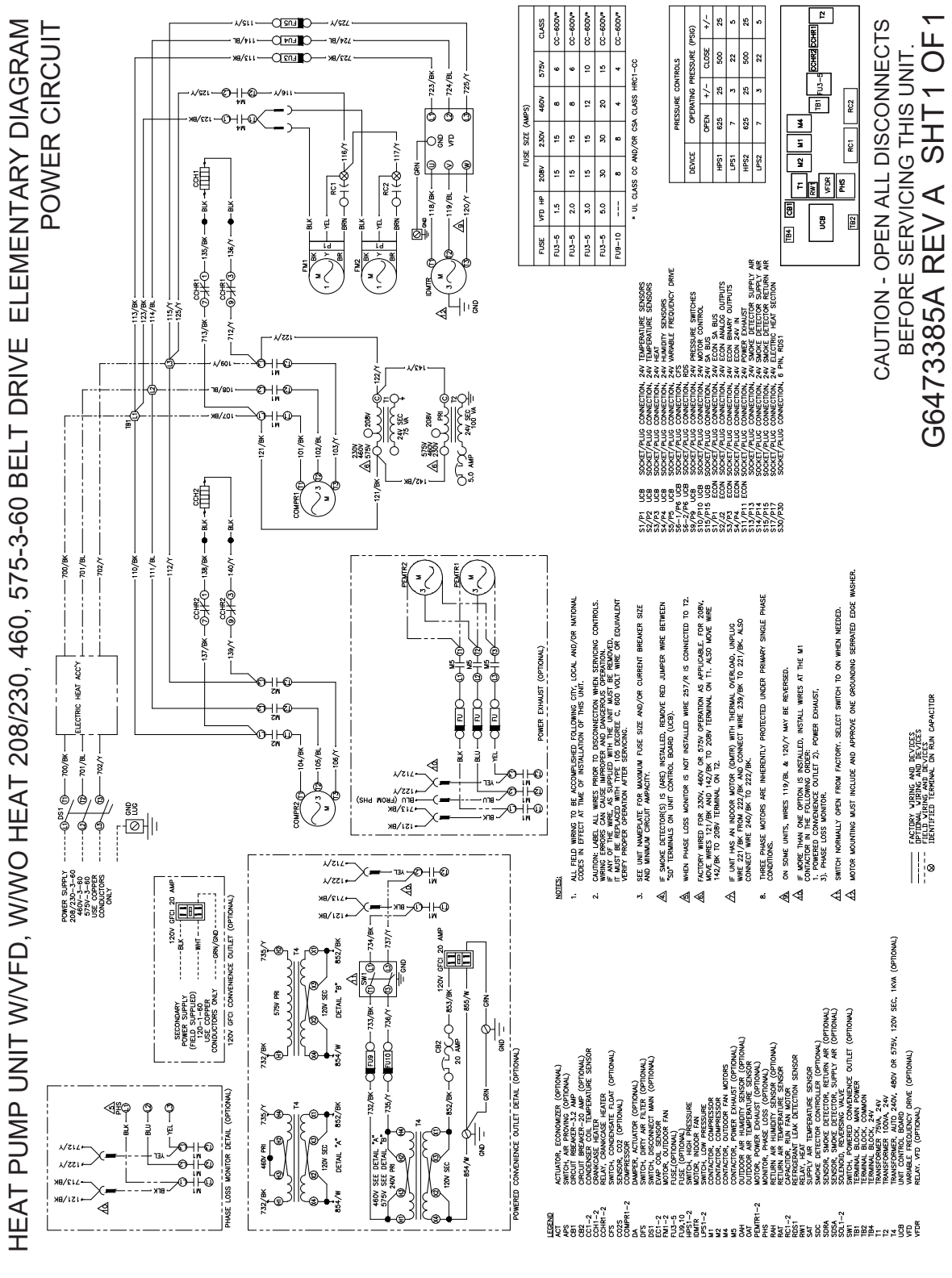
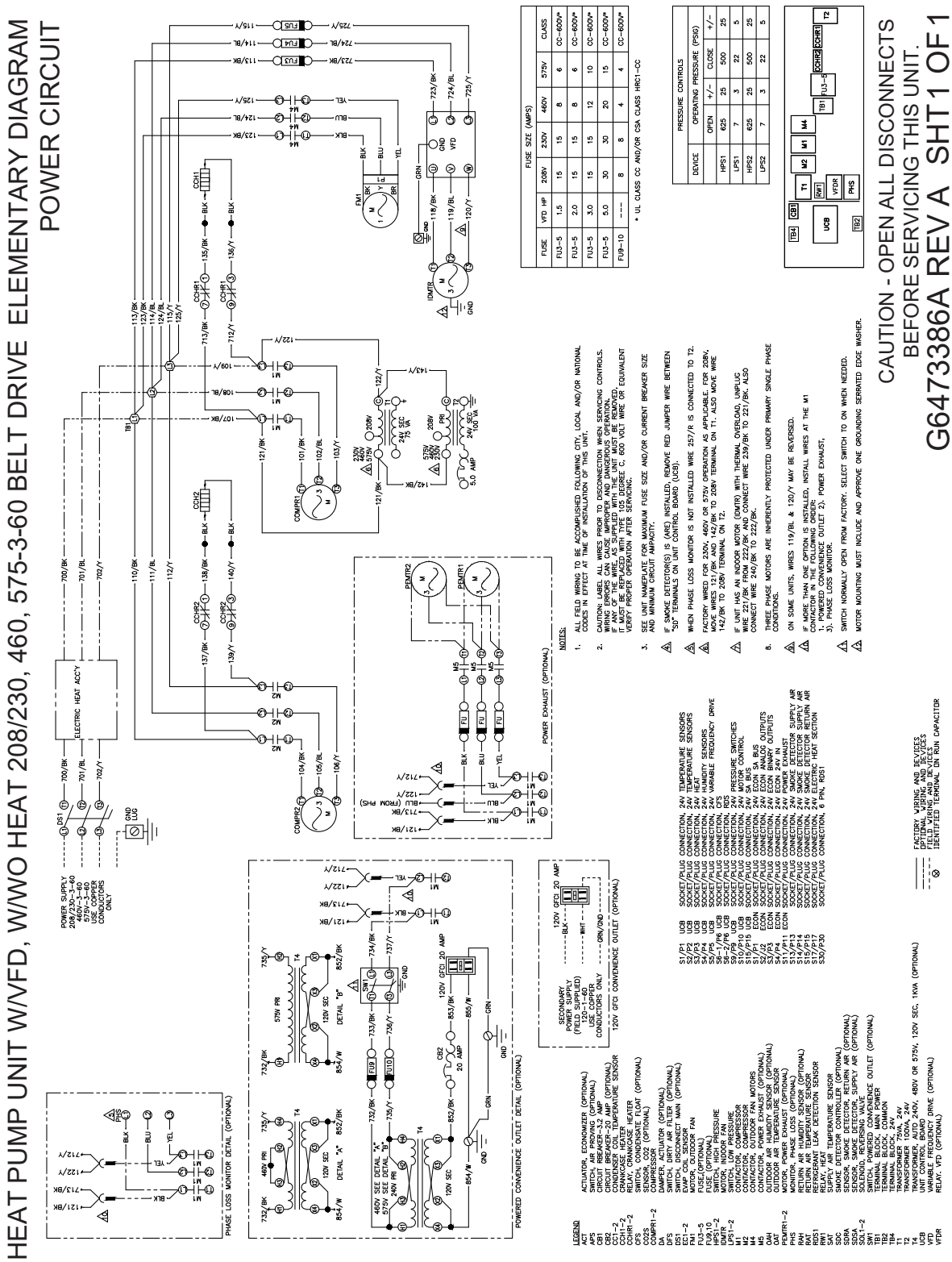


Figure 20: Typical WYE08, WXE12 heat pump unit w/o heat 208/230, 460-3-60 with VFD elementary diagram power circuit



Weights and dimensions

WYE04-08, WQE04-06, and WXEA7-12 unit weights

Figure 21: Unit 4 point load weight

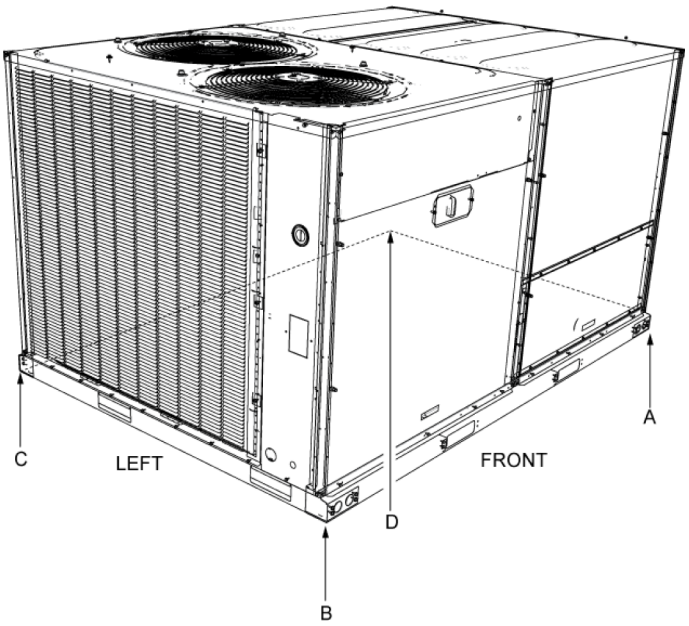


Figure 22: Unit 6 point load weight

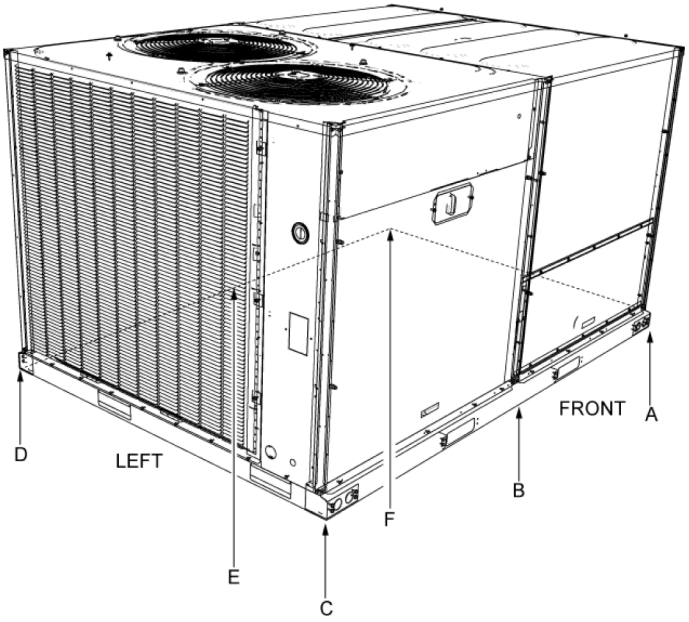


Figure 23: Unit center of gravity

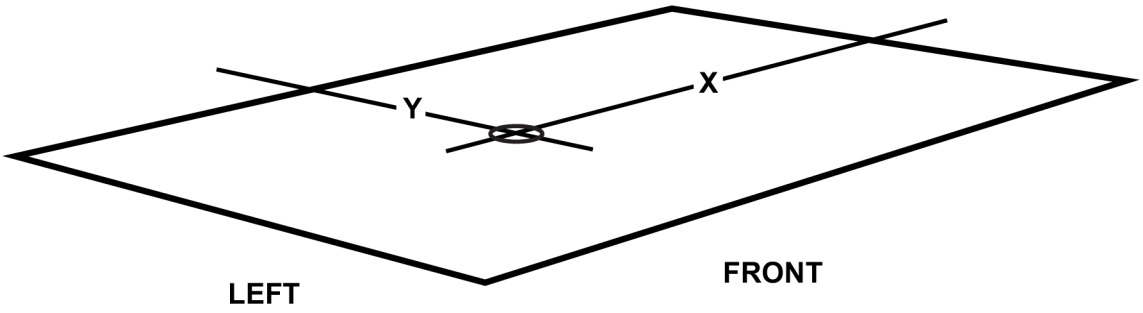


Table 105: WYE04 to 08 corner weights

Model	Size (ton)	Weight (lb)		Center of gravity		4 point load location (lb)				6 point load location (lb)					
		Shipping	Operating	X	Y	A	B	C	D	A	B	C	D	E	F
WYE	04 (3)	563	535	37.4	24.2	130	133	138	135	86	88	89	92	91	89
WYE	05 (4)	643	614	38.1	25.1	151	161	155	146	100	104	109	105	100	96
WYE	06 (5)	682	653	37.4	23.1	151	155	176	171	100	102	104	118	116	114
WYE	A7 (6)	915	898	44.3	34.9	249	257	197	191	165	169	172	132	130	127
WYE	08 (7.5)	1090	1060	48.5	34.1	260	326	264	210	167	193	226	183	156	135

Table 106: WQE04-06 corner weights

Size (ton)	Model	Weight (lb)		Center of gravity		4 point load location (lb)				6 point load location (lb)					
		Shipping	Operating	X	Y	A	B	C	D	A	B	C	D	E	F
04 (3)	WQE	542	529	38.0	24.4	127	135	137	130	84	87	91	92	89	86
05 (4)	WQE	641	628	35.0	24.5	164	148	150	166	111	104	97	98	105	113
06 (5)	WQE	640	627	34.7	24.4	165	146	149	168	112	103	95	97	105	114

Table 107: WXEA7-12 corner weights

Size (ton)	Model	Weight (lb)		Center of Gravity		4 Point Load Location (lb)				6 Point Load Location (lb)					
		Shipping	Operating	X	Y	A	B	C	D	A	B	C	D	E	F
A7 (6)	WXE	665	652	35.8	23.9	163	153	163	173	110	105	101	107	112	117
08 (7.5)	WXE	1006	976	46.9	35.7	261	304	221	190	170	187	208	151	136	124
09 (8.5)	WXE	1070	1040	48.0	35.7	263	324	250	203	170	194	224	173	150	131
12 (10)	WXE	1090	1060	49.5	33.3	247	325	277	211	158	188	227	193	160	135

Table 108: WYE04-08, WQE04-06, and WXEA7-12 unit accessory weights

Unit accessory	Weights (lb)
Vertical flow dry bulb economizer small footprint	63
Horizontal flow dry bulb economizer small footprint short	96
Horizontal flow dry bulb economizer small footprint short	75
Horizontal flow dry bulb economizer small footprint tall	81
Horizontal flow dry bulb economizer large footprint short	105
Horizontal flow dry bulb economizer large footprint tall	102
Power exhaust vert flow small footprint	38
Power exhaust vert flow large footprint	38
Power exhaust horiz flow small footprint	38
Power exhaust horiz flow large footprint	38
Hail guard kit small short factory-installed	19
Hail guard kit small tall factory-installed	24
Hail guard kit large short factory-installed	50
Hail guard kit large tall factory-installed	50
Curb rigid 14 in. small footprint	145
Curb rigid 24 in. small footprint	135
Curb rigid 14 in. large footprint	135
Curb rigid 24 in. large footprint	135

WYE04-08, WQE04-06, and WXEA7-12 unit dimensions

Figure 24: WYE/WQE04

TONNAGE	UNIT	OPERATING WEIGHT (LBS) (BASE UNIT)	CENTER OF GRAVITY LOCATION (BASE UNIT)		4 POINT CORNER LOADS (LBS) (BASE UNIT)			
			X	Y	A	B	C	D
3	WYE	535 (242.7)	37.4 (950)	24.2 (615)	129.7 (58.8)	132.9 (60.3)	137.8 (62.5)	134.5 (61)
3	WQE	529 (240.0)	38.0 (950)	24.4 (619.8)	127.0 (57.6)	135.0 (61.2)	137.0 (62.1)	130.0 (59.0)

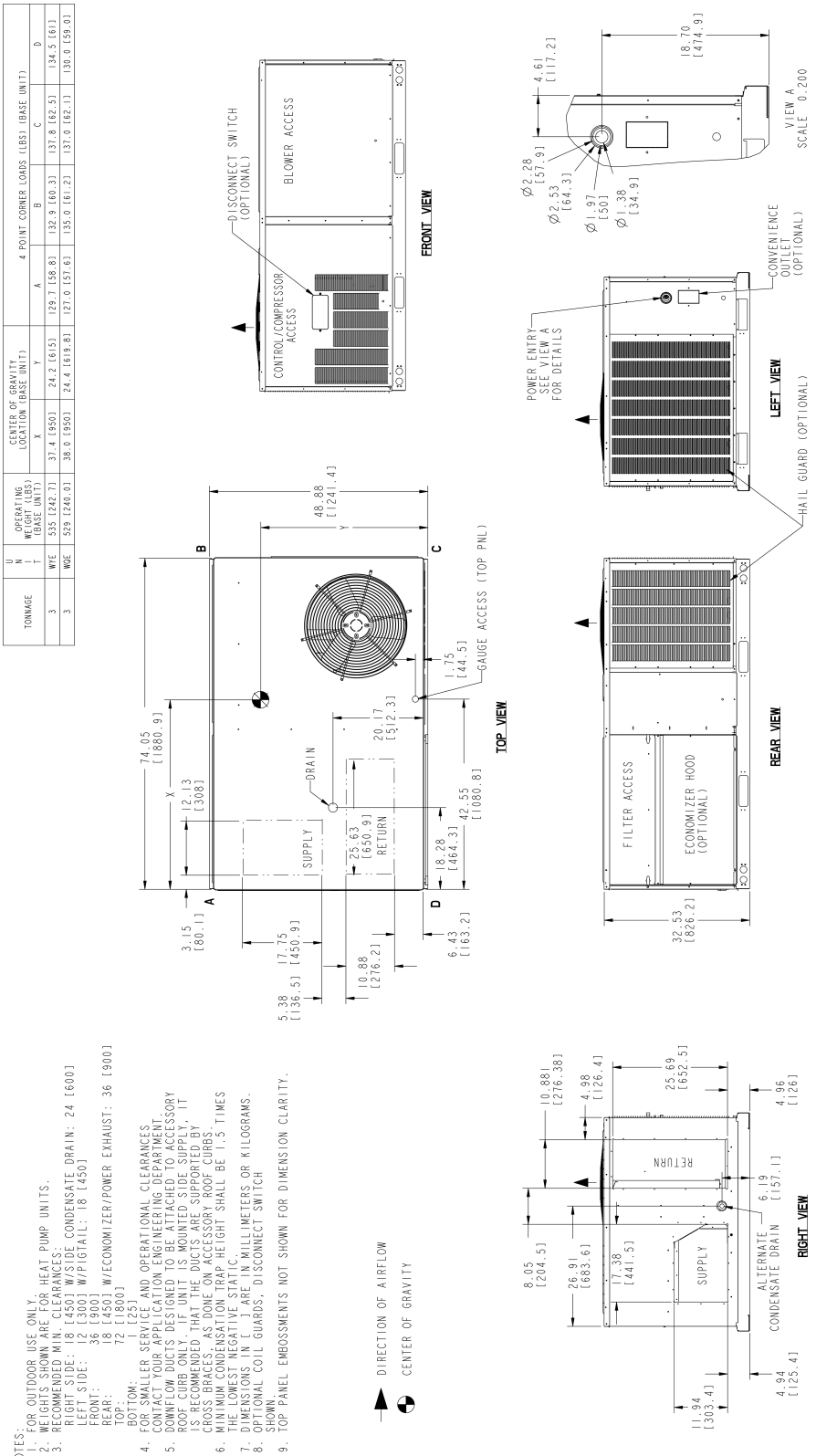


Figure 25: WYE/WQE05 - 06 and WXEA7

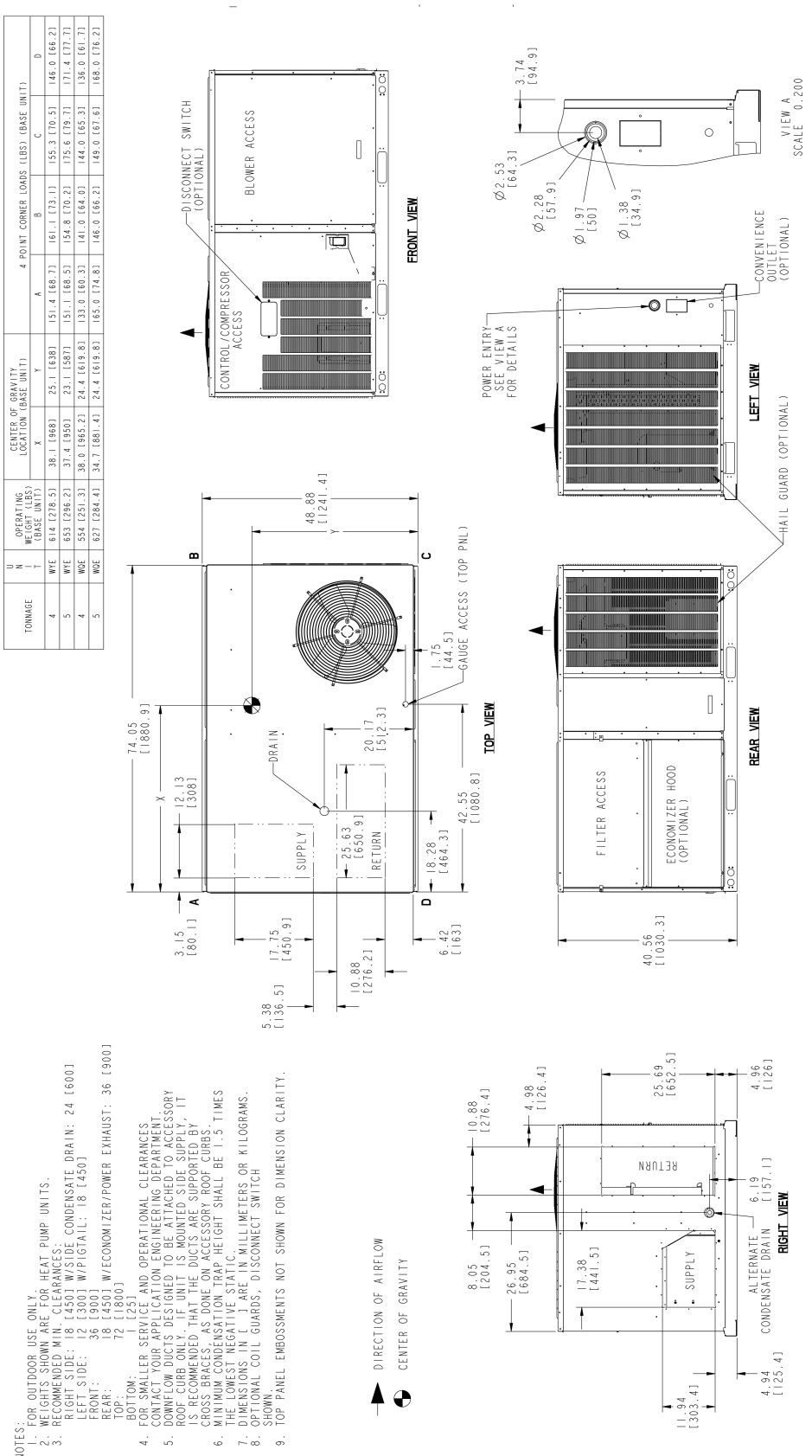


Figure 26: WXE08 and WXE09

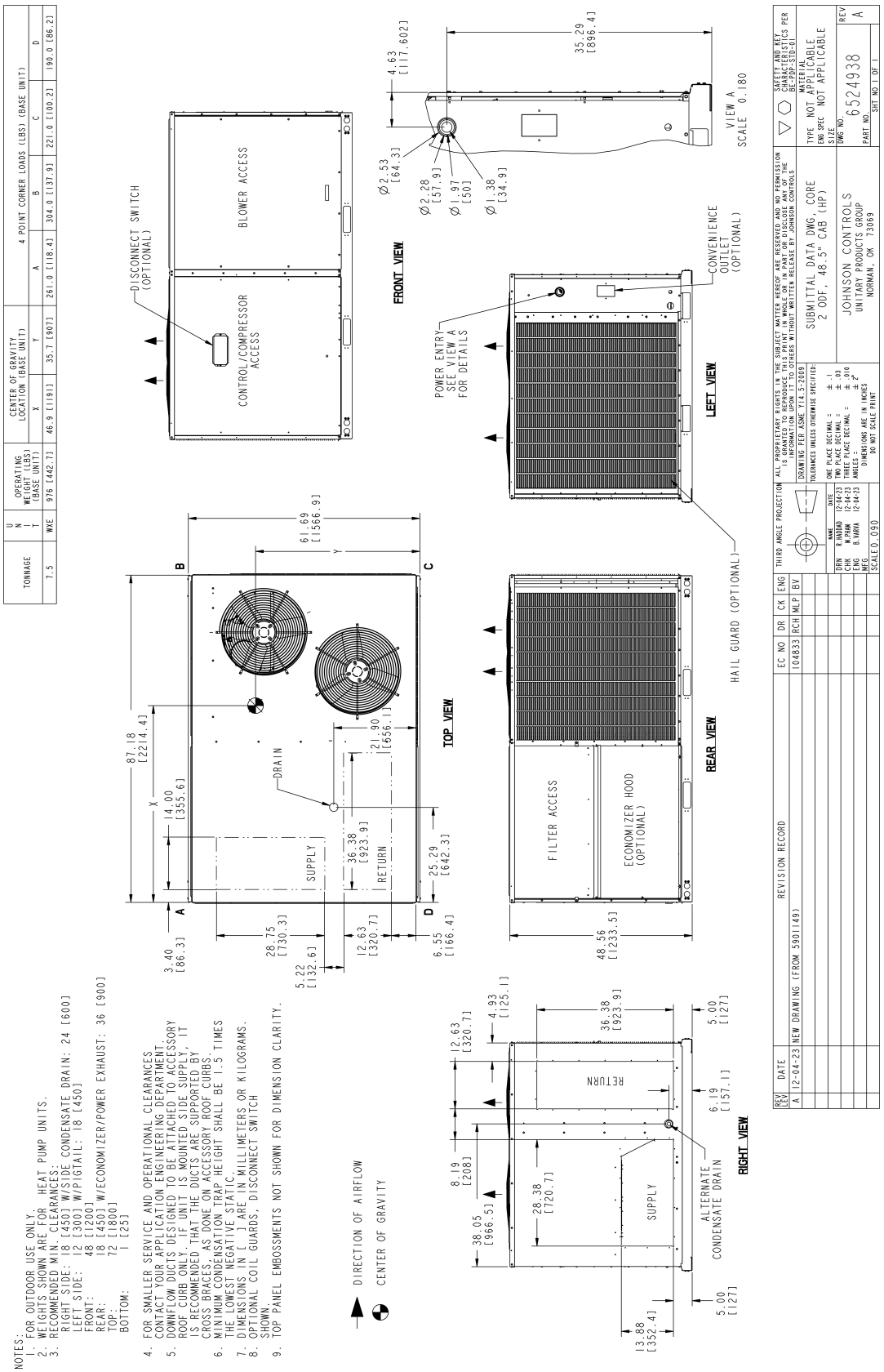


Figure 27: WYEA7

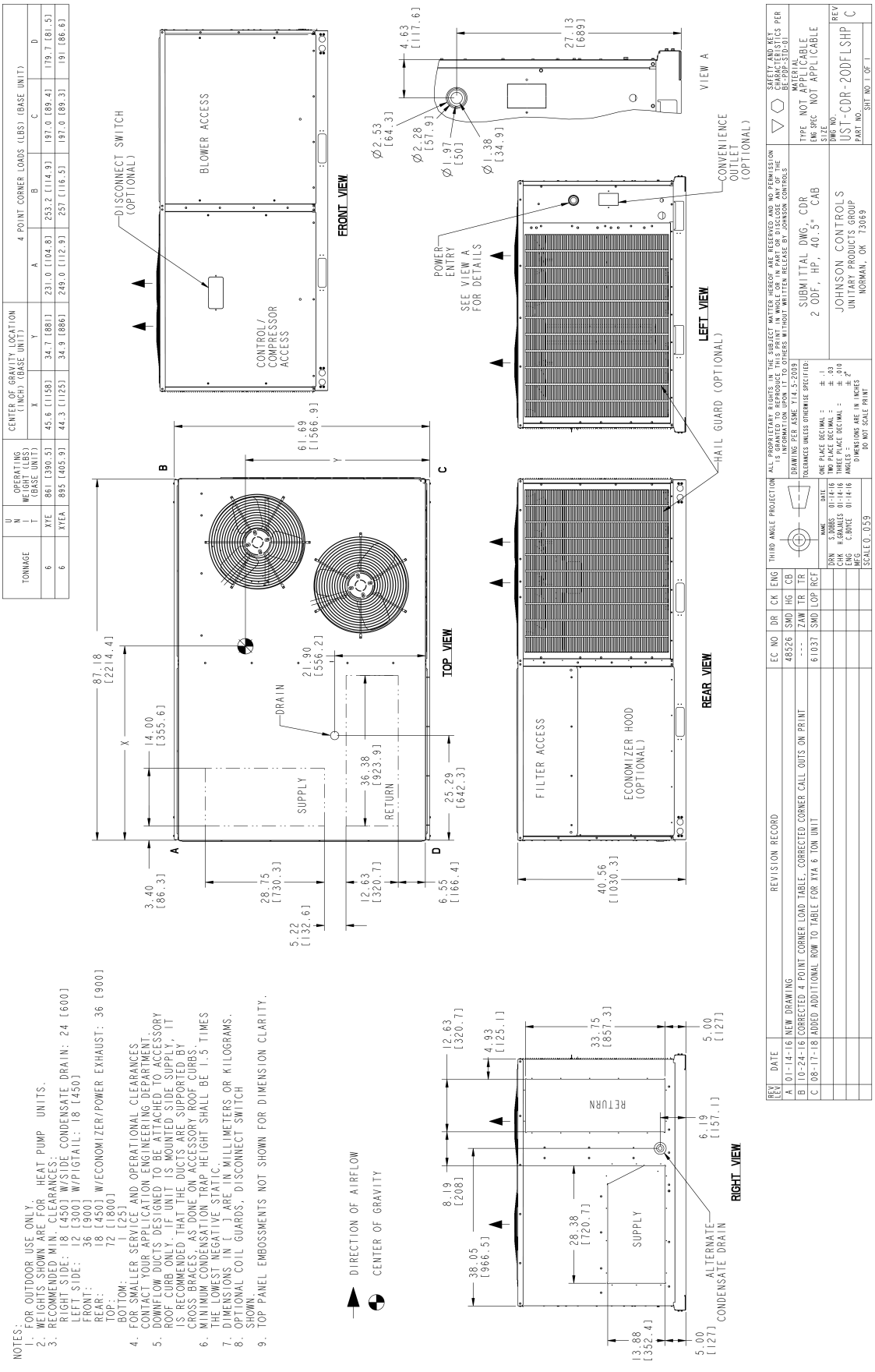


Figure 28: WYE08 and WXE12

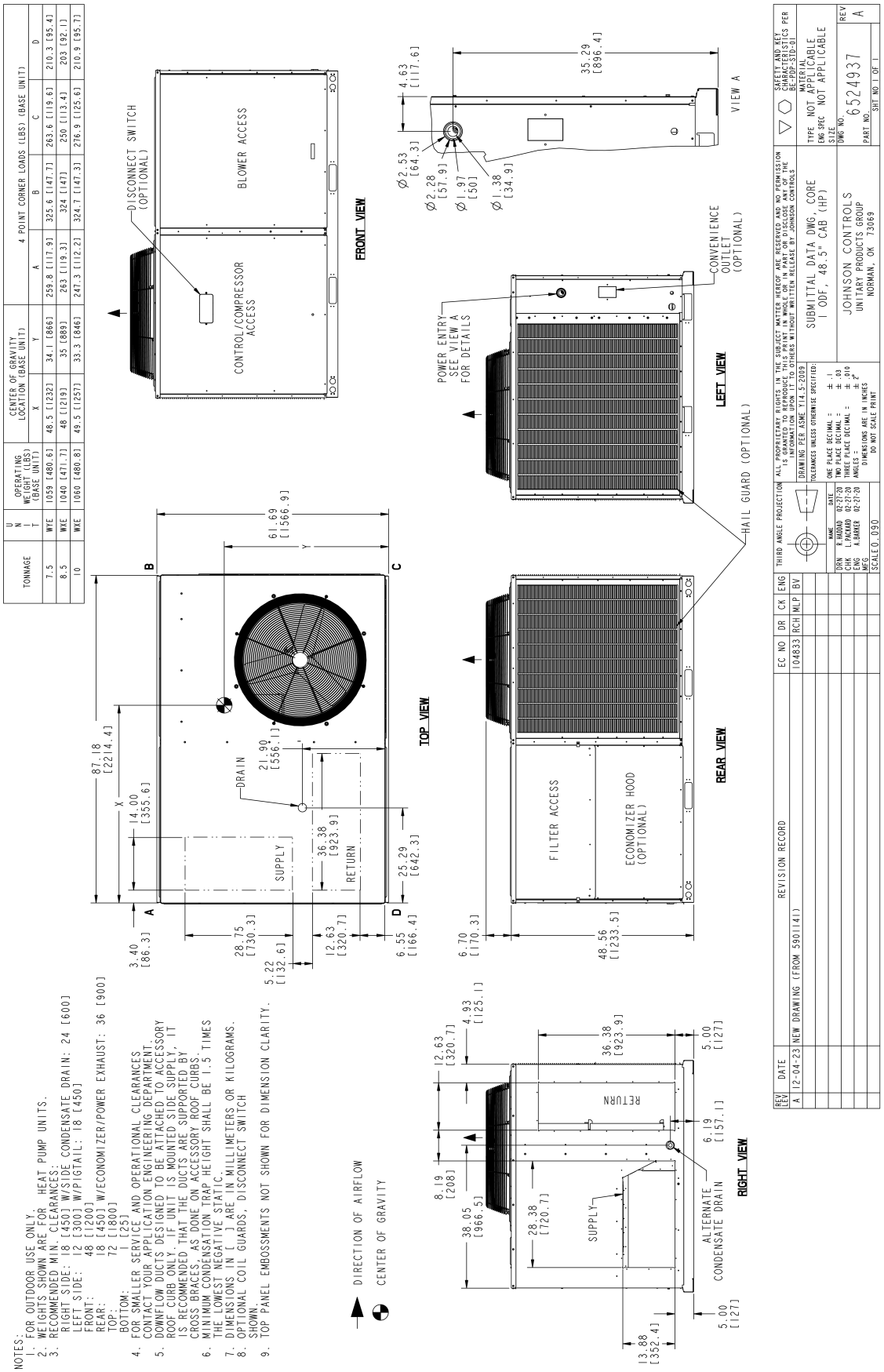


Table 109: WYE04-06, WQE04-06, and WXEA7 unit clearances

Direction	Distance (in.)	Direction	Distance (in.)
Top[1]	72	Right	18
Front	36	Left	12
Rear	18[2] /36[3]	Bottom[4]	1

Note:

1. Units must be installed outdoors. Over hanging structure or shrubs should not obscure condenser air discharge outlet.
2. Units without economizer or power exhaust.
3. Units equipped with an Economizer or Power Exhaust. Flue products must not be discharged within 10 Feet of the rear of the unit.
4. Units may be installed on combustible floors made from wood or class A, B or C roof covering materials.

Table 110: WXE08-12 and WYEA7-08 unit clearances

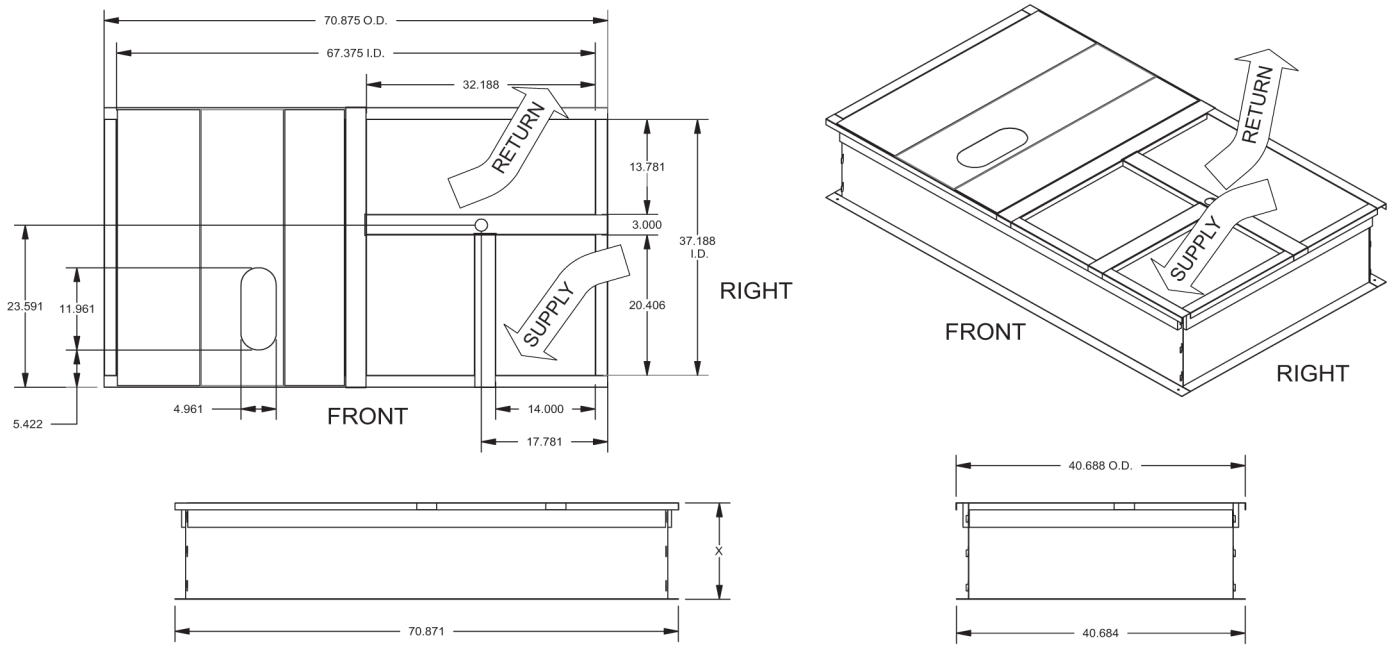
Direction	Distance (in.)	Direction	Distance (in.)
Top[1]	72	Right	18
Front	48	Left	12
Rear	18[2] /36[3]	Bottom[4]	1

Note:

1. Units must be installed outdoors. Over hanging structure or shrubs should not obscure condenser air discharge outlet.
2. Units without economizer or power exhaust.
3. Units equipped with an Economizer or Power Exhaust. Flue products must not be discharged within 10 feet of the rear of the unit.
4. Units may be installed on combustible floors made from wood or class A, B or C roof covering materials.

WYE04-08, WQE04-06, and WXEA7-12 unit roof curb dimensions

Figure 29: 1RC0456, 1RC0458 roof curb dimensions



1RC0456 X= 14" Height
1RC0458 X= 24" Height

Notes:
1. Sides, ends and cross support are 18-G90. Deck pans, R/A & S/A supports are 20-G90.
2. Full perimeter wood nailer.
3. Insulated deck pans.

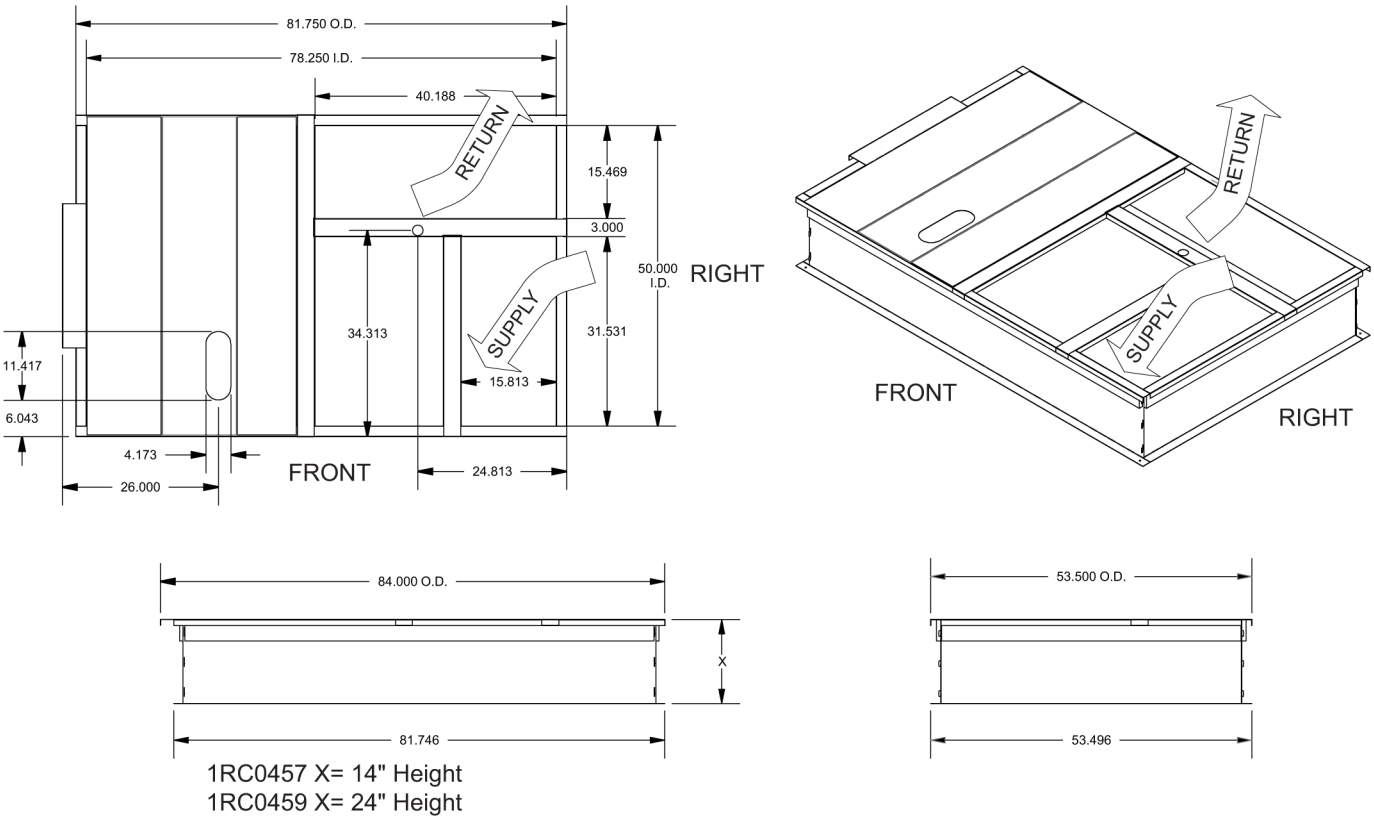
Unit models used with 1RC0456, 1RC0458 roof curb

- WYE/WQE04
- WYE/WQE05
- WYE/WQE06
- WXEA7

Note: If utilities are required through the base of the unit or through the roof curb the following field-installed accessories can be purchased through your dealer or contractor:

- 1TB0401: Through the base electrical
- 1TB0402: Through the base electrical
- 1TB0403: Through the base electrical
- 1TB0404: Through the base electrical

Figure 30: 1RC0457, 1RC0459 roof curb dimensions



Notes:

1. Sides, ends, unit locator and cross support are 18-G90. Deck pans, R/A & S/A supports are 20-G90.
2. Full perimeter wood nailer.
3. Insulated deck pans.

Unit models used with 1RC0457, 1RC0459 roof curb dimensions

- WYEA7
- WYE/WXE08
- WXE09
- WXE12

ⓘ **Note:** If utilities are required through the base of the unit or through the roof curb the following field-installed accessories can be purchased through your dealer or contractor:

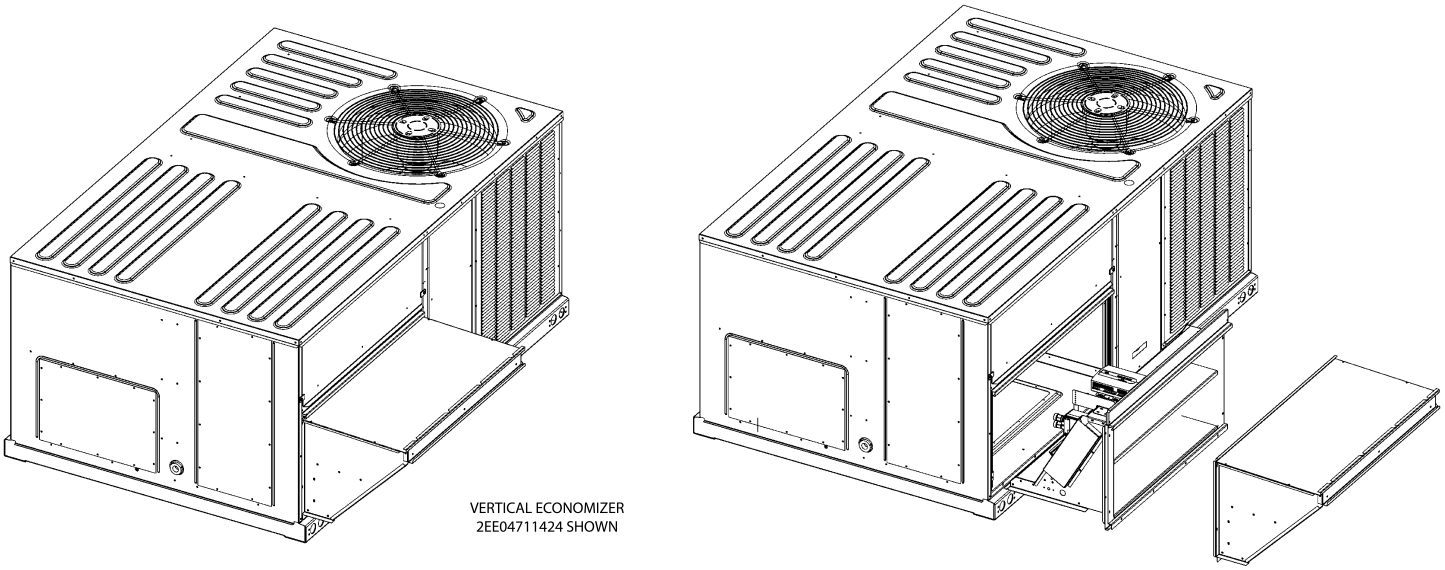
- 1TB0401: Through the base electrical

Economizer options

Table 111: Economizer usage

Application	Description	Accessory kit number
Economizer Vertical Flow	Econ, DB, Vertical Flow, Small Footprint	2EE04711424
	Econ, DB, Vertical Flow, Large Footprint	2EE04711524
Economizer Horizontal Flow	Econ, DB, Horizontal Flow, Small Footprint, Short Cabinet	2EE04707024
	Econ, DB, Horizontal Flow, Small Footprint, Tall Cabinet	2EE04707124
	Econ, DB, Horizontal Flow, Large Footprint, Short Cabinet	2EE04707224
	Econ, DB, Horizontal Flow, Large Footprint, Tall Cabinet	2EE04707324
Power Exhaust Vertical Flow	Power Exhaust Vert Flow Small Footprint 208V-230V 1-ph	2PE04704206
	Power Exhaust Vert Flow Small Footprint 208V-230V 3-ph	2PE04704225
	Power Exhaust Vert Flow Small Footprint 460V 3-ph	2PE04704246
	Power Exhaust Vert Flow Small Footprint 575V 3-ph	2PE04704258
	Power Exhaust Vert Flow Large Footprint 208V-230V 1-ph	2PE04704306
	Power Exhaust Vert Flow Large Footprint 208V-230V 3-ph	2PE04704325
	Power Exhaust Vert Flow Large Footprint 460V 3-ph	2PE04704346
	Power Exhaust Vert Flow Large Footprint 575V 3-ph	2PE04704358
Power Exhaust Horizontal Flow	Power Exhaust Horiz Flow Small Footprint 208V-230V 1-ph	2PE04704406
	Power Exhaust Horiz Flow Small Footprint 208V-230V 3-ph	2PE04704425
	Power Exhaust Horiz Flow Small Footprint 460V 3-ph	2PE04704446
	Power Exhaust Horiz Flow Small Footprint 575V 3-ph	2PE04704458
	Power Exhaust Horiz Flow Large Footprint 208V-230V 1-ph	2PE04704506
	Power Exhaust Horiz Flow Large Footprint 208V-230V 3-ph	2PE04704525
	Power Exhaust Horiz Flow Large Footprint 460V 3-ph	2PE04704546
	Power Exhaust Horiz Flow Large Footprint 575V 3-ph	2PE04704558

Figure 31: Field-installed vertical flow economizer



VERTICAL ECONOMIZER
2EE04711424 SHOWN

Figure 32: Field-installed vertical flow economizer w/power exhaust

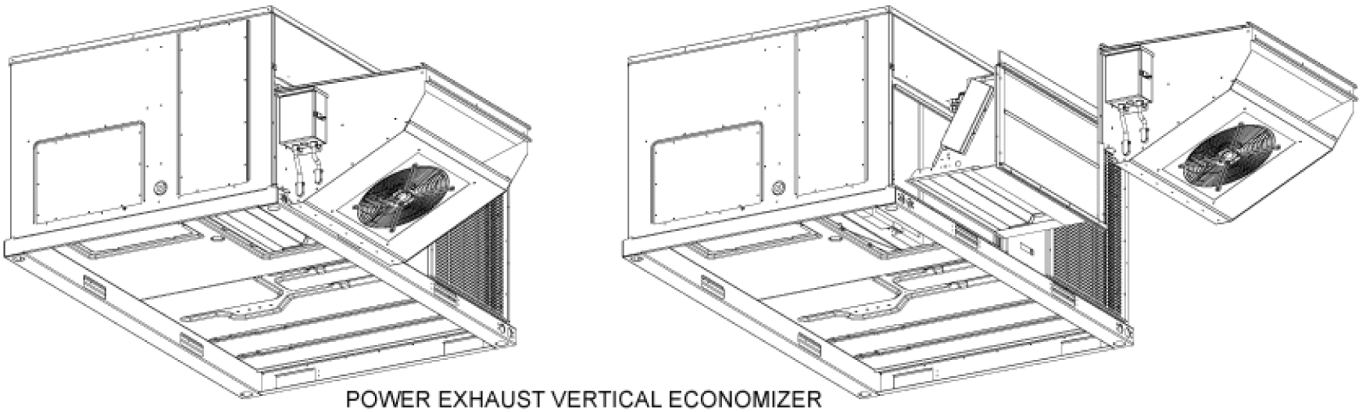


Figure 33: Field-installed horizontal flow economizer

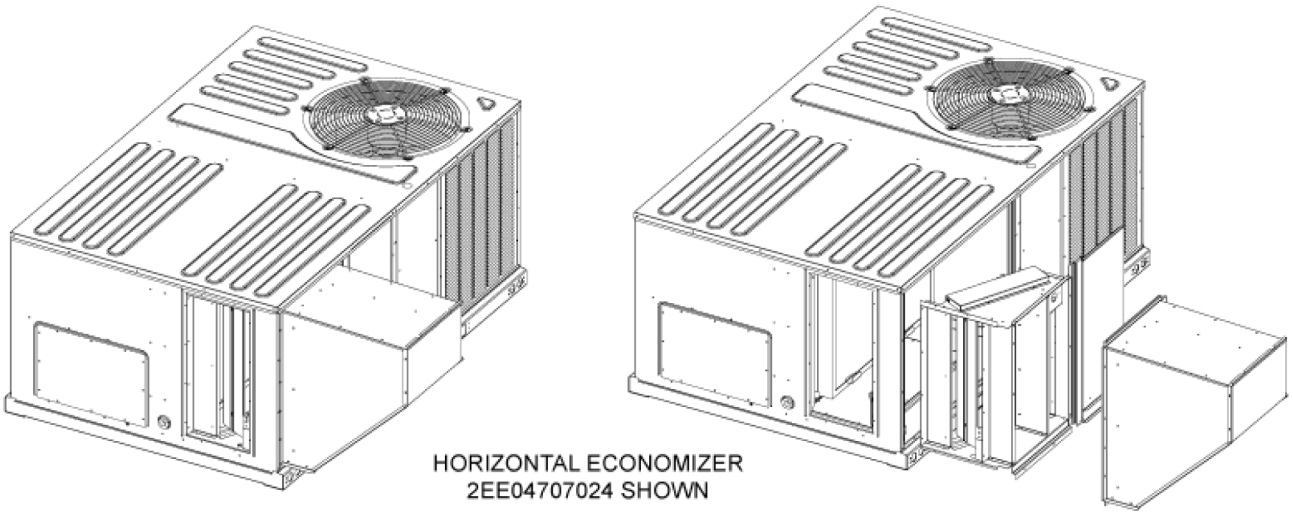
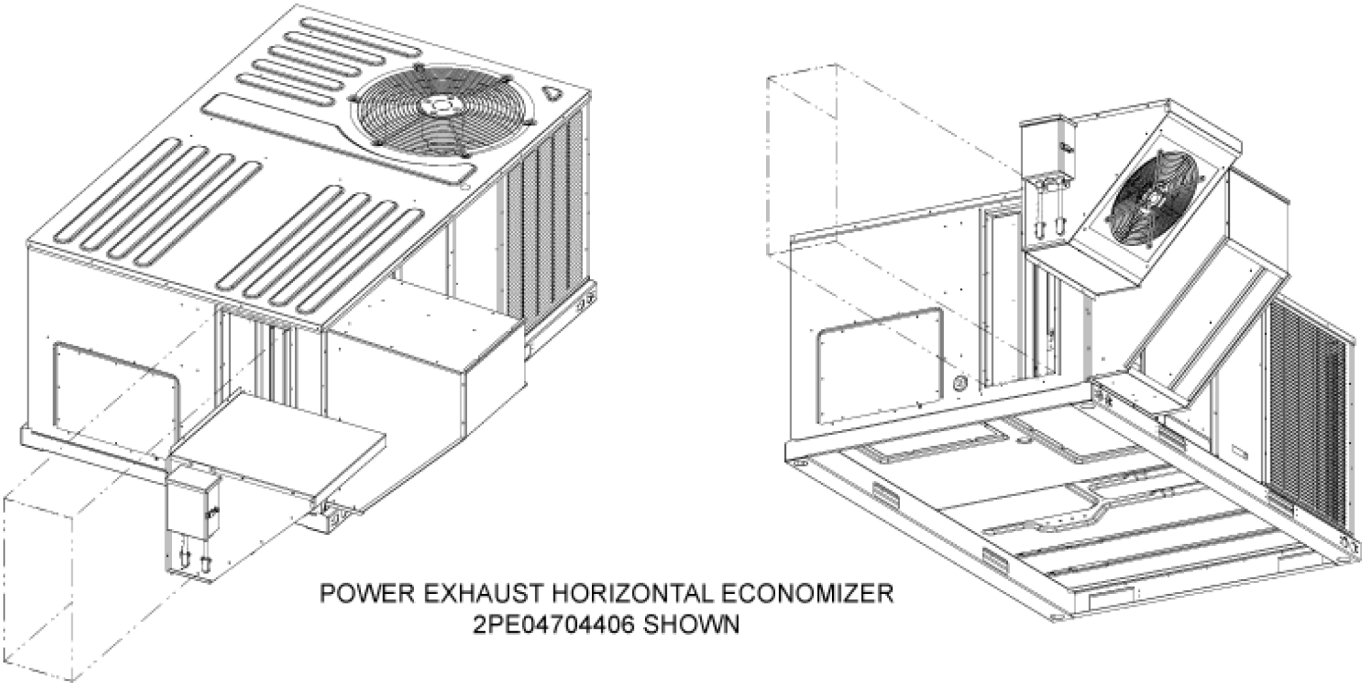


Figure 34: Field-installed horizontal flow economizer w/power exhaust



Guide specifications

Guide mechanical specifications

Single package heat pumps

3 through 10 nominal tons

Core Series

Size range: 3 to 10 tons nominal cooling

Model series: WYE/WQE/WXE

Division 23 – heating, ventilating, and air-conditioning (HVAC)

Number Title

23 00 00 Heating, ventilating, and air-conditioning (HVAC)

23 06 00 Schedules for HVAC

23 06 80 Schedules for Decentralized HVAC Equipment

23 06 80.13 Decentralized Unitary HVAC Equipment Schedule

23 06 80.13.A. Rooftop unit schedule

23 07 00 HVAC Insulation

23 07 16 HVAC Equipment Insulation

23 07 16.13 Decentralized, Rooftop Units:

23 07 16.13.A. Evaporator fan compartment:

1. Interior cabinet surfaces shall be insulated with a minimum 1/2- in. thick, minimum 1 1/2 lb density, flexible fiberglass insulation coated on the air side.
2. Insulation and adhesive shall meet NFPA 90A requirements for flame spread and smoke generation.

23 07 16.13.B. Gas heat compartment:

1. Aluminum foil- faced fiberglass insulation shall be used.
2. Insulation and adhesive shall meet NFPA 90A requirements for flame spread and smoke generation.

23 09 00 Instrumentation and Control for HVAC

23 09 13 Instrumentation and Control Devices for HVAC

23 09 13.23 Sensors and Transmitters

23 09 13.23.A. Thermostats

1. Thermostat must
   a. energize “G” when calling for fan only or continuous fan.
   b. have capability to energize 2 different stages of cooling, and 2 different stages of heating.

c. include capability for occupancy scheduling.

23 09 23 Direct- digital Control system for HVAC

23 09 23.13 Decentralized, Rooftop Units:

23 09 23.13.A. Smart Equipment™ (Unit based microprocessor control)

1. Shall be ASHRAE 62 compliant.
2. Shall include an integrated economizer controller to support an economizer with 2 to 10 v DC actuator input.
3. Controller shall accept the following inputs: space temperature, setpoint adjustment, outdoor air temperature, indoor air quality, outdoor air quality, indoor relative humidity, compressor lockout, fire shutdown, enthalpy, fan status, remote time clock/door switch.
4. Shall accept a CO2 sensor in the conditioned space, and be Demand Control Ventilation ready.
5. Unit shall provide surge protection for the controller through a circuit breaker.
6. Shall have an LED display independently showing the status of activity on the communication bus, and processor operation.
7. Software upgrades will be accomplished by local download. Software upgrades through chip replacements are not allowed.
1. Unit shall be complete with self-contained low-voltage control circuit protected by a resettable circuit breaker on the 24-volt transformer side.
2. Unit shall incorporate a lockout circuit which provides reset capability at the space thermostat or base unit should any of the following standard safety devices trip and shut off compressor:
3. Loss-of-charge/Low-pressure switch.
4. High-pressure switch.
5. Freeze-protection temperature sensor, evaporator coil. If any of the above safety devices trip, an LED (light-emitting diode) indicator shall flash a diagnostic code that indicates which safety switch has tripped.
6. Unit shall incorporate “AUTO RESET” compressor over temperature, over current protection.
7. Unit shall operate with conventional thermostat designs and have a low voltage terminal strip for easy hook-up.
8. Unit control board shall have on-board diagnostics and fault code display.
9. Standard controls shall include anti-short cycle and low voltage protection, and permit cooling operation down to 45 ºF.
10. Control board shall monitor each refrigerant safety switch independently.
11. Control board shall retain last 5 fault codes in non-volatile memory, which will not be lost in the event of a power loss.

23 09 23.13.B. RTU Open - multi- protocol, direct digital controller:

1. Shall be ASHRAE 62 compliant.
2. Shall include built- in protocol for BACNET , Modbus , and Johnson N2.
3. Shall allow access of up to 62 network variables (SNVT). Shall be compatible with all open controllers
4. Baud rate Controller baud rate setting shall be selected in the Smart Equipment control.
5. Shall have an LED display independently showing the status of serial communication, running, errors, power, all digital outputs, and all analog inputs.
6. Shall accept the following inputs: space temperature, setpoint adjustment, outdoor air temperature, indoor air quality, outdoor air quality, compressor lock- out, fire shutdown, enthalpy switch, and fan status/filter status/ humidity/ remote occupancy.
7. Software upgrades will be accomplished by local download. No software upgrades through chip replacements are allowed.

23 09 33 Electric and Electronic Control System for HVAC

23 09 33.13 Decentralized, Rooftop Units:

23 09 33.13.A. General:

1. Shall be complete with self- contained low- voltage control circuit protected by a resettable circuit breaker on the 24- v transformer side. Transformer shall have 75VA capability.
2. Shall utilize color- coded wiring.
3. Shall include a central control terminal board to conveniently and safely provide connection points for vital control functions such as: smoke detectors, phase monitor, gas controller, economizer, thermostat, DDC control options, and low and high pressure switches.

23 09 33.23.B. Safeties:

1. Compressor over- temperature, over- current. High internal pressure differential.
2. Low- pressure switch.
   a. Low pressure switch shall use different color wire than the high pressure switch. The purpose is to assist the installer and service technician to correctly wire and or troubleshoot the rooftop unit.
3. High- pressure switch.
   a. High pressure switch shall use different color wire than the low pressure switch. The purpose is to assist the installer and service technician to correctly wire and or troubleshoot the rooftop unit.
4. Automatic reset, motor thermal overload protector.

23 09 93 Sequence of Operations for HVAC Controls

23 09 93.13 Decentralized, Rooftop Units:

23 09 93.13 INSERT SEQUENCE OF OPERATION

23 40 13 Panel Air Filters

23 40 13.13 Decentralized, Rooftop Units:

23 40 13.13.A. Standard filter section

1. Shall consist of factory- installed, low velocity, disposable 2 in. thick fiberglass filters of commercially available sizes.
2. Units can accept 2 in. filters
3. Filters shall be accesible through an access panel with toolless removal as described in the unit cabinet section of this specification (23 81 19.13.H).

23 81 19 Self- Contained Air Conditioners

23 81 19.13 Small- Capacity Self- Contained Air Conditioners

23 81 19.13.A. General

1. Outdoor, rooftop mounted, electrically controlled, heating and cooling unit utilizing a fully hermetic scroll compressor(s) for cooling duty and gas combustion for heating duty.
2. Factory assembled, single- piece heating and cooling rooftop unit. Contained within the unit enclosure shall be all factory wiring, piping, controls, and special features required prior to field start- up.
3. Unit shall use environmentally sound, R-454B refrigerant.
4. Unit shall be installed in accordance with the manufacturer’s instructions.
5. Unit must be selected and installed in compliance with local, state, and federal codes.

23 81 19.13.B. Quality Assurance

1. Unit meets ASHRAE 90.1 minimum efficiency requirements.
2. WYE units are Energy Star certified.
3. Unit shall be rated in accordance with AHRI Standards 210/240 or 340/360.
4. Unit shall be designed to conform to ASHRAE 15.

5. Unit shall be UL- tested and certified in accordance with ANSI Z21.47 -2012/CSA 2.3-2012, CSA C22.2 No. 236-11 (UL 1995) 4th edition and CSA C22.2 No. 3 - M 1988.
6. Insulation and adhesive shall meet NFPA 90A requirements for flame spread and smoke generation.
7. Unit casing shall be capable of withstanding 750- hour salt spray exposure per ASTM B117 (scribed specimen).
8. Unit shall be designed in accordance with ISO 9001, and shall be manufactured in a facility registered by ISO 9001.
9. Roof curb shall be designed to conform to NRCA Standards.
10. Unit shall be subjected to a completely automated run test on the assembly line. The data for each unit will be stored at the factory, and must be available upon request.
11. Unit shall be designed in accordance with UL Standard 1995 Fourth Edition, including tested to withstand rain.
12. Unit shake tested to assurance level 1, ASTM D4169 to ensure shipping reliability.
13. High Efficient Motors listed shall meet section 313 of the Energy Independence and Security Act of 2007 (EISA 2007).

23 81 19.13.C. Delivery, Storage, and Handling

1. Unit shall be stored and handled per manufacturer's recommendations.

23 81 19.13.E. Project Conditions

1. As specified in the contract.

23 81 19.13.F. Operating Characteristics

1. Unit shall be capable of starting and running at 125°_F (52°_C) ambient outdoor temperature, meeting maximum load criteria of AHRI Standard 210/240 or 340/360 at ± 10% voltage.
2. Compressor with standard controls shall be capable of operation down to 40°_F (4°_C), ambient outdoor temperatures. See below for head pressure control package or winter start kit.
3. Unit shall discharge supply air vertically or horizontally as shown on contract drawings.
4. Unit shall be factory configured for vertical supply and return configurations.
5. Unit shall be field convertible from vertical to horizontal airflow on all models.
6. Unit shall be capable of mixed operation: vertical supply with horizontal return or horizontal supply with vertical return.

23 81 19.13.G. Electrical Requirements

1. Main power supply voltage, phase, and frequency must match those required by the manufacturer.

23 81 19.13.H. Unit Cabinet

1. **Unit cabinet shall be constructed of galvanized steel with exterior surfaces coated with a non-chalking, powder paint finish, certified at 750 hour salt spray test per ASTM-B117 standards.**
2. Evaporator fan compartment interior cabinet insulation shall conform to AHRI Standards 210/240 or 340/360 minimum exterior sweat criteria. Interior surfaces shall be insulated with a minimum 1/2- in. thick, 1 1/2 lb density, flexible fiberglass insulation, neoprene coated on the air side. Aluminum foil- faced fiberglass insulation shall be used in the electric heat compartment. Fan shall be a direct drive or belt drive assembly and include an adjustable pitch motor pulley. Job site selected brake horsepower shall not exceed the motors nameplate horsepower rating plus the service factor (Only premium efficiency motors have hp rating on the nameplate). Units shall be designed to operate within the service factor. Fan wheel shall be double inlet type with forward curve blades, dynamically balanced to operate smoothly throughout the entire range of operation. Airflow design shall be constant volume. Bearings shall be sealed and permanently lubricated for longer life and no maintenance.

   Condenser Fan Assembly: The outdoor fans shall be of the direct drive type, discharge air vertically, have aluminum blades riveted to corrosion resistant steel spider brackets and shall be dynamically balanced for smooth operation. The outdoor fan motors shall have permanently lubricated bearings internally protected against overload conditions and staged independently.

3. Base of unit shall have a minimum of four locations for through- the- base gas and electrical connections (field-installed), standard.
4. Base Rail
   a. Unit shall have base rails on a minimum of 4 sides.
   b. Holes shall be provided in the base rails for rigging shackles to facilitate maneuvering and overhead rigging.
   c. Holes shall be provided in the base rail for moving the rooftop by fork truck.
   d. Base rail shall be a minimum of 16 gauge thickness.
5. Condensate pan and connections:
   a. Shall be an internally sloped condensate drain pan made of a non- corrosive material. b. Shall comply with ASHRAE Standard 62.
   b. Shall use a 3/4 in. - 14 NPT drain connection, possible either through the bottom or side of the drain pan. Connection shall be made per manufacturer's recommendations.
6. Top panel:
   a. Shall be a single piece top panel.
7. Electrical Connections
   a. All unit power wiring shall enter unit cabinet at a single, factory- prepared, knockout location. b. through-the- base capability.
      i. Standard unit shall have a through- the- base electrical location (s) using a raised, embossed portion of the unit base-pan.
      ii. Optional, factory- approved, water- tight connection method must be used for through- the- base electrical connections.
      iii. No base-pan penetration, other than those authorized by the manufacturer, is permitted.
8. Component access panels (standard)
   a. Cabinet panels shall be easily removable for servicing.
   b. Unit shall have one factory-installed, toolless, removable, filter access panel.
   c. Panels covering control box, indoor fan, indoor fan motor, gas components (where applicable), and compressors shall have a molded composite handles.
   d. Handles shall be UV modified, composite. They shall be permanently attached, and recessed into the panel.
   e. Screws on the vertical portion of all removable access panel shall engage into heat resistant, molded composite collars.
   f. Collars shall be removable and easily replaceable using manufacturer recommended parts.

23 81 19.13.J. Coils

1. Standard Aluminum Fin/Copper Tube Coils:
   a. Standard evaporator and condenser coils shall have aluminum lanced plate fins mechanically bonded to seamless internally grooved copper tubes with all joints brazed.
   b. Evaporator coils shall be leak tested to 150 psig, pressure tested to 450 psig, and qualified to CSA C22.2 No. 236-11 (UL 1995) 4th edition burst test at 1775 psig.
   c. Condenser coils shall be leak tested to 150 psig, pressure tested to 650 psig, and qualified to CSA C22.2 No. 236-11 (UL 1995) 4th edition burst test at 1980 psig.
2. Optional E-Coat- coated aluminum- fin evaporator and condenser coils:
   a. Shall have a durable epoxy- phenolic coating to provide protection in mildly corrosive coastal environments.
   b. Coating shall be applied to the aluminum fin stock prior to the fin stamping process to create an inert barrier between the aluminum fin and copper tube.
   c. Epoxy- phenolic barrier shall minimize galvanic action between dissimilar metals.

23 81 19.13.K. Refrigerant Components

1. Refrigerant circuit shall include the following control, safety, and maintenance features:
   a. Thermostatic Expansion Valve (TXV) shall help provide optimum performance across the entire operating range. Shall contain removable power element to allow change out of power element and bulb without removing the valve body. (Orifice on 3 - 5 Ton Units)
   b. Refrigerant filter drier - Solid core design.
   c. Service gauge connections on suction and discharge lines.
   d. Pressure gauge access through a specially designed access port in the top panel of the unit.
2. There shall be gauge line access port in the skin of the rooftop, covered by a black, removable plug.
   a. The plug shall be easy to remove and replace.
   b. When the plug is removed, the gauge access port shall enable maintenance personnel to route their pressure gauge lines.
   c. This gauge access port shall facilitate correct and accurate condenser pressure readings by enabling the reading with the compressor access panel on.
   d. The plug shall be made of a leak proof, UV- resistant, composite material.
3. Compressors
   a. Unit shall use fully hermetic, scroll compressor for each independent refrigeration circuit.
   b. Compressor motors shall be cooled by refrigerant gas passing through motor windings.
   c. Compressors shall be internally protected from high discharge temperature conditions.
   d. Compressors shall be protected from an over- temperature and over- amperage conditions by an internal, motor overload device.
   e. Compressor shall be factory mounted on rubber grommets.
   f. Compressor motors shall have internal line break thermal, current overload and high pressure differential protection.
   g. Crankcase heaters shall not be required for normal operating range, unless provided by the factory.

23 81 19.13.L. Filter Section

1. Filters access is specified in the unit cabinet section of this specification.
2. Shall consist of factory- installed, low velocity, throw- away 2 in. thick fiberglass filters.
3. 3. Units can accept 2 in. filters

23 81 19.13.M. Evaporator Fan and Motor

1. Evaporator fan motor:
   a. Shall have permanently lubricated bearings.
   b. Shall have inherent automatic reset thermal protection (Only on single-phase, belt-drive motors, three - phase, belt-drive motors have internal thermostat used for external line-break control.).
2. Electric Drive (Direct Drive) X13 – 5 Speed/Torque Evaporator Fan:
   a. Multi- speed motor with easy quick adjustment settings.
   b. Blower fan shall be double- inlet type with forward- curved blades.
   c. Shall be constructed from steel with a corrosion resistant finish and dynamically balanced.
3. Belt- driven Evaporator Fan:
   a. Belt drive shall include an adjustable- pitch motor pulley.
   b. Shall use sealed, permanently lubricated ball- bearing type.
   c. Blower fan shall be double- inlet type with forward- curved blades.
   d. Shall be constructed from steel with a corrosion resistant finish and dynamically balanced.

23 81 19.13.N. Condenser Fans and Motors

The outdoor fans shall be of the direct drive type, discharge air vertically, have aluminum blades riveted to corrosion resistant steel spider brackets and shall be dynamically balanced for smooth operation. The outdoor fan motors shall have permanently lubricated 60°C ball bearings internally protected against overload conditions and staged independently.

1. Condenser fan motors:
   a. Shall be a totally enclosed motor.
   b. Shall use permanently lubricated bearings.
   c. Shall have inherent thermal overload protection with an automatic reset feature.
   d. All models shall use a shaft- down design.
2. Condenser Fans:
   a. Shall be a direct- driven propeller type fan.
   b. Shall have galvanized steel blades riveted to corrosion- resistant steel spiders and shall be dynamically balanced.

23 81 19.13.O. Special Features Options and Accessories

1. Standard Integrated Economizers:
   a. Integrated, gear- driven opposing modulating blade design type capable of simultaneous economizer and compressor operation.
   b. Independent modules for vertical or horizontal return configurations shall be available. Vertical return modules shall be available as a factory-installed option.
   c. Damper blades shall be galvanized steel with composite gears. Plastic or composite blades on intake or return shall not be acceptable.
   d. Shall include all hardware and controls to provide free cooling with outdoor air when temperature and/or humidity are below set-points.
   e. Shall be equipped with gear driven dampers for both the outdoor ventilation air and the return air for positive air stream control.
   f. Standard models shall be equipped with low- leakage dampers, not to exceed 2% leakage at 1 in. wg pressure differential. Economizers will come with Actuator and module that is tied to Smart Equipment™:
      i. Combined minimum and DCV maximum damper position potentiometers with compressor staging relay.
      ii. Functions with solid state analog enthalpy or dry bulb changeover control sensing.
      iii. Contain LED indicates for: when free cooling is available when module is in DCV mode when exhaust fan contact is closed
2. Two- Position Damper
   a. Damper shall be a Two- Position Damper. Damper travel shall be from the full closed position to the field adjustable %- open setpoint.
   b. Damper shall include adjustable damper travel from 25% to 100% (full open).
   c. Damper shall include single or dual blade, gear driven dampers and actuator motor.
   d. Actuator shall be direct coupled to damper gear. No linkage arms or control rods shall be acceptable.
   e. Damper will admit up to 100% outdoor air for applicable rooftop units.
   f. Damper shall close upon indoor (evaporator) fan shutoff and/or loss of power.
   g. The damper actuator shall plug into the rooftop unit's wiring harness plug. No hard wiring shall be required.
   h. Outside air hood shall include aluminum water entrainment filter.
3. Manual damper
   a. Manual damper package shall consist of damper, air inlet screen, and rain hood which can be preset to admit up to 25 or 50% outdoor air for year round ventilation.

4. Condenser Coil Hail Guard Assembly (factory and field-installed on all models):
   a. Shall protect against damage from hail.
   b. Shall be of louvered style.
5. Unit- Mounted, Non- Fused Disconnect Switch:
   a. Switch shall be factory- installed, internally mounted.
   b. National Electric Code (NEC) and UL approved non- fused switch shall provide unit power shutoff.
   c. Shall be accessible from outside the unit.
   d. Shall provide local shutdown and lockout capability.
6. through- the- Base Connectors:
   a. Kits shall provide connectors to permit gas and electrical connections to be brought to the unit through the unit base-pan.
   b. Minimum of four connection locations per unit.
7. Propeller Power Exhaust:
   a. Power exhaust shall be used in conjunction with an integrated economizer.
   b. Independent modules for vertical or horizontal return configurations shall be available.
   c. Horizontal power exhaust shall be mounted in return ductwork.
   d. Power exhaust shall be controlled by economizer controller operation. Exhaust fans shall be energized when dampers open past the 0- 100% adjustable setpoint on the economizer control.
8. Roof Curbs (Vertical):
   a. Full perimeter roof curb with exhaust capability providing separate air streams for energy recovery from the exhaust air without supply air contamination.
   b. Formed galvanized steel with wood nailer strip and shall be capable of supporting entire unit weight.
   c. Permits installation and securing of ductwork to curb prior to mounting unit on the curb.
9. Outdoor Air Enthalpy Sensor:
   a. The outdoor air enthalpy sensor shall be used to provide single enthalpy control. When used in conjunction with a return air enthalpy sensor, the unit will provide differential enthalpy control. The sensor allows the unit to determine if outside air is suitable for free cooling.
10. Return Air Enthalpy Sensor:
    a. The return air enthalpy sensor shall be used in conjunction with an outdoor air enthalpy sensor to provide differential enthalpy control.
11. Indoor Air Quality (CO2) Sensor:
    a. Shall be able to provide demand ventilation indoor air quality (IAQ) control.
    b. The IAQ sensor shall be available in duct mount, wall mount, or wall mount with LED display. The set- point shall have adjustment capability.
    c. Shall be environmental compensated with differential sensing for reliable, stable, and drift- free sensitivity.
    d. Shall use magnet- activated test/reset sensor switches.
    e. Shall have tool- less connection terminal access.