



Better ecology,
Better economy.

Air Cooled Screw Liquid Chillers (STYLE G)



28971AR



50 – 200 Tons



200, 230, 380,
460, AND 575

R-407C Optimized

80 – 400 Tons
280 kW – 1400 kW
60 Hz



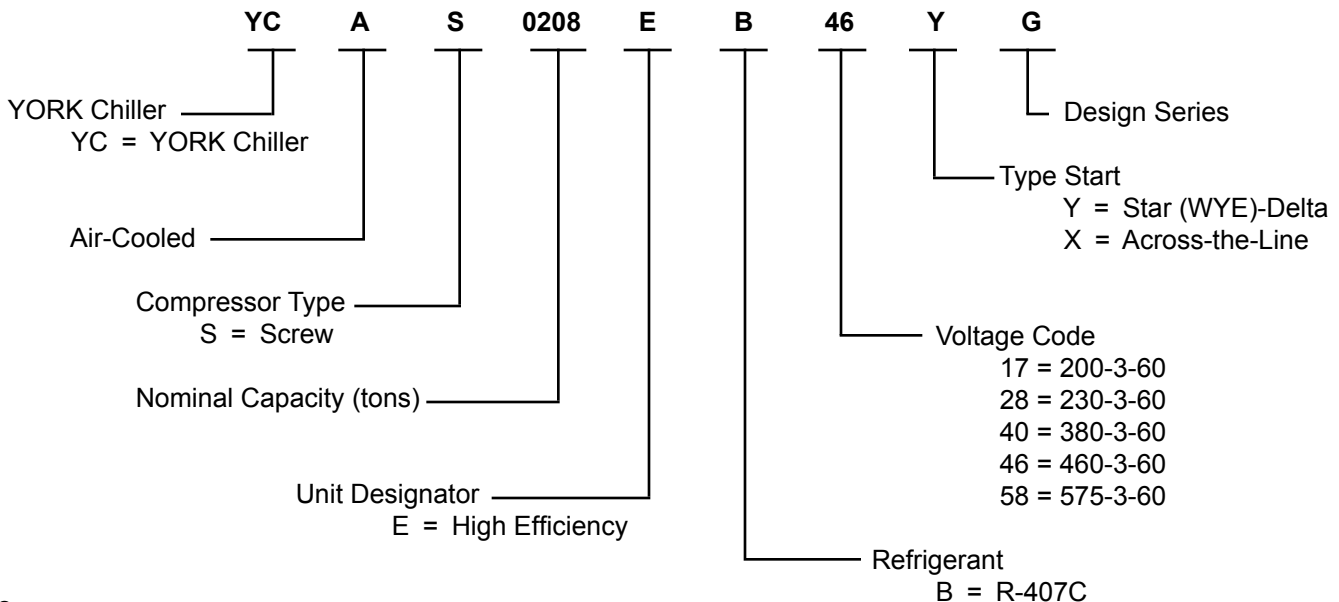
Metric Conversions



TABLE OF CONTENTS

Introduction.....	3
Specifications	4
Accessories and Options.....	8
Temperatures and Flows	11
Water Pressure Drop.....	12
Ratings	16
Physical Data.....	34
Dimensions.....	38
Operating Weights (Aluminum Fin Coils)	82
Isolator Selection (Aluminum Fin Coils).....	83
Operating Weights	85
Isolator Selection	86
Isolator Selection	89
Isolator Details.....	92
Electrical Data	94
Electrical Notes.....	105
Power Connection Options.....	106
Typical Control Wiring.....	110
Application Data	112
Guide Specifications.....	
.....	

NOMENCLATURE



Introduction

YORK **eco²** Air Cooled Screw Liquid Chillers R-407C Optimized



28971AR

*The **YORK eco²** technology takes the YCAS Air Cooled Screw Chillers yet another step beyond the competition. Using unique (patent pending) heat transfer design, the **eco²** chillers exploit the special “glide” characteristic of HFC refrigerant R-407C, resulting in excellent performance from a machine using a zero ozone depletion refrigerant. These Air Cooled Screw Compressor machines are the state-of-the-art in air cooled chillers, providing chilled fluids for all air conditioning applications. Completely self-contained and designed for outdoor installation, they employ low noise, energy efficient, serviceable, semi-hermetic screw compressors designed and manufactured specifically for this new product line. These compressors, with reliable twin-screw technology, are ideally matched to evaporators and condensers optimally configured for superior heat transfer and unit efficiency. Condenser coils are arranged to maximize air flow using full airfoil, high efficiency, low noise fans driven by low energy motors. The screw compressors, high efficiency evaporator, enhanced heat transfer condensers, and weather tight power and microprocessor control centers are mounted on a bolted, fully galvanized and powder painted, all steel base, for unsurpassed reliability and performance.*

Specifications

These **YORK** air cooled chillers are shipped as a complete factory package. Each unit is completely assembled with all interconnecting refrigerant piping and internal wiring, ready for field installation, including:

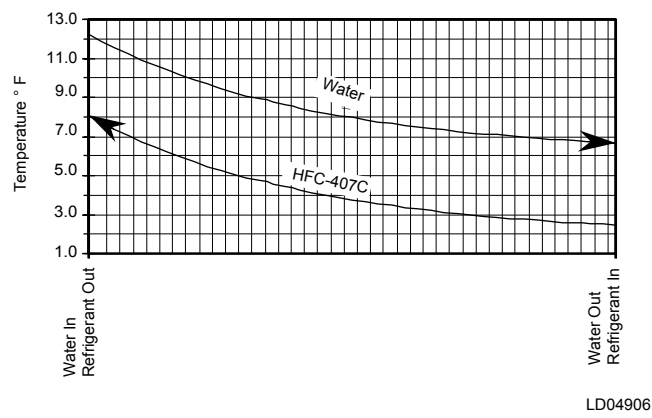
HFC REFRIGERANT R-407C:

- R-407C has outstanding properties which make it the superior HFC refrigerant for air cooled chillers.
- R-407C is an HFC (hydrofluorocarbon). HFCs have zero ODP (ozone depletion potential) because they contain no chlorine to damage the ozone layer.
- R-407C achieves low total global warming impact in **YORK's** **eco²** air cooled chillers. Direct effect GWP (Global Warming Potential) assumes refrigerant is allowed to leak into the atmosphere. Refrigerants suitable for air cooled chillers have similar GWPs, and the slight differences are not significant when evaluating TEWI (Total Equivalent Warming Impact). Instead, the CO₂ and rejection heat from utilities generating electricity to run the machines account for 98% to 99% of TEWI over the typical life of a chiller. Therefore, the critical issue is energy efficiency. The **YORK eco²** air cooled chillers have excellent energy efficiency.
- R-407C is safe and chemically stable. R-407C is listed in ASHRAE Standard-34 *Number Designation and Safety Classification for Refrigerants* as an "A-1" refrigerant; lowest toxicity, non-flammable.
- R-407C is similar to R-22. Though there are many refrigerants, HFC R-407C retains many of the fine properties of HCFC R-22, the venerable 'work-horse' refrigerant of air-cooled DX chillers for decades, but with no chlorine. In fact, the pressures, temperatures, and heat transfer characteristics of R-407C are so similar to R-22, it has been applied for years as a 'drop-in' alternative in machines originally designed for R-22.
- R-407C has "Glide," which benefits performance. Glide describes the property of a refrigerant boiling across a temperature range at a given pressure (it is *zeotropic*), rather than at a single temperature (*azeotropic*). R-407C is a blend of three constituents (23% R-32, 25% R-125, and 52% R-134a) and is zeotropic. At typical water chiller evaporator pressures, R-407C has about 8°F (4.4°C) of glide. While placing a refrigerant with glide into a machine designed for an azeotropic refrigerant (no glide, like R-22) typically diminishes chiller performance, the **YORK eco²** machine exploits glide to achieve exceptional energy efficiency.
- R-407C is a good "DX" refrigerant, well suited to air cooled chillers. DX, or Direct Expansion (refrigerant evaporated in the tubes, and water flowing over the tubes inside the shell), and Flooded (refrigerant boiling in a 'pool' in the shell, and water inside the tubes) are terms used to describe typical chiller evaporator

heat exchangers. While flooded designs are easily employed on indoor equipment, DX is preferred on air-cooled equipment for better refrigerant and oil management across the broad range of ambient conditions, resulting in greater application flexibility and system reliability.

EVAPORATOR:

- **YORK's** special **eco²** 'Counter-Flow' heat exchanger design takes advantage of the "Glide" characteristic intrinsic to HFC R-407C. It employs technologically advanced (*patented*) high efficiency tube assemblies which make possible a single refrigerant pass, DX type cooler that is *better* than a flooded cooler; delivering refrigerant suction gas *warmer* than the leaving chilled water at full load.
- Independent circuits provided for each compressor.
- Design working pressure of the shell waterside is 150 PSIG (10.3 Bar), and 350 PSIG (23.8 Bar) for the refrigerant side. Constructed and tested in accordance with applicable sections of ASME Pressure Vessel



Code, Section VIII, Division (1). Water side exempt per paragraph U-1, (c), (6).

- Water baffles fabricated from galvanized steel to resist corrosion. Removable heads allow access to internally-enhanced, seamless, copper tubes. Water vent and drain connections included.
- Cooler equipped with thermostat controlled heater for protection to -20°F (-29°C) ambient, and insulated with 3/4" (19 mm) flexible, closed-cell foam (k = 0.25).

SEMI-HERMETIC YORK SCREW COMPRESSORS:

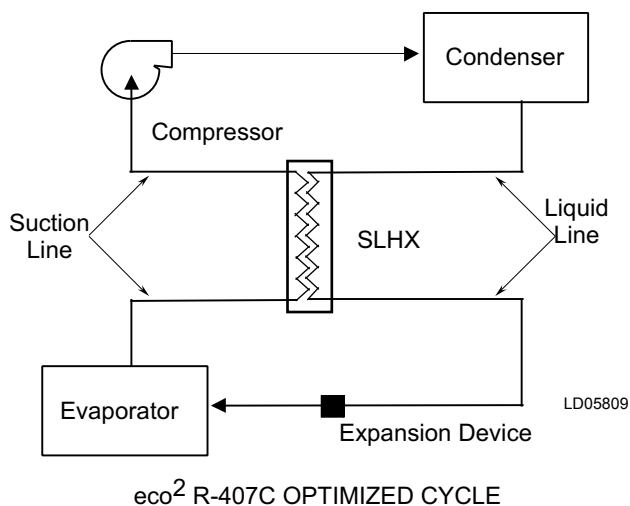
- Continuous function, microprocessor controlled, 3-way proportional Capacity Control Valve provides regulated output pressure independent of valve input pressure for a stable, smooth, and precise match of compressor capacity to cooling load to 10% of chiller

capacity.

- Automatic spring return of capacity control valve to minimum load position ensures compressor starting at minimum motor load. Internal discharge check to prevent rotor backspin upon shut-down.
- Acoustically Tuned, internal discharge gas muffler eliminates objectionable noise at the source, while optimizing flow for maximum performance.
- Reliable suction gas cooled, high efficiency, accessible hermetic motor with APT2000 type magnet wire and redundant overload protection using both thermistor and current overload protection.
- Suction gas screen and serviceable, 0.5 micron full flow oil filter within the compressor housing.
- Cast iron compressor housing precisely machined for optimal clearances and superb efficiency. Entire compressor, from suction to discharge has a Design Working Pressure of 450 PSIG (31 Bar).
- 350W compressor body cartridge heater.

REFRIGERANT CIRCUIT:

- Each refrigerant circuit of YORK's **eco²** design utilizes a Suction Line Heat Exchanger (SLHX), a refrigerant to refrigerant, compact, shell and tube type heat exchanger to maximize chiller capacity and efficiency by subcooling liquid refrigerant delivered to the expansion valve and superheating suction gas delivered to the compressor. Design Working Pressure of 450 PSIG (31 Bar) and either U.L./cU.L. listed or constructed in accordance with applicable pressure vessel safety Code (such as TÜV).
- Independent refrigerant circuits per compressor, each using copper refrigerant pipe formed on computer controlled bending machines. This eliminates over 60% of system piping brazed joints as compared to designs that use fittings, resulting in a highly reliable and leak



resistant system.

- Liquid line components include: manual shut-off valve with charging port, high adsorption removable core filter-drier, solenoid valve, sight glass with moisture-indicator, and reliable thermostatic expansion valves.
- Discharge line provided with manual compressor shut-off service valve (suction line shutoff valve optional). Suction line equipped with closed-cell insulation.
- Oil separators with Design Working Pressure of 450 PSIG (31 Bar) and U.L. listing are high efficiency, augmented gas impingement type to maximize oil extraction without fragile media to break down.
- Oil cooling provided by dedicated air cooled finned tube type heat exchanger located in the condenser section of the machine.

CONDENSER SECTION:

- Condenser Fans with low noise, full airfoil cross section for maximum efficiency, statically and dynamically balanced vibration free operation, and positioned in extended, formed steel orifices for low sound and maximum efficiency.
- Condenser fan motors are high efficiency, direct drive, 6-pole, 3-phase, Class-“F,” current overload protected, totally enclosed (TEAO) type with double sealed, permanently lubricated ball bearings.
- Fin and tube condenser coils of seamless, internally enhanced, high condensing coefficient, corrosion resistant copper tubes arranged in staggered rows.
- Fins are mechanically bonded to corrosion resistant aluminum alloy fins with full height fin collars. Design working pressure is 450 PSIG (31 Bar).

COMPLETE FACTORY PACKAGE:

- Each compressor is installed on its own independent refrigerant circuit, which is factory pressure tested, evacuated, then fully charged with refrigerant and oil.
- After assembly, an operational test is performed with water flowing through the cooler to ensure each circuit operates correctly.
- Cabinet and base frame are constructed of formed heavy gauge, galvanized steel.
- All external structural parts are covered with architecturally neutral “Desert Sand” (Munsell #10YR6-2) baked-on enamel powder paint. This provides a finish which, when subjected to ASTM B117, 500 hour, 5% salt spray conditions, shows breakdown of less than 1/8" either side of a scribed line (equivalent to ASTM D1654 rating of “6”).
- Design is in accordance with applicable sections of ASME Pressure Vessel Code, NFPA 70 (National Electrical Code), U.L. and cU.L.

Specifications (Continued)

Standards, and ASHRAE/ANSI-15 Safety Code for Mechanical Refrigeration.

- Units are Rated and Certified in accordance with ARI Standard 550/590-98.
- All exposed power wiring routed through liquid-tight, non-metallic conduit.

MICROPROCESSOR CONTROLS:

- Controls housed in a powder painted steel enclosure, equivalent to NEMA 3R/12 (IP55) powder painted steel cabinet with hinged, latched, and gasket sealed, door equipped with lockable, external emergency stop switch.
- Liquid crystal 40 character display with text provided on two lines and light emitting diode backlighting for outdoor viewing.
- Color coded, 32 button, sealed keypad with sections for Display, Entry, Setpoints, Clock, Print, Program and Unit On/Off.
- Standard controls include: brine chilling or thermal storage, automatic pump down, run signal contacts, demand load limit from external building automation system input, remote reset liquid temperature reset input, unit alarm contacts, evaporator pump control, automatic reset after power failure, automatic system optimization to match operating conditions, software stored in non-volatile memory (EPROM) to eliminate chiller failure due to AC power failure. Programmed setpoints retained in lithium battery backed RTC memory for a minimum 5 years.
- **DISPLAY** – In English (°F and PSIG) or Metric (°C and Bars) units, and for each circuit:
 - ♦ Return and leaving chilled liquid, and ambient temperature.
 - ♦ Day, date and time. Daily start/stop times. Holiday and Manual Override status.
 - ♦ Compressor operating hours and starts. Automatic or manual lead/lag. Lead compressor identification.
 - ♦ Run permissive status. No cooling load condition. Compressor run status.
 - ♦ Anti-recycle timer and anti-coincident start timer status per compressor.
 - ♦ System suction (and suction superheat), discharge, and oil pressures and temperatures.
 - ♦ Percent full load compressor motor current per phase and average per phase. Compressor capacity control valve input steps.
 - ♦ Cutout status and setpoints for: supply fluid temperature, low suction pressure, high discharge pressure and temperature, high oil temperature, low and high ambient, phase rotation safety, and low leaving liquid temperature.
- ♦ Unloading limit setpoints for high discharge pressure and compressor motor current.
- ♦ Liquid pull-down rate sensitivity (0.5°F to 5°F [0.3°C to 3°C] minute in 0.1°F increments).
- ♦ Status of: evaporator heater, condenser fans, load and unload timers, chilled water pump.
- ♦ “Out of range” message.
- ♦ Up to 6 fault shut down conditions.
- ♦ Standard Display Language is English, with *Options* for: French and Spanish.
- **ENTRY** – Enter setpoint changes, cancel inputs, advance day, change AM/PM.
- **SETPOINTS** – Chilled liquid temperature, chilled liquid range, remote reset temperature range.
- **CLOCK** – Time, daily or holiday start/stop schedule, manual override for servicing.
- **PRINT** – Operating data or system fault shutdown history for last six faults, and software version. Printouts through an RS-232 port via a separate printer (by others).
- **PROGRAM** –
 - ♦ Low leaving liquid temperature cutout, 300 to 600 second anti-recycle timer, lag compressor start time delay, average motor current unload point, liquid temperature setpoint reset signal from YORK ISN or building automation system (by others) via:
 - ❖ Pulse width modulated (PWM) input for up to 40°F (22°C) total reset as standard.
 - ❖ *Optional* Building Automation System interface input card for up to 40°F (22°C) reset using a: 4 to 20 milliamp, 0 to 10VDC input, or discrete (dry contact) reset input. **[NOTE:** The Standard MicroPanel can be directly connected to a YORK ISN Building Automation System via the standard on-board RS485 communication port. This Option also provides open system compatibility with other communications networks (BACNET™ & LONMARK™) via interface through standard 485 or 232 port and an external **YorkTalk Translator.**]
 - ♦ Additional functions (password protected) for programming by a qualified service technician:
 - ❖ Cut-outs for low and high ambient, low suction pressure, high discharge pressure, high oil temperature.
 - ❖ Refrigerant type.

- ❖ High discharge pressure unload setpoint.
- ❖ Fan control discharge pressure setpoint.
- ❖ Fan ON/OFF pressure differential.
- ❖ Compressor motor current percent limit.
- The Standard unit controls permit operation down to 0°F (-18°C) outdoor ambient temperature.

POWER PANEL:

- Power panel housed in NEMA 3R/12 (IP55) rain/dust tight, powder painted steel cabinets with hinged, latched, and gasket sealed outer doors equipped with wind struts for safer servicing. Two motor control center cabinets are provided, with independent doors and separated by a steel panel.
- Current transformers sense each phase, as an input to the microprocessor, to protect compressor motors from damage due to: low input current, high input current, unbalanced current, single phasing, phase reversal, and compressor locked rotor.
- Control circuit transformer provides 115V/1Ø power to the unit control system. Includes factory primary wiring via lockable disconnect on panel door separate from the motor control centers, and secondary wiring supply to the 24V, fused Microprocessor panel transformer via the panel mounted stop switch.
- Individual fan motor contactors and external overloads per condenser fan motor.
- Exposed compressor and fan motor power wiring routed through liquid tight conduit.

Accessories and Options

- **CONTROL CIRCUIT TERMINAL STRIP – (Models 0218 - 0418)** – Provides power input terminals for field provided power input in lieu of factory mounted control circuit transformer. 115V, 1Ø Control Circuit Power Terminal Strip located in the Microprocessor Panel to accept a field provided control power circuit with appropriate branch circuit protection in accordance with applicable Local and National codes. Provides unit control circuit power, including supply to the 24V, fused Microprocessor panel transformer.
- **CONTROL CIRCUIT TRANSFORMER (Models 0098 - 0208)** - Control circuit transformer provides 115V60/1Ø power to the unit control system.
- **COMPRESSOR POWER CONNECTIONS** – See Electrical Data on pages 94 through 105 for specific voltage and options availability. Separate external branch circuit protection and disconnecting means must be supplied by others in accordance with applicable Local and National codes. (Factory-mounted)
 - ① **Multiple Point Supply** – *Standard* field power wiring connection on all models is Multiple Point Power Connection to factory provided Terminal Blocks. Two field supplied electrical power circuits with appropriate branch circuit protection provide power to each of two motor control center cabinets, located adjacent to each other at one end of the chiller. Each cabinet contains starter elements for one or two compressors and their associated fan motor starters.

Optional to the Terminal Blocks for field power connection are Non-Fused Disconnects with external lockable handles, or (on two-compressor machines only) Circuit Breakers with external lockable handles. Also *optional* (on 3 and 4-compressor machines equipped with multiple point power supply) are individual system circuit breakers per each compressor with external lockable handles.
 - ② **Single Point Supply** – *Optional* to the Multiple Point power connection configurations are Single Point Supply arrangements. A wide variety of these single-point *Options* are offered to satisfy most any customer connection requirement:
 - ◆ **Single Point with Individual System Breakers** – These options consist of field connection to either a unit mounted Terminal Block, or a Non-Fused Disconnect Switch with external, lockable handle (in compliance with Article 440-14 of N.E.C., to isolate unit power supply for service). Factory wiring is provided from the Terminal Block or Disconnect Switch to factory supplied Individual System Circuit Breakers with external, lockable handles in each of the two compressor motor control centers.
 - ◆ **Single Point Supply** – Also optional (on two-compressor machines only) are Single Point Supply configurations for field connection of a single electrical circuit to: Terminal Block, Non-Fused Disconnect Switch with lockable external handle (in compliance with Article 440 of N.E.C., to isolate unit power supply for service), or Circuit Breaker with lockable external handle. Factory wiring is provided from the Terminal Block, Disconnect Switch, or Breaker directly to the starter components in each of the two compressor motor control centers.
- **STAR (WYE)-DELTA COMPRESSOR MOTOR STARTER** – Provides smooth starting and approximately 65% reduced inrush current compared to across the line type start. Two-compressor units equipped with any of the single-point power connection options and Star-Delta starters must also be equipped with Individual System Circuit Breakers option. Three- and four-compressor units with Star-Delta starters must also include Individual System Circuit Breakers option. (Factory-mounted) See Electrical Data (pages 94 to 105) for availability and coordination with individual system short circuit protection.
- **CONDENSER COIL PROTECTION** – Standard condenser coil construction materials include aluminum fins, copper tubes, and galvanized steel supports for generally good corrosion resistance. However, these materials are not adequate for all environments. The system designer can take steps to inhibit coil corrosion in harsh applications and enhance equipment life by choosing from these options based on project design parameters and related environmental factors. For additional application recommendations refer to Form 150.12-ES1. (Factory-mounted)
- **PRE-COATED CONDENSER COILS** – The air-cooled condenser coils are constructed of black epoxy-coated aluminum fins. This can provide corrosion resistance comparable to copper-fin coils in typical seashore locations. Either these or the post-coated coils (below), are recommended for units being installed at the seashore or where salt spray may hit the unit.
- **POST-COATED EPOXY CONDENSER COILS** – The unit is built with dipped-cured coated condenser coils. This is another choice for seashore and other corrosive applications (with the exception of strong alkalis, oxidizers and wet bromine, chlorine and fluorine in concentrations greater than 100 ppm).

- **COPPER FIN CONDENSER COILS** – The unit constructed with condenser coils which have copper fins. (This is not recommended for units in areas where they may be exposed to acid rain.)
- **SERVICE ISOLATION VALVE:** Service suction isolation valve added to unit per system (Factory Mounted)
- **DX COOLER OPTIONS:**
 - ♦ **300 PSIG (21 Bar) Waterside Design Working Pressure** – The DX Cooler Waterside is designed and constructed for 300 PSIG (21 Bar) working pressure. (Factory-mounted)
 - ♦ **1-1/2" Insulation** – Double thickness insulation provided for enhanced efficiency.
 - ♦ **Flange Accessory** – Consists of raised face flanges to convert grooved water nozzles to flanged cooler connections. Includes companion flanges. (Field-mounted)
 - ♦ **Flow Switch Accessory** – Vapor-proof SPDT, NEMA 4X switch, 150 PSIG (10.3 Bar) DWP, -20°F to 250°F (-29°C to 121°C), with 1" NPT (IPS) connection for upright mounting in horizontal pipe. (This flow switch or equivalent must be furnished with each unit). (Field-mounted)
- **BUY AMERICAN ACT COMPLIANCE** - In keeping with the "Buy America Act", products will be comprised of 50% U.S. content and manufactured (final assembly) in the U.S.A.
- **CONTAINERIZATION SHIPPING KIT** - Additional factory fitted components for added unit strength. For container shipping on Models 0098 - 0208 only (Factory Installed).
- **VIBRATION ISOLATION:**
 - ♦ **Neoprene Isolation** – Recommended for normal installations. Provides very good performance in most applications for the least cost. (Field-mounted)
 - ♦ **1" Spring Isolators** – Level adjustable, spring and cage type isolators for mounting under the unit base rails. 1" nominal deflection may vary slightly by application. (Field-mounted)
 - ♦ **2" Seismic Spring Isolators** – Restrained Spring-Flex Mountings incorporate a rugged welded steel housing with vertical and horizontal limit stops. Housings designed to withstand a minimum 1.0g accelerated force in all directions to 2". Level adjustable, deflection may vary slightly by application. (Field-mounted)
- **ALTERNATIVE CHILLED FLUID APPLICATIONS:** *Standard* water chilling application range is 40°F to 55°F (4°C to 13°C) Leaving Chilled Water Temperature. To protect against nuisance safety trips below 40°F (4°C) and reduce the possibility of cooler damage due to freezing during chiller operation, the unit Microprocessor automatically unloads the compressors at abnormally low suction temperature (pressure) conditions, prior to a safety shut down.
 - ♦ **Process Brine Option** – Process or other applications requiring chilled fluid below 40°F (4°C) risk water freezing in the evaporator, typically overcome by using antifreeze. For these applications, the system incorporates brine (ethylene or propylene glycol solution), and the system design Leaving Chilled Fluid Temperature must be provided on the order form to ensure proper factory configuration. Liquid injection included with this option.
 - ♦ **Thermal Storage Option** – Thermal Storage requires special capabilities from a chiller, including the ability to 'charge' an ice storage tank, then possibly automatically reset for operation at elevated Leaving Chilled Fluid Temperatures as required by automatic building controls. The Thermal Storage Option provides Ice Storage duty Leaving Chilled Fluid setpoints from 25°F to 15°F (-4°C to -10°C) minimum during charge cycle, with a Reset range of 40°F (22.2°C) supply fluid temperature. Liquid injection included with this option.
- **UNIT ENCLOSURES –**
 - ♦ **Wire Panel Enclosure (Full Unit)** – UV stabilized black polyvinylchloride coated, heavy gauge, welded wire mesh guards mounted on the exterior of the unit. Protects condenser coil faces and deters unauthorized access to refrigerant components (compressors, pipes, cooler, etc.), yet provides free air flow. This can cut installation cost by eliminating the need for separate, expensive fencing. (Factory-mounted)
 - ♦ **Louvered Panel Enclosure (Full Unit)** – Heavy gauge louver panels, galvanized and painted just as the main unit cabinet, provide liberal free air flow area. Cover coils and around the bottom of the unit to protect condenser coils, visually screen mechanical elements, and deters unauthorized access to refrigerant components. (Factory-mounted)
 - ♦ **Louvered Panels (Condenser Coil Only)** – Louvered panels are mounted over the exterior condenser coil faces on the sides of the unit to visually screen and protect coils. (Factory-mounted)
 - ♦ **Louvered (Condensers) /Wire (Mechanicals)** – Louvered panels mounted over the exterior condenser coil faces, and heavy gauge welded wire mesh guards mounted around the bottom of the unit. Visually screens and protects coils, and

Accessories and Options (Continued)

- prevents unauthorized access to refrigerant components. (Factory-mounted)
- **HIGH STATIC FANS:** Fans and motors suitable for High External Static conditions to 0.4 inches of water (100Pa). Since these require higher power motors and therefore slightly reduce chiller efficiency, select only if the installation conditions will impose additional air flow resistance resulting from such things as field installed: ducts, filters, sound enclosures, or similar obstructions to airflow. Contact the factory for performance or electrical implications.
 - **SOUND REDUCTION OPTIONS:** Standard unit includes acoustically tuned, internal discharge gas muffler to eliminate objectionable compressor noise. For additional sound reduction, one or both options may be employed by the system designer as normally generated machine noise is considered in the overall project design. See Form 201.18-ES1 for additional information.
 - ◆ **Low Speed Fans** – With this option, the basic chiller is equipped with 8-pole condenser fan motors in lieu of the standard 6-pole motors, plus special fans matched to these optional slower motors to retain appropriate airflow. The net result is reduced fan generated noise with no adverse effect on the chiller capacity or efficiency performance.
 - ◆ **Compressor Sound Blanket** - Black, high-strength, rip-resistant, two-piece acoustic compressor sound blanket, offering 1dBa overall “A” weighted unit sound power reduction when fitted with the Low Noise fan option and the Condenser Perimeter Panel Enclosure. Material is both UV and mildew protected, waterproof and fire resistant (meeting California fire marshal flame specification) (Factory Fit Option)
 - ◆ **Compressor Perimeter Panel Enclosures** – Compressor acoustically treated to attenuate noise. NOTE: May ship separately from unit (Field Mounted).
 - **REMOTE CONTROL PANEL AND WALL ADAPTER:** See Form 201.18-SG2 for more information. (Only one of the following options can be offered on a unit at one time: BAS, Remote Control Panel, or Multi-Unit Sequence Control). (Factory-mounted)
 - **MULTI-UNIT SEQUENCE CONTROL:** A separate sequencing control center is provided to handle sequencing control of up to 8 chillers in parallel based on mixed liquid temperature (interconnecting wiring by others). See Form 150.00-SG2 for more information. (Only one of the following options can be offered on a unit at a time: BAS, Remote Control Panel, or Multi-Unit Sequence Control). (Factory-mounted)
 - **BUILDING AUTOMATION SYSTEM (BAS) INTERFACE** – Provides means to reset the leaving chilled liquid temperature or percent full load amps (current limiting) from the BAS (Factory-mounted):
 - ◆ Printed circuit board to accept 4 to 20 milliamp, 0 to 10VDC, or dry contact closure input from the BAS.
 - ◆ A YORK **ISN** Building Automation System can provide a Pulse Width Modulated (PWM) signal direct to the standard control panel via the standard on-board RS485 port.

Temperatures and Flows

ENGLISH UNITS

MODEL NUMBER YCAS	LEAVING WATER TEMPERATURE (°F)		COOLER FLOW (GPM) ³		AIR ON CONDENSER (°F)	
	MIN. ¹	MAX. ²	MIN.	MAX.	MIN.	MAX.
0098	40	55	141	403	0	125
0118	40	55	141	403	0	125
0128	40	55	180	768	0	125
0138	40	55	141	403	0	125
0148	40	55	180	768	0	125
0158	40	55	180	768	0	125
0178	40	55	180	768	0	125
0198	40	55	180	768	0	125
0208	40	55	180	768	0	125
0218	40	50	318	1072	0	125
0248	40	50	318	1072	0	125
0268	40	50	318	1072	0	125
0288	40	50	415	1205	0	125
0308	40	50	415	1205	0	125
0328	40	50	415	1205	0	125
0358	40	50	530	1601	0	125
0398	40	50	530	1601	0	125
0418	40	50	530	1601	0	125

NOTES:

1. For leaving brine temperature below 40°F, contact your nearest YORK office for application requirements.
2. For leaving water temperature higher than 5.5°F, contact the nearest YORK office for application guidelines.
3. The evaporator is protected against freeze-up to -20°F with an electrical heater as standard.

SI UNITS

MODEL NUMBER YCAS	LEAVING WATER TEMPERATURE (°C)		COOLER FLOW (L/S) ³		AIR ON CONDENSER (°C)	
	MIN. ¹	MAX. ²	MIN.	MAX.	MIN.	MAX.
0098	4.4	12.8	8.9	25.4	-17.7	50
0118	4.4	12.8	8.9	25.4	-17.7	50
0128	4.4	12.8	11.3	48.5	-17.7	50
0138	4.4	12.8	8.9	25.4	-17.7	50
0148	4.4	12.8	11.3	48.5	-17.7	50
0158	4.4	12.8	11.3	48.5	-17.7	50
0178	4.4	12.8	11.3	48.5	-17.7	50
0198	4.4	12.8	11.3	48.5	-17.7	50
0208	4.4	12.8	11.3	48.5	-17.7	50
0218	4.4	12.8	20.0	67.6	-17.7	50
0248	4.4	12.8	20.0	67.6	-17.7	50
0268	4.4	12.8	20.0	67.6	-17.7	50
0288	4.4	12.8	26.0	76.0	-17.7	50
0308	4.4	12.8	26.0	76.0	-17.7	50
0328	4.4	12.8	26.0	76.0	-17.7	50
0358	4.4	12.8	34.0	101.0	-17.7	50
0398	4.4	12.8	34.0	101.0	-17.7	50
0418	4.4	12.8	34.0	101.0	-17.7	50

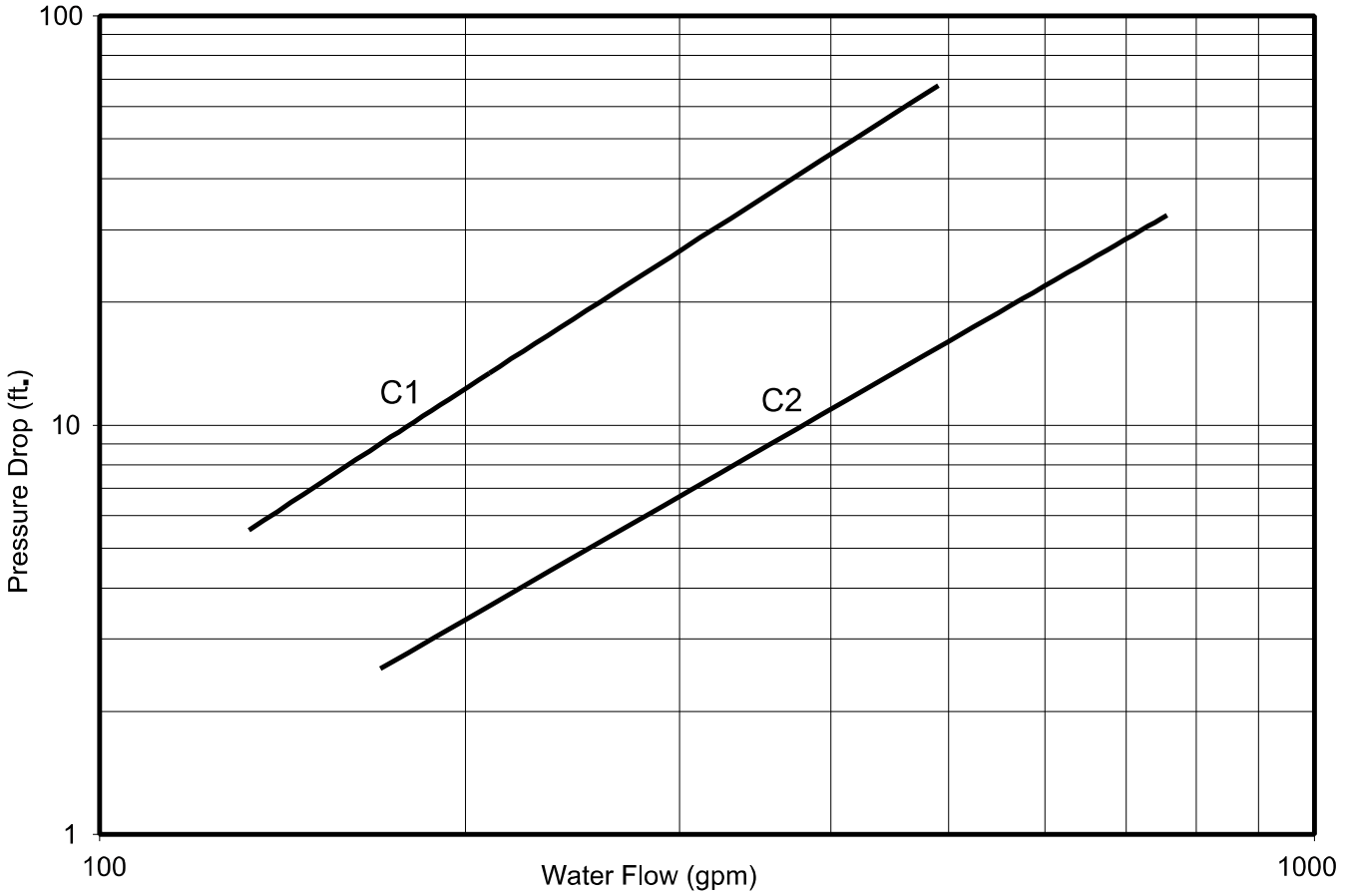
NOTES:

1. For leaving brine temperature below 5°C, contact your nearest YORK office for application requirements.
2. For leaving water temperature higher than 13°C, contact the nearest YORK office for application guidelines.
3. The evaporator is protected against freeze-up to -28.8°C with an electrical heater as standard.

Water Pressure Drop (English Units)

ENGLISH UNITS

WATER PRESSURE DROP – 2 COMPRESSOR UNITS

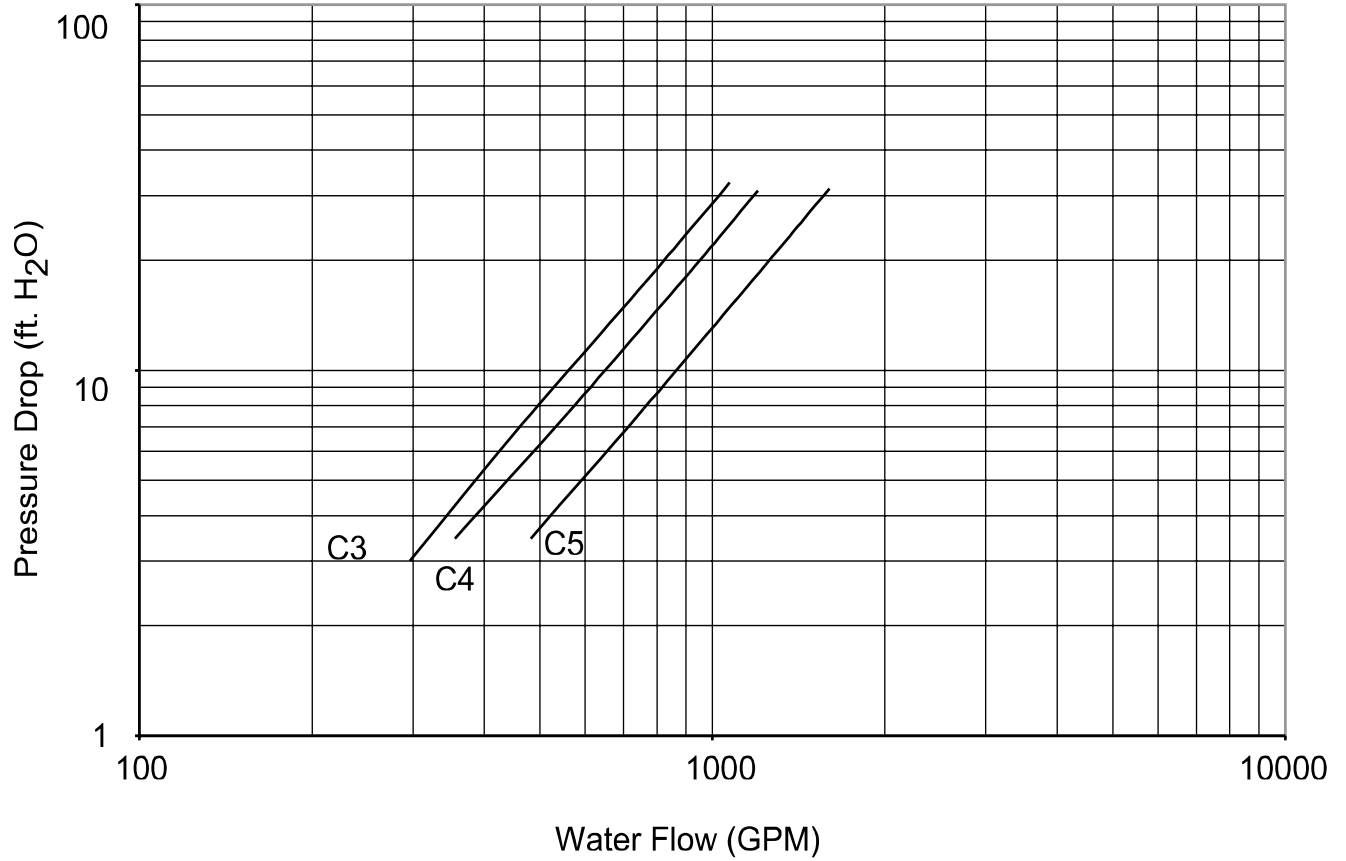


LD05825

MODEL NUMBER YCAS	COOLER
0098, 0118, 0138	C1
0128, 0148, 0158, 0178, 0198, 0208	C2

ENGLISH UNITS

WATER PRESSURE DROP - 3 & 4 COMPRESSOR UNITS



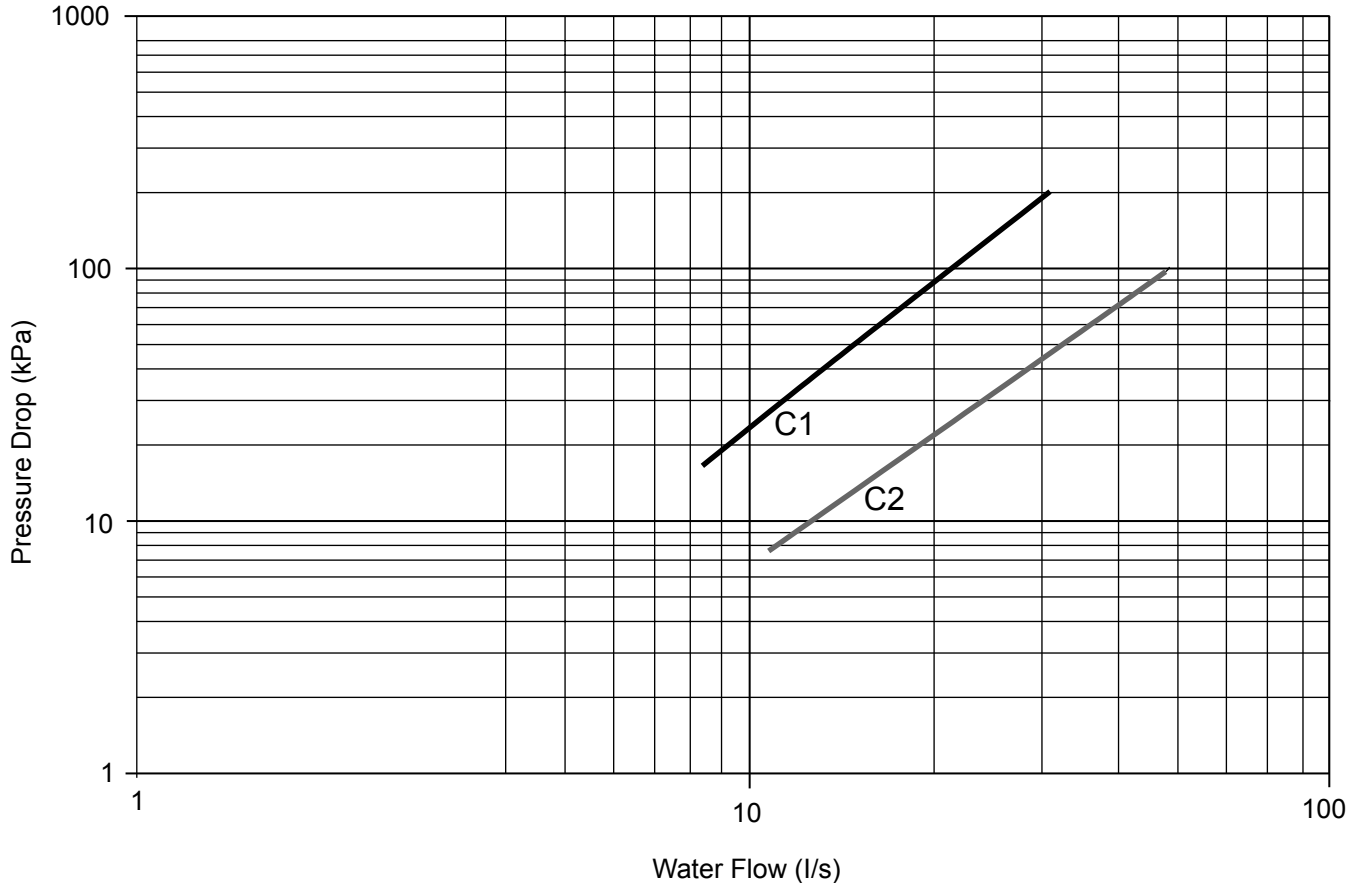
LD06102

MODEL NUMBER YCAS	COOLER
0218, 0248, 0268	C3
0288, 0308, 0328	C4
0358, 0398, 0418	C5

Water Pressure Drop (SI Units)

SI UNITS

WATER PRESSURE DROP – 2 COMPRESSOR UNITS

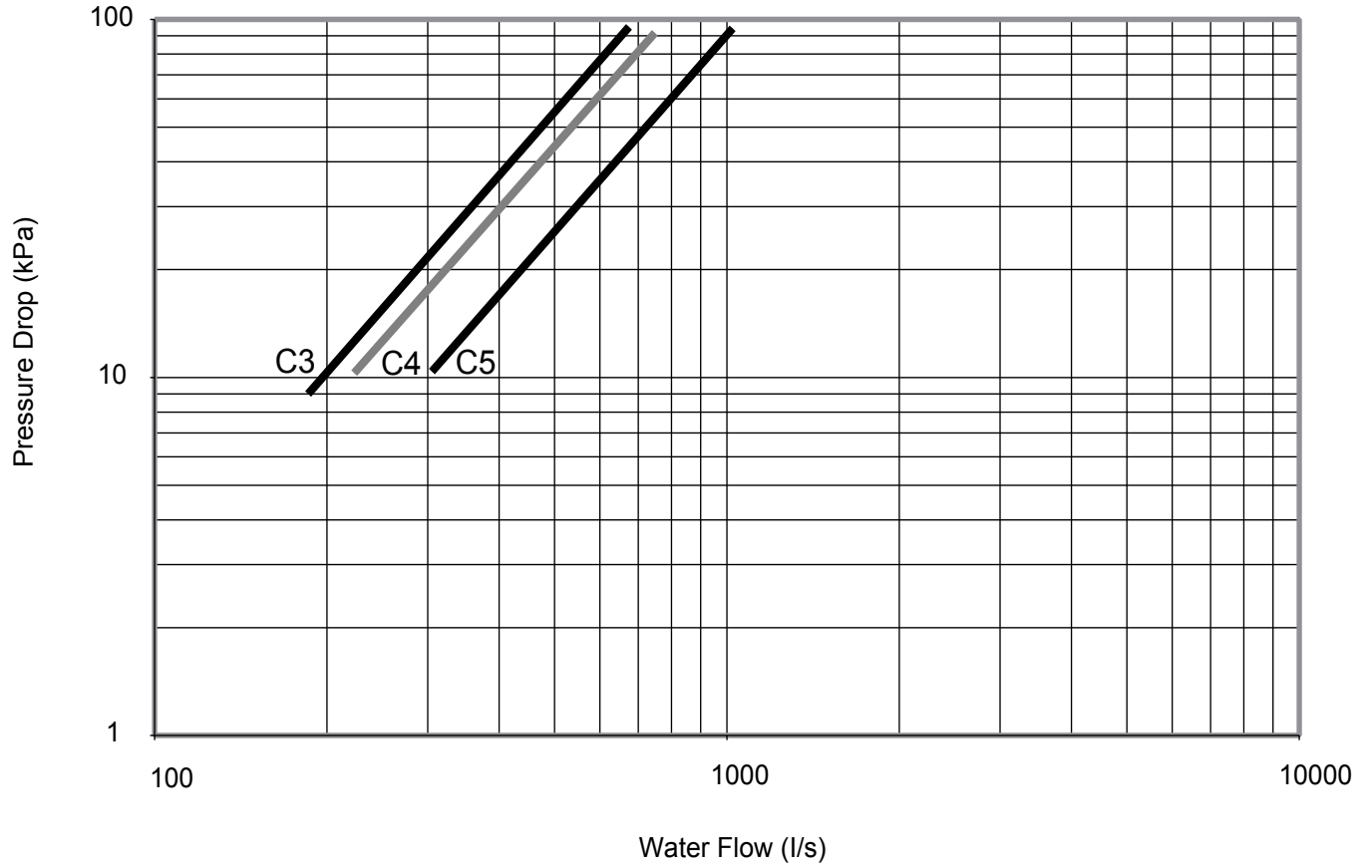


LD05884

MODEL NUMBER YCAS	COOLER
0098, 0118, 0138	C1
0128, 0148, 0158, 0178, 0198, 0208	C2

SI UNITS

WATER PRESSURE DROP – 3 & 4 COMPRESSOR UNITS



LD06103

MODEL NUMBER YCAS	COOLER
0218, 0248, 0268	C3
0288, 0308, 0328	C4
0358, 0398, 0418	C5

Ratings – R-407C Optimized (English Units)

LCWT (°F)	AIR TEMPERATURE ON CONDENSER (°F)														
	75			80			85			90			95		
	TONS	kW	EER	TONS	kW	EER	TONS	kW	EER	TONS	kW	EER	TONS	kW	EER

MODEL YCAS0098EB (IPLV = 13.2)

40.0	93.2	72.6	13.4	90.5	77.4	12.3	87.5	82.7	11.2	84.4	88.4	10.2	81.3	94.5	9.3
42.0	96.1	72.5	13.9	93.6	77.2	12.8	90.6	82.4	11.7	87.4	88.1	10.6	84.3	94.2	9.6
44.0	99.2	72.3	14.3	96.7	77.0	13.2	93.7	82.2	12.1	90.5	87.9	11.0	87.3	93.9	10.0
45.0	100.9	72.2	14.6	98.2	76.9	13.4	95.3	82.1	12.3	92.0	87.8	11.2	88.8	93.8	10.2
46.0	102.5	72.1	14.8	99.8	76.9	13.7	96.8	82.0	12.5	93.6	87.7	11.4	90.3	93.7	10.4
48.0	105.9	71.9	15.4	102.8	76.7	14.1	99.9	81.9	12.9	96.7	87.6	11.8	93.4	93.5	10.7
50.0	109.3	71.8	15.9	105.9	76.7	14.5	103.1	81.8	13.4	99.8	87.4	12.2	96.5	93.4	11.1
52.0	112.7	71.6	16.4	108.9	76.5	15.0	106.3	81.7	13.8	103.0	87.3	12.6	99.6	93.4	11.5
55.0	117.9	71.4	17.2	114.1	76.3	15.7	111.0	81.6	14.4	107.9	87.3	13.2	104.4	93.3	12.0

MODEL YCAS0118EB (IPLV = 12.2)

40.0	114.5	93.5	13.2	110.9	99.9	12.0	107.1	106.8	10.9	103.3	114.2	9.9	99.5	122.1	9.0
42.0	118.3	93.8	13.6	114.7	100.2	12.4	110.8	107.0	11.3	106.9	114.4	10.2	103.1	122.4	9.3
44.0	122.1	94.1	14.0	118.4	100.5	12.8	114.6	107.3	11.6	110.6	114.7	10.6	106.7	122.6	9.6
45.0	124.1	94.2	14.2	120.4	100.6	13.0	116.5	107.4	11.8	112.5	114.8	10.7	108.5	122.7	9.8
46.0	126.1	94.4	14.4	122.3	100.7	13.2	118.4	107.6	12.0	114.3	115.0	10.9	110.4	122.8	9.9
48.0	130.2	94.6	14.8	126.1	101.0	13.5	122.2	107.9	12.3	118.1	115.3	11.2	114.1	123.1	10.2
50.0	134.2	94.9	15.2	129.9	101.3	13.9	126.0	108.2	12.7	121.9	115.6	11.6	117.9	123.4	10.5
52.0	138.4	95.1	15.7	133.8	101.6	14.3	129.9	108.5	13.1	125.8	115.9	11.9	121.7	123.7	10.9
55.0	144.5	95.5	16.3	140.0	102.0	14.9	135.8	109.0	13.6	131.7	116.4	12.4	127.5	124.3	11.3

MODEL YCAS0128EB (IPLV = 13.9)

40.0	121.4	85.7	14.5	117.0	91.5	13.3	113.1	97.7	12.1	108.4	105.4	10.8	105.0	111.7	10.0
42.0	125.5	85.8	15.0	121.1	91.5	13.7	116.5	98.5	12.4	112.9	104.4	11.4	108.8	111.7	10.4
44.0	129.1	86.3	15.4	124.7	92.1	14.0	120.5	98.4	12.8	116.8	104.5	11.8	112.1	112.5	10.6
45.0	131.3	86.2	15.7	126.8	92.1	14.3	122.5	98.4	13.0	118.8	104.5	12.0	114.5	111.6	10.9
46.0	133.4	86.2	15.9	128.9	92.0	14.5	124.5	98.3	13.3	120.3	105.1	12.1	116.1	112.3	11.0
48.0	137.6	86.1	16.4	133.2	91.9	15.0	128.5	98.3	13.7	124.4	105.0	12.5	120.0	112.3	11.4
50.0	141.9	86.0	17.0	137.5	91.9	15.5	132.8	98.2	14.1	128.4	105.0	12.9	124.1	112.2	11.8
52.0	146.2	85.9	17.5	141.7	91.8	16.0	137.0	98.2	14.6	132.5	105.0	13.3	128.1	112.2	12.1
55.0	149.1	85.8	17.8	148.2	91.7	16.8	143.5	98.2	15.3	138.6	105.0	13.9	134.3	112.3	12.7

NOTES:

1. kW = Compressor Input Power
2. EER = Chiller EER (includes power from compressors, fans, and control panels 0.8 kW)
3. LCWT = Leaving Chilled Water Temperature
4. Ratings based on 2.4 GPM cooler water per ton
5. Rated in accordance with ARI Standard 550/590-98
6. Shaded Ratings certified in accordance with ARI Standard 550/590-98 up to 200 tons.

LCWT (°F)	AIR TEMPERATURE ON CONDENSER (°F)																	
	100			105			110			115			120			125		
	TONS	KW	EER	TONS	KW	EER	TONS	KW	EER	TONS	KW	EER	TONS	KW	EER	TONS	KW	EER

MODEL YCAS0098EB

40.0	78.4	101.1	8.4	75.4	108.1	7.6	72.6	115.6	6.9	69.9	123.5	6.3	67.5	131.7	5.7	55.3	121.6	5.0
42.0	81.3	100.7	8.7	78.3	107.7	7.9	75.4	115.1	7.2	72.7	122.8	6.5	70.1	130.9	5.9	56.6	119.1	5.2
44.0	84.2	100.4	9.1	81.1	107.4	8.2	78.2	114.5	7.5	75.5	122.2	6.8	72.8	130.2	6.2	57.7	116.6	5.4
45.0	85.7	100.3	9.3	82.6	107.1	8.4	79.7	114.3	7.6	76.9	121.9	6.9	74.2	129.8	6.3	58.3	115.5	5.5
46.0	87.1	100.2	9.4	84.1	107.0	8.6	81.1	114.2	7.8	78.3	121.7	7.1	75.6	129.5	6.5	58.8	114.3	5.6
48.0	90.2	100.0	9.8	87.1	106.7	8.9	84.0	113.8	8.1	81.1	121.3	7.4	78.4	129.0	6.7	59.9	112.2	5.8
50.0	93.2	99.8	10.1	90.1	106.5	9.2	87.0	113.6	8.4	84.0	120.9	7.7	80.1	126.7	7.0	60.8	110.1	6.0
52.0	96.3	99.7	10.5	93.1	106.4	9.5	90.0	113.4	8.7	87.0	120.6	7.9	80.9	123.6	7.2	61.7	108.2	6.2
55.0	101.0	99.7	11.0	97.8	106.3	10.0	94.6	113.3	9.1	91.5	120.5	8.4	83.3	120.7	7.6	63.0	105.6	6.5

MODEL YCAS0118EB

40.0	95.9	130.6	8.1	92.4	139.5	7.4	89.1	149.1	6.7	84.9	157.1	6.1	73.1	149.7	5.5	56.7	135.4	4.7
42.0	99.4	130.7	8.4	95.8	139.6	7.6	92.4	149.1	6.9	87.2	154.9	6.3	75.1	147.9	5.7	57.8	133.2	4.8
44.0	103.0	130.9	8.7	99.3	139.8	7.9	95.8	149.2	7.2	89.4	152.8	6.6	77.1	146.1	5.9	58.8	131.0	5.0
45.0	104.7	131.1	8.9	101.1	139.9	8.1	97.6	149.2	7.3	90.5	151.7	6.7	78.1	145.3	6.0	59.3	129.9	5.1
46.0	106.6	131.1	9.0	102.9	140.0	8.2	99.3	149.3	7.4	91.6	150.7	6.8	79.1	144.5	6.1	59.7	128.9	5.1
48.0	110.2	131.4	9.3	106.4	140.2	8.5	102.8	149.4	7.7	93.8	148.7	7.1	81.1	142.9	6.3	60.7	126.9	5.3
50.0	113.9	131.7	9.6	110.1	140.4	8.7	106.4	149.6	8.0	96.0	146.9	7.3	82.5	140.6	6.5	61.5	125.0	5.4
52.0	117.6	132.0	9.9	113.8	140.7	9.0	110.0	149.9	8.2	98.1	145.1	7.6	83.4	137.9	6.7	62.3	123.2	5.6
55.0	123.3	132.5	10.3	119.4	141.2	9.4	114.4	148.4	8.6	101.4	142.8	7.9	85.4	134.8	7.0	63.5	120.7	5.8

MODEL YCAS0128EB

40.0	100.4	120.6	8.9	96.7	128.9	8.1	93.1	137.7	7.3	89.6	147.0	6.7	86.4	156.8	6.1	74.7	151.6	5.4
42.0	104.2	120.4	9.3	100.3	128.7	8.4	96.6	137.4	7.6	93.1	146.6	6.9	89.9	156.3	6.3	76.9	149.6	5.6
44.0	108.0	120.2	9.6	104.6	127.5	8.8	100.3	137.1	7.9	96.7	146.2	7.2	93.3	155.8	6.6	79.1	147.7	5.9
45.0	110.0	120.1	9.8	106.4	127.4	9.0	102.1	137.0	8.1	98.5	146.1	7.4	95.1	155.6	6.7	80.1	146.8	6.0
46.0	111.9	120.1	10.0	107.9	128.2	9.1	104.0	136.9	8.2	100.3	145.9	7.5	96.8	155.4	6.8	81.2	145.9	6.1
48.0	115.8	120.0	10.3	111.7	128.1	9.4	107.7	136.7	8.6	104.0	145.7	7.8	98.9	152.9	7.1	82.7	143.5	6.3
50.0	119.7	119.9	10.7	115.5	128.0	9.7	111.5	136.6	8.9	107.6	145.6	8.1	101.5	151.1	7.4	83.6	140.6	6.5
52.0	123.7	119.9	11.1	119.4	128.0	10.1	115.3	136.5	9.2	111.4	145.5	8.4	103.9	149.1	7.6	85.4	138.8	6.7
55.0	129.8	120.0	11.6	125.4	128.1	10.6	121.1	136.6	9.6	117.1	145.5	8.8	107.4	146.4	8.0	88.1	136.2	7.0

NOTES:

1. kW = Compressor Input Power
2. EER = Chiller EER (includes power from compressors, fans, and control panels 0.8 kW)
3. LCWT = Leaving Chilled Water Temperature
4. Ratings based on 2.4 GPM cooler water per ton
5. Rated in accordance with ARI Standard 550/590-98
6. Shaded Ratings certified in accordance with ARI Standard 550/590-98 up to 200 tons.

Ratings – R-407C Optimized (English Units, continued)

LCWT (°F)	AIR TEMPERATURE ON CONDENSER (°F)														
	75			80			85			90			95		
	TONS	kW	EER	TONS	kW	EER	TONS	kW	EER	TONS	kW	EER	TONS	kW	EER

MODEL YCAS0138EB (IPLV = 13.6)

40.0	134.0	103.7	13.6	129.6	110.9	12.4	125.2	118.6	11.3	120.8	126.9	10.3	116.5	135.8	9.3
42.0	138.5	104.1	14.0	134.1	111.5	12.8	129.6	119.1	11.7	125.1	127.4	10.6	120.7	136.2	9.6
44.0	143.0	104.5	14.4	138.7	111.8	13.2	134.1	119.5	12.0	129.5	127.7	10.9	126.8	136.8	10.1
45.0	145.2	104.7	14.6	141.0	112.0	13.4	136.3	119.7	12.2	131.7	127.9	11.1	127.2	136.8	10.1
46.0	147.5	104.9	14.8	143.3	112.1	13.6	138.6	119.9	12.4	133.9	128.1	11.3	129.3	136.9	10.3
48.0	152.0	105.2	15.3	147.8	112.4	14.0	143.2	120.2	12.8	138.4	128.5	11.6	133.7	137.3	10.6
50.0	156.5	105.5	15.7	152.4	112.8	14.4	147.8	120.5	13.1	142.9	128.8	12.0	138.2	137.6	10.9
52.0	161.0	105.8	16.1	157.0	113.0	14.8	152.5	120.8	13.5	147.5	129.1	12.3	142.7	137.9	11.2
55.0	168.5	106.1	16.8	164.0	113.4	15.4	159.5	121.2	14.1	154.5	129.5	12.9	149.6	138.3	11.8

MODEL YCAS0148EB (IPLV = 14.2)

40.0	140.9	104.3	14.2	136.0	111.5	13.0	131.1	119.2	11.8	126.3	127.5	10.7	121.7	136.3	9.7
42.0	145.5	104.7	14.7	140.7	111.9	13.4	135.7	119.6	12.1	130.8	127.9	11.0	126.1	136.7	10.0
44.0	150.2	105.1	15.1	145.4	112.3	13.8	140.3	120.0	12.5	135.3	128.2	11.4	130.5	137.0	10.3
45.0	152.5	105.3	15.3	147.7	112.4	14.0	142.6	120.2	12.7	137.6	128.4	11.6	132.7	137.2	10.5
46.0	154.9	105.4	15.5	150.1	112.6	14.2	145.0	120.3	12.9	139.9	128.6	11.7	134.9	137.3	10.7
48.0	159.5	105.7	15.9	154.9	112.9	14.6	149.7	120.6	13.3	144.5	128.9	12.1	139.5	137.7	11.0
50.0	164.5	105.9	16.4	159.7	113.2	15.0	154.4	120.9	13.7	149.2	129.2	12.5	144.0	138.0	11.3
52.0	169.6	106.1	16.9	164.4	113.4	15.4	159.3	121.2	14.1	153.9	129.5	12.8	148.7	138.3	11.7
55.0	177.0	106.6	17.6	171.6	113.7	16.1	166.5	121.6	14.7	161.1	129.9	13.4	155.7	138.7	12.2

MODEL YCAS0158EB (IPLV = 13.2)

40.0	157.3	124.6	13.6	151.8	133.0	12.4	146.4	142.2	11.2	141.1	152.0	10.2	135.9	162.5	9.2
42.0	162.4	125.4	13.9	156.9	133.8	12.7	151.4	142.9	11.5	146.0	152.7	10.5	140.7	163.2	9.5
44.0	167.6	126.0	14.3	162.1	134.5	13.1	156.4	143.6	11.9	150.9	153.4	10.8	145.5	163.8	9.8
45.0	170.2	126.3	14.5	164.6	134.8	13.2	159.0	143.9	12.1	153.4	153.7	11.0	148.0	164.1	9.9
46.0	172.8	126.6	14.7	167.2	135.2	13.4	161.5	144.2	12.2	155.9	154.1	11.1	151.1	164.6	10.1
48.0	178.2	127.2	15.1	172.5	135.8	13.8	166.7	144.8	12.6	161.0	154.6	11.4	155.4	165.0	10.4
50.0	183.5	127.7	15.5	177.7	136.3	14.1	171.9	145.5	12.9	166.1	155.2	11.8	160.4	165.6	10.7
52.0	189.0	128.2	15.9	183.0	136.9	14.5	177.2	146.1	13.2	171.2	155.9	12.1	165.5	166.2	11.0
55.0	197.3	129.1	16.5	191.0	137.7	15.1	185.1	147.0	13.8	179.0	156.8	12.5	173.1	167.3	11.4

NOTES:

1. kW = Compressor Input Power
2. EER = Chiller EER (includes power from compressors, fans, and control panels 0.8 kW)
3. LCWT = Leaving Chilled Water Temperature
4. Ratings based on 2.4 GPM cooler water per ton
5. Rated in accordance with ARI Standard 550/590-98
6. Shaded Ratings certified in accordance with ARI Standard 550/590-98 up to 200 tons.

LCWT (°F)	AIR TEMPERATURE ON CONDENSER (°F)																	
	100			105			110			115			120			125		
	TONS	KW	EER	TONS	KW	EER	TONS	KW	EER	TONS	KW	EER	TONS	KW	EER	TONS	KW	EER

MODEL YCAS0138EB

40.0	112.3	145.3	8.4	108.2	155.4	7.6	104.3	166.1	6.9	100.6	177.3	6.3	97.1	189.2	5.7	78.6	173.3	5.0
42.0	116.4	145.7	8.7	112.2	155.7	7.9	108.2	166.3	7.2	104.5	177.5	6.5	100.9	189.3	5.9	80.2	170.5	5.2
44.0	120.7	146.0	9.0	116.4	156.0	8.2	112.3	166.5	7.4	108.4	177.6	6.8	104.7	189.3	6.2	81.6	167.7	5.4
45.0	122.8	146.2	9.2	118.5	156.1	8.3	114.3	166.6	7.6	110.4	177.7	6.9	106.7	189.4	6.3	82.3	166.4	5.5
46.0	124.9	146.3	9.3	120.6	156.2	8.5	116.4	166.7	7.7	112.4	177.8	7.0	108.7	189.4	6.4	83.0	165.1	5.6
48.0	129.2	146.6	9.6	124.8	156.5	8.8	120.5	167.0	8.0	116.5	178.0	7.3	112.5	189.3	6.6	84.3	162.4	5.7
50.0	133.6	146.9	9.9	129.1	156.8	9.1	124.7	167.2	8.2	120.6	178.2	7.5	113.7	184.9	6.8	85.6	159.9	5.9
52.0	138.0	147.2	10.2	133.5	157.1	9.3	129.0	167.5	8.5	124.8	178.4	7.8	115.8	182.0	7.1	86.8	157.4	6.1
55.0	144.7	147.7	10.7	140.1	157.5	9.8	135.5	167.9	8.9	131.2	178.7	8.1	118.1	176.8	7.4	88.6	153.9	6.3

MODEL YCAS0148EB

40.0	117.2	145.7	8.8	112.8	155.7	8.0	108.7	166.3	7.2	104.7	177.5	6.5	101.0	189.3	6.0	80.0	170.7	5.2
42.0	121.4	146.1	9.1	117.0	156.0	8.2	112.7	166.5	7.5	108.7	177.6	6.8	104.9	189.3	6.2	81.5	167.9	5.4
44.0	125.8	146.4	9.4	121.2	156.3	8.5	116.9	166.8	7.7	112.8	177.8	7.0	108.9	189.4	6.4	82.9	165.2	5.5
45.0	128.0	146.5	9.5	123.3	156.4	8.7	119.0	166.9	7.9	114.8	177.9	7.2	110.9	189.5	6.5	83.6	163.9	5.6
46.0	130.2	146.7	9.7	125.5	156.5	8.8	121.1	167.0	8.0	116.9	178.0	7.3	112.6	189.0	6.6	84.2	162.6	5.7
48.0	134.6	147.0	10.0	129.8	156.8	9.1	125.3	167.2	8.3	121.0	178.2	7.5	113.8	184.6	6.9	85.5	160.1	5.9
50.0	139.1	147.3	10.3	134.2	157.1	9.4	129.6	167.5	8.6	125.2	178.4	7.8	115.9	181.8	7.1	86.7	157.6	6.0
52.0	143.6	147.6	10.6	138.7	157.4	9.7	134.0	167.8	8.8	129.5	178.6	8.0	117.5	178.4	7.3	87.9	155.2	6.2
55.0	150.5	148.1	11.1	145.5	157.9	10.1	140.6	168.2	9.2	136.0	179.0	8.4	119.6	173.3	7.6	89.6	151.8	6.5

MODEL YCAS0158EB

40.0	130.9	173.6	8.4	126.1	185.4	7.6	121.5	198.0	6.9	117.2	211.2	6.2	104.0	206.4	5.7	79.4	183.6	4.8
42.0	135.6	174.2	8.6	130.7	186.0	7.8	126.0	198.5	7.1	121.6	211.6	6.5	106.8	204.3	5.9	80.8	180.8	5.0
44.0	140.3	174.8	8.9	135.3	186.6	8.1	130.5	199.0	7.3	125.6	211.1	6.7	109.5	202.4	6.1	82.0	178.1	5.1
45.0	142.7	175.1	9.0	137.6	186.9	8.2	132.8	199.2	7.5	127.0	209.7	6.8	110.9	201.5	6.2	82.7	176.8	5.2
46.0	145.1	175.4	9.2	140.0	187.1	8.3	135.1	199.5	7.6	128.4	208.4	6.9	112.1	200.3	6.3	83.3	175.5	5.3
48.0	150.0	176.0	9.5	144.8	187.7	8.6	139.8	200.0	7.8	131.6	206.3	7.2	113.4	196.3	6.5	84.4	173.0	5.4
50.0	154.9	176.6	9.7	149.6	188.3	8.9	144.5	200.6	8.1	134.5	204.0	7.4	115.1	193.1	6.7	85.5	170.5	5.5
52.0	159.9	177.3	10.0	154.5	188.9	9.1	149.3	201.1	8.3	137.5	201.8	7.6	116.5	189.7	6.9	86.6	168.2	5.7
55.0	167.4	178.2	10.4	161.9	189.8	9.5	156.6	202.0	8.7	141.8	198.7	8.0	118.5	184.8	7.1	88.1	164.8	5.9

NOTES:

1. kW = Compressor Input Power
2. EER = Chiller EER (includes power from compressors, fans, and control panels 0.8 kW)
3. LCWT = Leaving Chilled Water Temperature
4. Ratings based on 2.4 GPM cooler water per ton
5. Rated in accordance with ARI Standard 550/590-98
6. Shaded Ratings certified in accordance with ARI Standard 550/590-98 up to 200 tons.

Ratings – R-407C Optimized (English Units, continued)

LCWT (°F)	AIR TEMPERATURE ON CONDENSER (°F)														
	75			80			85			90			95		
	TONS	kW	EER	TONS	kW	EER	TONS	kW	EER	TONS	kW	EER	TONS	kW	EER

MODEL YCAS0178EB (IPLV = 13.3)

40.0	177.5	145.0	13.4	171.4	154.6	12.2	165.3	165.2	11.0	159.3	176.6	10.0	153.4	188.7	9.1
42.0	183.3	146.0	13.7	177.1	155.6	12.5	170.8	166.2	11.4	164.8	177.6	10.3	158.8	189.7	9.3
44.0	189.1	147.0	14.1	182.7	156.8	12.8	176.5	167.2	11.7	170.2	178.6	10.6	164.2	190.6	9.6
45.0	192.1	147.5	14.2	185.6	157.3	13.0	179.3	167.7	11.8	173.0	179.1	10.7	166.9	191.0	9.7
46.0	195.0	147.9	14.4	188.5	157.8	13.1	182.1	168.2	12.0	176.9	179.9	10.9	169.7	191.5	9.9
48.0	201.0	148.8	14.8	194.3	158.7	13.5	187.8	169.1	12.3	181.5	180.4	11.2	175.2	192.4	10.2
50.0	207.0	149.6	15.1	200.2	159.6	13.8	193.6	170.1	12.6	187.1	181.3	11.5	180.8	193.3	10.4
52.0	213.1	150.4	15.5	206.2	160.4	14.2	199.4	171.0	12.9	192.7	182.4	11.7	186.4	194.2	10.7
55.0	222.3	151.6	16.1	215.2	161.7	14.7	208.2	172.5	13.4	201.4	183.8	12.2	194.9	195.9	11.1

MODEL YCAS0198EB (IPLV = 13.3)

40.0	192.1	151.9	13.6	185.4	162.2	12.3	178.9	173.3	11.2	172.6	185.1	10.2	166.4	197.8	9.2
42.0	198.4	152.8	13.9	191.6	163.2	12.7	185.0	174.2	11.5	178.6	186.0	10.5	172.2	198.7	9.5
44.0	204.8	153.7	14.3	197.9	164.0	13.0	191.1	175.1	11.9	184.5	186.9	10.8	178.1	199.5	9.8
45.0	208.0	154.1	14.5	201.1	164.5	13.2	194.2	175.5	12.0	187.5	187.4	11.0	181.0	199.9	10.0
46.0	211.2	154.5	14.7	204.2	164.9	13.4	197.3	175.9	12.2	190.5	187.8	11.1	184.0	200.3	10.1
48.0	217.7	155.3	15.1	210.6	165.6	13.8	203.6	176.7	12.5	196.7	188.6	11.4	190.0	201.2	10.4
50.0	224.2	156.0	15.5	217.1	166.4	14.1	209.9	177.5	12.9	202.9	189.4	11.7	196.1	202.0	10.7
52.0	230.7	156.7	15.9	223.6	167.1	14.5	216.3	178.2	13.2	209.2	190.1	12.1	202.2	202.8	11.0
55.0	240.7	157.6	16.4	233.5	168.1	15.1	226.0	179.3	13.7	218.7	191.2	12.5	211.5	204.0	11.4

MODEL YCAS0208EB (IPLV = 13.4)

40.0	208.1	169.3	13.3	200.9	180.8	12.1	193.9	193.1	11.0	187.0	206.4	10.0	180.2	220.5	9.1
42.0	214.9	170.5	13.7	207.6	181.9	12.5	200.4	194.3	11.3	196.3	208.3	10.4	186.4	221.6	9.3
44.0	221.7	171.6	14.0	214.3	183.1	12.8	206.9	195.4	11.6	199.8	208.6	10.6	192.8	222.7	9.6
45.0	225.2	172.1	14.2	217.7	183.6	13.0	210.3	195.9	11.8	205.1	209.7	10.8	196.0	223.2	9.7
46.0	228.7	172.6	14.4	221.1	184.1	13.1	213.6	196.5	12.0	206.3	209.7	10.9	201.5	224.4	10.0
48.0	235.7	173.6	14.8	227.9	185.2	13.5	220.3	197.5	12.3	212.9	210.7	11.2	205.6	224.7	10.2
50.0	242.7	174.6	15.1	234.9	186.1	13.8	227.1	198.5	12.6	219.5	211.7	11.5	212.2	225.8	10.4
52.0	249.9	175.5	15.5	241.9	187.1	14.2	234.0	199.5	12.9	226.3	212.7	11.8	218.7	226.8	10.7
55.0	260.6	176.8	16.1	252.5	188.5	14.7	244.4	200.9	13.4	236.5	214.2	12.2	228.7	228.4	11.1

NOTES:

1. kW = Compressor Input Power
2. EER = Chiller EER (includes power from compressors, fans, and control panels 0.8 kW)
3. LCWT = Leaving Chilled Water Temperature
4. Ratings based on 2.4 GPM cooler water per ton
5. Rated in accordance with ARI Standard 550/590-98
6. Shaded Ratings certified in accordance with ARI Standard 550/590-98 up to 200 tons.

LCWT (°F)	AIR TEMPERATURE ON CONDENSER (°F)																	
	100			105			110			115			120			125		
	TONS	KW	EER	TONS	KW	EER	TONS	KW	EER	TONS	KW	EER	TONS	KW	EER	TONS	KW	EER

MODEL YCAS0178EB

40.0	147.8	201.5	8.2	142.5	215.2	7.4	137.4	229.7	6.8	132.5	244.9	6.1	109.4	223.4	5.5	80.6	196.5	4.6
42.0	153.1	202.4	8.5	147.6	216.1	7.7	142.4	230.4	7.0	137.4	245.6	6.3	111.0	219.3	5.7	81.8	193.7	4.7
44.0	158.3	203.4	8.7	152.7	216.9	7.9	147.4	231.2	7.2	141.3	244.1	6.6	112.5	215.4	5.9	83.0	191.0	4.8
45.0	161.0	203.8	8.9	155.4	217.3	8.0	150.0	231.6	7.3	142.1	241.2	6.7	113.3	213.4	6.0	83.5	189.7	4.9
46.0	163.7	204.3	9.0	158.0	217.8	8.2	152.6	232.0	7.4	142.9	238.4	6.8	114.0	211.6	6.1	84.1	188.4	5.0
48.0	169.1	205.2	9.2	163.3	218.6	8.4	157.8	232.8	7.7	145.1	234.2	7.0	115.4	207.9	6.2	85.2	185.9	5.1
50.0	174.6	206.1	9.5	168.7	219.5	8.7	163.0	233.7	7.9	146.9	229.4	7.2	116.8	204.4	6.4	86.2	183.4	5.2
52.0	180.1	207.0	9.8	174.1	220.4	8.9	168.4	234.5	8.1	148.5	224.8	7.5	118.1	201.1	6.6	87.2	181.1	5.4
55.0	188.5	208.4	10.2	182.3	221.8	9.3	176.5	235.9	8.5	150.8	218.3	7.8	120.0	196.3	6.8	88.6	177.7	5.5

MODEL YCAS0198EB

40.0	160.3	211.2	8.4	154.4	225.7	7.6	148.9	241.0	6.9	143.6	257.2	6.3	134.0	264.3	5.7	104.6	234.6	5.0
42.0	166.0	212.2	8.7	160.0	226.5	7.9	154.3	241.6	7.1	148.9	257.7	6.5	137.6	261.5	5.9	106.3	230.8	5.1
44.0	171.7	213.0	8.9	165.6	227.2	8.1	159.9	242.3	7.4	154.3	258.2	6.7	141.1	258.8	6.1	107.9	227.1	5.3
45.0	174.6	213.3	9.1	168.5	227.6	8.2	162.6	242.7	7.5	157.0	258.5	6.8	142.9	257.5	6.2	108.7	225.3	5.4
46.0	177.6	213.7	9.2	171.3	228.0	8.4	165.4	243.1	7.6	159.8	258.9	6.9	144.6	256.3	6.3	109.5	223.5	5.4
48.0	183.5	214.6	9.5	177.1	228.7	8.6	171.1	243.7	7.8	165.3	259.5	7.1	147.0	251.9	6.5	111.0	220.0	5.6
50.0	189.4	215.4	9.7	183.0	229.4	8.9	176.8	244.4	8.1	170.9	260.1	7.4	148.8	246.8	6.7	112.4	216.7	5.7
52.0	195.4	216.2	10.0	188.9	230.3	9.1	182.6	245.1	8.3	175.4	258.5	7.6	150.6	242.4	6.9	113.8	213.5	5.9
55.0	204.6	217.3	10.4	197.9	231.5	9.5	191.4	246.3	8.7	181.1	254.5	8.0	152.9	235.5	7.2	115.7	208.8	6.1

MODEL YCAS0208EB

40.0	173.8	235.2	8.2	167.4	251.4	7.5	161.5	268.3	6.8	155.7	286.3	6.1	141.0	285.2	5.6	105.8	247.2	4.8
42.0	179.8	236.6	8.5	173.4	252.5	7.7	167.3	269.2	7.0	161.5	287.0	6.4	143.2	279.5	5.8	107.5	243.3	4.9
44.0	185.9	237.6	8.7	179.4	253.5	7.9	173.2	270.1	7.2	167.3	287.8	6.6	145.3	274.0	6.0	109.0	239.6	5.1
45.0	189.0	238.2	8.9	182.4	254.0	8.0	176.1	270.8	7.3	170.1	288.5	6.7	146.3	271.4	6.1	109.8	237.7	5.2
46.0	192.2	238.7	9.0	185.5	254.5	8.2	179.1	271.3	7.4	173.1	288.9	6.8	147.2	268.8	6.2	110.5	236.0	5.2
48.0	198.5	239.7	9.2	191.7	255.5	8.4	185.2	272.2	7.7	179.0	289.8	7.0	149.1	263.7	6.4	111.9	232.5	5.4
50.0	204.5	240.7	9.5	198.0	256.4	8.7	191.3	273.1	7.9	185.1	290.6	7.2	151.0	258.8	6.5	113.3	229.1	5.5
52.0	211.4	241.7	9.8	204.3	257.4	8.9	197.6	274.0	8.1	188.5	286.5	7.4	152.7	254.1	6.7	114.6	225.9	5.6
55.0	221.3	243.2	10.2	214.0	258.9	9.3	207.0	275.5	8.5	191.7	277.8	7.8	154.4	246.9	7.0	116.4	221.2	5.8

NOTES:

1. kW = Compressor Input Power
2. EER = Chiller EER (includes power from compressors, fans, and control panels 0.8 kW)
3. LCWT = Leaving Chilled Water Temperature
4. Ratings based on 2.4 GPM cooler water per ton
5. Rated in accordance with ARI Standard 550/590-98
6. Shaded Ratings certified in accordance with ARI Standard 550/590-98 up to 200 tons.

Ratings – R-407C Optimized (English Units, continued)

LCWT (°F)	AIR TEMPERATURE ON CONDENSER (°F)														
	75			80			85			90			95		
	TONS	kW	EER	TONS	kW	EER	TONS	kW	EER	TONS	kW	EER	TONS	kW	EER

MODEL YCAS0218EB (IPLV = 13.5)

40.0	224.8	154.5	14.3	217.1	165.1	13.1	209.3	176.6	11.9	201.6	188.9	10.9	194.1	202.1	9.9
42.0	232.1	155.1	14.8	224.5	165.8	13.5	216.6	177.1	12.3	208.8	189.3	11.2	201.2	202.4	10.2
44.0	239.6	155.4	15.2	232.2	166.1	14.0	224.1	177.5	12.7	216.1	189.7	11.6	208.3	202.7	10.6
45.0	243.3	155.6	15.4	236.0	166.3	14.2	227.8	177.7	12.9	219.7	189.9	11.8	211.9	202.9	10.8
46.0	247.0	155.7	15.7	239.7	166.4	14.4	231.6	177.9	13.1	223.4	190.1	12.0	215.5	203.1	10.9
48.0	255.0	156.1	16.1	247.3	166.7	14.8	239.2	178.2	13.5	230.9	190.4	12.4	222.8	203.5	11.3
50.0	263.1	156.3	16.6	254.9	167.0	15.2	246.8	178.5	14.0	238.4	190.8	12.7	230.1	203.8	11.6
52.0	271.1	156.6	17.1	262.5	167.3	15.7	254.5	178.8	14.4	246.0	191.1	13.1	237.6	204.1	12.0
55.0	283.2	157.1	17.8	274.0	167.6	16.3	266.1	179.2	15.0	257.5	191.5	13.7	248.9	204.6	12.5

MODEL YCAS0248EB (IPLV = 13.7)

40.0	253.6	193.3	13.4	244.9	206.6	12.2	236.2	220.7	11.1	227.5	236.0	10.1	219.2	252.2	9.2
42.0	272.9	194.9	14.3	253.1	207.7	12.6	244.3	221.8	11.5	235.5	236.9	10.4	227.0	253.1	9.5
44.0	273.7	195.4	14.4	261.5	208.6	13.0	252.4	222.9	11.8	243.5	238.0	10.8	234.8	254.0	9.8
45.0	274.4	195.8	14.4	265.7	209.1	13.1	256.5	223.4	12.0	247.5	238.5	10.9	238.8	254.5	9.9
46.0	278.6	196.2	14.5	269.9	209.6	13.3	260.6	223.9	12.1	251.6	239.0	11.1	242.8	255.0	10.1
48.0	287.4	197.1	14.9	278.3	210.5	13.7	269.0	224.7	12.5	259.8	239.9	11.4	250.7	256.1	10.4
50.0	296.2	197.9	15.4	302.5	211.7	14.8	277.5	225.6	12.8	268.1	240.8	11.7	258.8	257.0	10.7
52.0	305.1	198.7	15.8	295.2	212.1	14.4	286.0	226.4	13.2	276.4	241.7	12.1	267.0	257.9	11.0
55.0	318.5	199.9	16.4	308.1	213.3	15.0	298.8	227.7	13.7	289.1	243.0	12.5	279.5	259.2	11.5

MODEL YCAS0268EB (IPLV = 13.1)

40.0	278.3	213.7	13.5	268.7	227.9	12.3	259.1	243.5	11.2	249.8	260.2	10.2	240.6	278.1	9.3
42.0	287.4	215.1	13.9	277.6	229.2	12.7	267.8	244.9	11.5	258.3	261.5	10.5	249.0	279.4	9.5
44.0	296.6	216.4	14.2	286.5	230.9	13.0	276.7	246.1	11.9	267.0	262.8	10.8	257.5	280.6	9.8
45.0	301.2	217.0	14.4	291.0	231.6	13.2	281.2	246.7	12.0	271.4	263.4	11.0	261.8	281.2	10.0
46.0	305.9	217.6	14.6	295.6	232.2	13.3	285.7	247.3	12.2	275.8	264.0	11.1	266.1	281.7	10.1
48.0	315.3	218.7	15.0	304.8	233.3	13.7	294.5	248.9	12.5	284.7	265.2	11.4	274.8	283.0	10.4
50.0	324.8	219.8	15.4	314.1	234.5	14.1	303.6	250.1	12.8	293.6	266.3	11.7	283.6	284.2	10.7
52.0	334.4	220.8	15.8	323.5	235.6	14.4	312.8	251.3	13.2	302.4	268.0	12.0	292.4	285.5	11.0
55.0	348.8	222.3	16.4	337.8	237.2	15.0	326.9	253.0	13.7	316.1	269.8	12.5	305.9	287.4	11.4

NOTES:

1. kW = Compressor Input Power
2. EER = Chiller EER (includes power from compressors, fans, and control panels 0.8 kW)
3. LCWT = Leaving Chilled Water Temperature
4. Ratings based on 2.4 GPM cooler water per ton
5. Rated in accordance with ARI Standard 550/590-98

LCWT (°F)	AIR TEMPERATURE ON CONDENSER (°F)																	
	100			105			110			115			120			125		
	TONS	KW	EER	TONS	KW	EER	TONS	KW	EER	TONS	KW	EER	TONS	KW	EER	TONS	KW	EER

MODEL YCAS0218EB

40.0	187.0	215.9	9.0	180.0	230.8	8.2	173.3	246.5	7.4	167.0	263.1	6.8	161.1	280.6	6.2	133.0	261.8	5.4
42.0	193.9	216.3	9.3	186.7	231.1	8.5	179.9	246.7	7.7	173.4	263.2	7.0	167.3	280.6	6.4	135.6	257.6	5.6
44.0	200.8	216.6	9.6	193.5	231.3	8.8	186.5	246.9	8.0	179.9	263.3	7.3	173.7	280.6	6.6	138.0	253.4	5.8
45.0	204.3	216.8	9.8	196.9	231.5	8.9	189.8	247.0	8.1	183.2	263.4	7.4	176.9	280.6	6.8	139.2	251.4	5.9
46.0	207.9	217.0	10.0	200.4	231.6	9.1	193.2	247.1	8.3	186.5	263.5	7.5	180.1	280.6	6.9	140.3	249.4	6.0
48.0	215.0	217.3	10.3	207.4	231.9	9.4	200.0	247.4	8.5	193.1	263.6	7.8	186.6	280.7	7.1	142.6	245.4	6.1
50.0	222.2	217.6	10.6	214.4	232.2	9.7	207.0	247.6	8.8	199.9	263.8	8.1	193.3	280.8	7.4	144.7	241.6	6.3
52.0	229.4	217.9	10.9	221.6	232.5	10.0	214.0	247.9	9.1	206.8	264.1	8.3	195.1	274.4	7.6	146.8	237.9	6.5
55.0	240.5	218.5	11.5	232.5	233.1	10.5	224.6	248.4	9.6	217.2	264.5	8.7	199.6	267.5	8.0	149.7	232.5	6.7

MODEL YCAS0248EB

40.0	211.1	269.5	8.4	203.3	287.9	7.6	195.9	307.4	6.9	185.0	319.0	6.3	165.5	313.9	5.7	130.9	287.6	4.9
42.0	218.7	270.4	8.6	210.8	288.7	7.8	203.2	308.1	7.1	190.3	316.1	6.5	170.5	311.7	5.9	133.2	283.3	5.0
44.0	226.4	271.3	8.9	218.3	289.5	8.1	210.5	308.8	7.4	195.7	313.3	6.8	175.5	309.6	6.1	135.4	279.1	5.2
45.0	230.3	271.7	9.1	222.1	289.9	8.2	214.3	309.2	7.5	198.4	312.0	6.9	178.1	308.6	6.2	136.5	277.0	5.3
46.0	234.2	272.1	9.2	225.9	290.3	8.4	218.0	309.6	7.6	201.1	310.7	7.0	180.6	307.7	6.4	137.6	275.0	5.3
48.0	242.1	273.0	9.5	233.6	291.2	8.6	225.6	310.3	7.9	206.5	308.2	7.2	185.7	305.8	6.6	139.6	271.1	5.5
50.0	249.9	274.1	9.7	241.4	292.2	8.9	232.7	310.1	8.1	211.9	305.8	7.5	190.8	304.1	6.8	141.6	267.2	5.6
52.0	258.0	275.0	10.0	249.3	293.1	9.2	238.2	306.7	8.4	217.3	303.6	7.7	192.7	298.0	7.0	143.4	263.5	5.8
55.0	270.2	276.4	10.5	261.3	294.5	9.6	246.8	302.8	8.8	225.5	300.4	8.1	196.7	291.0	7.3	146.1	258.2	6.0

MODEL YCAS0268EB

40.0	231.7	297.0	8.4	223.3	317.2	7.6	215.1	338.9	6.9	207.6	361.1	6.3	179.7	345.1	5.7	132.9	301.1	4.8
42.0	239.9	298.2	8.7	231.2	318.6	7.9	223.1	339.6	7.2	215.3	362.0	6.5	182.4	338.6	5.9	134.9	296.7	4.9
44.0	248.3	299.4	8.9	239.3	319.7	8.1	231.0	340.6	7.4	223.1	362.9	6.8	185.1	332.3	6.1	136.9	292.4	5.0
45.0	252.4	300.1	9.1	243.4	320.2	8.3	235.1	341.1	7.5	227.1	363.3	6.9	186.3	329.2	6.2	137.9	290.3	5.1
46.0	256.6	300.8	9.2	247.7	320.5	8.4	239.1	341.6	7.6	231.0	363.8	7.0	187.6	326.2	6.3	138.8	288.2	5.2
48.0	265.1	302.0	9.5	256.0	321.7	8.6	247.3	342.6	7.9	238.2	363.2	7.2	190.0	320.3	6.4	140.6	284.2	5.3
50.0	273.9	302.9	9.8	264.5	322.8	8.9	255.6	343.7	8.1	240.6	354.7	7.4	192.3	314.7	6.6	142.4	280.3	5.4
52.0	282.5	304.3	10.0	273.1	323.9	9.2	264.0	344.8	8.4	244.0	348.3	7.7	194.5	309.4	6.8	144.0	276.6	5.6
55.0	295.9	305.9	10.5	286.1	325.7	9.6	276.8	346.6	8.7	248.0	338.0	8.0	197.6	301.7	7.1	146.4	271.3	5.8

NOTES:

1. kW = Compressor Input Power
2. EER = Chiller EER (includes power from compressors, fans, and control panels 0.8 kW)
3. LCWT = Leaving Chilled Water Temperature
4. Ratings based on 2.4 GPM cooler water per ton
5. Rated in accordance with ARI Standard 550/590-98

Ratings – R-407C Optimized (English Units, continued)

LCWT (°F)	AIR TEMPERATURE ON CONDENSER (°F)														
	75			80			85			90			95		
	TONS	kW	EER	TONS	kW	EER	TONS	kW	EER	TONS	kW	EER	TONS	kW	EER

MODEL YCAS0288EB (IPLV = 12.7)

40.0	294.5	233.8	13.2	284.2	249.3	12.1	274.0	266.2	11.0	264.1	284.3	10.0	254.3	303.7	9.0
42.0	304.0	235.4	13.6	293.5	251.0	12.4	283.2	267.8	11.3	273.0	286.0	10.3	263.1	305.2	9.3
44.0	313.7	236.9	13.9	302.8	252.8	12.7	292.4	269.5	11.6	282.0	287.6	10.5	272.0	306.8	9.6
45.0	318.6	237.6	14.1	307.6	253.5	12.9	297.0	270.4	11.7	286.6	288.4	10.7	276.4	307.6	9.7
46.0	323.4	238.4	14.3	312.4	254.3	13.0	301.6	271.2	11.9	291.2	289.1	10.8	280.9	308.4	9.9
48.0	333.3	239.7	14.6	322.0	255.7	13.4	311.0	272.7	12.2	300.5	290.6	11.1	290.0	309.9	10.1
50.0	343.2	241.1	15.0	331.7	257.1	13.7	320.5	274.2	12.5	309.7	292.3	11.4	299.2	311.4	10.4
52.0	353.2	242.4	15.4	341.5	258.5	14.0	330.2	275.6	12.8	319.1	293.8	11.7	308.4	313.0	10.7
55.0	368.2	244.3	15.9	356.5	260.5	14.5	344.8	277.7	13.3	333.4	296.0	12.1	322.4	315.3	11.1

MODEL YCAS0308EB (IPLV = 13.3)

40.0	315.7	238.7	13.6	304.7	254.7	12.4	293.8	272.0	11.3	283.2	290.6	10.3	272.8	310.4	9.4
42.0	326.0	240.2	14.0	314.8	256.2	12.8	303.7	273.5	11.7	292.9	292.0	10.6	282.3	311.8	9.7
44.0	336.4	241.6	14.4	324.9	257.7	13.1	313.7	274.9	12.0	302.6	293.4	10.9	291.9	313.1	9.9
45.0	341.7	242.2	14.6	330.0	258.4	13.3	318.7	275.6	12.1	307.6	294.0	11.1	296.8	313.8	10.1
46.0	346.9	242.9	14.8	335.2	259.0	13.5	323.7	276.3	12.3	312.5	294.7	11.2	301.6	314.4	10.2
48.0	357.5	244.1	15.1	345.6	260.3	13.8	333.9	277.6	12.6	322.5	296.0	11.5	311.4	315.7	10.5
50.0	368.3	245.2	15.5	356.1	261.5	14.2	344.2	278.8	13.0	332.5	297.4	11.9	321.3	317.0	10.8
52.0	379.0	246.3	15.9	366.7	262.6	14.6	354.6	280.1	13.3	342.7	298.6	12.2	331.2	318.3	11.1
55.0	395.2	247.8	16.5	382.8	264.3	15.1	370.3	281.9	13.8	358.2	300.5	12.7	346.4	320.2	11.6

MODEL YCAS0328EB (IPLV = 13.3)

40.0	335.3	246.6	13.8	323.6	263.2	12.6	312.1	281.0	11.5	300.9	300.2	10.5	290.0	320.8	9.5
42.0	346.3	247.9	14.2	334.4	264.5	13.0	322.6	282.4	11.8	311.2	301.6	10.8	300.0	322.1	9.8
44.0	357.4	249.2	14.6	345.2	265.9	13.3	333.3	283.7	12.2	321.6	302.8	11.1	310.3	323.2	10.1
45.0	362.9	249.8	14.8	350.7	266.5	13.5	338.6	284.4	12.3	326.9	303.4	11.3	315.5	323.8	10.3
46.0	368.5	250.5	15.0	356.2	267.1	13.7	344.1	284.9	12.5	332.2	304.0	11.4	320.7	325.1	10.4
48.0	379.7	251.6	15.4	367.4	268.2	14.1	355.0	286.1	12.9	342.9	305.2	11.8	331.1	325.6	10.7
50.0	391.1	252.6	15.8	378.6	269.3	14.5	366.0	287.2	13.2	353.6	306.3	12.1	341.6	326.7	11.0
52.0	402.5	253.5	16.2	389.9	270.3	14.8	377.1	288.3	13.6	364.5	307.4	12.4	352.3	327.8	11.3
55.0	438.4	255.7	17.5	407.0	271.8	15.4	394.0	289.9	14.1	381.1	309.1	12.9	368.5	329.5	11.8

NOTES:

1. kW = Compressor Input Power
2. EER = Chiller EER (includes power from compressors, fans, and control panels 0.8 kW)
3. LCWT = Leaving Chilled Water Temperature
4. Ratings based on 2.4 GPM cooler water per ton
5. Rated in accordance with ARI Standard 550/590-98

LCWT (°F)	AIR TEMPERATURE ON CONDENSER (°F)																	
	100			105			110			115			120			125		
	TONS	KW	EER	TONS	KW	EER	TONS	KW	EER	TONS	KW	EER	TONS	KW	EER	TONS	KW	EER

MODEL YCAS0288EB

40.0	245.0	324.3	8.2	236.0	346.3	7.5	227.5	369.4	6.8	214.6	383.0	6.2	178.9	354.3	5.5	131.5	312.3	4.6
42.0	253.6	325.8	8.5	244.4	347.7	7.7	235.8	370.6	7.0	220.8	380.7	6.4	181.6	347.9	5.7	133.4	307.9	4.7
44.0	262.2	327.3	8.7	252.9	349.1	7.9	244.1	371.9	7.2	227.1	378.5	6.6	184.1	341.7	5.9	135.3	303.7	4.8
45.0	266.6	328.1	8.8	257.2	349.6	8.1	248.3	372.6	7.3	230.2	377.5	6.7	185.3	338.7	6.0	136.2	301.6	4.9
46.0	271.0	328.8	9.0	261.6	350.3	8.2	252.5	373.2	7.4	233.4	376.4	6.8	186.5	335.8	6.1	137.1	299.6	4.9
48.0	279.8	330.4	9.2	270.3	351.7	8.4	261.1	374.5	7.7	237.5	370.8	7.0	188.8	330.1	6.2	138.9	295.6	5.1
50.0	288.9	331.8	9.5	279.0	353.4	8.7	268.1	372.5	7.9	240.0	362.8	7.3	191.0	324.6	6.4	140.5	291.8	5.2
52.0	298.0	333.3	9.7	288.0	354.8	8.9	274.5	370.1	8.2	243.2	356.5	7.5	193.1	319.4	6.6	142.1	288.1	5.3
55.0	311.8	335.6	10.1	301.5	357.1	9.3	284.6	367.0	8.5	247.0	346.4	7.8	196.1	311.9	6.8	144.4	282.9	5.5

MODEL YCAS0308EB

40.0	262.9	331.4	8.5	253.3	353.6	7.7	244.2	377.4	7.0	235.4	402.7	6.4	214.1	404.5	5.8	160.8	351.3	4.9
42.0	272.1	332.8	8.8	262.3	355.1	8.0	253.0	378.4	7.3	244.1	403.5	6.6	218.6	398.2	6.0	163.2	345.7	5.1
44.0	281.4	334.1	9.0	271.4	356.4	8.2	261.9	379.7	7.5	252.9	404.4	6.8	221.8	390.4	6.2	165.6	340.4	5.2
45.0	286.1	334.8	9.2	276.0	356.9	8.4	266.4	380.4	7.6	257.2	405.3	6.9	223.3	386.6	6.3	167.2	338.1	5.3
46.0	290.9	335.4	9.3	280.7	357.5	8.5	270.9	381.0	7.7	261.7	405.7	7.1	224.8	382.8	6.4	168.3	335.6	5.4
48.0	300.5	336.7	9.6	290.1	358.7	8.7	280.1	382.2	8.0	269.5	404.6	7.3	227.5	375.4	6.6	170.5	330.6	5.5
50.0	310.2	337.9	9.9	299.6	359.9	9.0	289.4	383.4	8.2	276.8	402.7	7.5	229.6	367.8	6.8	172.6	325.8	5.7
52.0	320.1	339.1	10.2	309.2	361.2	9.3	298.8	384.6	8.5	284.3	401.4	7.7	232.1	361.2	7.0	174.6	321.2	5.8
55.0	335.0	341.0	10.6	323.8	363.1	9.7	313.2	386.3	8.8	293.5	396.1	8.1	235.8	351.7	7.2	177.4	314.6	6.0

MODEL YCAS0328EB

40.0	279.4	342.5	8.7	269.2	365.5	7.9	259.5	390.0	7.2	250.1	416.3	6.5	235.8	433.2	5.9	188.3	391.1	5.2
42.0	289.2	343.8	8.9	278.7	366.9	8.1	268.9	391.1	7.4	259.4	416.9	6.7	242.5	429.1	6.1	191.3	384.6	5.3
44.0	299.2	344.9	9.2	288.5	368.1	8.4	278.4	392.2	7.6	268.7	417.9	7.0	247.8	423.6	6.3	194.4	378.3	5.5
45.0	304.2	345.5	9.4	293.4	368.5	8.5	283.1	392.9	7.8	273.3	418.7	7.1	250.5	420.8	6.5	196.3	375.6	5.6
46.0	309.3	346.1	9.5	298.4	369.1	8.7	288.1	393.1	7.9	278.1	419.1	7.2	253.2	418.1	6.6	197.7	372.5	5.7
48.0	319.6	347.2	9.8	308.5	370.1	8.9	297.8	394.4	8.1	287.7	419.9	7.4	258.4	412.7	6.8	200.4	366.6	5.8
50.0	330.0	348.3	10.1	318.6	371.2	9.2	307.7	395.5	8.4	297.5	420.8	7.7	262.9	407.1	7.0	202.5	360.4	6.0
52.0	340.4	349.4	10.4	328.9	372.3	9.5	317.7	396.6	8.6	307.3	421.8	7.9	268.0	402.3	7.2	204.9	354.8	6.2
55.0	356.4	351.1	10.8	344.5	374.0	9.9	333.1	398.0	9.0	320.1	419.8	8.3	273.8	392.9	7.5	208.3	346.9	6.4

NOTES:

1. kW = Compressor Input Power
2. EER = Chiller EER (includes power from compressors, fans, and control panels 0.8 kW)
3. LCWT = Leaving Chilled Water Temperature
4. Ratings based on 2.4 GPM cooler water per ton
5. Rated in accordance with ARI Standard 550/590-98

Ratings – R-407C Optimized (English Units, continued)

LCWT (°F)	AIR TEMPERATURE ON CONDENSER (°F)														
	75			80			85			90			95		
	TONS	kW	EER	TONS	kW	EER	TONS	kW	EER	TONS	kW	EER	TONS	kW	EER

MODEL YCAS0358EB (IPLV = 13.6)

40.0	376.2	285.8	13.7	363.2	304.6	12.5	350.1	325.4	11.3	337.4	347.7	10.3	324.9	371.4	9.4
42.0	388.5	287.6	14.0	375.1	306.5	12.8	361.9	327.2	11.7	351.0	350.1	10.7	336.2	373.1	9.7
44.0	400.9	289.2	14.4	387.0	308.6	13.1	373.8	328.8	12.0	360.2	351.4	10.9	347.6	374.8	9.9
45.0	407.2	290.0	14.6	393.2	309.4	13.3	379.8	329.6	12.2	366.3	352.2	11.1	353.5	375.5	10.1
46.0	413.4	290.8	14.8	399.3	310.2	13.5	385.8	330.6	12.3	372.4	352.6	11.2	359.3	376.3	10.2
48.0	426.1	292.3	15.2	411.8	311.8	13.9	397.7	332.6	12.6	384.3	354.2	11.6	370.9	378.0	10.5
50.0	438.9	293.7	15.6	424.3	313.3	14.2	410.0	334.2	13.0	396.1	356.3	11.9	382.7	379.6	10.8
52.0	451.8	295.0	16.0	437.0	314.7	14.6	422.4	335.7	13.3	408.2	357.9	12.2	394.6	381.3	11.1
55.0	471.1	297.0	16.5	456.2	316.8	15.1	441.2	337.9	13.8	426.6	360.3	12.6	412.7	383.8	11.6

MODEL YCAS0398EB (IPLV = 13.5)

40.0	408.6	310.0	13.6	394.4	330.7	12.4	380.3	353.2	11.3	366.6	377.3	10.3	353.1	403.1	9.3
42.0	421.9	311.9	14.0	407.4	332.7	12.8	393.1	355.1	11.6	379.1	379.2	10.6	365.4	404.9	9.6
44.0	435.4	313.7	14.3	420.5	334.7	13.1	406.0	356.9	12.0	391.7	381.0	10.9	377.8	406.7	9.9
45.0	442.2	314.6	14.5	427.1	335.6	13.3	412.5	357.8	12.1	398.1	381.9	11.1	384.1	407.5	10.1
46.0	449.0	315.4	14.7	433.8	336.4	13.5	419.0	358.7	12.3	404.5	382.7	11.2	390.4	408.3	10.2
48.0	462.8	317.0	15.1	447.3	338.1	13.8	432.1	360.6	12.6	417.5	384.4	11.5	403.1	410.1	10.5
50.0	476.6	318.5	15.5	460.9	339.6	14.2	445.4	362.2	13.0	430.4	386.2	11.8	415.9	411.8	10.8
52.0	490.6	319.9	15.9	474.7	341.2	14.5	458.9	363.8	13.3	443.6	388.0	12.1	428.8	413.5	11.1
55.0	511.6	321.9	16.5	495.5	343.4	15.1	479.4	366.2	13.8	463.6	390.5	12.6	448.4	416.1	11.5

MODEL YCAS0418EB (IPLV = 13.0)

40.0	440.0	348.6	13.2	424.5	372.1	12.1	409.5	397.3	11.0	394.8	424.2	10.0	380.3	453.1	9.1
42.0	454.2	351.1	13.6	438.4	374.6	12.4	423.1	399.8	11.3	408.0	426.8	10.3	393.4	455.5	9.3
44.0	468.6	353.4	13.9	452.5	377.0	12.7	436.7	402.5	11.6	421.5	429.3	10.5	406.7	457.8	9.6
45.0	475.8	354.5	14.1	459.6	378.2	12.9	443.6	403.6	11.7	428.2	430.5	10.7	413.2	459.2	9.7
46.0	483.1	355.6	14.3	466.7	379.3	13.0	450.7	404.7	11.9	435.1	431.6	10.8	419.9	460.4	9.9
48.0	497.7	357.8	14.6	481.0	381.6	13.4	464.8	406.9	12.2	448.9	433.9	11.1	433.4	462.7	10.1
50.0	512.5	359.9	15.0	495.5	383.8	13.7	479.0	409.1	12.5	462.8	436.1	11.4	447.0	464.9	10.4
52.0	527.4	361.8	15.4	510.1	385.9	14.0	493.3	411.2	12.8	476.9	438.4	11.7	460.8	467.1	10.7
55.0	549.8	364.8	15.9	532.4	388.8	14.5	515.1	414.5	13.3	498.2	441.7	12.1	481.8	470.5	11.1

NOTES:

1. kW = Compressor Input Power
2. EER = Chiller EER (includes power from compressors, fans, and control panels 0.8 kW)
3. LCWT = Leaving Chilled Water Temperature
4. Ratings based on 2.4 GPM cooler water per ton
5. Rated in accordance with ARI Standard 550/590-98

LCWT (°F)	AIR TEMPERATURE ON CONDENSER (°F)																	
	100			105			110			115			120			125		
	TONS	KW	EER	TONS	KW	EER	TONS	KW	EER	TONS	KW	EER	TONS	KW	EER	TONS	KW	EER

MODEL YCAS0358EB

40.0	312.9	396.6	8.5	301.4	423.6	7.7	290.5	451.9	7.0	280.2	481.9	6.4	240.7	457.4	5.8	177.9	399.9	4.8
42.0	324.0	398.2	8.8	312.1	425.2	8.0	301.1	453.2	7.3	290.6	483.0	6.6	244.3	448.8	5.9	180.6	394.0	4.9
44.0	335.1	399.9	9.0	323.0	426.8	8.2	311.8	454.6	7.5	301.1	484.2	6.8	247.8	440.5	6.1	183.2	388.3	5.1
45.0	340.7	400.8	9.2	328.7	427.2	8.4	317.2	455.3	7.6	306.4	484.9	6.9	249.5	436.4	6.2	184.5	385.6	5.1
46.0	346.4	401.6	9.3	334.3	427.9	8.5	322.7	456.0	7.7	311.7	485.5	7.1	251.1	432.5	6.3	185.7	382.8	5.2
58.0	357.8	403.2	9.6	345.5	429.4	8.7	333.7	457.4	8.0	318.7	480.3	7.3	254.3	424.8	6.5	188.1	377.5	5.3
50.0	369.5	404.5	9.9	356.9	431.0	9.0	344.8	458.8	8.2	321.9	469.2	7.5	257.3	417.4	6.7	190.4	372.4	5.5
52.0	381.3	406.1	10.1	368.4	432.5	9.3	356.1	460.3	8.5	326.7	461.2	7.7	260.2	410.3	6.9	192.6	367.5	5.6
55.0	399.1	408.6	10.6	385.8	435.0	9.7	373.2	462.7	8.8	331.9	447.5	8.1	264.3	400.3	7.1	195.8	360.5	5.8

MODEL YCAS0398EB

40.0	340.2	430.3	8.5	327.8	459.4	7.7	316.0	490.2	7.0	304.6	523.1	6.4	274.2	519.9	5.8	205.1	451.7	4.9
42.0	352.1	432.2	8.8	339.4	461.3	8.0	327.4	491.6	7.2	315.9	524.3	6.6	279.4	511.1	6.0	208.2	444.6	5.0
44.0	364.2	434.0	9.0	351.2	463.0	8.2	338.9	493.4	7.5	327.3	525.6	6.8	283.4	501.2	6.2	211.2	437.8	5.2
45.0	370.3	434.9	9.2	357.3	463.6	8.3	344.8	494.1	7.6	332.9	526.4	6.9	285.4	496.4	6.3	213.0	434.9	5.3
46.0	376.5	435.7	9.3	363.3	464.4	8.5	350.8	494.7	7.7	338.7	527.0	7.0	287.3	491.7	6.4	214.6	431.7	5.3
48.0	388.9	437.3	9.6	375.5	465.9	8.7	362.6	496.4	8.0	348.4	524.8	7.3	291.0	482.5	6.6	217.3	425.4	5.5
50.0	401.6	438.8	9.8	387.8	467.6	9.0	374.6	498.0	8.2	356.3	519.9	7.5	293.9	473.1	6.7	220.0	419.3	5.6
52.0	414.3	440.5	10.1	400.3	469.2	9.2	386.8	499.6	8.4	365.1	516.7	7.7	297.0	464.4	6.9	222.6	413.4	5.8
55.0	433.7	443.0	10.5	419.2	471.7	9.6	405.4	501.9	8.8	376.2	508.9	8.1	301.7	452.3	7.2	226.2	405.1	6.0

MODEL YCAS0418EB

40.0	366.4	483.8	8.2	353.2	516.3	7.5	340.5	551.0	6.8	318.5	566.4	6.2	276.0	543.4	5.6	204.9	477.1	4.7
42.0	379.2	486.2	8.5	365.6	518.7	7.7	352.8	552.9	7.0	326.9	561.2	6.4	281.1	534.7	5.8	208.0	470.0	4.8
44.0	392.1	488.4	8.7	378.3	520.9	7.9	365.1	555.1	7.2	335.2	556.3	6.6	285.1	524.9	5.9	210.8	463.2	4.9
45.0	398.7	489.5	8.9	384.7	521.9	8.1	371.4	556.2	7.3	339.3	554.1	6.7	287.0	520.1	6.0	212.7	460.3	5.0
46.0	405.3	490.6	9.0	391.1	522.9	8.2	377.7	556.9	7.5	343.4	551.8	6.8	288.9	515.5	6.1	214.2	457.1	5.1
48.0	418.4	493.1	9.2	404.1	525.0	8.4	390.4	559.2	7.7	351.7	547.3	7.1	292.5	506.4	6.3	216.9	450.8	5.2
50.0	431.8	495.3	9.5	417.1	527.5	8.7	400.0	555.0	7.9	360.0	543.1	7.3	295.4	497.1	6.5	219.5	444.8	5.3
52.0	445.3	497.6	9.8	430.4	529.7	8.9	408.3	549.5	8.2	368.2	539.2	7.5	298.4	488.4	6.6	222	438.9	5.4
55.0	465.9	501.0	10.1	450.6	533.2	9.3	421.5	541.9	8.5	379.4	531.7	7.8	303.0	476.5	6.9	225.5	430.6	5.6

NOTES:

1. kW = Compressor Input Power
2. EER = Chiller EER (includes power from compressors, fans, and control panels 0.8 kW)
3. LCWT = Leaving Chilled Water Temperature
4. Ratings based on 2.4 GPM cooler water per ton
5. Rated in accordance with ARI Standard 550/590-98

Ratings – R-407C Optimized (SI Units)

LCWT (°C)	AIR TEMPERATURE – CONDENSER (°C)																	
	25			30			35			40			45			50		
	kWo	kWi	COP	kWo	kWi	COP	kWo	kWi	COP	kWo	kWi	COP	kWo	kWi	COP	kWo	kWi	

MODEL YCAS0098EB

5.0	329.5	74.4	3.9	310.8	83.7	3.3	291.2	94.4	2.8	272.3	106.5	2.3	254.4	120.0	2.0	233.0	131.8	1.6
6.0	339.1	74.2	4.0	320.6	83.5	3.4	300.6	94.1	2.9	281.4	106.1	2.4	263.3	119.4	2.0	236.8	128.8	1.7
7.0	348.7	74.1	4.1	330.5	83.3	3.5	310.1	93.9	3.0	290.5	105.9	2.5	272.1	119.0	2.1	242.7	126.8	1.8
8.0	358.0	73.9	4.2	340.4	83.1	3.6	319.6	93.7	3.1	300.0	105.5	2.6	281.1	118.6	2.2	246.6	124.3	1.8
9.0	368.4	73.8	4.4	350.3	83.0	3.7	329.5	93.5	3.2	309.4	105.3	2.7	290.3	118.2	2.3	250.3	121.9	1.9
10.0	378.9	73.7	4.5	360.3	82.9	3.9	339.3	93.4	3.3	318.9	105.2	2.8	299.5	117.9	2.3	253.9	119.6	2.0
11.0	389.8	73.5	4.6	370.3	82.8	4.0	349.3	93.4	3.4	328.5	105.0	2.8	309.0	117.7	2.4	257.2	117.5	2.0
12.0	400.7	73.4	4.8	380.5	82.8	4.1	359.3	93.3	3.5	338.3	105.0	2.9	318.5	117.6	2.5	260.5	115.5	2.1
13.0	411.7	73.3	4.9	390.6	82.7	4.2	369.6	93.3	3.6	348.2	105.0	3.0	328.1	117.6	2.6	263.6	113.7	2.1

MODEL YCAS0118EB

5.0	404.4	96.1	3.8	380.3	108.3	3.2	356.2	122.2	2.7	333.4	137.8	2.2	312.2	155.1	1.9	241.0	145.0	1.6
6.0	416.3	96.4	3.9	392.2	108.6	3.3	367.6	122.5	2.8	344.4	137.9	2.3	322.9	155.0	2.0	244.6	142.4	1.6
7.0	428.3	96.7	4.0	404.1	108.8	3.4	379.1	122.7	2.8	355.5	138.1	2.4	333.6	155.0	2.0	249.3	140.4	1.7
8.0	440.3	96.9	4.1	416.1	109.1	3.5	390.8	122.9	2.9	366.8	138.2	2.5	340.7	153.0	2.1	252.9	138.1	1.7
9.0	453.0	97.2	4.2	428.1	109.4	3.6	402.7	123.1	3.0	378.2	138.4	2.5	348.1	151.1	2.2	256.3	135.9	1.8
10.0	465.7	97.4	4.3	440.3	109.7	3.7	414.6	123.4	3.1	389.7	138.6	2.6	355.4	149.5	2.2	259.6	133.8	1.8
11.0	478.7	97.6	4.4	452.6	110.0	3.8	426.6	123.7	3.2	401.4	138.9	2.7	362.4	147.7	2.3	262.8	131.9	1.8
12.0	491.7	97.8	4.5	464.9	110.2	3.8	438.7	124.0	3.3	413.2	139.2	2.8	369.5	146.1	2.4	265.9	130.0	1.9
13.0	504.8	98.1	4.6	477.5	110.5	3.9	451.0	124.3	3.3	425.1	139.5	2.8	376.5	144.6	2.4	268.8	128.2	1.9

MODEL YCAS0128EB

5.0	427.9	88.0	4.2	401.6	99.0	3.5	375.8	111.7	3.0	351.1	125.9	2.5	326.2	143.0	2.1	298.0	156.7	1.7
6.0	441.0	88.0	4.3	414.0	99.0	3.7	387.9	111.6	3.1	360.8	126.9	2.6	337.4	142.7	2.2	305.8	154.8	1.8
7.0	452.5	88.5	4.4	426.4	99.1	3.8	398.4	112.4	3.1	374.4	125.8	2.7	348.8	142.4	2.2	313.0	152.8	1.9
8.0	465.9	88.4	4.5	437.8	99.6	3.8	410.9	112.3	3.2	384.8	126.5	2.7	360.4	142.2	2.3	320.2	150.9	1.9
9.0	479.4	88.3	4.7	450.5	99.6	4.0	423.5	112.3	3.3	396.9	126.4	2.8	372.1	142.0	2.4	327.4	149.1	2.0
10.0	492.8	88.3	4.8	463.5	99.5	4.1	436.2	112.2	3.5	409.2	126.4	2.9	383.9	141.9	2.5	334.5	147.4	2.1
11.0	506.2	88.2	4.9	476.9	99.5	4.2	449.1	112.2	3.6	421.6	126.4	3.0	395.8	141.9	2.5	341.6	145.8	2.1
12.0	519.9	88.1	5.1	490.5	99.5	4.3	462.0	112.2	3.7	434.1	126.4	3.1	407.9	141.9	2.6	348.6	144.3	2.2
13.0	533.4	88.1	5.2	504.1	99.5	4.4	475.0	112.3	3.8	446.8	126.5	3.2	420.2	141.9	2.7	355.8	143.0	2.3

NOTES:

1. kWo = Unit kW Cooling Capacity Output
2. kWi = Compressor kW Input
3. COP = Coefficient of Performance (includes condenser fan power)
4. LCWT = Leaving Chilled Water Temperature
5. Ratings based on 0.15 l/s cooler water per ton.

LCWT (°C)	AIR TEMPERATURE – CONDENSER (°C)																	
	25			30			35			40			45			50		
	kWo	kWi	COP	kWo	kWi	COP	kWo	kWi	COP	kWo	kWi	COP	kWo	kWi	COP	kWo	kWi	

MODEL YCAS0138EB

5.0	472.9	106.8	3.9	444.7	120.5	3.3	417.0	136.0	2.8	390.4	153.5	2.3	365.6	172.8	2.0	333.7	189.2	1.6
6.0	487.3	107.1	4.0	458.7	120.8	3.4	430.5	136.4	2.9	403.4	153.7	2.4	378.1	173.0	2.0	340.4	186.6	1.7
7.0	501.6	107.5	4.1	472.8	121.2	3.5	444.1	136.7	2.9	416.6	154.0	2.5	390.8	173.2	2.1	346.9	183.8	1.8
8.0	516.0	107.8	4.2	487.2	121.5	3.6	457.9	137.0	3.0	429.9	154.3	2.6	403.6	173.3	2.2	352.1	180.7	1.8
9.0	530.5	108.1	4.3	501.6	121.8	3.7	471.8	137.3	3.1	443.5	154.5	2.6	416.7	173.5	2.2	357.0	177.7	1.9
10.0	545.0	108.3	4.4	516.2	122.1	3.8	485.9	137.6	3.2	457.2	154.8	2.7	429.8	173.7	2.3	361.7	174.8	1.9
11.0	559.4	108.6	4.6	530.9	122.4	3.9	500.2	137.8	3.3	471.0	155.0	2.8	443.1	173.9	2.4	366.3	171.9	2.0
12.0	573.8	108.8	4.7	545.8	122.6	4.0	514.6	138.1	3.4	484.9	155.3	2.9	456.6	174.1	2.4	370.6	169.2	2.0
13.0	588.2	109.0	4.8	560.7	122.9	4.1	529.1	138.4	3.5	498.9	155.6	2.9	470.3	174.4	2.5	374.8	166.5	2.1

MODEL YCAS0148EB

5.0	496.9	107.4	4.1	465.6	121.0	3.4	435.6	136.5	2.9	407.0	153.8	2.4	380.7	173.0	2.0	341.8	186.4	1.7
6.0	511.8	107.7	4.2	480.1	121.4	3.5	449.5	136.8	3.0	420.4	154.1	2.5	393.6	173.2	2.1	347.6	183.4	1.8
7.0	526.6	108.0	4.3	494.7	121.7	3.6	466.0	137.4	3.1	433.9	154.3	2.6	406.5	173.4	2.2	352.7	180.3	1.8
8.0	541.6	108.3	4.4	509.4	122.0	3.7	477.7	137.4	3.2	447.6	154.6	2.7	419.7	173.6	2.2	357.6	177.3	1.9
9.0	556.5	108.5	4.5	524.3	122.3	3.8	492.0	137.7	3.2	461.4	154.8	2.7	433.0	173.8	2.3	362.3	174.4	1.9
10.0	571.5	108.8	4.6	539.4	122.5	3.9	506.5	138.0	3.3	475.4	155.1	2.8	446.4	174.0	2.4	366.8	171.6	2.0
11.0	586.3	109.0	4.8	554.5	122.8	4.0	521.2	138.2	3.4	489.6	155.4	2.9	460.1	174.2	2.4	371.1	168.9	2.0
12.0	602.3	109.2	4.9	569.9	123.0	4.2	535.9	138.5	3.5	503.9	155.7	3.0	473.8	174.5	2.5	375.2	166.2	2.1
13.0	618.0	109.5	5.0	585.2	123.3	4.3	550.9	138.8	3.6	518.3	156.0	3.0	487.8	174.7	2.6	379.6	163.8	2.1

MODEL YCAS0158EB

5.0	554.5	128.2	3.9	519.7	144.4	3.3	486.2	162.9	2.7	454.7	183.3	2.3	425.8	206.0	1.9	340.8	198.3	1.6
6.0	570.6	129.0	4.0	535.5	145.1	3.4	501.3	163.5	2.8	469.3	183.8	2.4	439.9	206.5	2.0	345.8	195.2	1.7
7.0	587.1	129.5	4.1	551.5	145.7	3.4	516.9	163.9	2.9	484.2	184.3	2.4	454.1	206.9	2.1	350.4	192.2	1.7
8.0	603.6	130.1	4.2	567.6	146.2	3.5	532.5	164.5	3.0	499.2	184.9	2.5	468.6	207.3	2.1	354.9	189.2	1.7
9.0	620.2	130.6	4.3	583.9	146.8	3.6	548.2	165.1	3.1	514.4	185.4	2.6	483.2	207.8	2.2	359.2	186.3	1.8
10.0	637.0	131.1	4.4	600.3	147.4	3.7	564.1	165.6	3.1	529.7	185.9	2.6	496.3	207.3	2.2	363.4	183.6	1.8
11.0	653.8	131.6	4.5	616.9	147.9	3.8	580.2	166.2	3.2	545.2	186.5	2.7	505.5	204.9	2.3	367.3	180.9	1.9
12.0	671.2	132.1	4.6	633.5	148.5	3.9	596.4	166.7	3.3	560.9	187.0	2.8	515.7	203.1	2.4	371.2	178.3	1.9
13.0	688.5	132.6	4.7	650.2	149.1	4.0	612.5	167.4	3.4	576.7	187.6	2.9	525.2	201.1	2.4	375.0	175.8	2.0

NOTES:

1. kWo = Unit kW Cooling Capacity Output
2. kWi = Compressor kW Input
3. COP = Coefficient of Performance (includes condenser fan power)
4. LCWT = Leaving Chilled Water Temperature
5. Ratings based on 0.15 l/s cooler water per ton.

Ratings – R-407C Optimized (SI Units, continued)

LCWT (°C)	AIR TEMPERATURE – CONDENSER (°C)																	
	25			30			35			40			45			50		
	kWo	kWi	COP	kWo	kWi	COP	kWo	kWi	COP	kWo	kWi	COP	kWo	kWi	COP	kWo	kWi	

MODEL YCAS0178EB

5.0	625.9	149.1	3.8	586.8	167.9	3.2	548.8	189.3	2.7	513.7	212.8	2.3	481.4	239.1	1.9	347.0	210.2	1.5
6.0	643.7	150.3	3.9	604.3	168.8	3.3	565.7	190.1	2.8	530.0	213.6	2.3	497.1	239.8	2.0	351.5	207.1	1.6
7.0	662.1	151.1	4.0	621.9	169.7	3.4	583.1	190.8	2.8	546.5	214.4	2.4	513.1	240.4	2.0	355.8	204.1	1.6
8.0	680.6	152.0	4.1	639.9	170.6	3.5	600.5	191.7	2.9	563.2	215.2	2.5	529.2	241.1	2.1	360.0	201.1	1.7
9.0	699.4	152.8	4.2	657.9	171.4	3.5	618.0	192.5	3.0	580.1	216.0	2.5	545.6	241.8	2.1	364.0	198.3	1.7
10.0	718.4	153.5	4.3	676.1	172.3	3.6	635.7	193.3	3.1	597.2	216.8	2.6	557.6	240.2	2.2	367.9	195.5	1.8
11.0	737.5	154.2	4.4	694.5	173.1	3.7	653.6	194.1	3.1	614.4	217.6	2.7	562.5	235.2	2.3	371.6	192.9	1.8
12.0	756.7	155.0	4.5	712.9	174.0	3.8	671.6	195.0	3.2	631.8	218.4	2.7	569.3	231.4	2.3	375.2	190.4	1.8
13.0	776.1	155.7	4.6	731.3	175.0	3.9	689.2	196.1	3.3	649.4	219.2	2.8	574.6	227.2	2.4	378.6	187.9	1.9

MODEL YCAS0198EB

5.0	677.1	156.4	3.9	635.2	176.1	3.3	595.2	198.3	2.8	556.9	223.2	2.3	521.7	250.9	1.9	442.4	254.0	1.6
6.0	697.0	157.2	4.0	654.4	176.9	3.4	613.7	199.0	2.8	574.7	223.8	2.4	538.8	251.4	2.0	450.3	250.4	1.7
7.0	717.2	158.0	4.1	673.8	177.7	3.4	632.4	199.7	2.9	592.7	224.5	2.4	556.1	252.0	2.1	456.3	246.2	1.7
8.0	737.5	158.7	4.2	693.4	178.4	3.5	651.1	200.5	3.0	610.9	225.2	2.5	573.5	252.6	2.1	462.2	242.1	1.8
9.0	758.0	159.4	4.3	713.2	179.1	3.6	670.2	201.3	3.1	629.3	225.9	2.6	591.3	253.2	2.2	467.7	238.2	1.8
10.0	778.5	160.1	4.4	733.2	179.8	3.7	689.5	202.0	3.1	647.9	226.5	2.7	609.2	253.8	2.2	473.0	234.3	1.9
11.0	799.2	160.7	4.5	753.4	180.5	3.8	708.9	202.7	3.2	666.6	227.3	2.7	627.4	254.4	2.3	477.8	230.6	1.9
12.0	820.0	161.3	4.6	773.7	181.1	3.9	728.5	203.4	3.3	685.5	228.0	2.8	645.7	255.0	2.4	482.3	227.0	2.0
13.0	840.8	161.8	4.7	794.2	181.8	4.0	748.2	204.1	3.4	704.7	228.7	2.9	664.2	255.7	2.4	487.1	223.6	2.0

MODEL YCAS0208EB

5.0	733.4	174.4	3.8	688.2	196.3	3.2	644.6	221.1	2.7	603.6	248.6	2.3	565.7	279.4	1.9	450.4	266.6	1.6
6.0	754.8	175.4	3.9	708.7	197.3	3.3	664.4	222.0	2.8	622.6	249.6	2.3	584.1	280.1	2.0	456.5	262.3	1.6
7.0	776.4	176.4	4.0	729.5	198.3	3.4	684.5	223.0	2.8	641.8	250.6	2.4	602.6	281.0	2.0	462.2	258.0	1.7
8.0	798.2	177.3	4.1	750.5	199.3	3.5	708.7	224.2	2.9	661.3	251.4	2.5	621.1	282.0	2.1	467.8	254.0	1.7
9.0	820.2	178.2	4.2	771.8	200.2	3.5	725.4	224.8	3.0	681.0	252.3	2.5	640.2	282.7	2.1	473.1	250.0	1.8
10.0	842.4	179.1	4.3	793.2	201.1	3.6	746.1	225.8	3.1	700.9	253.2	2.6	659.4	283.5	2.2	478.2	246.2	1.8
11.0	864.8	179.9	4.4	814.8	202.0	3.7	766.9	226.7	3.1	721.1	254.1	2.7	678.9	284.3	2.3	483.1	242.5	1.9
12.0	887.3	180.7	4.5	836.6	202.8	3.8	787.8	227.7	3.2	741.5	255.0	2.7	698.6	285.1	2.3	487.8	239.0	1.9
13.0	910.0	181.5	4.6	858.6	203.7	3.9	809.0	228.6	3.3	762.1	255.9	2.8	718.5	286.0	2.4	492.3	235.6	1.9

NOTES:

1. kWo = Unit kW Cooling Capacity Output
2. kW_i = Compressor kW Input
3. COP = Coefficient of Performance (includes condenser fan power)
4. LCWT = Leaving Chilled Water Temperature
5. Ratings based on 0.15 l/s cooler water per ton.

Ratings – R-407C Optimized (SI Units, continued)

LCWT (°C)	AIR TEMPERATURE – CONDENSER (°C)																	
	25			30			35			40			45			50		
	kWo	kWi	COP	kWo	kWi	COP	kWo	kWi	COP	kWo	kWi	COP	kWo	kWi	COP	kWo	kWi	

MODEL YCAS0218EB

5.0	793.1	159.0	4.1	743.1	179.3	3.5	695.3	202.2	3.0	649.5	227.9	2.5	607.3	256.4	2.1	568.6	287.5	1.8
6.0	816.6	159.4	4.2	766.6	179.6	3.6	722.7	202.6	3.1	671.0	228.2	2.6	627.9	256.6	2.2	574.7	281.4	1.8
7.0	840.4	159.7	4.4	790.1	180.0	3.7	740.1	202.9	3.1	692.7	228.4	2.6	648.7	256.7	2.2	582.5	276.7	1.9
8.0	864.2	160.0	4.5	813.8	180.3	3.8	762.9	203.2	3.2	714.7	228.7	2.7	669.8	256.9	2.3	595.7	273.3	1.9
9.0	887.8	160.3	4.6	837.8	180.6	3.9	786.0	203.5	3.3	737.0	229.0	2.8	691.1	257.0	2.4	604.0	268.7	2.0
10.0	912.2	160.5	4.7	861.9	180.9	4.0	809.3	203.8	3.4	759.5	229.2	2.9	712.7	257.3	2.5	611.8	264.3	2.1
11.0	937.7	160.7	4.8	886.3	181.2	4.1	832.8	204.1	3.5	782.2	229.5	3.0	734.6	257.5	2.5	619.3	260.0	2.1
12.0	963.2	160.9	5.0	910.9	181.4	4.2	856.6	204.4	3.6	805.1	229.8	3.1	756.7	257.8	2.6	626.6	255.9	2.2
13.0	988.4	161.3	5.1	935.5	181.7	4.4	880.5	204.7	3.7	828.2	230.2	3.1	779.0	258.1	2.7	633.6	251.9	2.2

MODEL YCAS0248EB

5.0	894.3	199.1	3.8	838.3	224.3	3.3	784.5	252.6	2.7	733.5	284.5	2.3	686.5	319.9	1.9	562.6	311.7	1.6
6.0	920.6	200.0	3.9	864.1	225.1	3.3	809.2	253.5	2.8	757.2	285.3	2.4	704.1	317.2	2.0	569.0	306.0	1.7
7.0	947.1	200.8	4.0	890.0	226.0	3.4	834.1	254.3	2.9	781.3	286.0	2.4	721.3	314.6	2.1	576.3	301.2	1.7
8.0	973.6	201.6	4.1	916.0	226.9	3.5	859.1	255.3	3.0	805.6	286.8	2.5	739.4	312.1	2.1	587.4	297.4	1.8
9.0	1000.2	202.4	4.2	942.4	227.7	3.6	884.4	256.1	3.1	830.2	287.5	2.6	757.0	309.6	2.2	594.9	292.9	1.8
10.0	1027.3	203.2	4.3	969.1	228.5	3.7	910.2	256.9	3.1	854.8	288.5	2.7	774.6	307.2	2.3	602.2	288.5	1.9
11.0	1081.2	204.2	4.6	995.9	229.3	3.8	936.1	257.8	3.2	879.8	289.3	2.7	792.2	305.0	2.3	609.1	284.3	1.9
12.0	1083.4	204.6	4.6	1023.0	230.1	3.9	962.3	258.6	3.3	905.1	290.1	2.8	809.8	302.8	2.4	615.8	280.2	2.0
13.0	1111.3	205.4	4.7	1050.1	230.8	4.0	988.8	259.4	3.4	930.6	291.0	2.9	827.4	300.8	2.5	622.2	276.3	2.0

MODEL YCAS0268EB

5.0	981.0	219.9	3.9	919.7	247.4	3.3	860.6	278.7	2.8	805.1	313.6	2.3	754.1	352.4	2.0	570.8	323.6	1.6
6.0	1009.2	221.3	4.0	947.4	248.6	3.4	887.3	279.9	2.8	830.4	314.9	2.4	778.8	353.2	2.0	578.5	318.6	1.6
7.0	1038.3	222.5	4.1	975.5	249.7	3.4	914.4	281.0	2.9	856.4	315.9	2.5	803.9	354.1	2.1	585.8	313.8	1.7
8.0	1067.6	223.5	4.2	1003.6	250.9	3.5	941.9	282.0	3.0	883.0	316.7	2.5	829.3	355.0	2.1	592.9	309.1	1.7
9.0	1097.3	224.6	4.3	1031.7	252.2	3.6	969.4	283.1	3.1	909.6	317.7	2.6	855.0	355.9	2.2	599.7	304.5	1.8
10.0	1127.2	225.5	4.4	1060.3	253.4	3.7	997.2	284.2	3.1	936.5	318.7	2.7	880.9	356.8	2.3	606.3	300.2	1.8
11.0	1157.3	226.5	4.5	1089.4	254.4	3.8	1025.2	285.4	3.2	963.7	319.8	2.7	907.2	357.7	2.3	612.6	296.0	1.9
12.0	1187.6	227.4	4.6	1118.7	255.5	3.9	1053.4	286.5	3.3	991.1	320.9	2.8	933.7	358.7	2.4	618.7	291.9	1.9
13.0	1218.2	228.3	4.7	1148.4	256.4	4.0	1081.9	287.6	3.4	1018.9	321.9	2.9	942.6	351.9	2.5	624.5	288.0	1.9

NOTES:

1. kWo = Unit kW Cooling Capacity Output
2. kWi = Compressor kW Input
3. COP = Coefficient of Performance (includes condenser fan power)
4. LCWT = Leaving Chilled Water Temperature
5. Ratings based on 0.15 l/s cooler water per ton.

Ratings – R-407C Optimized (SI Units, continued)

LCWT (°C)	AIR TEMPERATURE – CONDENSER (°C)																	
	25			30			35			40			45			50		
	kWo	kWi	COP	kWo	kWi	COP	kWo	kWi	COP	kWo	kWi	COP	kWo	kWi	COP	kWo	kWi	

MODEL YCAS0288EB

5.0	1037.4	240.8	3.8	972.5	270.6	3.2	909.8	304.5	2.7	850.9	342.5	2.3	794.2	382.6	1.9	567.1	333.7	1.5
6.0	1067.5	242.2	3.9	1001.5	272.0	3.3	937.7	305.9	2.8	877.6	343.8	2.3	814.0	380.1	2.0	574.4	328.8	1.6
7.0	1097.9	243.6	4.0	1030.6	273.4	3.4	966.1	307.1	2.8	904.7	345.1	2.4	835.2	378.3	2.0	581.4	324.1	1.6
8.0	1128.6	244.9	4.1	1060.0	274.8	3.4	994.2	308.7	2.9	932.5	346.2	2.5	855.5	376.2	2.1	588.2	319.5	1.7
9.0	1159.4	246.1	4.1	1089.4	276.4	3.5	1023.0	310.1	3.0	960.3	347.4	2.5	876.0	374.3	2.2	594.7	315.0	1.7
10.0	1190.6	247.4	4.2	1119.4	277.7	3.6	1052.0	311.4	3.1	988.0	348.9	2.6	896.5	372.4	2.2	601.0	310.8	1.8
11.0	1222.0	248.6	4.3	1149.7	279.0	3.7	1081.2	312.8	3.1	1016.4	350.2	2.7	917.1	370.7	2.3	607.0	306.6	1.8
12.0	1253.6	249.8	4.4	1180.3	280.3	3.8	1110.7	314.2	3.2	1045.0	351.6	2.7	932.3	366.7	2.3	612.8	302.7	1.8
13.0	1285.6	250.9	4.5	1211.2	281.6	3.8	1140.4	315.6	3.3	1073.8	353.0	2.8	939.9	359.7	2.4	618.4	298.8	1.9

MODEL YCAS0308EB

5.0	1112.4	245.8	3.9	1042.9	276.4	3.3	976.1	311.1	2.8	913.4	349.6	2.4	855.1	393.0	2.0	687.0	379.6	1.6
6.0	1144.9	247.1	4.0	1074.1	277.6	3.4	1006.2	312.3	2.9	941.7	351.1	2.4	883.0	393.8	2.0	696.2	373.4	1.7
7.0	1177.7	248.3	4.1	1105.7	278.9	3.5	1036.7	313.5	2.9	970.9	352.2	2.5	911.0	394.8	2.1	705.0	367.4	1.7
8.0	1210.8	249.4	4.2	1137.5	280.1	3.6	1067.5	314.7	3.0	1000.7	353.2	2.6	939.5	395.8	2.2	713.5	361.6	1.8
9.0	1244.2	250.5	4.3	1169.5	281.3	3.7	1098.5	315.8	3.1	1030.6	354.3	2.6	968.3	396.8	2.2	721.7	355.9	1.8
10.0	1277.8	251.6	4.4	1201.9	282.5	3.7	1129.7	317.0	3.2	1060.9	355.4	2.7	997.3	397.9	2.3	729.5	350.5	1.9
11.0	1311.8	252.6	4.5	1234.7	283.6	3.8	1161.3	318.2	3.3	1091.4	356.5	2.8	1026.8	398.9	2.3	737.1	345.3	1.9
12.0	1345.9	253.5	4.6	1267.8	284.7	3.9	1193.1	319.3	3.3	1122.3	357.7	2.8	1053.4	398.5	2.4	744.3	340.2	2.0
13.0	1380.3	254.5	4.7	1301.1	285.7	4.0	1225.3	320.5	3.4	1153.4	358.9	2.9	1076.8	396.8	2.5	748.0	334.8	2.0

MODEL YCAS0328EB

5.0	1181.6	253.7	4.0	1107.9	285.4	3.4	1037.3	321.4	2.8	970.7	361.3	2.4	908.7	406.1	2.0	784.8	419.0	1.7
6.0	1216.3	255.0	4.1	1141.2	286.7	3.4	1069.5	322.5	2.9	1001.1	362.7	2.5	938.2	407.0	2.1	801.2	414.4	1.7
7.0	1251.3	256.1	4.2	1174.9	287.8	3.5	1102.0	323.6	3.0	1032.3	363.6	2.5	968.1	407.9	2.1	817.3	410.2	1.8
8.0	1286.6	257.2	4.3	1209.1	288.9	3.6	1134.8	324.6	3.1	1064.0	364.6	2.6	998.5	408.7	2.2	829.3	404.1	1.9
9.0	1322.0	258.2	4.4	1243.5	289.9	3.7	1167.9	325.7	3.2	1096.0	365.5	2.7	1029.2	409.5	2.3	838.0	396.8	1.9
10.0	1357.8	259.1	4.5	1278.2	290.9	3.8	1201.4	326.7	3.2	1128.3	366.5	2.7	1060.2	410.5	2.3	849.7	391.1	2.0
11.0	1393.8	260.0	4.6	1313.2	291.9	3.9	1235.1	327.7	3.3	1160.9	367.5	2.8	1091.7	411.4	2.4	858.9	384.8	2.0
12.0	1430.0	260.9	4.7	1348.5	292.9	4.0	1269.2	328.7	3.4	1193.9	368.5	2.9	1123.4	412.3	2.5	867.7	378.7	2.1
13.0	1466.3	261.7	4.8	1384.1	293.8	4.1	1303.5	329.8	3.5	1227.1	369.5	3.0	1155.5	413.3	2.5	872.9	372.2	2.1

NOTES:

1. kWo = Unit kW Cooling Capacity Output
2. kW_i = Compressor kW Input
3. COP = Coefficient of Performance (includes condenser fan power)
4. LCWT = Leaving Chilled Water Temperature
5. Ratings based on 0.15 l/s cooler water per ton.

LCWT (°C)	AIR TEMPERATURE – CONDENSER (°C)																	
	25			30			35			40			45			50		
	kWo	kWi	COP	kWo	kWi	COP	kWo	kWi	COP	kWo	kWi	COP	kWo	kWi	COP	kWo	kWi	

MODEL YCAS0358EB

5.0	1325.3	294.3	3.9	1242.6	330.6	3.3	1162.3	372.3	2.8	1086.7	418.8	2.3	1017.9	470.3	2.0	764.5	429.3	1.6
6.0	1364.1	295.8	4.0	1279.9	332.2	3.4	1198.2	373.8	2.9	1121.1	420.3	2.4	1051.2	471.4	2.0	774.5	422.7	1.7
7.0	1403.2	297.3	4.1	1317.7	333.6	3.5	1234.9	375.1	2.9	1155.9	421.8	2.5	1084.9	472.6	2.1	784.2	416.3	1.7
8.0	1442.7	298.7	4.2	1355.5	335.2	3.6	1271.6	376.6	3.0	1191.8	422.8	2.6	1119.0	473.8	2.2	793.6	410.1	1.7
9.0	1482.6	300.1	4.3	1393.0	337.1	3.7	1308.6	378.1	3.1	1227.5	424.2	2.6	1153.5	475.0	2.2	802.5	404.1	1.8
10.0	1522.8	301.4	4.4	1431.7	338.5	3.7	1345.9	379.6	3.2	1263.7	425.5	2.7	1188.4	476.2	2.3	811.2	398.4	1.8
11.0	1563.3	302.6	4.5	1470.8	339.9	3.8	1383.3	381.2	3.3	1300.2	427.0	2.8	1223.6	477.5	2.3	819.5	392.8	1.9
12.0	1604.1	303.8	4.6	1510.3	341.3	3.9	1421.4	382.6	3.3	1337.0	428.4	2.8	1250.9	475.1	2.4	827.4	387.5	1.9
13.0	1645.2	305.0	4.7	1550.1	342.6	4.0	1459.7	384.2	3.4	1374.3	429.9	2.9	1260.7	465.3	2.5	835.1	382.3	2.0

MODEL YCAS0398EB

5.0	1439.6	319.2	3.9	1349.8	358.9	3.3	1263.2	404.0	2.8	1181.9	454.2	2.3	1106.7	510.4	2.0	877.2	487.6	1.6
6.0	1481.7	320.9	4.0	1390.3	360.5	3.4	1302.2	405.6	2.9	1218.8	456.1	2.4	1142.8	511.6	2.0	888.9	479.7	1.7
7.0	1524.2	322.4	4.1	1431.2	362.1	3.5	1341.8	407.1	2.9	1256.6	457.6	2.5	1179.2	512.9	2.1	900.3	472.0	1.7
8.0	1567.0	324.0	4.2	1472.4	363.7	3.6	1381.7	408.7	3.0	1295.2	458.8	2.5	1216.1	514.1	2.2	911.1	464.6	1.8
9.0	1610.3	325.4	4.3	1513.6	365.5	3.6	1421.8	410.2	3.1	1334.0	460.2	2.6	1253.5	515.4	2.2	921.6	457.5	1.8
10.0	1653.9	326.8	4.4	1555.7	366.9	3.7	1462.3	411.8	3.2	1373.2	461.7	2.7	1291.1	516.8	2.3	931.6	450.6	1.9
11.0	1697.9	328.1	4.5	1598.1	368.4	3.8	1503.2	413.3	3.2	1412.8	463.1	2.8	1329.3	518.1	2.3	941.2	444.0	1.9
12.0	1742.2	329.4	4.6	1641.0	369.8	3.9	1544.5	414.8	3.3	1452.8	464.7	2.8	1363.0	517.4	2.4	950.4	437.6	2.0
13.0	1786.7	330.6	4.7	1684.2	371.2	4.0	1586.1	416.4	3.4	1493.2	466.2	2.9	1388.8	513.2	2.5	957.1	431.0	2.0

MODEL YCAS0418EB

5.0	1550.1	359.0	3.8	1453.3	403.8	3.2	1360.3	454.3	2.7	1273.4	510.7	2.3	1187.2	570.4	1.9	880.7	511.9	1.6
6.0	1594.9	361.2	3.9	1496.3	406.1	3.3	1402.0	456.4	2.8	1312.9	512.9	2.3	1213.5	564.7	2.0	892.2	504.0	1.6
7.0	1640.2	363.3	4.0	1539.6	408.3	3.4	1444.1	458.4	2.8	1353.3	514.8	2.4	1242.1	560.8	2.0	903.3	496.5	1.7
8.0	1685.9	365.3	4.0	1583.6	410.3	3.4	1485.9	460.9	2.9	1394.3	516.7	2.5	1269.0	556.0	2.1	914.0	489.1	1.7
9.0	1731.8	367.3	4.2	1628.0	412.4	3.5	1528.8	462.9	3.0	1435.7	518.6	2.5	1295.9	551.6	2.2	924.3	482.1	1.7
10.0	1778.1	369.2	4.2	1672.8	414.3	3.6	1572.0	464.9	3.0	1476.9	520.9	2.6	1322.8	547.4	2.2	934.1	475.2	1.8
11.0	1825.0	371.1	4.3	1718.0	416.3	3.7	1615.7	466.9	3.1	1519.1	522.9	2.7	1349.7	543.4	2.3	943.6	468.6	1.8
12.0	1872.1	372.9	4.4	1763.6	418.2	3.8	1659.7	468.9	3.2	1561.6	525.0	2.7	1376.6	539.5	2.3	952.6	462.3	1.9
13.0	1919.8	374.6	4.5	1809.6	420.2	3.9	1704.1	471.0	3.3	1604.6	527.1	2.8	1403.5	535.9	2.4	959.1	455.7	1.9

NOTES:

1. kWo = Unit kW Cooling Capacity Output
2. kWi = Compressor kW Input
3. COP = Coefficient of Performance (includes condenser fan power)
4. LCWT = Leaving Chilled Water Temperature
5. Ratings based on 0.15 l/s cooler water per ton.

Physical Data – R-407C Optimized (English)

Refrigerant R-407C Optimized	MODEL NUMBER YCAS								
	0098EB	0118EB	0128EB	0138EB	0148EB	0158EB	0178EB	0198EB	0208EB
General Unit Data									
Unit Capacity at 44°F water & 95°F ambient, TR	87.3	106.7	112.1	126.8	130.5	145.5	164.2	178.1	192.8
Number of Independent Refrigerant Circuits	2	2	2	2	2	2	2	2	2
Refrigerant Charge, R-407C, Ckt.-1/Ckt.-2, lbs.	165/165	172/165	187/180	187/187	187/187	194/187	194/194	220/213	220/220
Oil Charge, Ckt.-1/Ckt.-2, gal.	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4
Shipping Weight:									
Aluminum Fin Coils, lbs.	9,385	9,729	12,229	11,505	12,574	12,486	12,690	13,700	13,854
Copper Fin Coils, lbs.	10,285	10,629	13,489	12,765	13,834	13,746	13,950	15,224	15,378
Operating Weight:									
Aluminum Fin Coils, lbs.	9,641	9,985	12,930	12,199	13,275	13,187	13,391	14,401	14,555
Copper Fin Coils, lbs.	10,541	10,885	14,190	13,459	14,535	14,447	14,651	15,925	16,079
Compressors, DXS Semihhermetic Twin Screw									
Quantity per Chiller	2	2	2	2	2	2	2	2	2
Nominal Size, Ckt.-1 / Ckt.-2	45/45	63/45	63/45	63/63	63/63	82/63	82/82	100/82	100/100
Condensers, High Efficiency Fin / Tube with Integral Subcooler									
Total Chiller Coil Face Area, ft ²	192	192	256	256	256	256	256	320	320
Number of Rows	3	3	3	3	3	3	3	3	3
Fins per inch	13	13	13	13	13	13	13	13	13
Condenser Fans									
Number, Ckt.-1/Ckt.-2	3/3	3/3	4/4	4/4	4/4	4/4	4/4	5/5	5/5
Standard Fans									
Fan Motor, HP / kW	2/1.8	2/1.8	2/1.8	2/1.8	2/1.8	2/1.8	2/1.8	2/1.8	2/1.8
Fan & Motor Speed, revs./min.	1140.0	1140.0	1140.0	1140.0	1140.0	1140.0	1140.0	1140.0	1140.0
Fan Diameter, inches	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
Fan Tip Speed, ft./min.	10,575	10,575	10,575	10,575	10,575	10,575	10,575	10,575	10,575
Total Chiller Airflow, cfm	84,600	84,600	112,800	112,800	112,800	112,800	112,800	141,000	141,000
Low Noise Fans									
Fan Motor, HP / kW	2/1.53	2/1.53	2/1.53	2/1.53	2/1.53	2/1.53	2/1.53	2/1.53	2/1.53
Fan & Motor Speed, revs./min.	850	850	850	850	850	850	850	850	850
Fan Diameter, inches	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
Fan Tip Speed, ft./min.	7,884	7,884	7,884	7,884	7,884	7,884	7,884	7,884	7,884
Total Chiller Airflow, cfm	82,800	82,800	110,400	110,400	110,400	110,400	110,400	138,000	138,000
High External Static Fans									
Fan Motor, HP / kW	5/3.3	5/3.3	5/3.3	5/3.3	5/3.3	5/3.3	5/3.3	5/3.3	5/3.3
Fan & Motor Speed, revs./min.	1140.0	1140.0	1140.0	1140.0	1140.0	1140.0	1140.0	1140.0	1140.0
Fan Diameter, inches	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
Fan Tip Speed, ft./min.	10,575	10,575	10,575	10,575	10,575	10,575	10,575	10,575	10,575
Total Chiller Airflow, cfm (at 0.4 in. of H ₂ O external static)	84,600	84,600	112,800	112,800	112,800	112,800	112,800	141,000	141,000
Evaporator, Direct Expansion									
Water Volume, gals.	38.4	38.4	91.7	38.4	91.7	91.7	91.7	91.7	91.7
Maximum ¹ Water Side Pressure, PSIG	150	150	150	150	150	150	150	150	150
Maximum Refrigerant Side Pressure, PSIG	350	350	350	350	350	350	350	350	350
Minimum Chilled Water Flow Rate, gpm	141	141	180	141	180	180	180	180	180
Maximum Chilled Water Flow Rate, gpm	403	403	768	403	768	768	768	768	768
Water Connections, inches	6	6	8	6	8	8	8	8	8

NOTE:

¹ Optional 300 PSIG waterside available

MODEL NUMBER YCAS								
0218EB	0248EB	0268EB	0288EB	0308EB	0328EB	0358EB	0398EB	0418EB
208.3	234.8	257.5	272.0	291.9	310.3	347.6	377.8	406.7
3	3	3	3	3	3	4	4	4
187/187/187	187/187/201	194/194/194	201/194/194	220/220/194	220/220/233	194/194/194/194	220/220/194/194	220/220/194/194
4/4/4	4/4/4	4/4/4	4/4/4	4/4/4	4/4/4	4/4/4/4	4/4/4/4	4/4/4/4
19,269	20,040	20,176	20,314	21,462	22,054	26,206	27,223	27,363
21,158	21,935	22,064	22,202	23,286	24,206	28,837	30,208	30,431
20,731	21,488	21,617	21,802	22,918	23,563	27,975	29,301	29,441
22,620	23,383	23,505	23,690	24,742	25,715	30,606	32,286	32,509
3	3	3	3	3	3	4	4	4
63/63/63	63/63/100	82/82/82	100/82/82	100/100/82	100/100/100	82/82/82/82	100/100/82/82	100/100/82/82
384	384	384	384	448	512	512	576	576
3	3	3	3	3	3	3	3	3
13	13	13	13	13	13	13	13	13
4/4/4	4/4/4	4/4/4	4/4/4	5/5/4	5/5/6	4/4/4/4	5/5/4/4	5/5/4/4
3/2.8	3/2.8	3/2.8	3/2.8	3/2.8	3/2.8	3/2.8	3/2.8	3/2.8
1140	1140	1140	1140	1140	1140	1140	1140	1140
35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
10,575	10,575	10,575	10,575	10,575	10,575	10,575	10,575	10,575
186,000	186,000	186,000	186,000	217,000	248,000	248,000	279,000	279,000
3/1.97	3/197	3/1.97	3/1.97	3/197	3/1.97	3/1.97	3/197	3/1.97
850	850	850	850	850	850	850	850	850
35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
7,884	7,884	7,884	7,884	7,884	7,884	7,884	7,884	7,884
182,400	182,400	182,400	182,400	212,800	243,200	243,200	273,600	273,600
5/3.3	5/3.3	5/3.3	5/3.3	5/3.3	5/3.3	5/3.3	5/3.3	5/3.3
1140	1140	1140	1140	1140	1140	1140	1140	1140
35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
10,575	10,575	10,575	10,575	10,575	10,575	10,575	10,575	10,575
186,000	186,000	186,000	186,000	217,000	248,000	248,000	279,000	279,000
201	201	201	242	242	242	268	268	268
150	150	150	150	150	150	150	150	150
50	350	350	350	350	350	350	350	350
318	318	318	415	415	415	530	530	530
1072	1072	1072	1205	1205	1205	1601	1601	1601
10	10	10	10	10	10	10	10	10

NOTE:

¹ Optional 300 PSIG waterside available

Physical Data – R-407C Optimized (SI)

Refrigerant R-407C Optimized	MODEL NUMBER YCAS								
	0098EB	0118EB	0128EB	0138EB	0148EB	0158EB	0178EB	0198EB	0208EB
General Unit Data									
Unit Capacity at 7°C water & 35°C ambient, kW	310	379	398	444	466	517	583	632	685
Number of Independent Refrigerant Circuits	2	2	2	2	2	2	2	2	2
Refrigerant Charge, R-407C, Ckt.-1/Ckt.-2, kg.	75/75	78/75	85/82	85/85	85/85	88/85	88/88	100/97	100/100
Oil Charge, Ckt.-1/Ckt.-2, liters	15/15	15/15	15/15	15/15	15/15	15/15	15/15	15/15	15/15
Shipping Weight:									
Aluminum Fin Coils, kg.	4,257	4,413	5,547	5,219	5,703	5,664	5,756	6,214	6,284
Copper Fin Coils, kg.	4,665	4,821	6,119	5,790	6,275	6,235	6,328	6,905	6,975
Operating Weight:									
Aluminum Fin Coils, kg.	4,373	4,529	5,865	5,533	6,021	5,982	6,074	6,532	6,602
Copper Fin Coils, kg.	4,781	4,937	6,436	6,105	6,593	6,553	6,646	7,223	7,293
Compressors, DXS Semihermetic Twin Screw									
Quantity per Chiller	2	2	2	2	2	2	2	2	2
Nominal Size, Ckt.-1 / Ckt.-2	175/175	225/175	225/175	225/225	225/225	285/225	285/285	335/285	335/335
Condensers, High Efficiency Fin / Tube with Integral Subcooler									
Total Chiller Coil Face Area, m ²	17.84	17.84	23.78	23.78	23.78	23.78	23.78	29.73	29.73
Number of Rows	3	3	3	3	3	3	3	3	3
Fins per meter	512	512	512	512	512	512	512	512	512
Condenser Fans									
Number, Ckt.-1/Ckt.-2	3/3	3/3	4/4	4/4	4/4	4/4	4/4	5/5	5/5
Standard Fans									
Fan Motor, HP / kW	2/1.8	2/1.8	2/1.8	2/1.8	2/1.8	2/1.8	2/1.8	2/1.8	2/1.8
Fan & Motor Speed, revs./sec.	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
Fan Diameter, mm	900	900	900	900	900	900	900	900	900
Fan Tip Speed, m/sec.	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
Total Chiller Airflow, l/sec.	39,930	39,930	53,240	53,240	53,240	53,240	53,240	66,550	66,550
Low Noise Fans									
Fan Motor, HP / kW	2/1.53	2/1.53	2/1.53	2/1.53	2/1.53	2/1.53	2/1.53	2/1.53	2/1.53
Fan & Motor Speed, revs./sec.	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
Fan Diameter, mm	900	900	900	900	900	900	900	900	900
Fan Tip Speed, m/sec.	40	40	40	40	40	40	40	40	40
Total Chiller Airflow, l/sec.	39,300	39,300	52,400	52,400	52,400	52,400	52,400	65,500	65,500
High External Static Fans									
Fan Motor, HP / kW	5/3.3	5/3.3	5/3.3	5/3.3	5/3.3	5/3.3	5/3.3	5/3.3	5/3.3
Fan & Motor Speed, revs./sec.	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
Fan Diameter, mm	900	900	900	900	900	900	900	900	900
Fan Tip Speed, m/sec.	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
Total Chiller Airflow, l/sec. (at 100 Pa external static)	39,930	39,930	53,240	53,240	53,240	53,240	53,240	66,550	66,550
Evaporator, Direct Expansion									
Water Volume, liters	145.3	145.3	347.1	145.3	347.2	347.2	347.2	347.2	347.2
Maximum ¹ Water Side Pressure, Bar	10	10	10	10	10	10	10	10	10
Maximum Refrigerant Side Pressure, Bar	24	24	24	24	24	24	24	24	24
Minimum Chilled Water Flow Rate, l/s	8.90	8.90	11.30	8.90	11.30	11.30	11.30	11.30	11.30
Maximum Chilled Water Flow Rate, l/s	25.43	25.43	48.45	25.43	48.45	48.45	48.45	48.45	48.45
Water Connections, inches	6	6	8	6	8	8	8	8	8

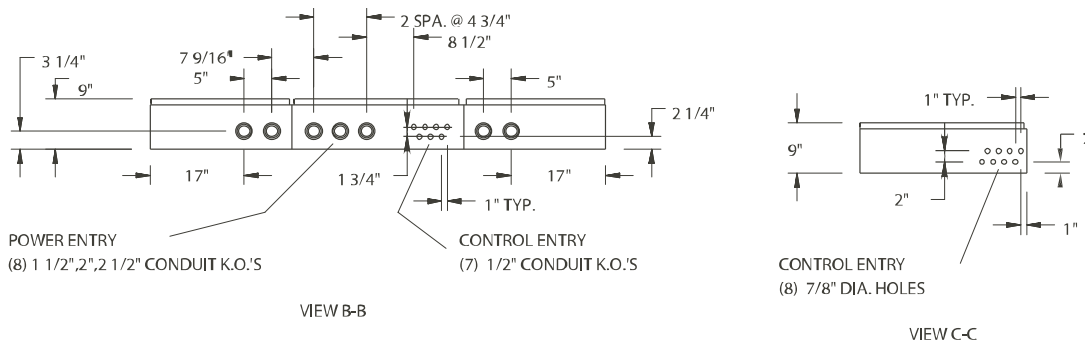
NOTE:

- ¹ Optional 21 Bar Waterside available

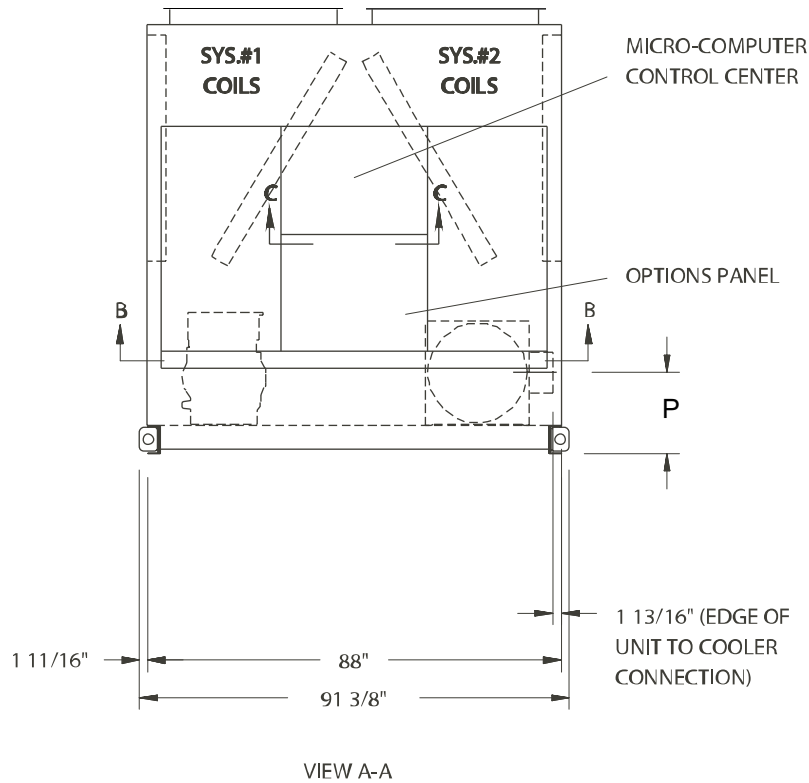
MODEL NUMBER YCAS								
0218EB	0248EB	0268EB	0288EB	0308EB	0328EB	0358EB	0398EB	0418EB
740	834	914	966	1037	1102	1235	1342	1444
3	3	3	3	3	3	4	4	4
85/85/85	85/85/91	88/88/88	91/88/88	100/100/88	100/100/106	88/88/88/88	100/100/88/88	100/100/88/88
15/15/15	15/15/15	15/15/15	15/15/15	15/15/15	15/15/15	15/15/15/15	15/15/15/15	15/15/15/15
8,740	9,090	9,152	9,214	9,735	10,004	11,887	12,348	12,412
9,597	9,950	10,008	10,071	10,562	10,980	13,080	13,702	13,803
9,403	9,747	9,805	9,889	10,395	10,688	12,689	13,291	13,354
10,260	10,606	10,662	10,746	11,223	11,664	13,883	14,645	14,746
3	3	3	3	3	3	4	4	4
225/225/225	225/225/335	285/285/285	335/285/285	335/335/285	335/335/335	285/285/285/285	335/335/285/285	335/335/335/335
35.7	35.7	35.7	35.7	41.6	47.6	47.6	53.5	53.5
3	3	3	3	3	3	3	3	3
512	512	512	512	512	512	512	512	512
4/4/4	4/4/4	4/4/4	4/4/4	5/5/4	5/5/6	4/4/4/4	5/5/4/4	5/5/4/4
3/2.8	3/2.8	3/2.8	3/2.8	3/2.8	3/2.8	3/2.8	3/2.8	3/2.8
19	19	19	19	19	19	19	19	19
900	900	900	900	900	900	900	900	900
53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
87,783	87,783	87,783	87,783	102,413	117,043	117,043	131,674	131,674
3/1.97	3/1.97	3/1.97	3/1.97	3/1.97	3/1.97	3/1.97	3/1.97	3/1.97
14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
900	900	900	900	900	900	900	900	900
40	40	40	40	40	40	40	40	40
86,083	86,083	86,083	86,083	100,430	114,778	114,778	129,125	129,125
5/3.3	5/3.3	5/3.3	5/3.3	5/3.3	5/3.3	5/3.3	5/3.3	5/3.3
19	19	19	19	19	19	19	19	19
900	900	900	900	900	900	900	900	900
53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
87,783	87,783	87,783	87,783	102,413	117,043	117,043	131,674	131,674
762	762	762	914	914	914	1013	1013	1013
10	10	10	10	10	10	10	10	10
24	24	24	24	24	24	24	24	24
20	20	20	26	26	26	34	34	34
67.64	67.64	67.64	76	76	76	101	101	101
254	254	254	254	254	254	254	254	254

NOTE:¹ Optional 21 Bar waterside available

Dimensions – YCAS0098EB - YCAS0118EB (English)



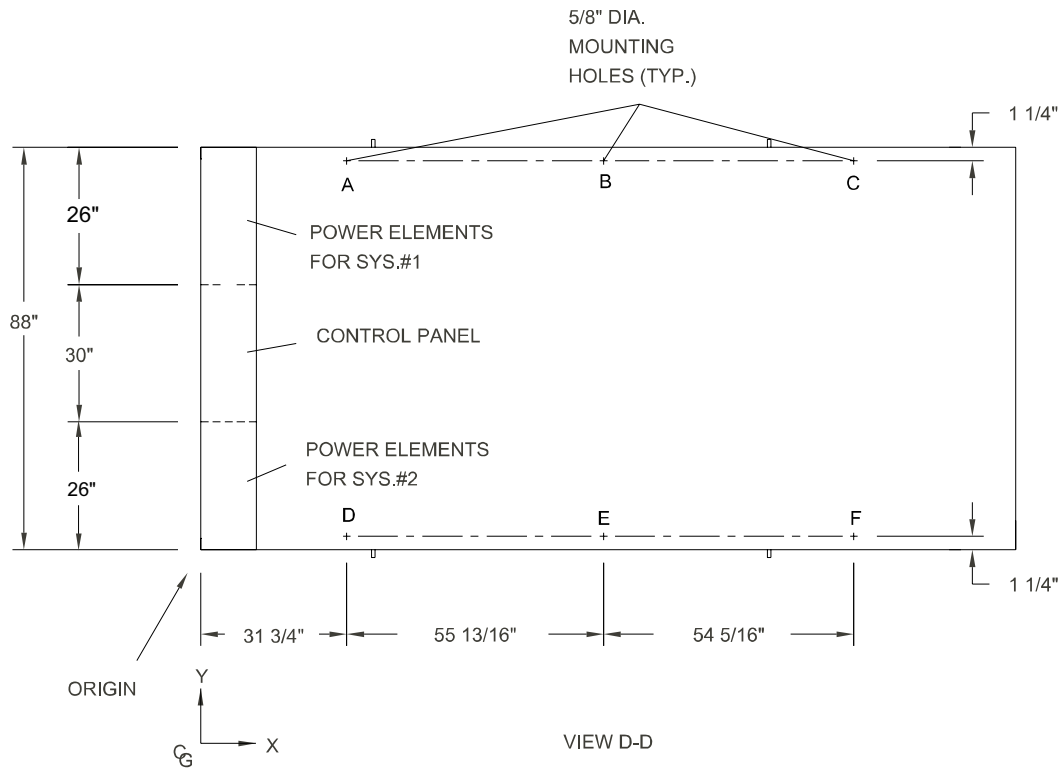
LD05149



LD05399

NOTES:

1. Placement on a level surface free of obstructions (including snow, for winter operation) or air recirculation ensures rated performance, reliable operation and ease of maintenance. Site restrictions may compromise minimum clearances indicated below, resulting in unpredictable air flow patterns and possible diminished performance. YORK's unit controls will optimize operation without nuisance high pressure safety cutout; however, the system designer must consider potential performance degradation. Access to the unit control center assumes the unit is no higher than on spring isolators. Recommended minimum clearances: Side to wall - 6'; rear to wall - 6'; control panel end to wall - 4'; top - no obstructions allowed; distance between adjacent units - 10'. No more than one adjacent wall may be higher than the unit.



LD05184

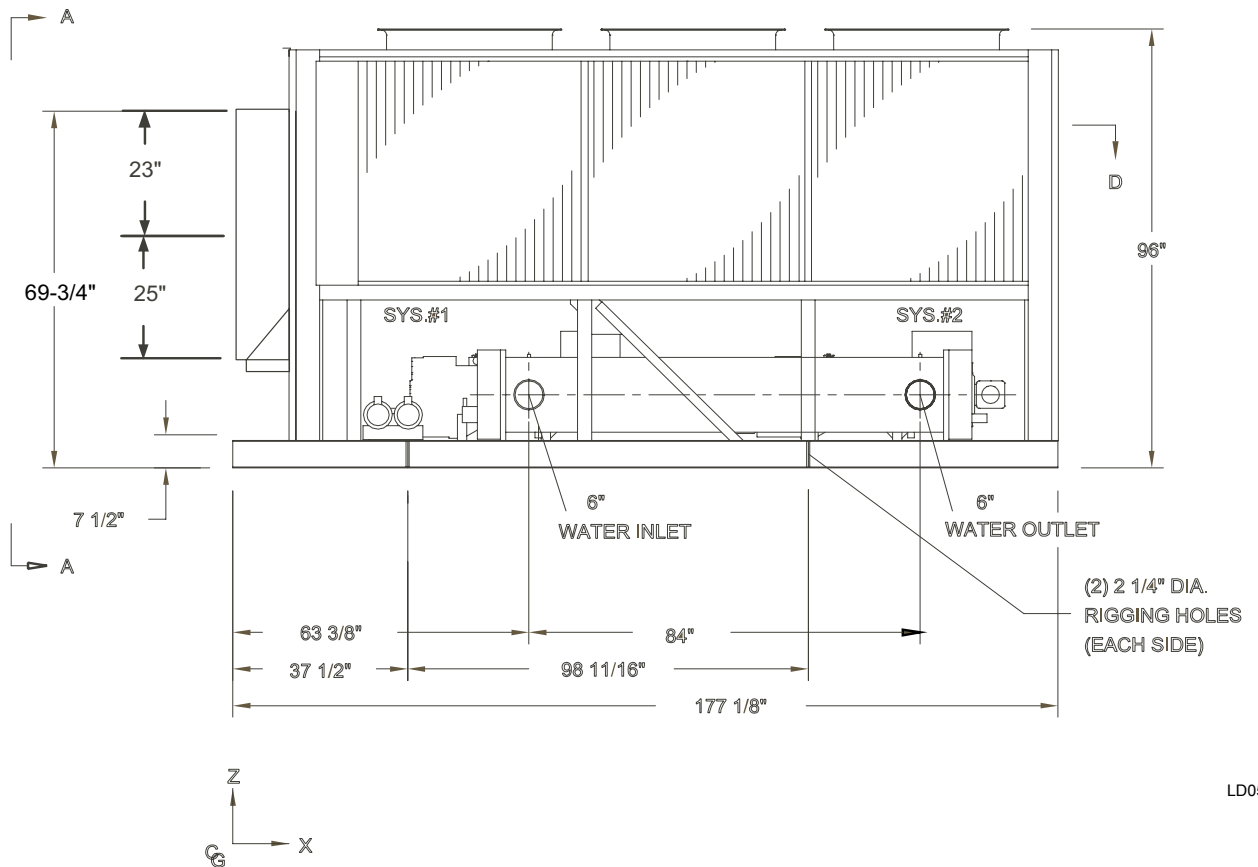
VIEW D-D

CENTER OF GRAVITY (Alum.)

YCAS	X	Y	Z
0098	77.5	44.9	38.8
0118	76.9	45.0	38.3

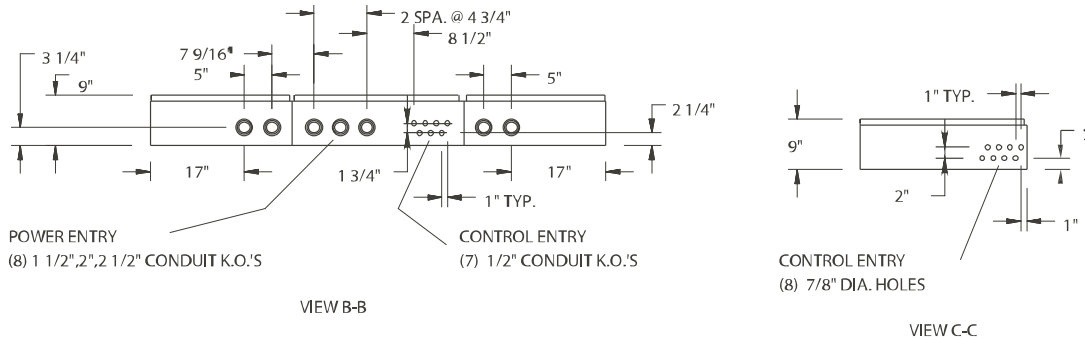
CENTER OF GRAVITY (Copper)

YCAS	X	Y	Z
0098	77.4	44.8	41.0
0118	77.3	45.0	38.3

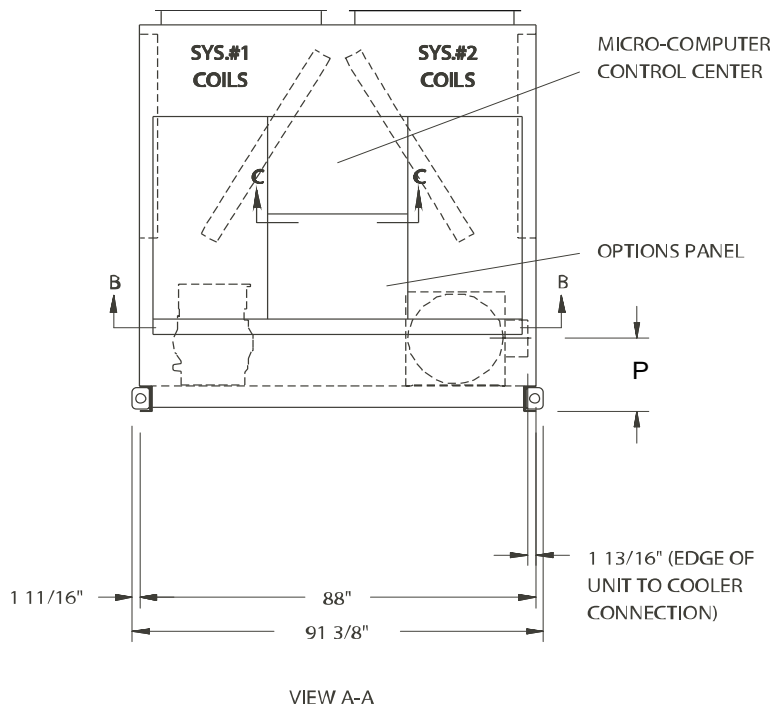


LD05163

Dimensions – YCAS0128EB (English)



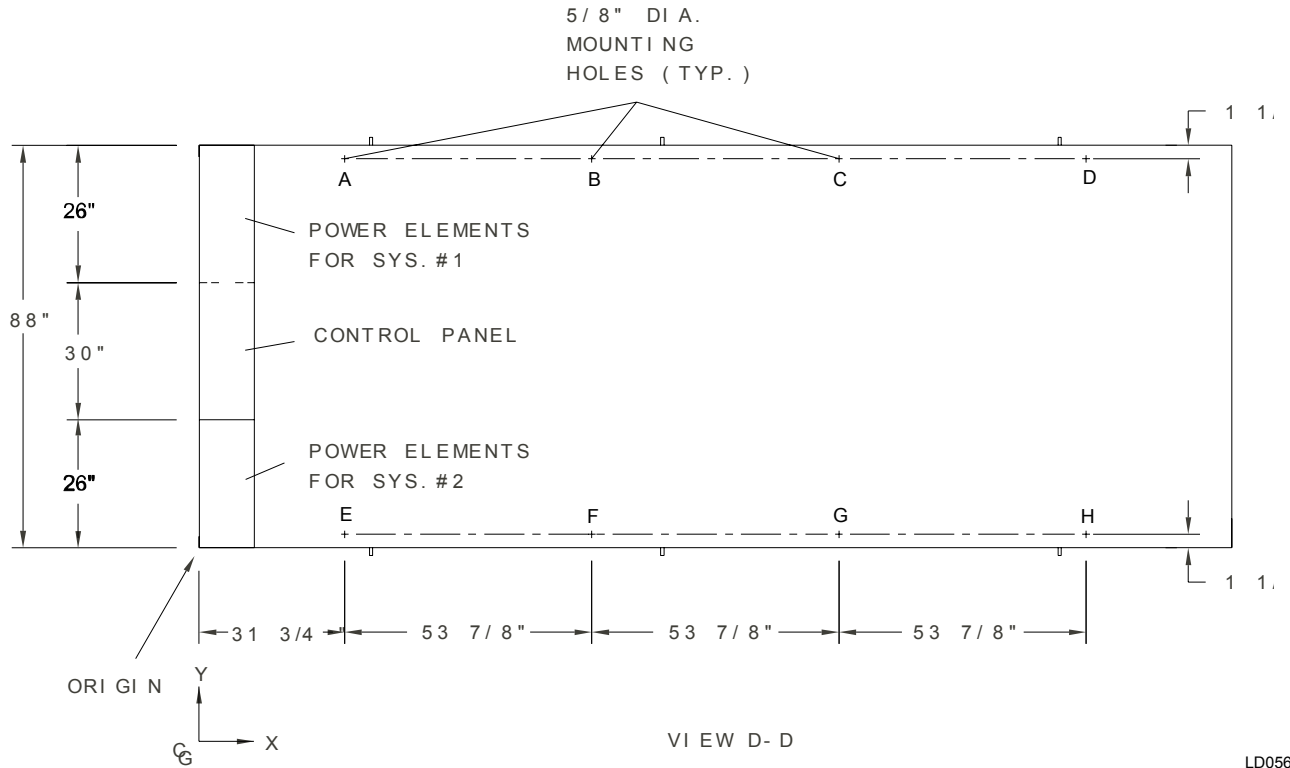
LD05637



LD05638

NOTES:

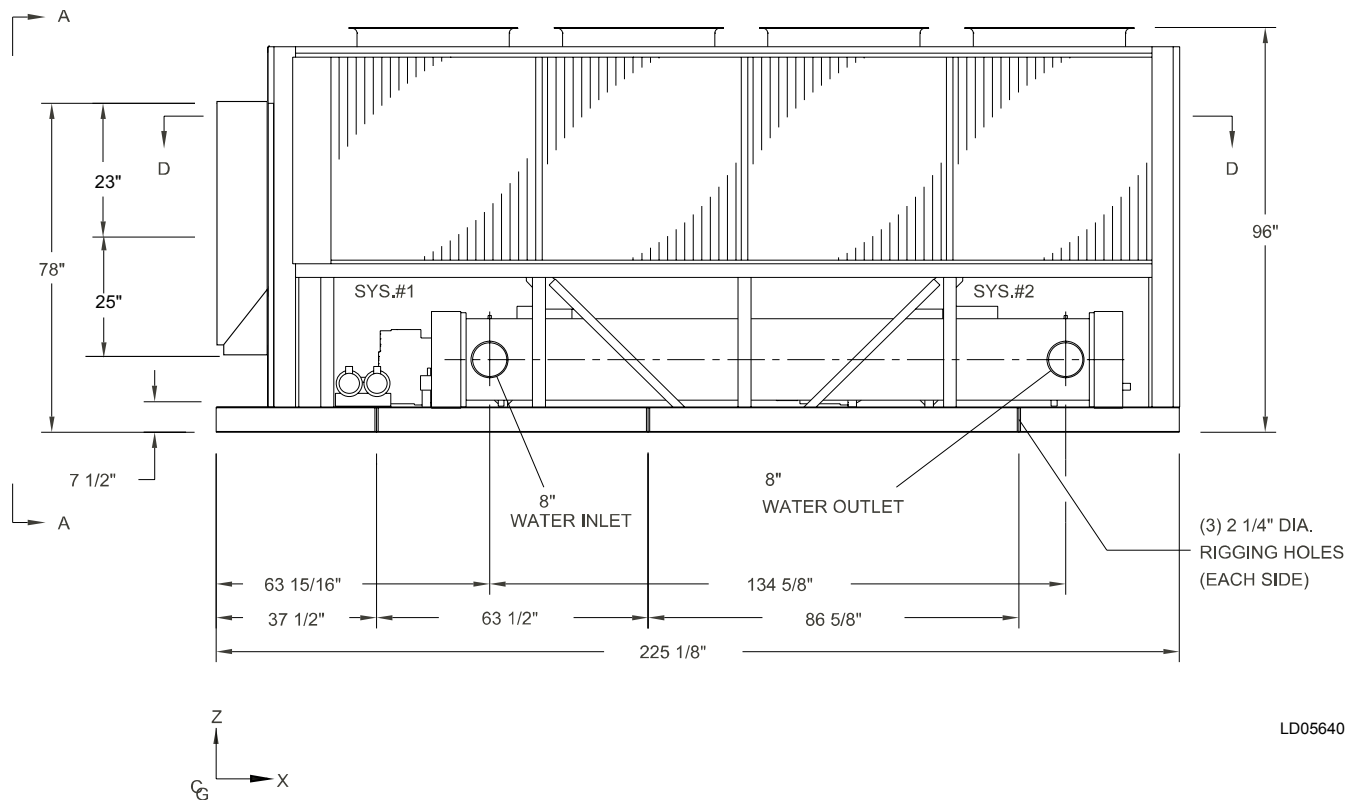
1. Placement on a level surface free of obstructions (including snow, for winter operation) or air recirculation ensures rated performance, reliable operation and ease of maintenance. Site restrictions may compromise minimum clearances indicated below, resulting in unpredictable air flow patterns and possible diminished performance. YORK's unit controls will optimize operation without nuisance high pressure safety cutout; however, the system designer must consider potential performance degradation. Access to the unit control center assumes the unit is no higher than on spring isolators. Recommended minimum clearances: Side to wall - 6'; rear to wall - 6'; control panel end to wall - 4'; top - no obstructions allowed; distance between adjacent units - 10'. No more than one adjacent wall may be higher than the unit.



LD05639

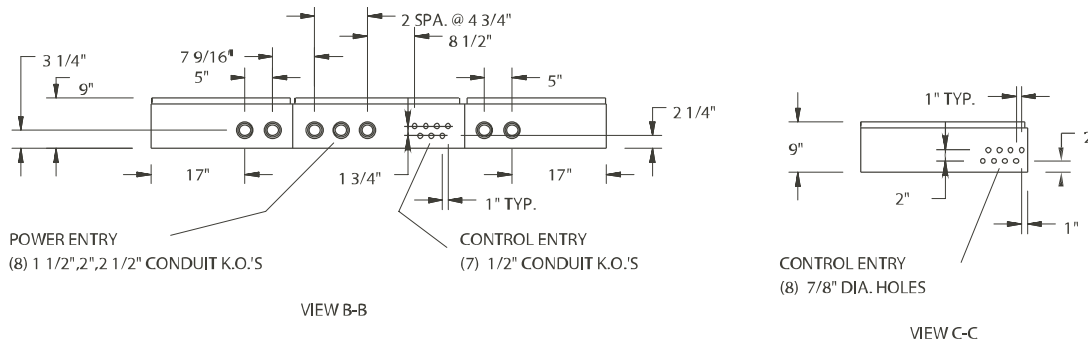
CENTER OF GRAVITY (Alum.)			
YCAS	X	Y	Z
0128	105.9	42.6	37.1

CENTER OF GRAVITY (Copper)			
YCAS	X	Y	Z
0128	107.4	42.8	38.6

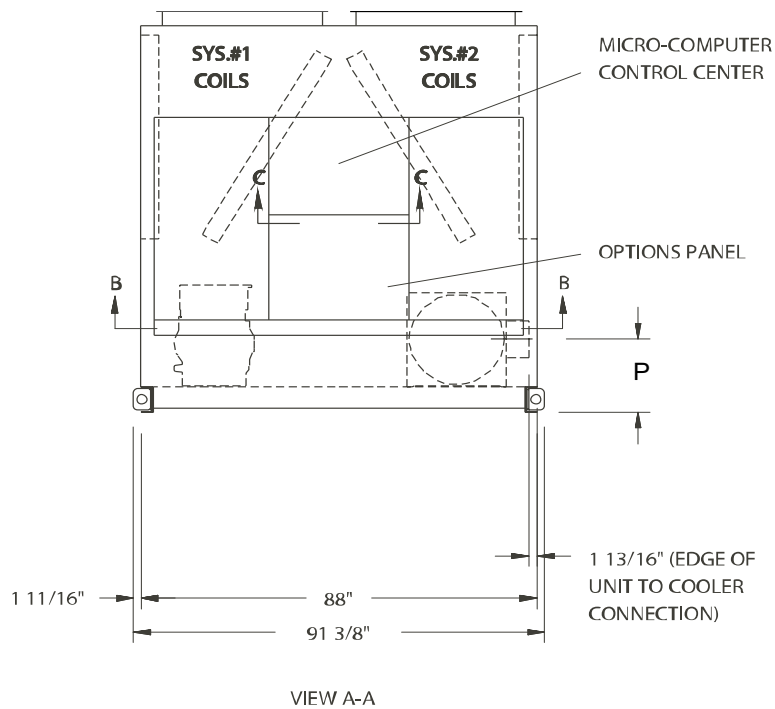


LD05640

Dimensions – YCAS0138EB (English)



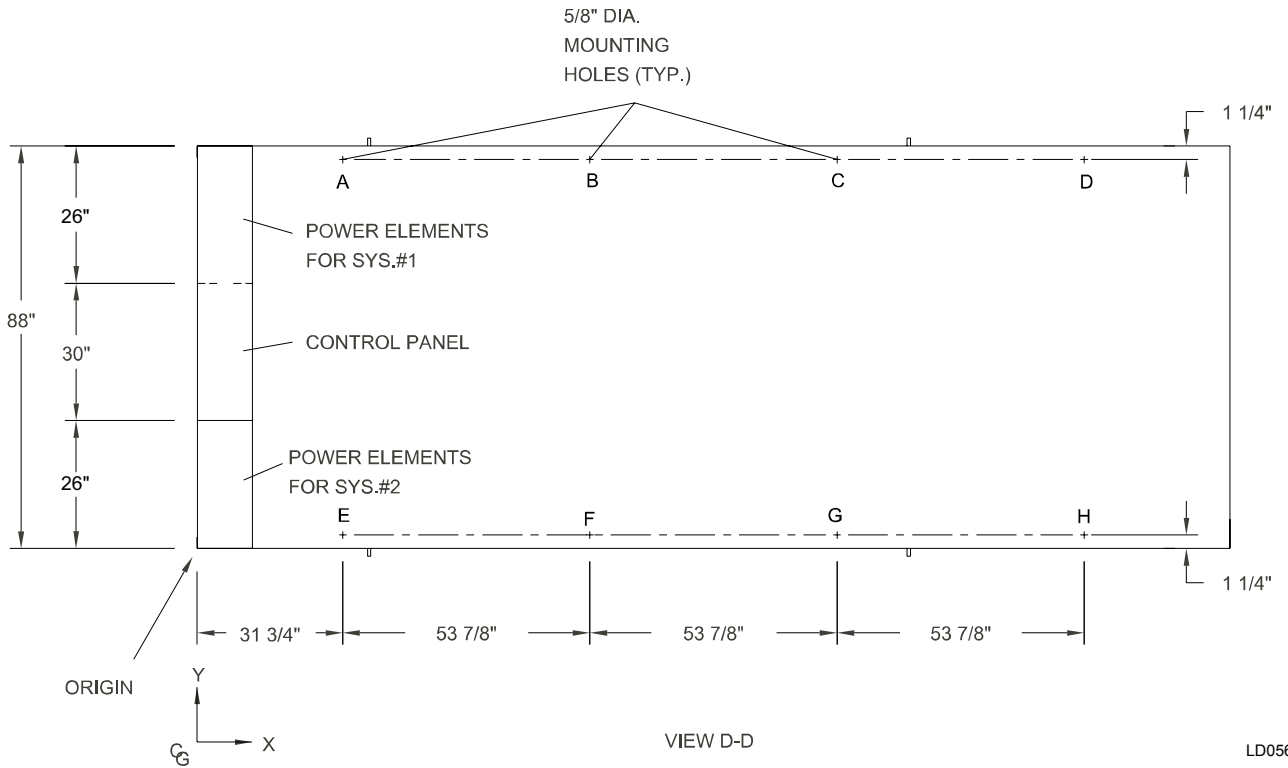
LD05641



LD05642

NOTES:

1. Placement on a level surface free of obstructions (including snow, for winter operation) or air recirculation ensures rated performance, reliable operation and ease of maintenance. Site restrictions may compromise minimum clearances indicated below, resulting in unpredictable air flow patterns and possible diminished performance. YORK's unit controls will optimize operation without nuisance high pressure safety cutout; however, the system designer must consider potential performance degradation. Access to the unit control center assumes the unit is no higher than on spring isolators. Recommended minimum clearances: Side to wall - 6'; rear to wall - 6'; control panel end to wall - 4'; top - no obstructions allowed; distance between adjacent units - 10'. No more than one adjacent wall may be higher than the unit.

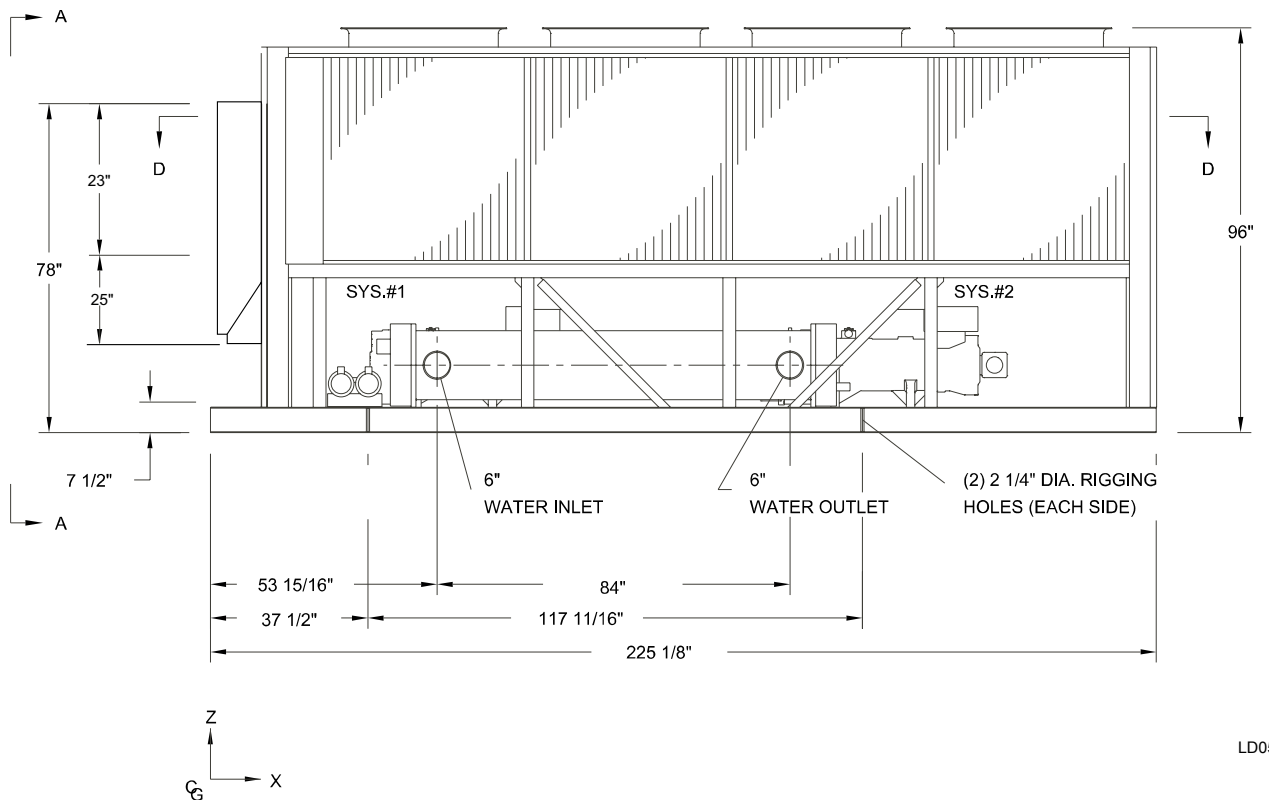


CENTER OF GRAVITY (Alum.)

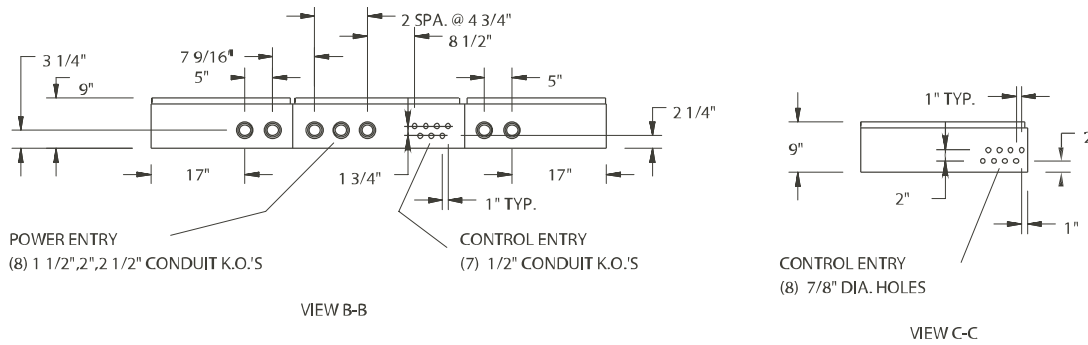
YCAS	X	Y	Z
0138	104.1	45.2	38.8

CENTER OF GRAVITY (Copper)

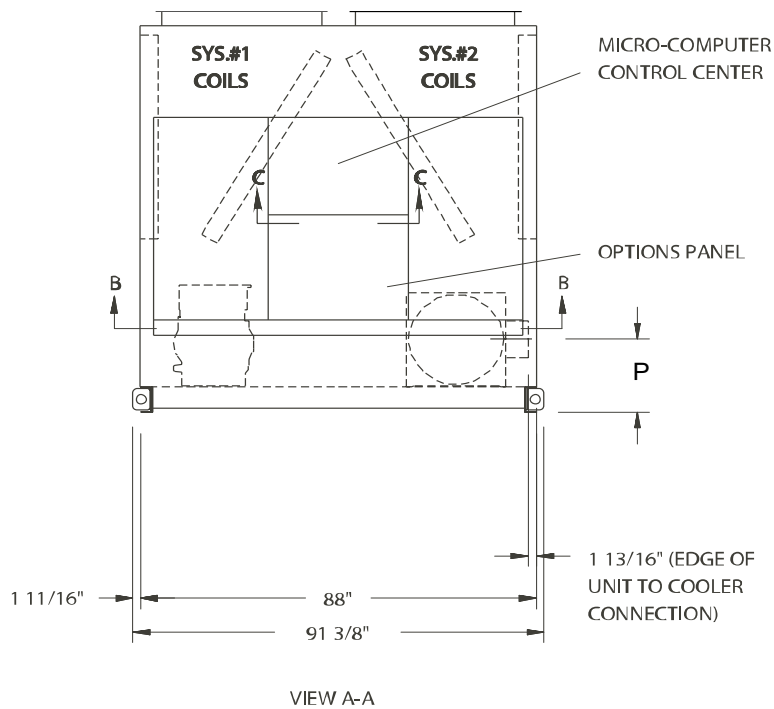
YCAS	X	Y	Z
0138	105.9	45.1	40.2



Dimensions – YCAS0148EB - YCAS0178EB (English)



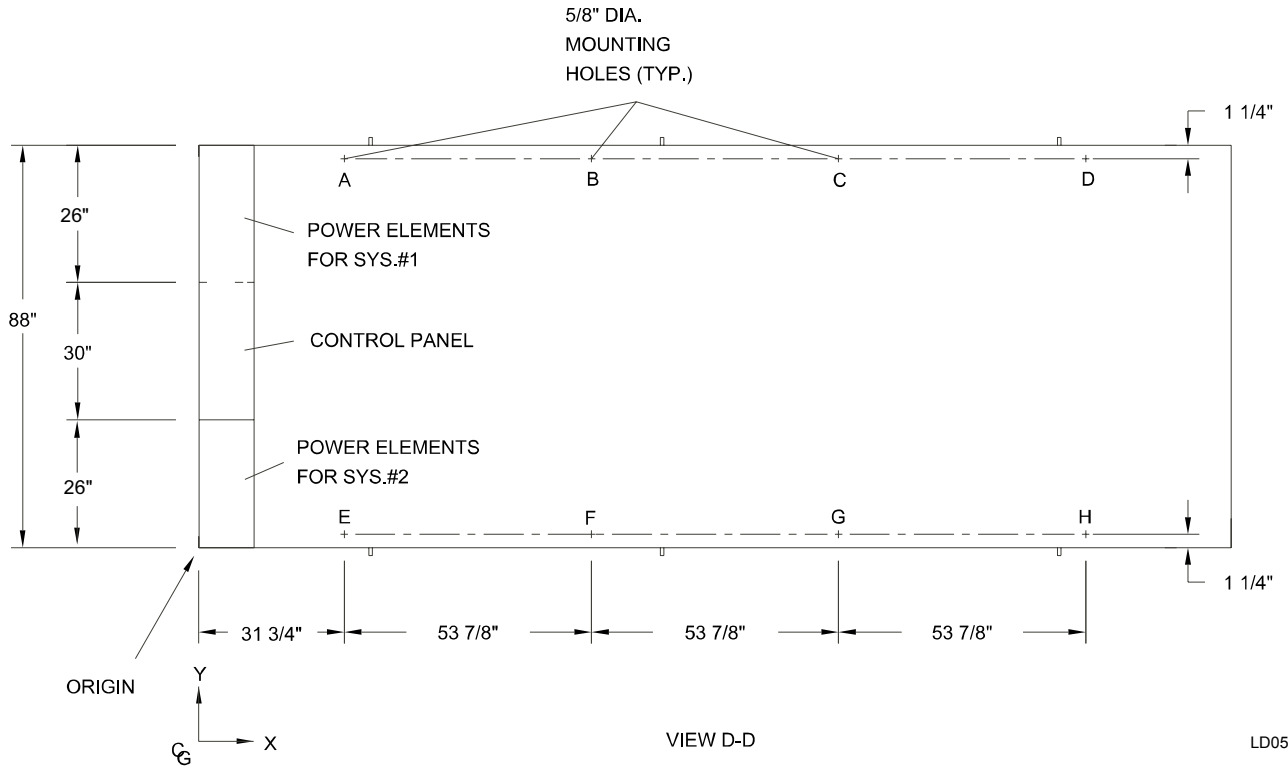
LD05645



LD05646

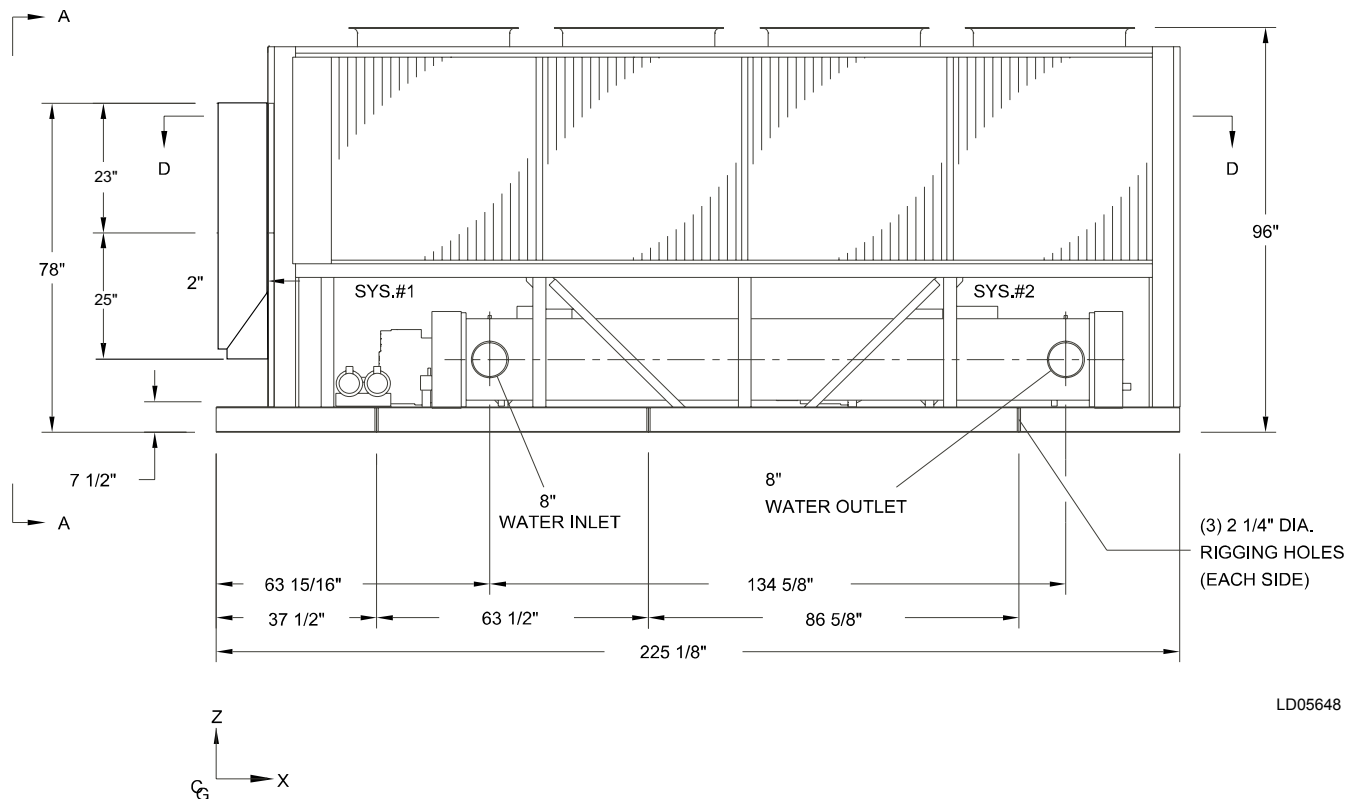
NOTES:

1. Placement on a level surface free of obstructions (including snow, for winter operation) or air recirculation ensures rated performance, reliable operation and ease of maintenance. Site restrictions may compromise minimum clearances indicated below, resulting in unpredictable air flow patterns and possible diminished performance. YORK's unit controls will optimize operation without nuisance high pressure safety cutout; however, the system designer must consider potential performance degradation. Access to the unit control center assumes the unit is no higher than on spring isolators. Recommended minimum clearances: Side to wall - 6'; rear to wall - 6'; control panel end to wall - 4'; top - no obstructions allowed; distance between adjacent units - 10'. No more than one adjacent wall may be higher than the unit.

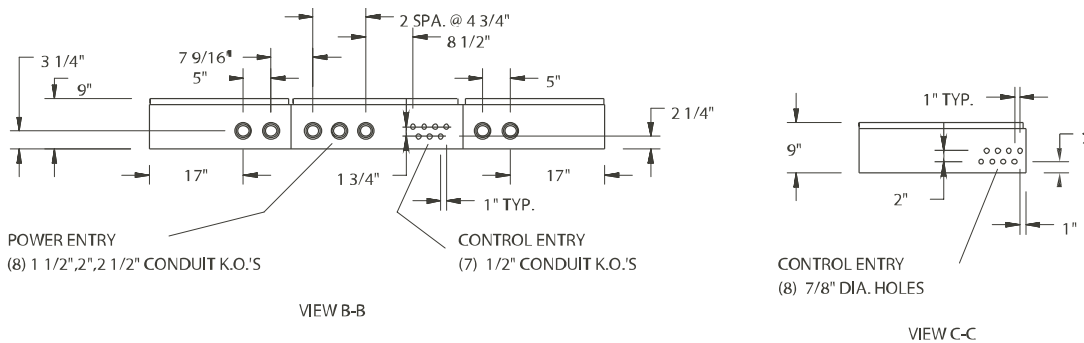


CENTER OF GRAVITY (Alum.)			
YCAS	X	Y	Z
0148	106.6	42.8	36.6
0158	106.3	42.8	36.5
0178	106.5	42.9	36.5

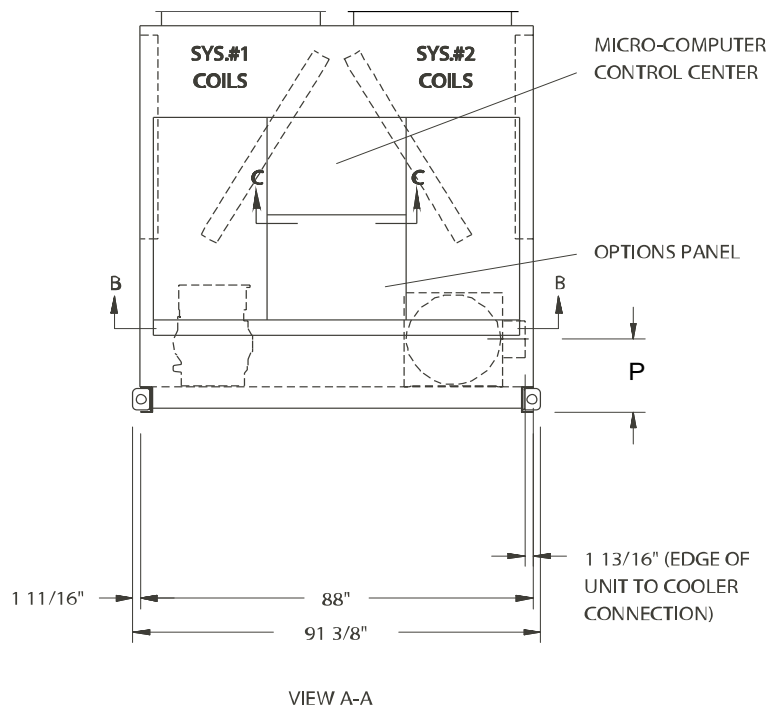
CENTER OF GRAVITY (Copper)			
YCAS	X	Y	Z
0148	108.0	42.9	38.1
0158	107.8	42.9	38.0
0178	108.0	43.0	38.0



Dimensions – YCAS0198EB - YCAS0208EB (English)



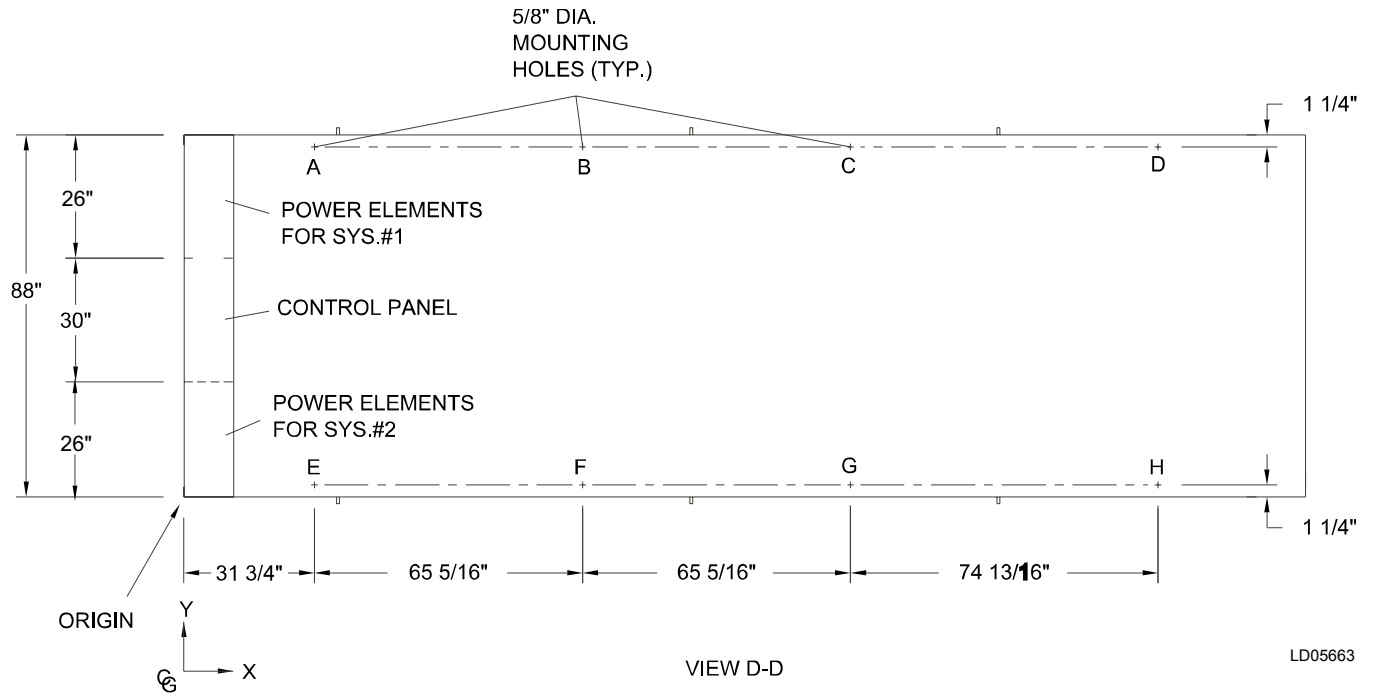
LD05657



LD05658

NOTES:

1. Placement on a level surface free of obstructions (including snow, for winter operation) or air recirculation ensures rated performance, reliable operation and ease of maintenance. Site restrictions may compromise minimum clearances indicated below, resulting in unpredictable air flow patterns and possible diminished performance. YORK's unit controls will optimize operation without nuisance high pressure safety cutout; however, the system designer must consider potential performance degradation. Access to the unit control center assumes the unit is no higher than on spring isolators. Recommended minimum clearances: Side to wall - 6'; rear to wall - 6'; control panel end to wall - 4'; top - no obstructions allowed; distance between adjacent units - 10'. No more than one adjacent wall may be higher than the unit.

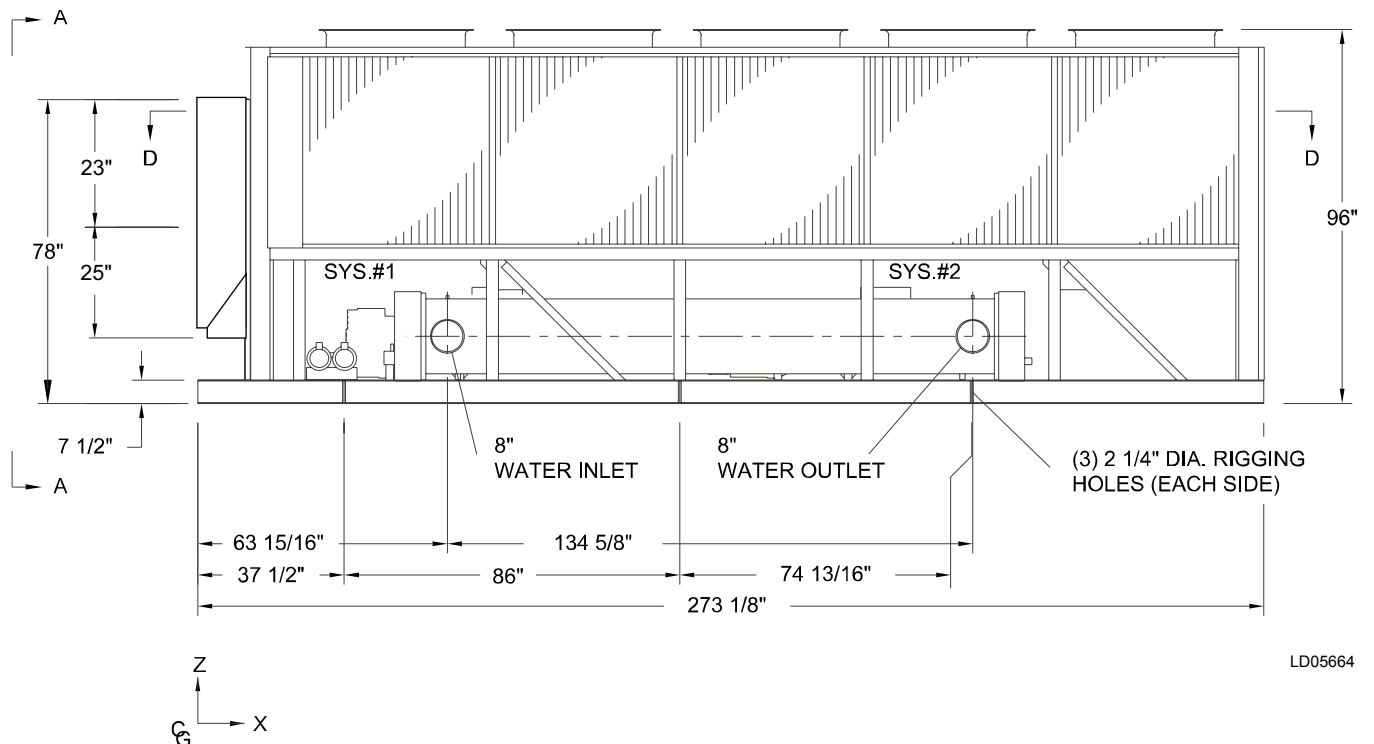


CENTER OF GRAVITY (Alum.)

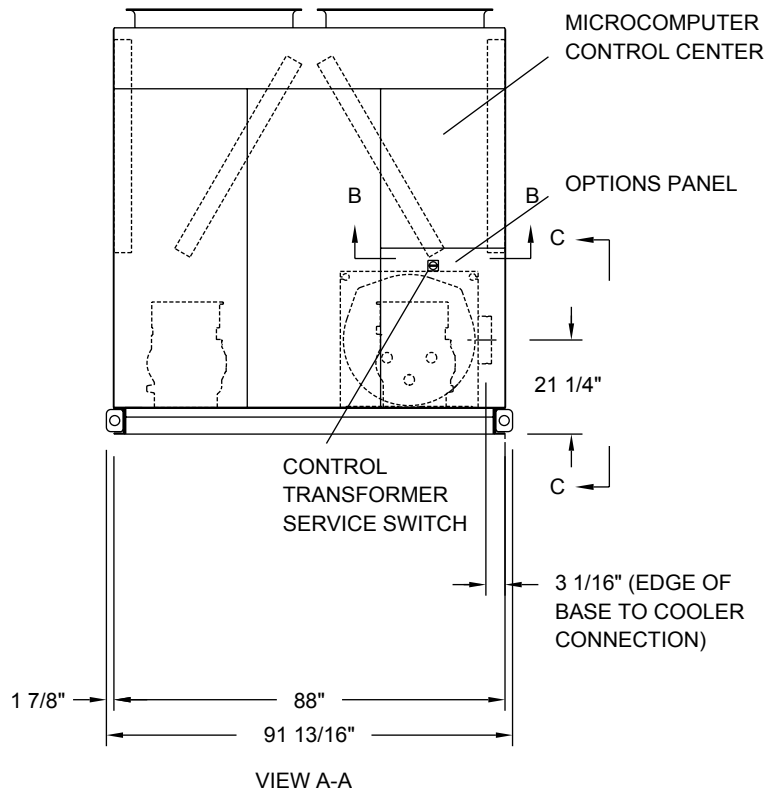
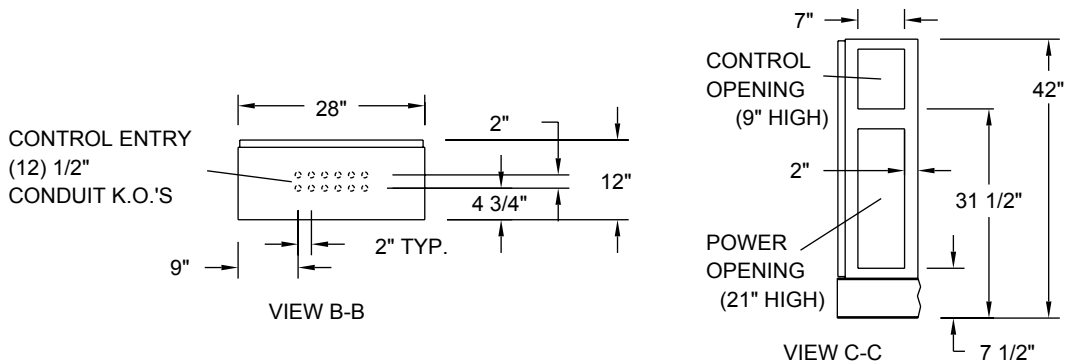
YCAS	X	Y	Z
0198	132.9	43.2	38.4
0208	133.1	43.3	38.1

CENTER OF GRAVITY (Copper)

YCAS	X	Y	Z
0198	134.2	43.3	39.8
0208	134.3	43.4	39.5



Dimensions – YCAS0218EB-YCAS0268EB (English)

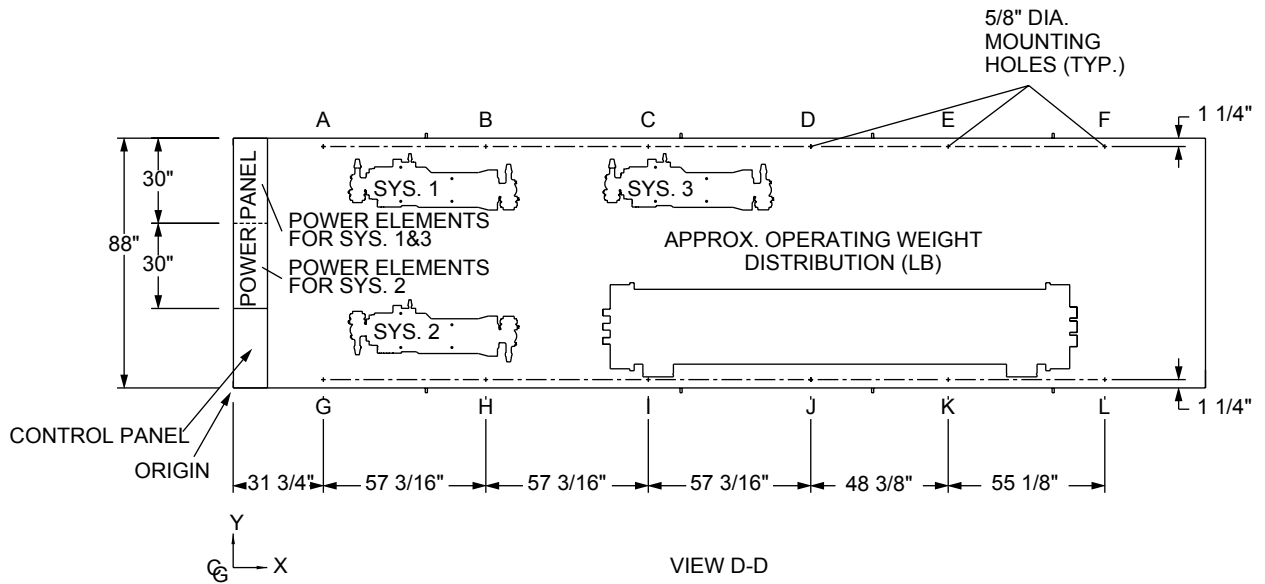


POWER: MULTIPLE POINT WITH TERMINAL BLOCKS

LD06105

NOTES:

1. Placement on a level surface free of obstructions (including snow, for winter operation) or air recirculation ensures rated performance, reliable operation and ease of maintenance. Site restrictions may compromise minimum clearances indicated below, resulting in unpredictable air flow patterns and possible diminished performance. YORK's unit controls will optimize operation without nuisance high pressure safety cutout; however, the system designer must consider potential performance degradation. Access to the unit control center assumes the unit is no higher than on spring isolators. Recommended minimum clearances: Side to wall - 6'; rear to wall - 6'; control panel end to wall - 4'; top - no obstructions allowed; distance between adjacent units - 10'. No more than one adjacent wall may be higher than the unit.

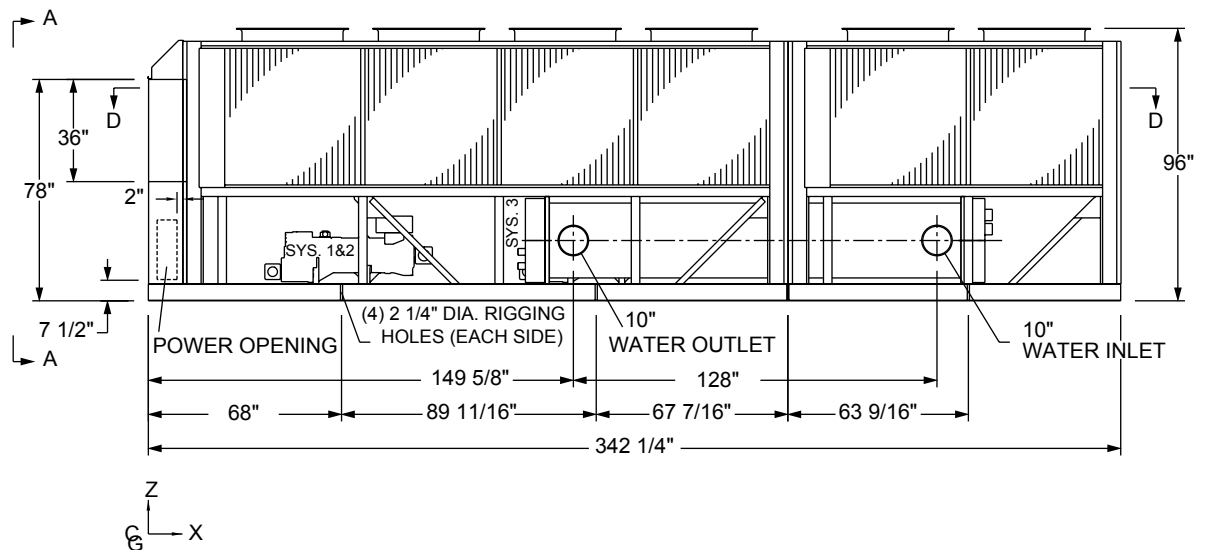


CENTER OF GRAVITY (Alum.)

YCAS	X	Y	Z
0218	162.9	39.7	37.1
0248	163.1	40.0	36.4
0268	162.6	40.0	36.4

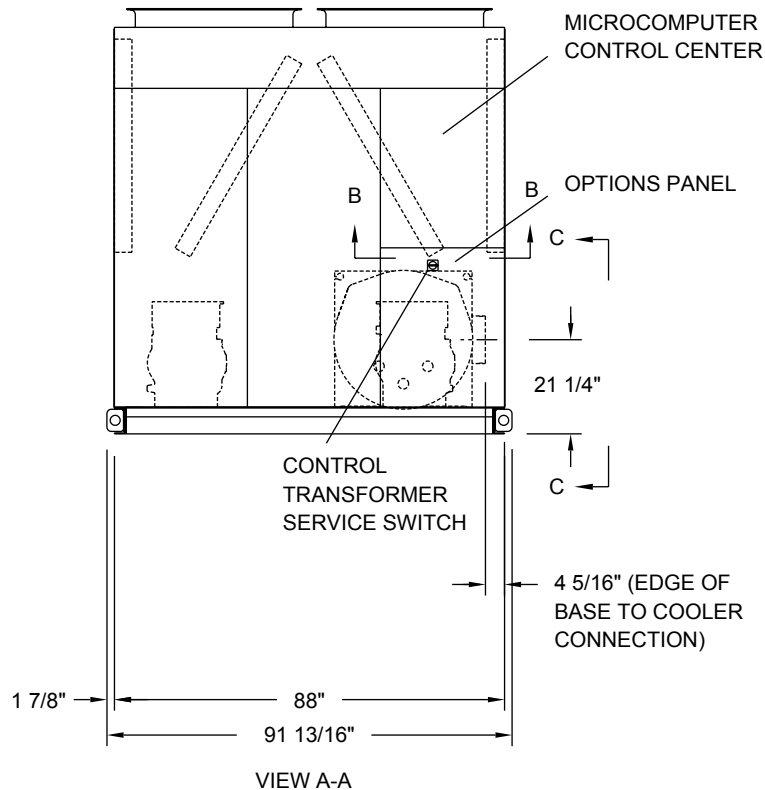
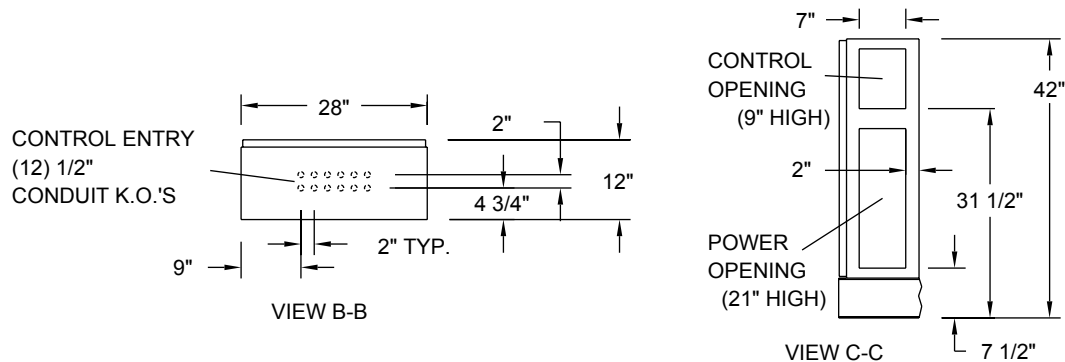
CENTER OF GRAVITY (Copper)

YCAS	X	Y	Z
0218	164.2	40.1	39.4
0248	164.3	40.4	38.7
0268	163.8	40.3	38.7



LD06106

Dimensions – YCAS0288EB (English)

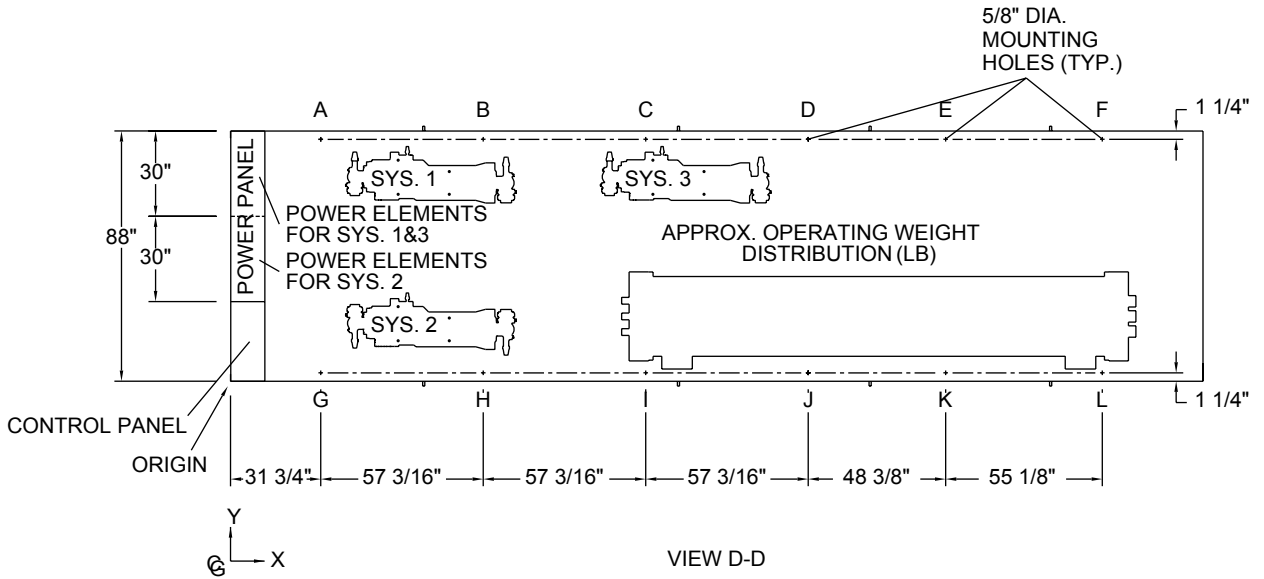


POWER: MULTIPLE POINT WITH TERMINAL BLOCKS

LD06117

NOTES:

1. Placement on a level surface free of obstructions (including snow, for winter operation) or air recirculation ensures rated performance, reliable operation and ease of maintenance. Site restrictions may compromise minimum clearances indicated below, resulting in unpredictable air flow patterns and possible diminished performance. YORK's unit controls will optimize operation without nuisance high pressure safety cutout; however, the system designer must consider potential performance degradation. Access to the unit control center assumes the unit is no higher than on spring isolators. Recommended minimum clearances: Side to wall - 6'; rear to wall - 6'; control panel end to wall - 4'; top - no obstructions allowed; distance between adjacent units - 10'. No more than one adjacent wall may be higher than the unit.

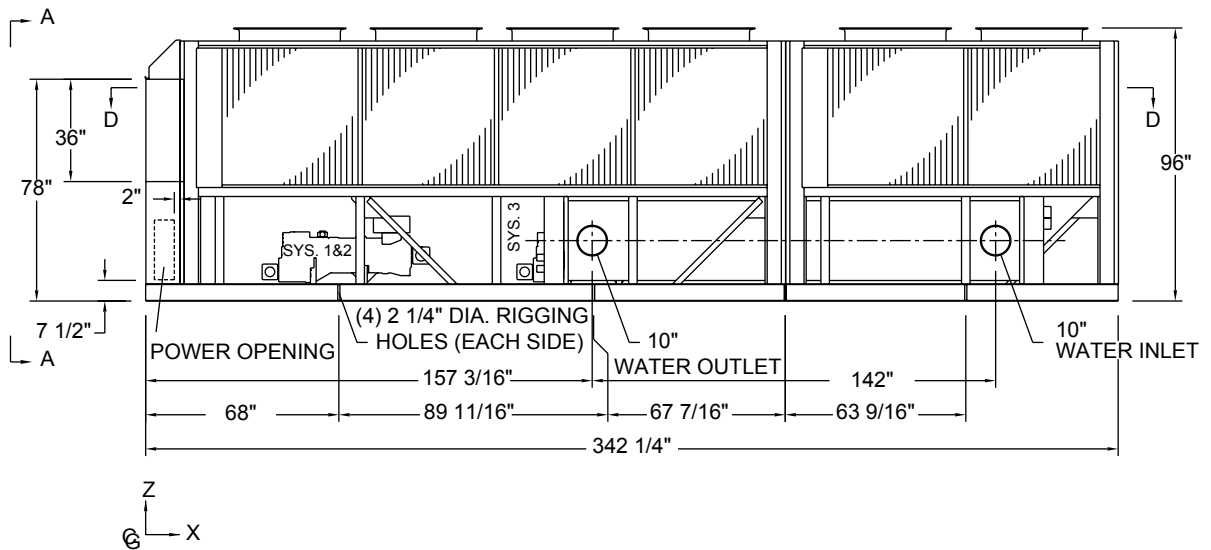


CENTER OF GRAVITY (Alum.)

YCAS	X	Y	Z
0288	166.2	40.4	34.9

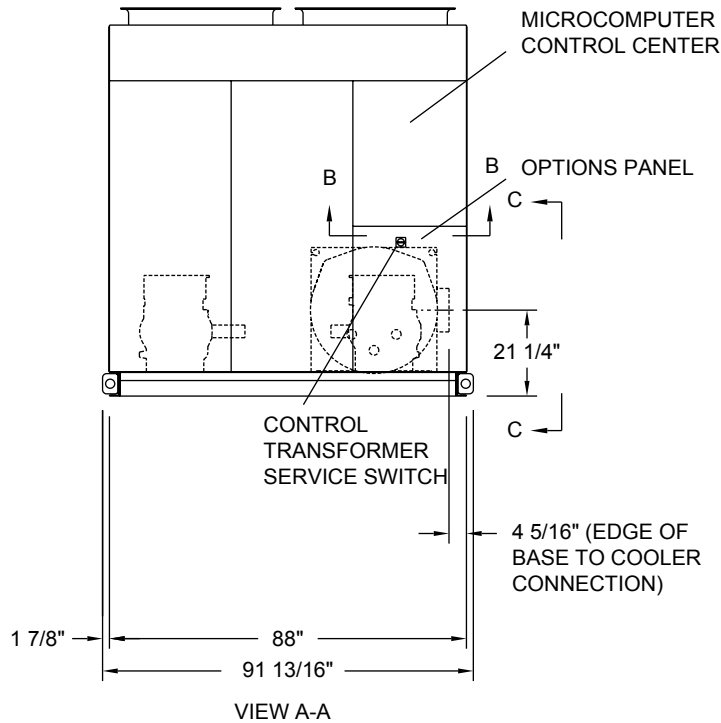
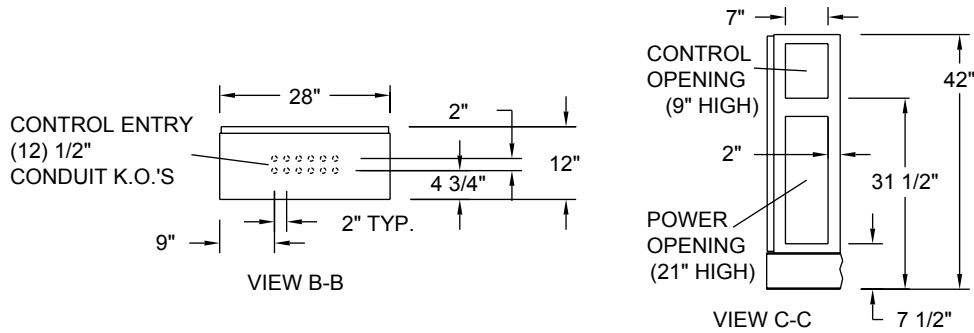
CENTER OF GRAVITY (Copper)

YCAS	X	Y	Z
0288	167.2	40.7	37.2



LD06118

Dimensions – YCAS0308EB (English)

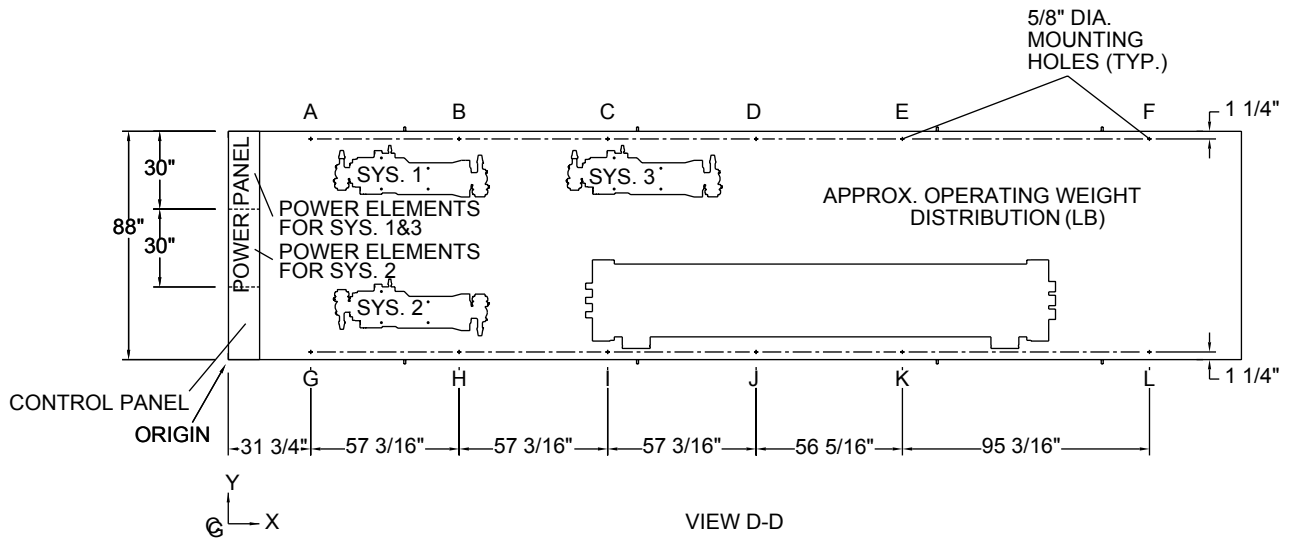


POWER: MULTIPLE POINT WITH TERMINAL BLOCKS

LD06121

NOTES:

1. Placement on a level surface free of obstructions (including snow, for winter operation) or air recirculation ensures rated performance, reliable operation and ease of maintenance. Site restrictions may compromise minimum clearances indicated below, resulting in unpredictable air flow patterns and possible diminished performance. YORK's unit controls will optimize operation without nuisance high pressure safety cutout; however, the system designer must consider potential performance degradation. Access to the unit control center assumes the unit is no higher than on spring isolators. Recommended minimum clearances: Side to wall - 6'; rear to wall - 6'; control panel end to wall - 4'; top - no obstructions allowed; distance between adjacent units - 10'. No more than one adjacent wall may be higher than the unit.

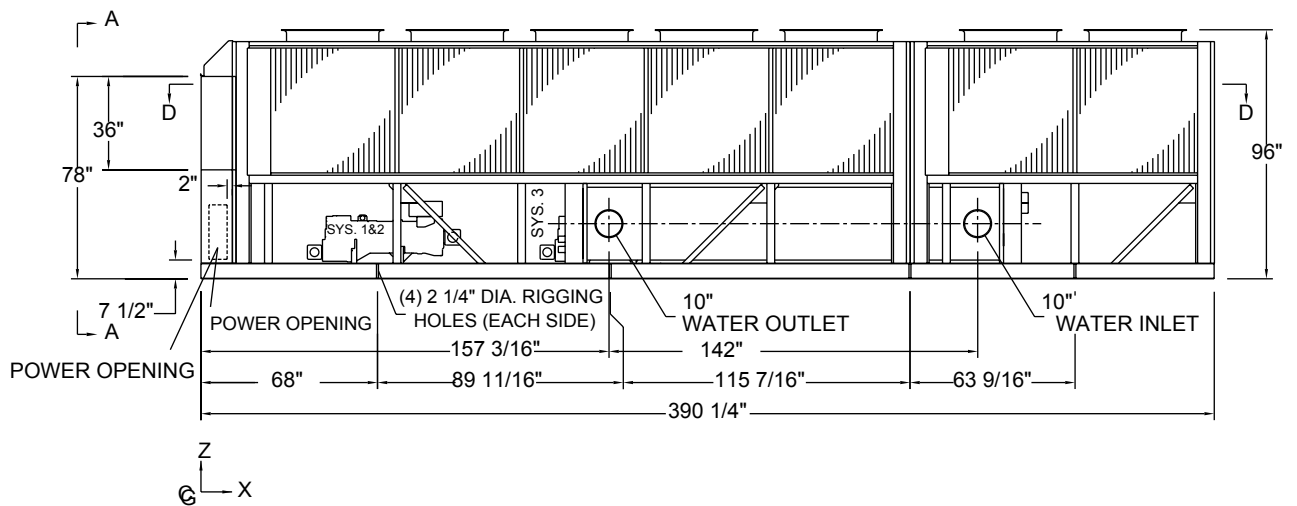


CENTER OF GRAVITY (Alum.)

YCAS	X	Y	Z
0308	178.7	40.5	38.8

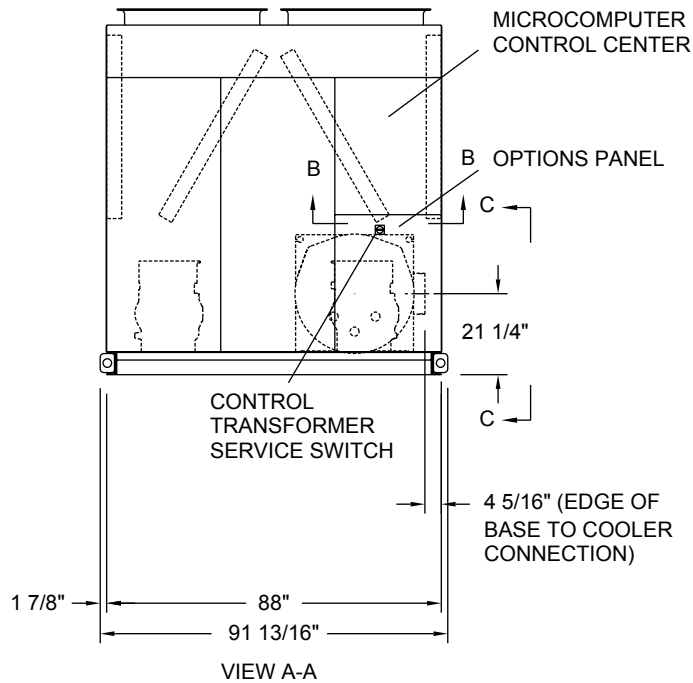
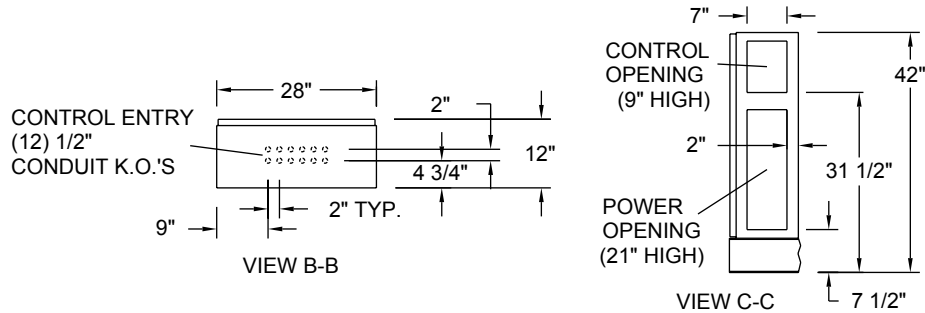
CENTER OF GRAVITY (Copper)

YCAS	X	Y	Z
0308	180.7	40.8	41.1



LD06122

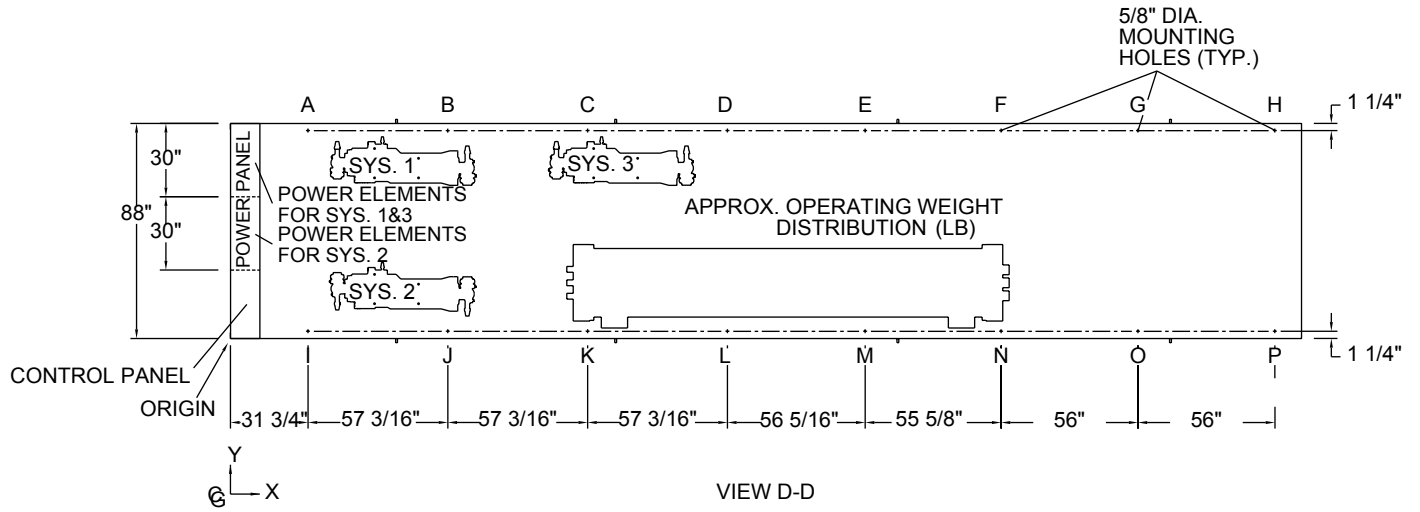
Dimensions – YCAS0328EB (English)



LD06125

NOTES:

1. Placement on a level surface free of obstructions (including snow, for winter operation) or air recirculation ensures rated performance, reliable operation and ease of maintenance. Site restrictions may compromise minimum clearances indicated below, resulting in unpredictable air flow patterns and possible diminished performance. YORK's unit controls will optimize operation without nuisance high pressure safety cutout; however, the system designer must consider potential performance degradation. Access to the unit control center assumes the unit is no higher than on spring isolators. Recommended minimum clearances: Side to wall - 6'; rear to wall - 6'; control panel end to wall - 4'; top - no obstructions allowed; distance between adjacent units - 10'. No more than one adjacent wall may be higher than the unit.

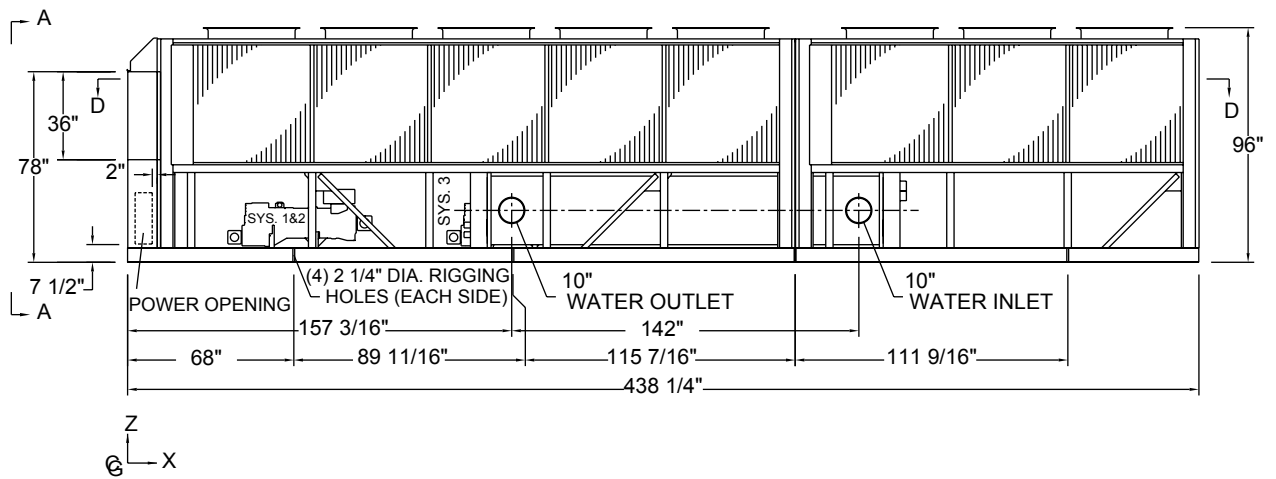


CENTER OF GRAVITY (Alum.)

YCAS	X	Y	Z
0328	188.5	41.0	38.8

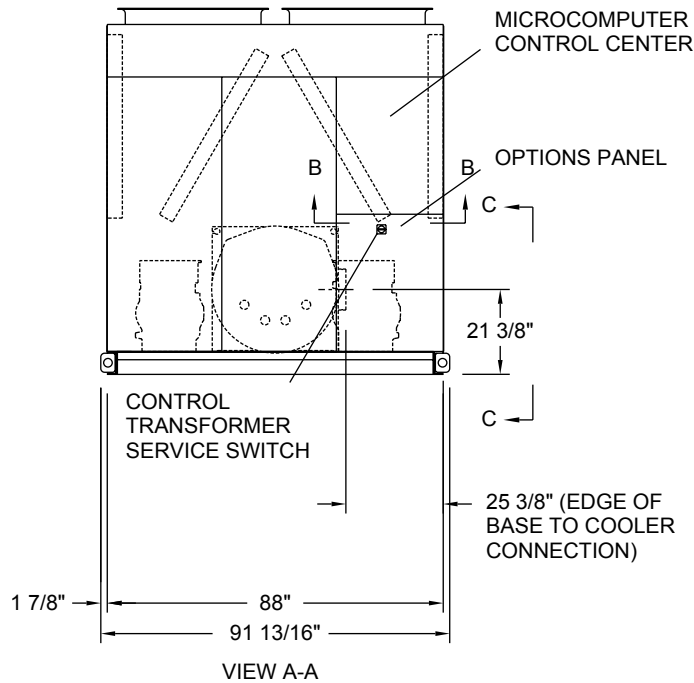
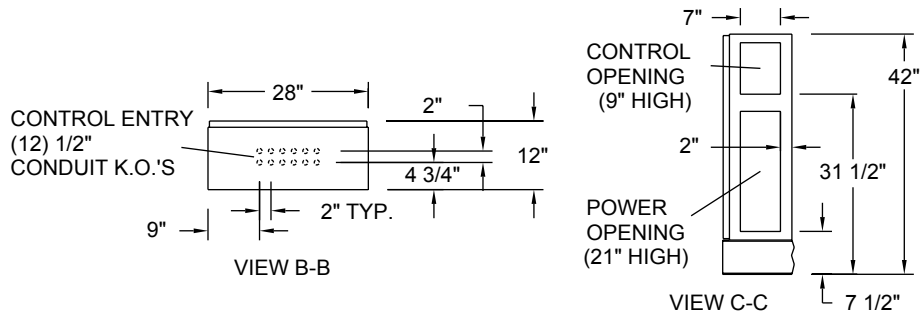
CENTER OF GRAVITY (Copper)

YCAS	X	Y	Z
0328	190.2	41.3	41.0



LD06126

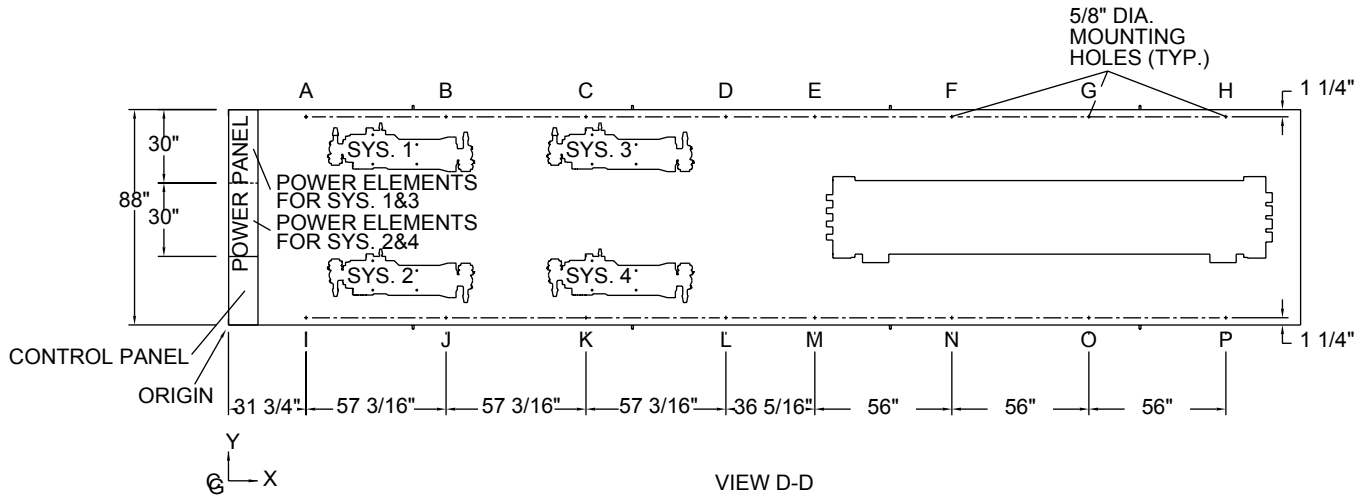
Dimensions – YCAS0358EB (English)



LD06129

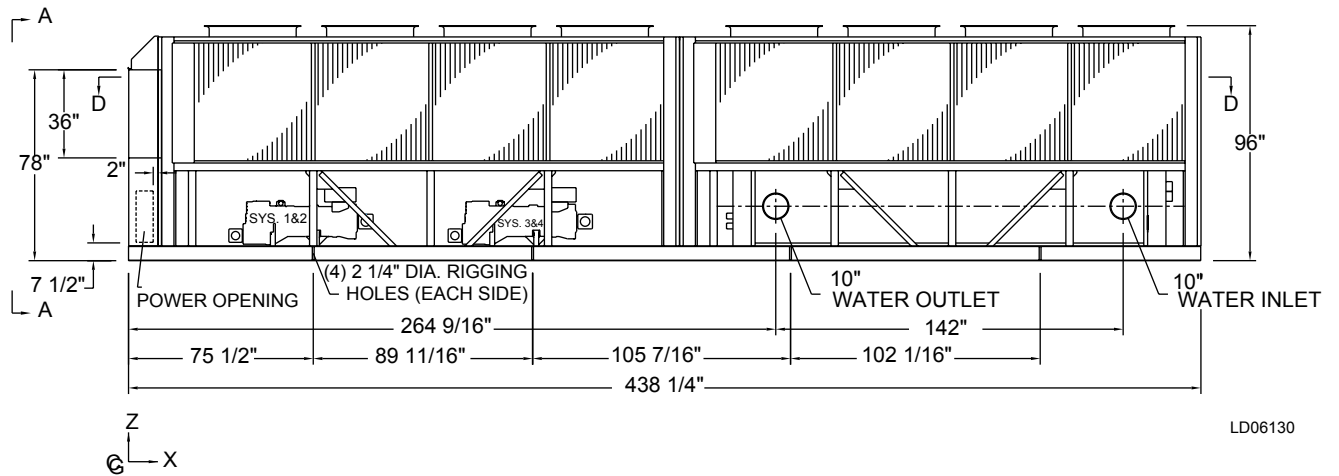
NOTES:

1. Placement on a level surface free of obstructions (including snow, for winter operation) or air recirculation ensures rated performance, reliable operation and ease of maintenance. Site restrictions may compromise minimum clearances indicated below, resulting in unpredictable air flow patterns and possible diminished performance. YORK's unit controls will optimize operation without nuisance high pressure safety cutout; however, the system designer must consider potential performance degradation. Access to the unit control center assumes the unit is no higher than on spring isolators. Recommended minimum clearances: Side to wall - 6'; rear to wall - 6'; control panel end to wall - 4'; top - no obstructions allowed; distance between adjacent units - 10'. No more than one adjacent wall may be higher than the unit.

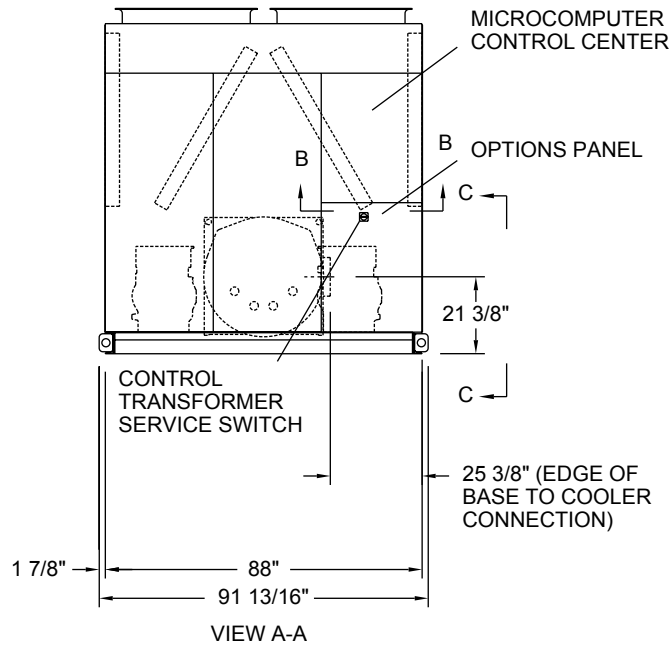
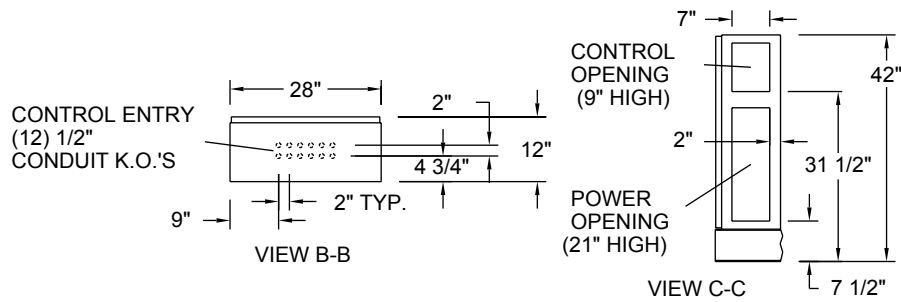


CENTER OF GRAVITY (Alum.)			
YCAS	X	Y	Z
0358	222.2	44.0	35.2

CENTER OF GRAVITY (Copper)			
YCAS	X	Y	Z
0358	222.0	44.0	37.7



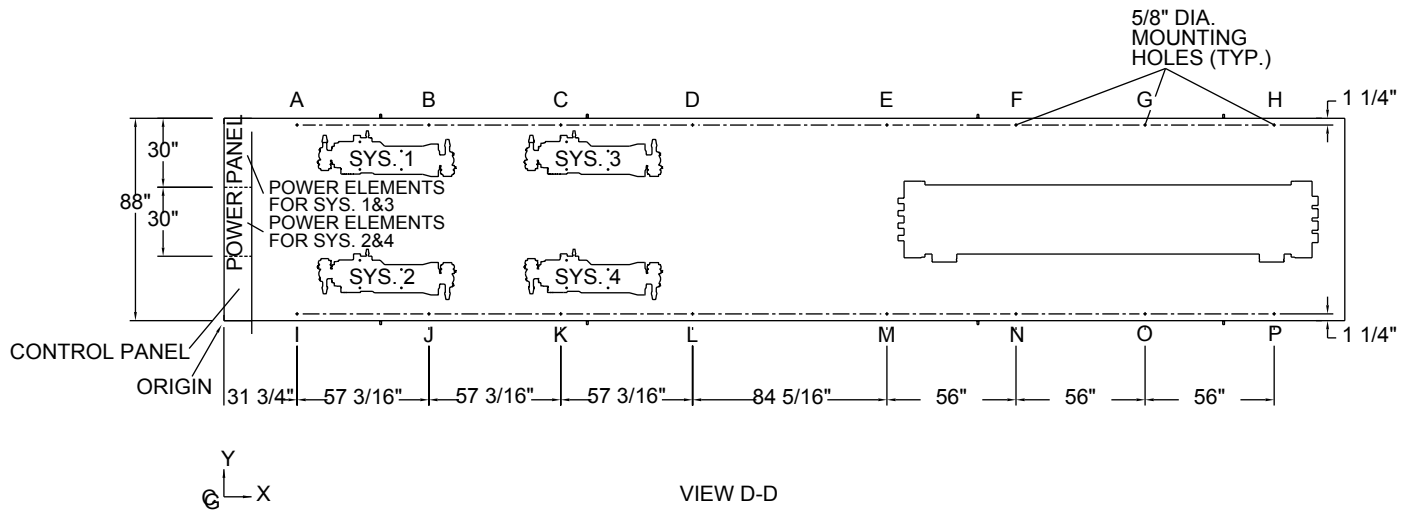
Dimensions – YCAS0398EB-YCAS0418EB (English)



LD06133

NOTES:

1. Placement on a level surface free of obstructions (including snow, for winter operation) or air recirculation ensures rated performance, reliable operation and ease of maintenance. Site restrictions may compromise minimum clearances indicated below, resulting in unpredictable air flow patterns and possible diminished performance. YORK's unit controls will optimize operation without nuisance high pressure safety cutout; however, the system designer must consider potential performance degradation. Access to the unit control center assumes the unit is no higher than on spring isolators. Recommended minimum clearances: Side to wall - 6'; rear to wall - 6'; control panel end to wall - 4'; top - no obstructions allowed; distance between adjacent units - 10'. No more than one adjacent wall may be higher than the unit.

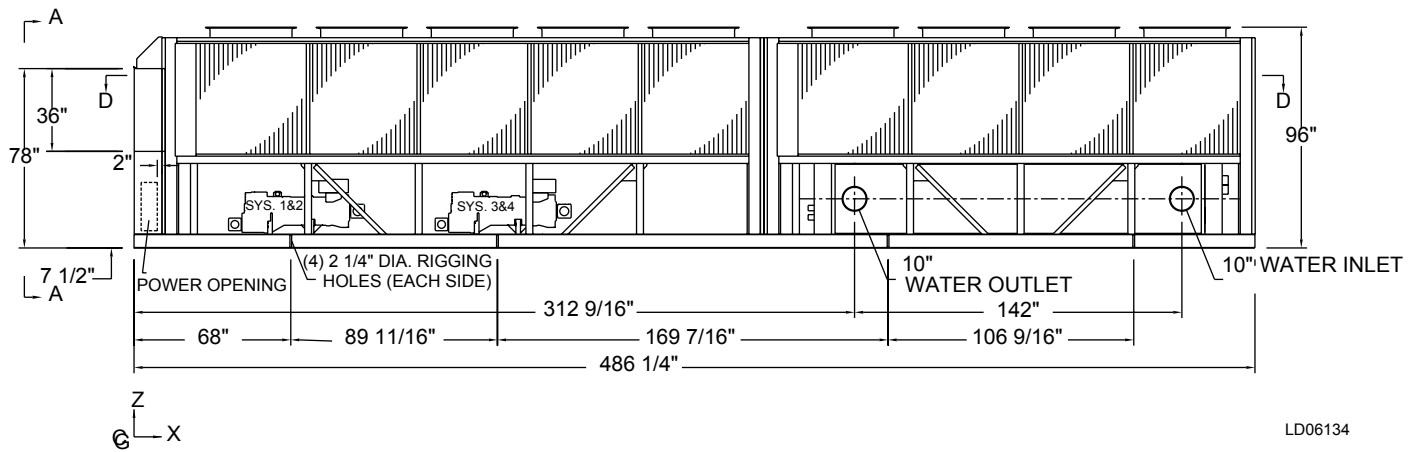


CENTER OF GRAVITY (Alum.)

YCAS	X	Y	Z
0398	249.6	44.2	38.8
0418	249.3	44.2	38.8

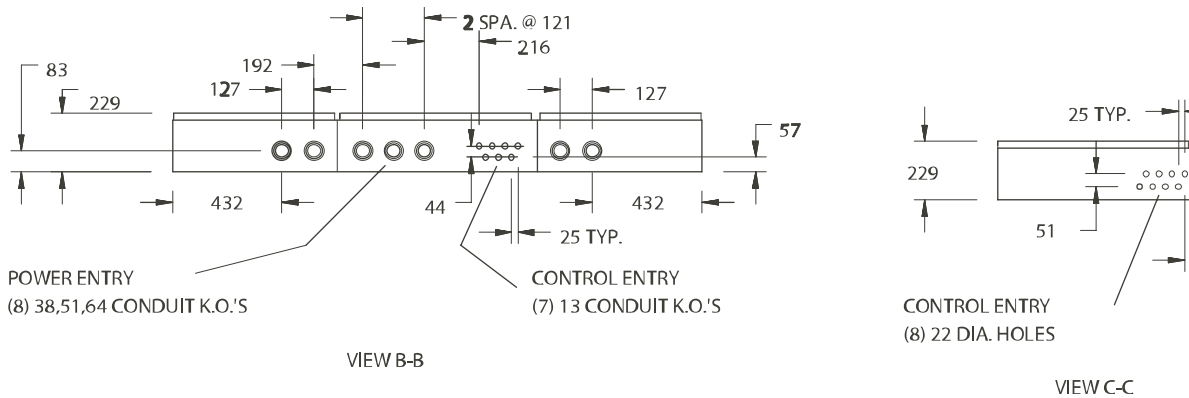
CENTER OF GRAVITY (Copper)

YCAS	X	Y	Z
0398	250.1	44.2	41.1
0418	249.8	44.2	41.0

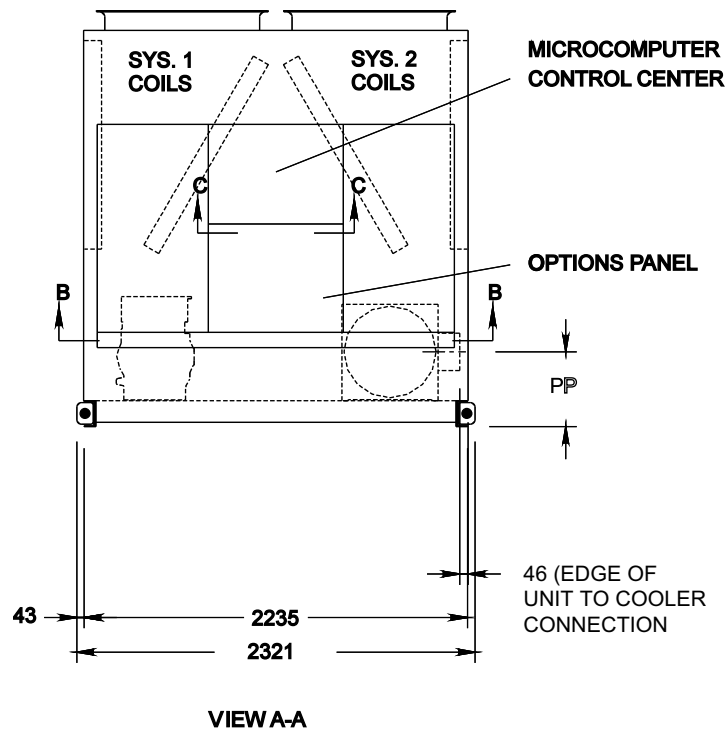


Dimensions – YCAS0098EB - YCAS0118EB (SI)

All dimensions are in mm unless otherwise noted.



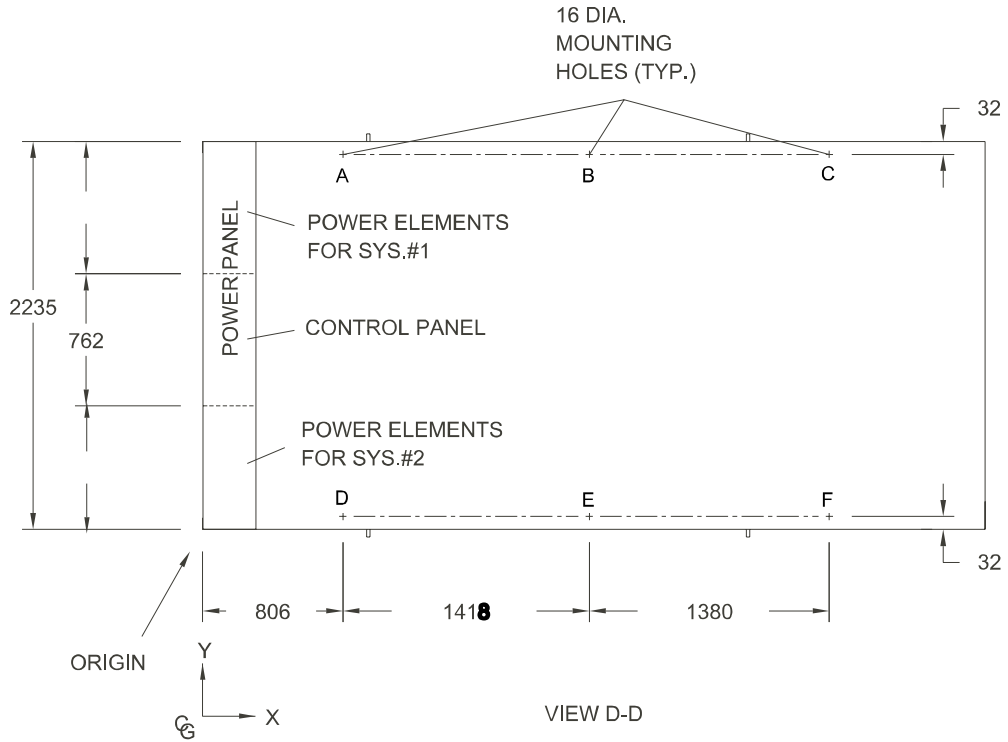
LD05826



LD05827

NOTES:

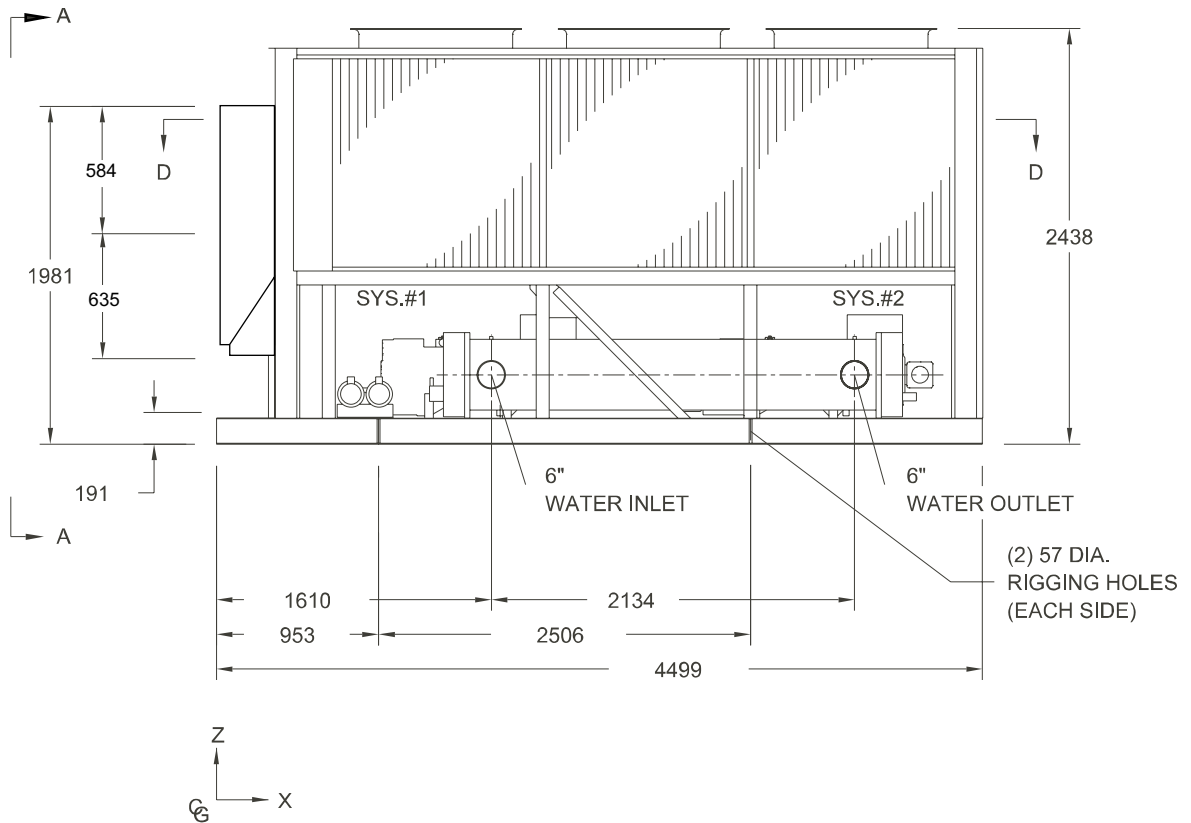
1. Placement on a level surface free of obstructions (including snow, for winter operation) or air recirculation ensures rated performance, reliable operation and ease of maintenance. Site restrictions may compromise minimum clearances indicated below, resulting in unpredictable air flow patterns and possible diminished performance. YORK's unit controls will optimize operation without nuisance high pressure safety cutout; however, the system designer must consider potential performance degradation. Access to the unit control center assumes the unit is no higher than on spring isolators. Recommended minimum clearances: Side to wall - 2m; rear to wall - 2m; control panel end to wall - 1.2m; top - no obstructions allowed; distance between adjacent units - 3m. No more than one adjacent wall may be higher than the unit.



LD05828

CENTER OF GRAVITY (Alum.)			
YCAS	X	Y	Z
0098	1967	1141	985
0118	1953	1142	972

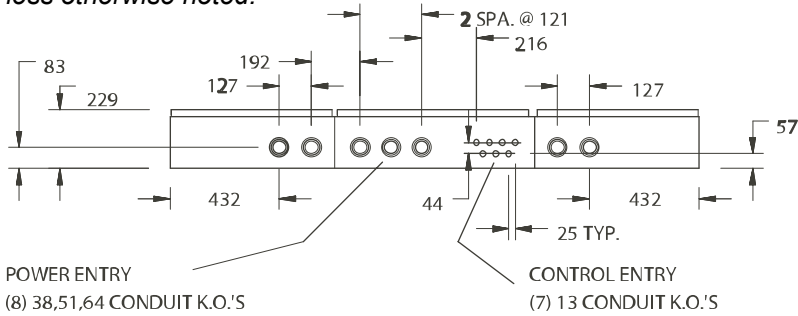
CENTER OF GRAVITY (Copper)			
YCAS	X	Y	Z
0098	1965	1139	1040
0118	1962	1140	1027



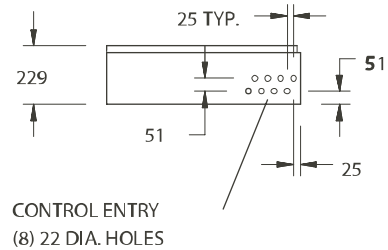
LD05829

Dimensions – YCAS0128EB (SI)

All dimensions are in mm unless otherwise noted.

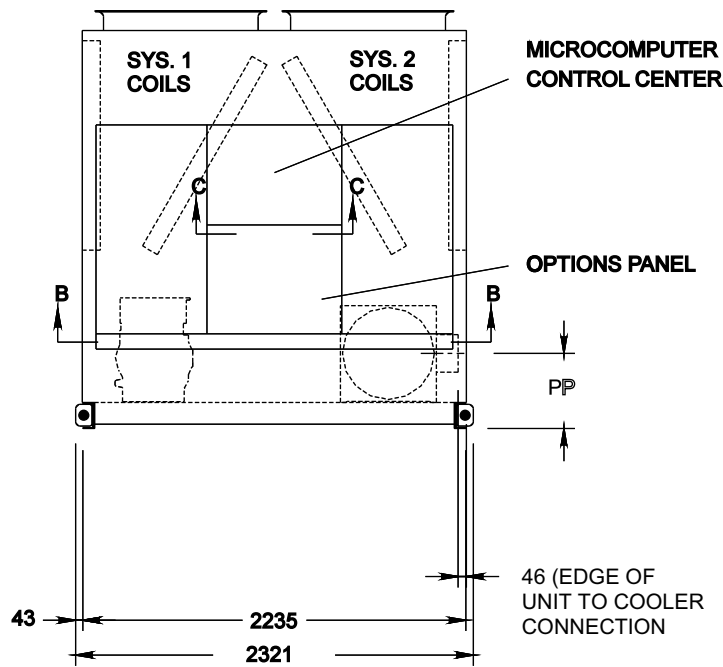


VIEW B-B



VIEW C-C

LD05830

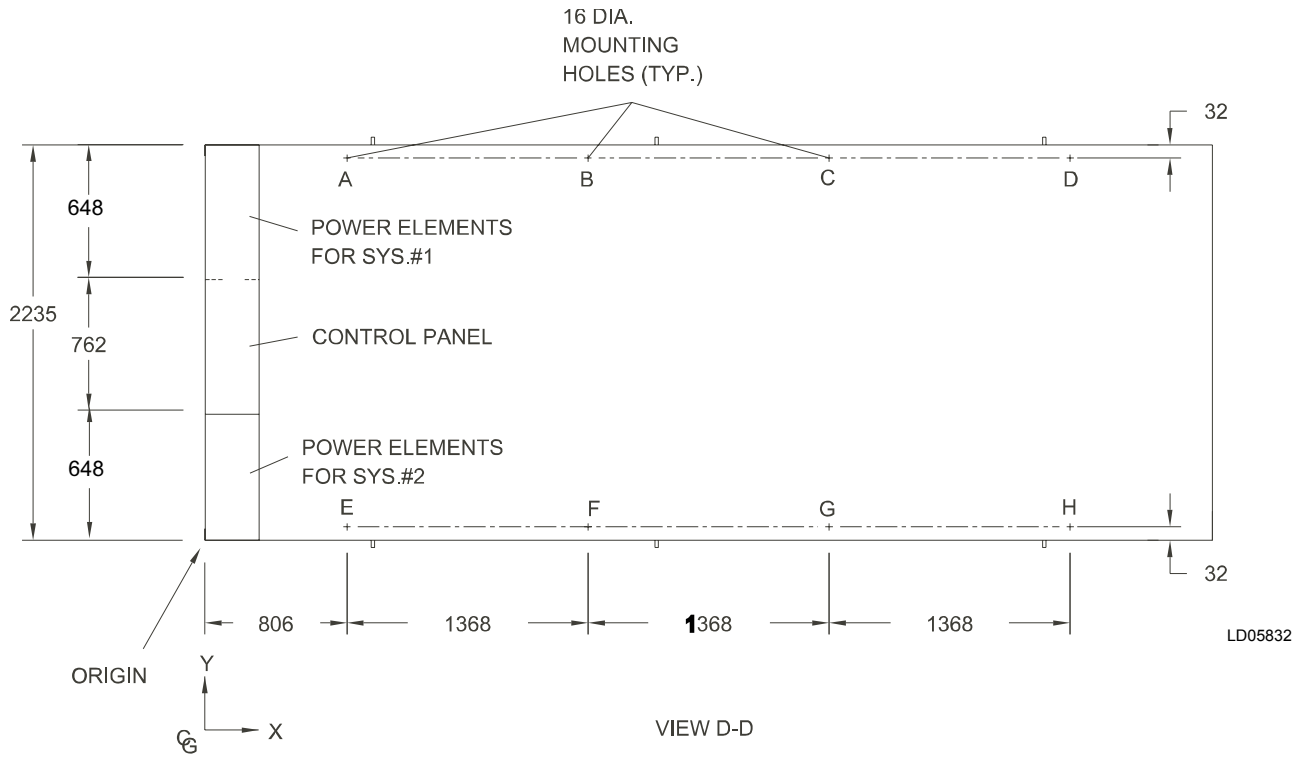


VIEW A-A

LD05831

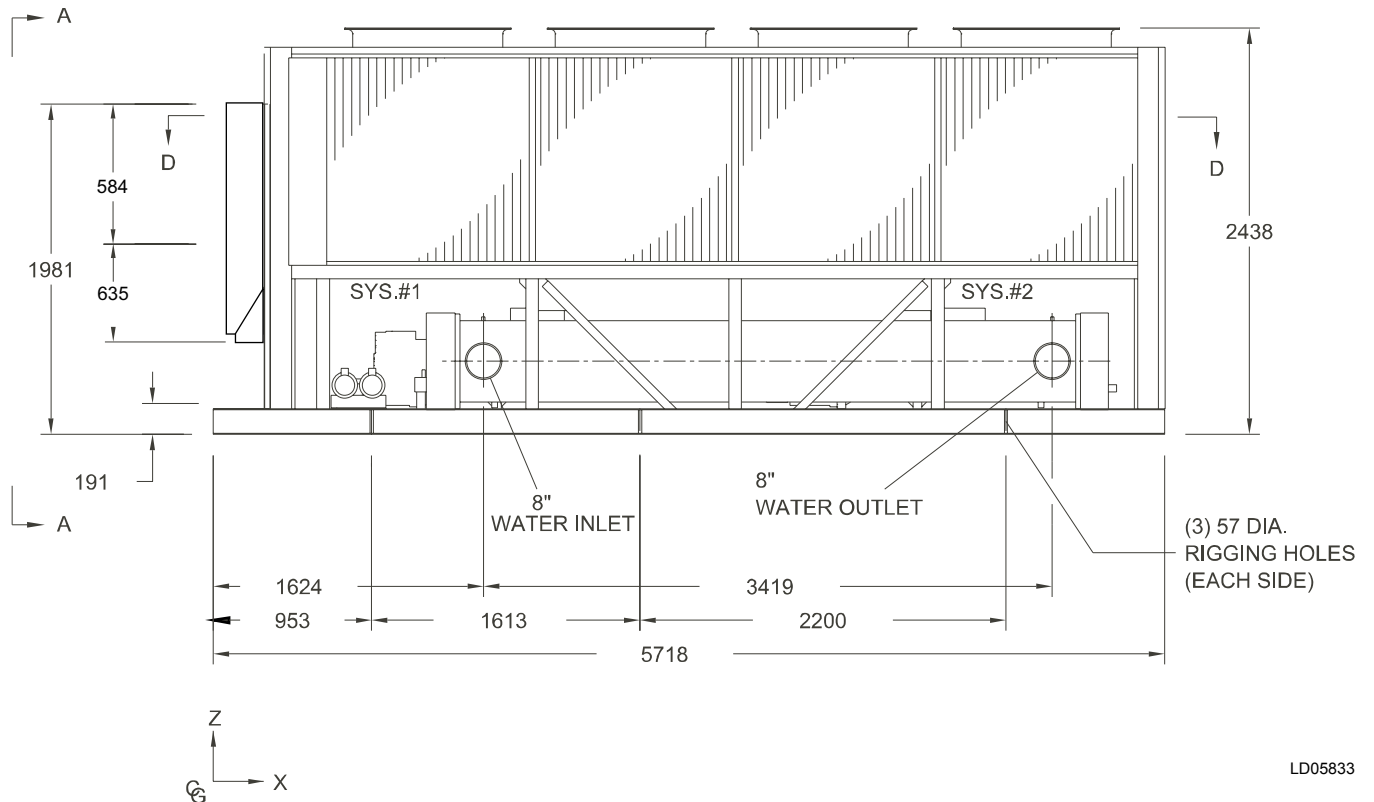
NOTES:

1. Placement on a level surface free of obstructions (including snow, for winter operation) or air recirculation ensures rated performance, reliable operation and ease of maintenance. Site restrictions may compromise minimum clearances indicated below, resulting in unpredictable air flow patterns and possible diminished performance. YORK's unit controls will optimize operation without nuisance high pressure safety cutout; however, the system designer must consider potential performance degradation. Access to the unit control center assumes the unit is no higher than on spring isolators. Recommended minimum clearances: Side to wall - 2m; rear to wall - 2m; control panel end to wall - 1.2m; top - no obstructions allowed; distance between adjacent units - 3m. No more than one adjacent wall may be higher than the unit.



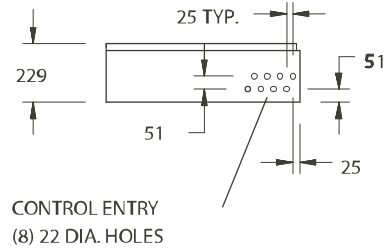
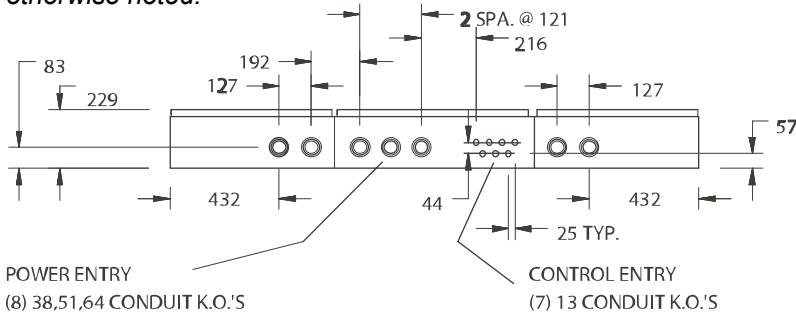
CENTER OF GRAVITY (Alum.)			
YCAS	X	Y	Z
0128	2690	1083	943

CENTER OF GRAVITY (Copper)			
YCAS	X	Y	Z
0128	2728	1086	980

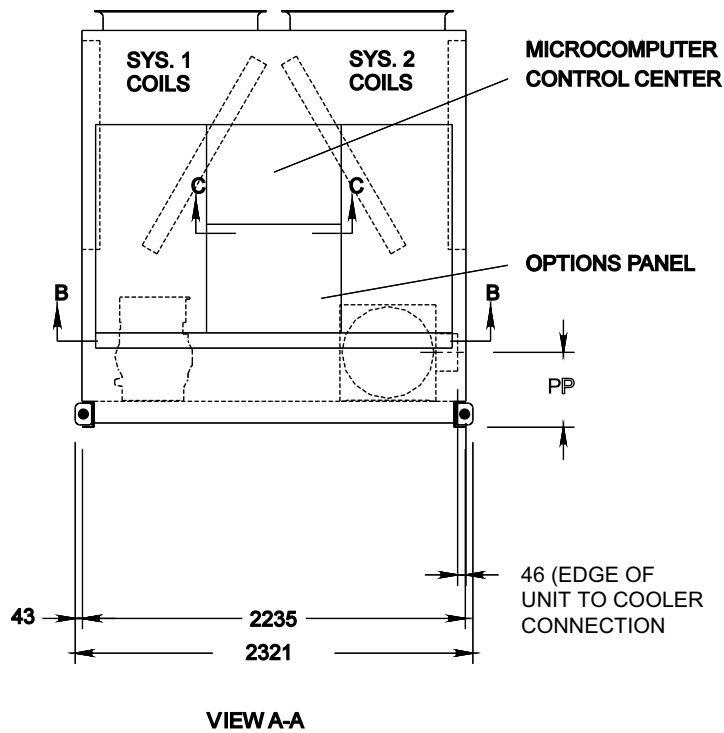


Dimensions – YCAS0138EB (SI)

All dimensions are in mm unless otherwise noted.



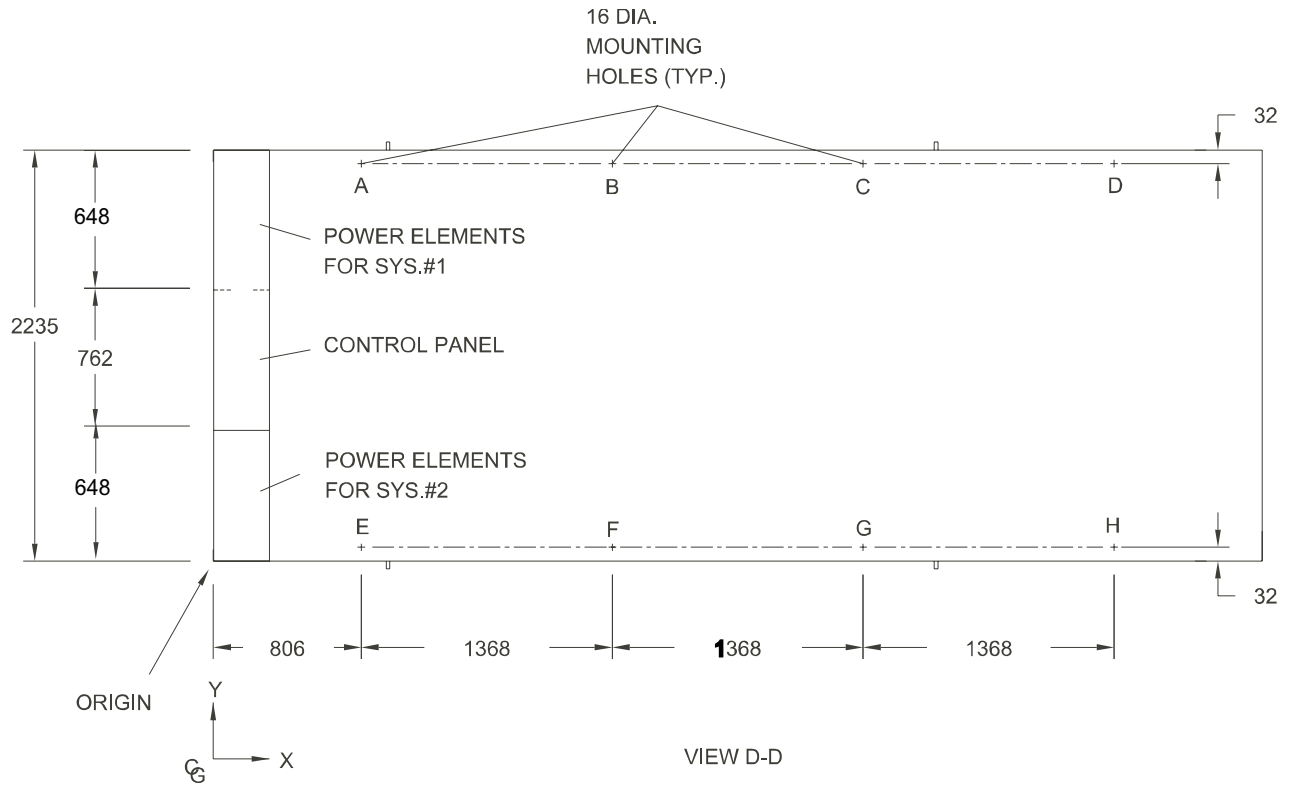
LD05834



LD05835

NOTES:

1. Placement on a level surface free of obstructions (including snow, for winter operation) or air recirculation ensures rated performance, reliable operation and ease of maintenance. Site restrictions may compromise minimum clearances indicated below, resulting in unpredictable air flow patterns and possible diminished performance. YORK's unit controls will optimize operation without nuisance high pressure safety cutout; however, the system designer must consider potential performance degradation. Access to the unit control center assumes the unit is no higher than on spring isolators. Recommended minimum clearances: Side to wall - 2m; rear to wall - 2m; control panel end to wall - 1.2m; top - no obstructions allowed; distance between adjacent units - 3m. No more than one adjacent wall may be higher than the unit.

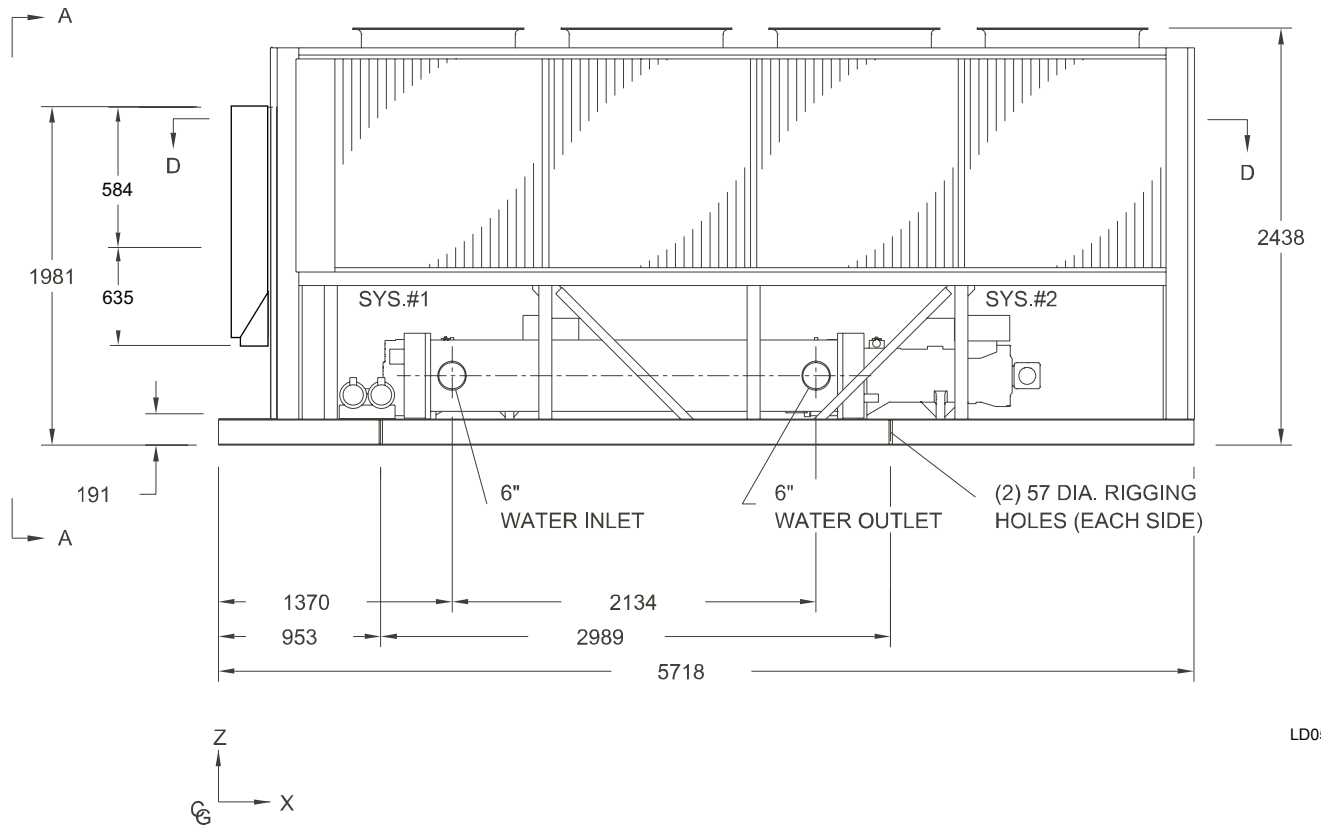


CENTER OF GRAVITY (Alum.)

YCAS	X	Y	Z
0138	2645	1148	987

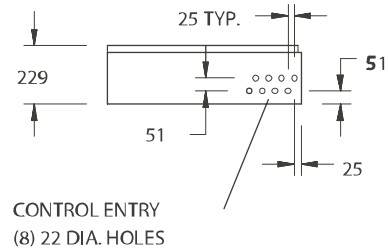
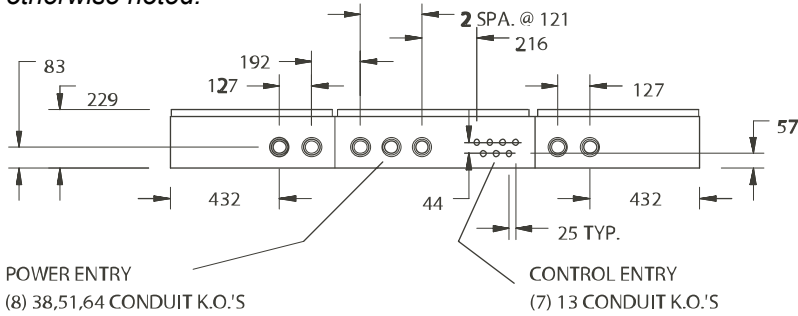
CENTER OF GRAVITY (Copper)

YCAS	X	Y	Z
0138	2689	1146	1021

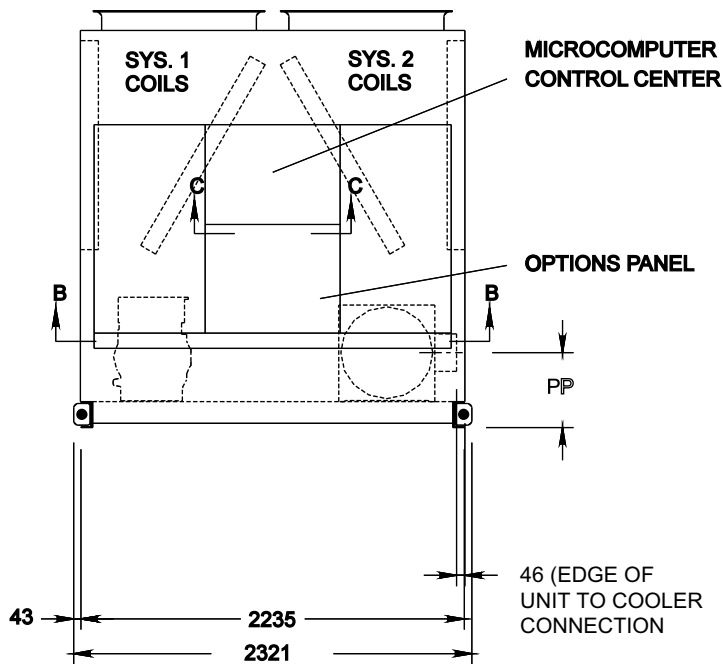


Dimensions – YCAS0148EB - YCAS0178EB (SI)

All dimensions are in mm unless otherwise noted.



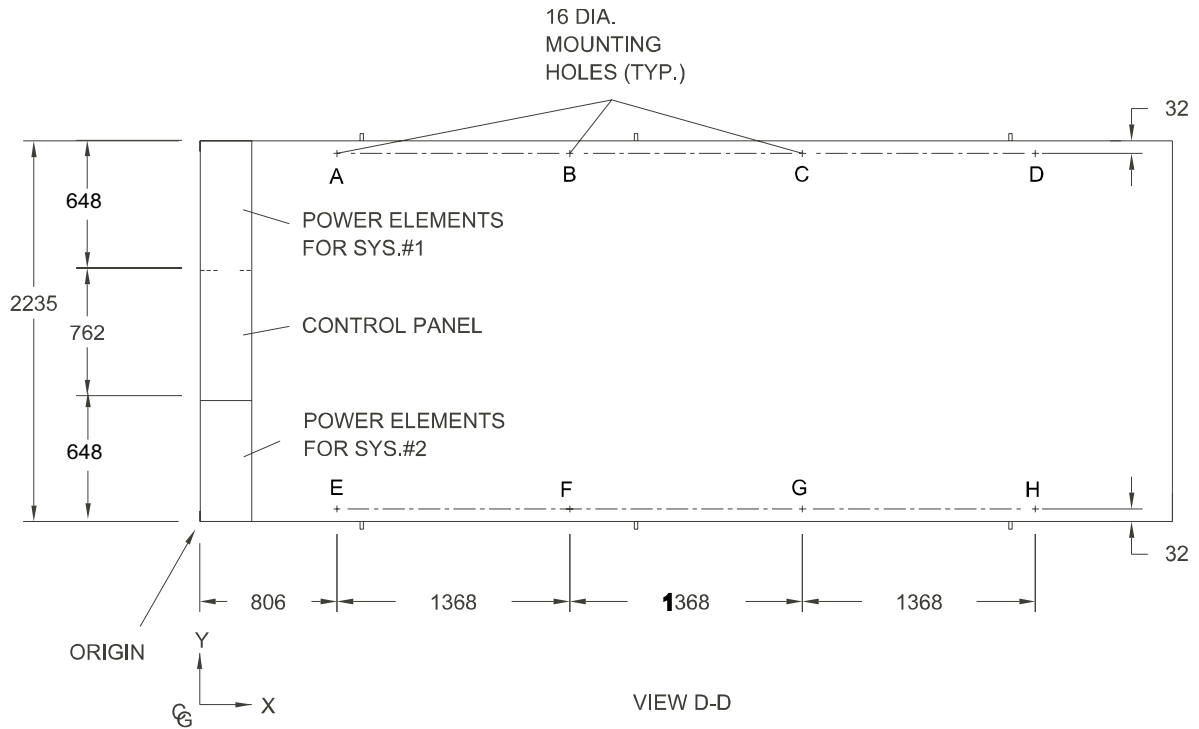
LD05838



LD05839

NOTES:

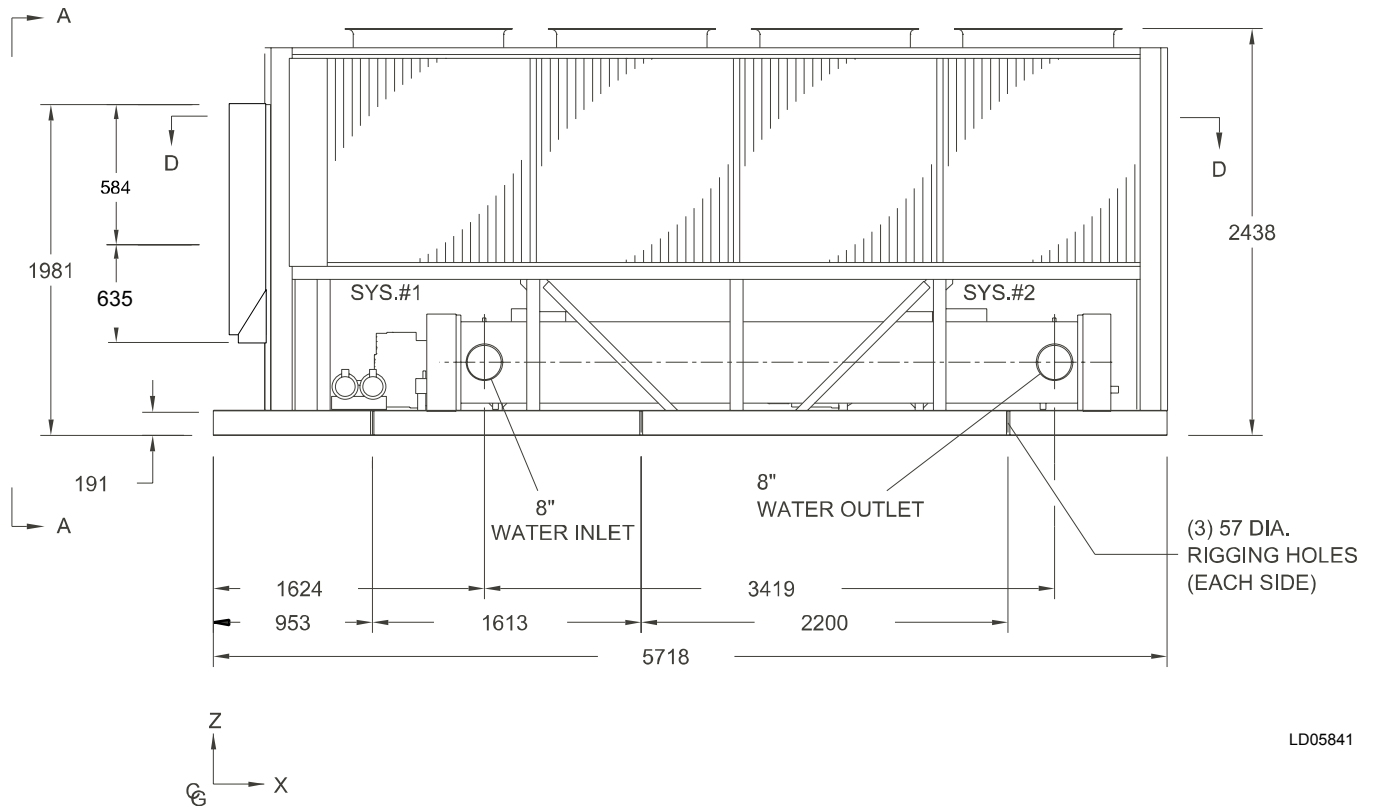
1. Placement on a level surface free of obstructions (including snow, for winter operation) or air recirculation ensures rated performance, reliable operation and ease of maintenance. Site restrictions may compromise minimum clearances indicated below, resulting in unpredictable air flow patterns and possible diminished performance. YORK's unit controls will optimize operation without nuisance high pressure safety cutout; however, the system designer must consider potential performance degradation. Access to the unit control center assumes the unit is no higher than on spring isolators. Recommended minimum clearances: Side to wall - 2m; rear to wall - 2m; control panel end to wall - 1.2m; top - no obstructions allowed; distance between adjacent units - 3m. No more than one adjacent wall may be higher than the unit.



LD05840

CENTER OF GRAVITY (Alum.)			
YCAS	X	Y	Z
0148	2706	1087	930
0158	2701	1087	928
0178	2706	1090	928

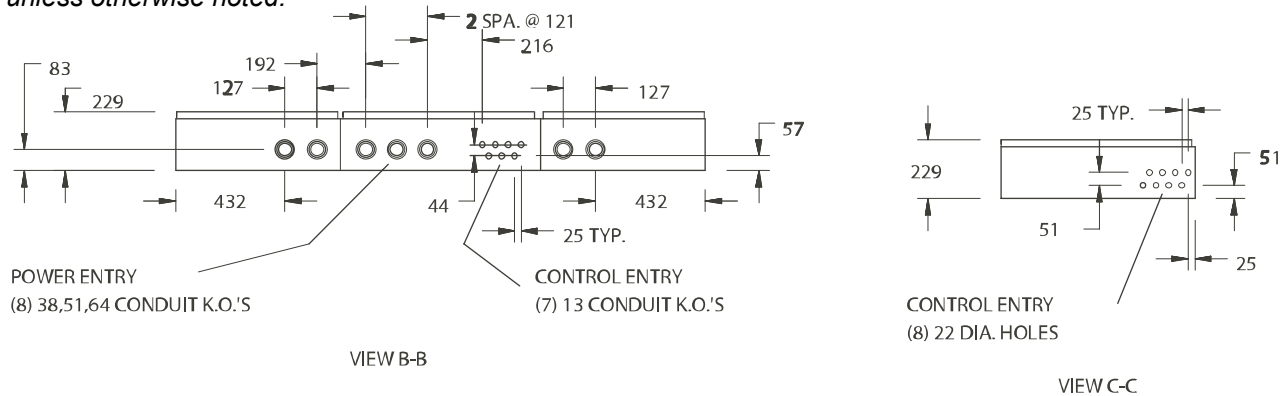
CENTER OF GRAVITY (Copper)			
YCAS	X	Y	Z
0148	2742	1090	967
0158	2737	1090	965
0178	2742	1093	965



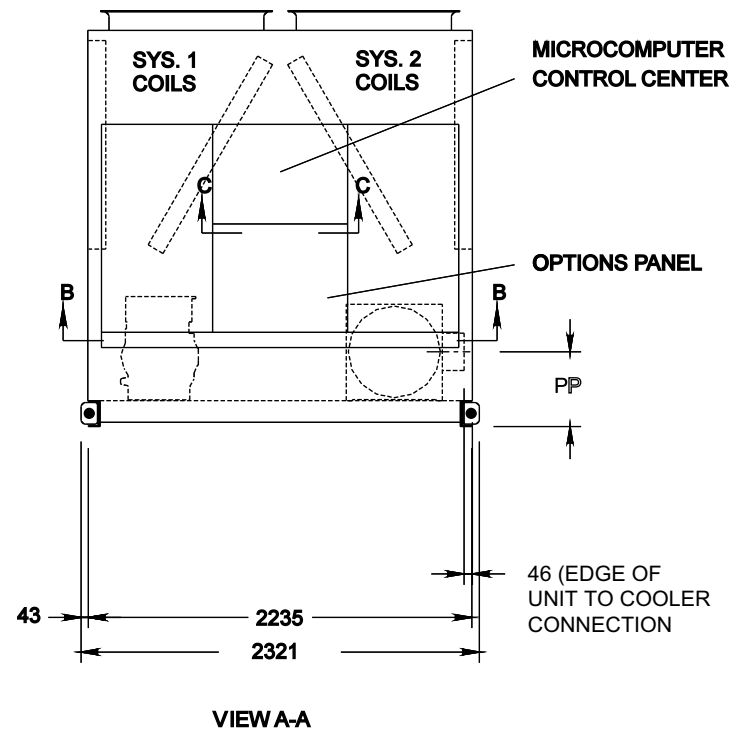
LD05841

Dimensions – YCAS0198EB - YCAS0208EB (SI)

All dimensions are in mm unless otherwise noted.



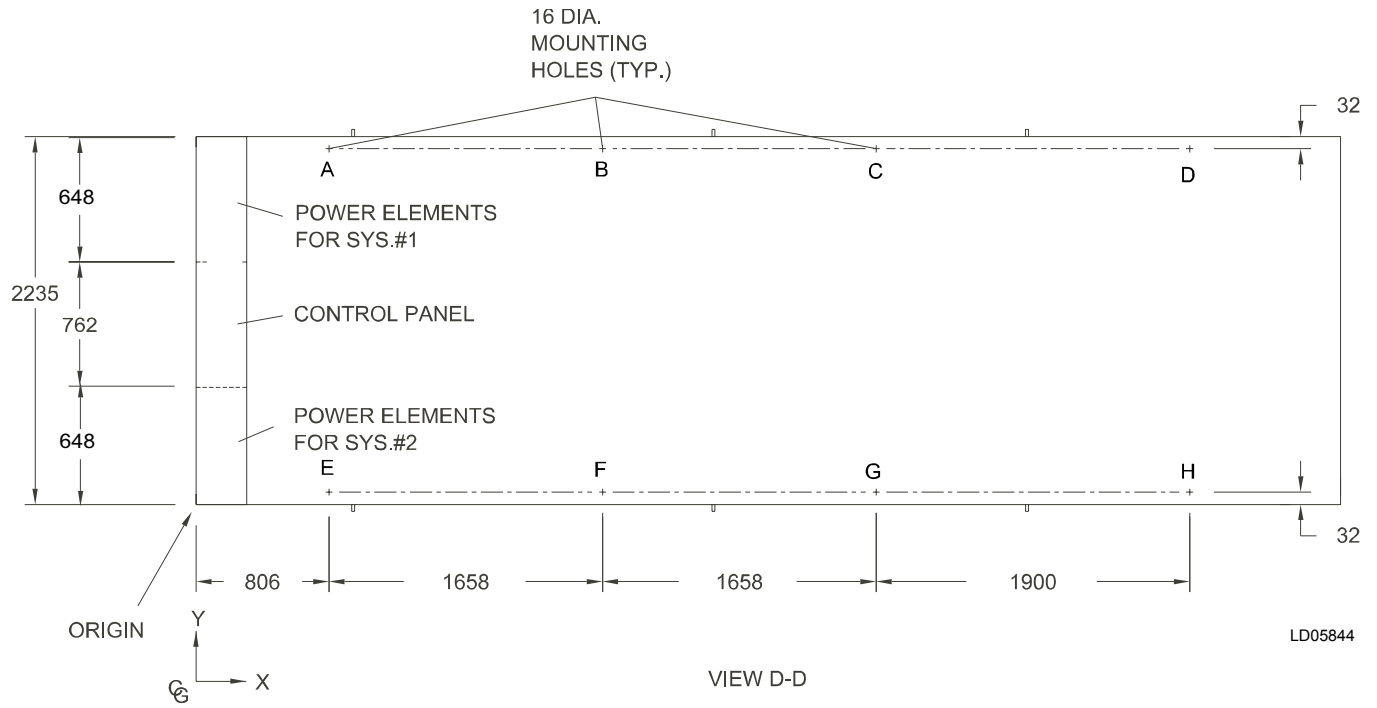
LD05842



LD05843

NOTES:

1. Placement on a level surface free of obstructions (including snow, for winter operation) or air recirculation ensures rated performance, reliable operation and ease of maintenance. Site restrictions may compromise minimum clearances indicated below, resulting in unpredictable air flow patterns and possible diminished performance. YORK's unit controls will optimize operation without nuisance high pressure safety cutout; however, the system designer must consider potential performance degradation. Access to the unit control center assumes the unit is no higher than on spring isolators. Recommended minimum clearances: Side to wall - 2m; rear to wall - 2m; control panel end to wall - 1.2m; top - no obstructions allowed; distance between adjacent units - 3m. No more than one adjacent wall may be higher than the unit.



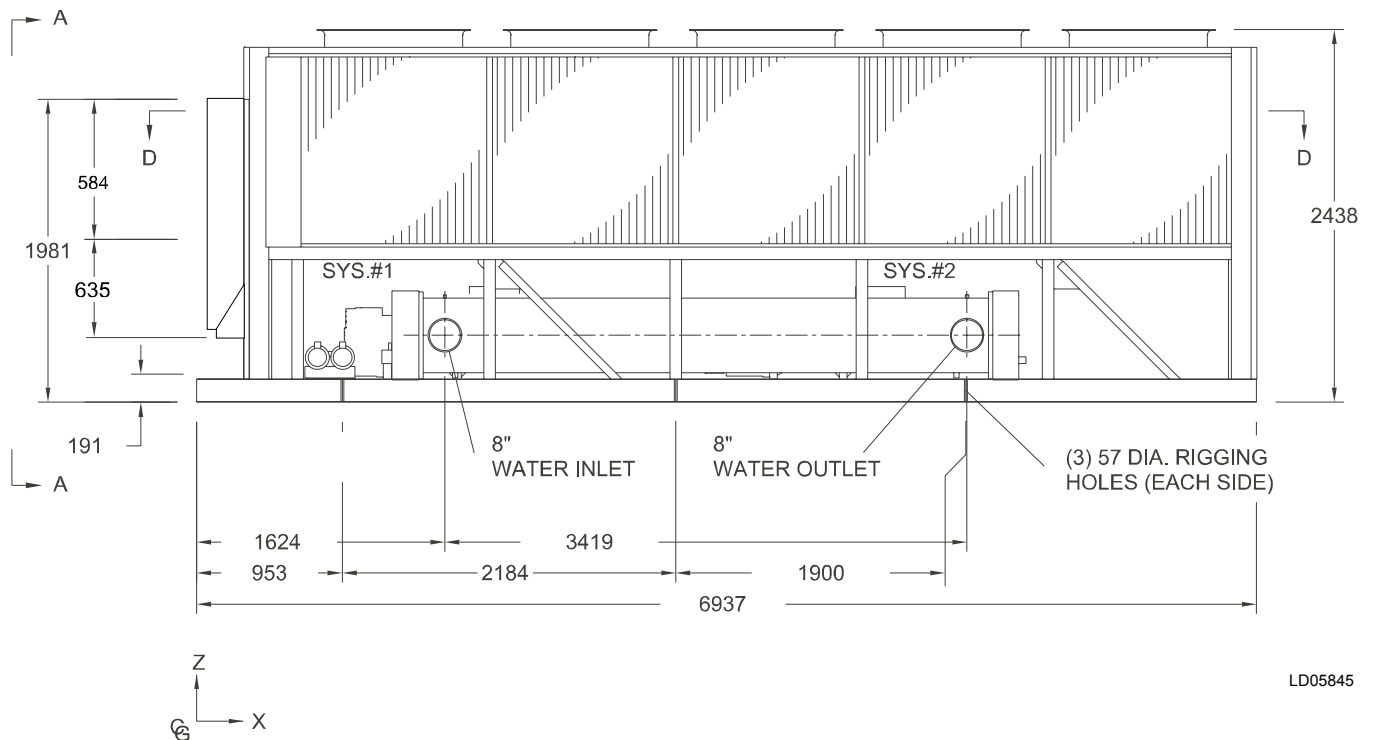
LD05844

CENTER OF GRAVITY (Alum.)

YCAS	X	Y	Z
0198	3376	1098	975
0208	3380	1100	967

CENTER OF GRAVITY (Copper)

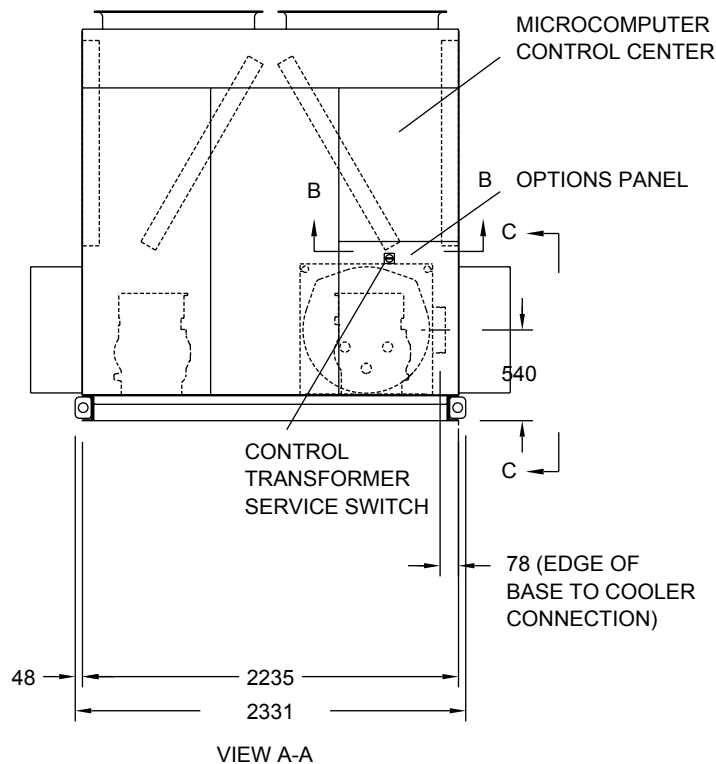
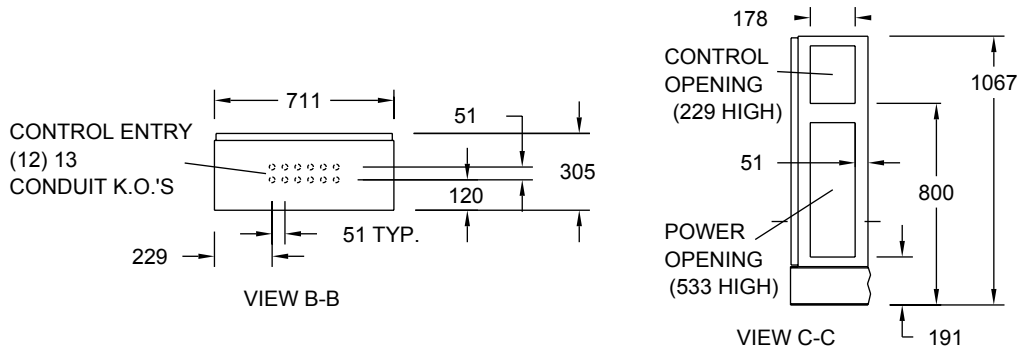
YCAS	X	Y	Z
0198	3408	1100	1012
0208	3411	1102	1004



LD05845

Dimensions – YCAS0218EB-YCAS0268EB (SI)

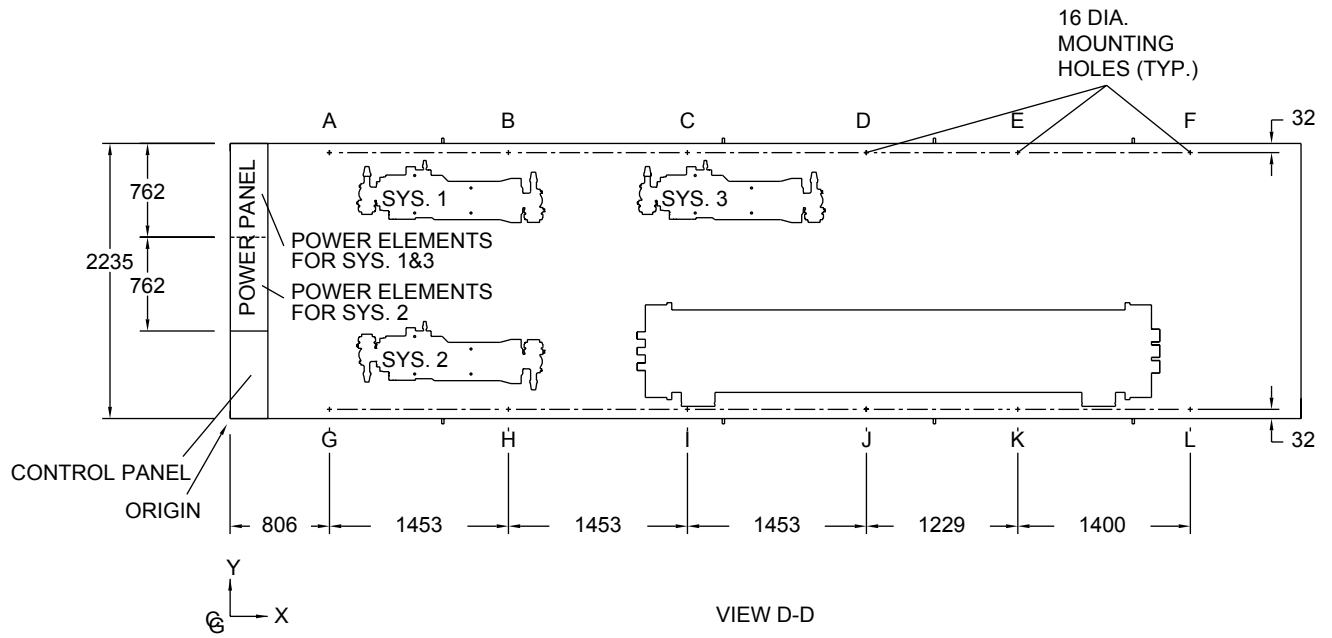
All dimensions are in mm unless otherwise noted.



LD06107

NOTES:

1. Placement on a level surface free of obstructions (including snow, for winter operation) or air recirculation ensures rated performance, reliable operation and ease of maintenance. Site restrictions may compromise minimum clearances indicated below, resulting in unpredictable air flow patterns and possible diminished performance. YORK's unit controls will optimize operation without nuisance high pressure safety cutout; however, the system designer must consider potential performance degradation. Access to the unit control center assumes the unit is no higher than on spring isolators. Recommended minimum clearances: Side to wall - 2m; rear to wall - 2m; control panel end to wall - 1.2m; top - no obstructions allowed; distance between adjacent units - 3m. No more than one adjacent wall may be higher than the unit.



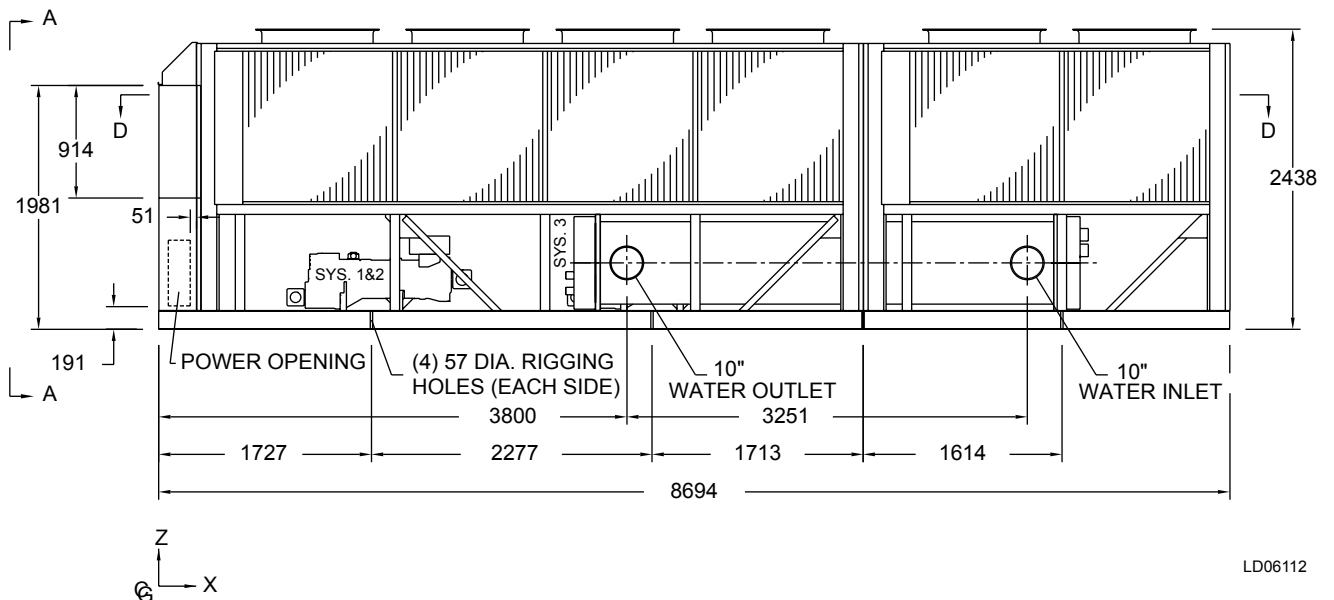
VIEW D-D

CENTER OF GRAVITY (Alum.)

YCAS	X	Y	Z
0218	4136	1009	942
0248	4142	1017	926
0268	4129	1016	924

CENTER OF GRAVITY (Copper)

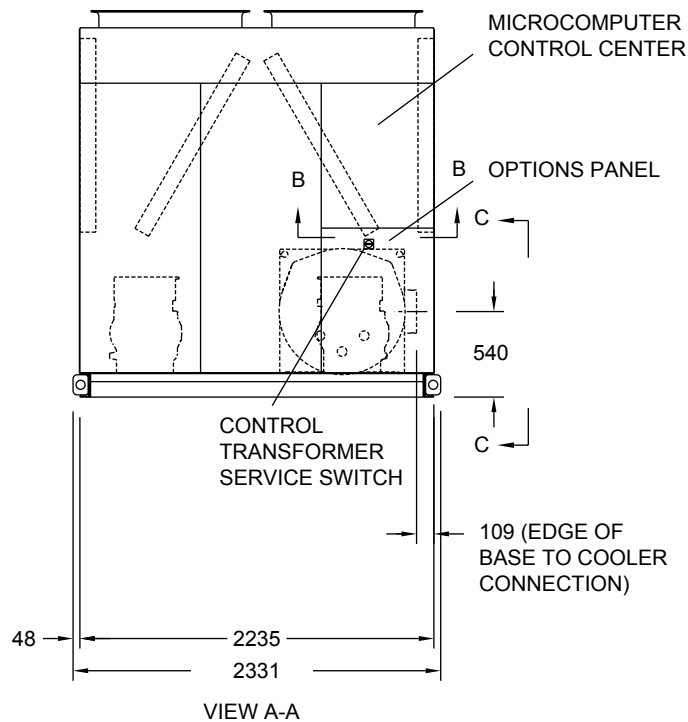
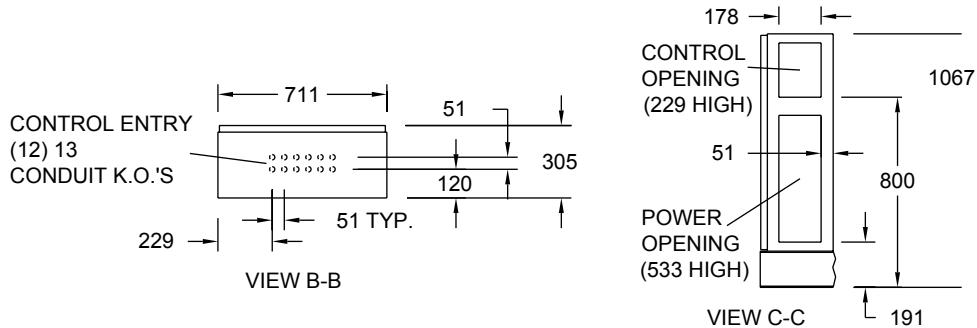
YCAS	X	Y	Z
0218	4169	1019	1001
0248	4174	1025	984
0268	4161	1024	982



LD06112

Dimensions – YCAS0288EB (SI)

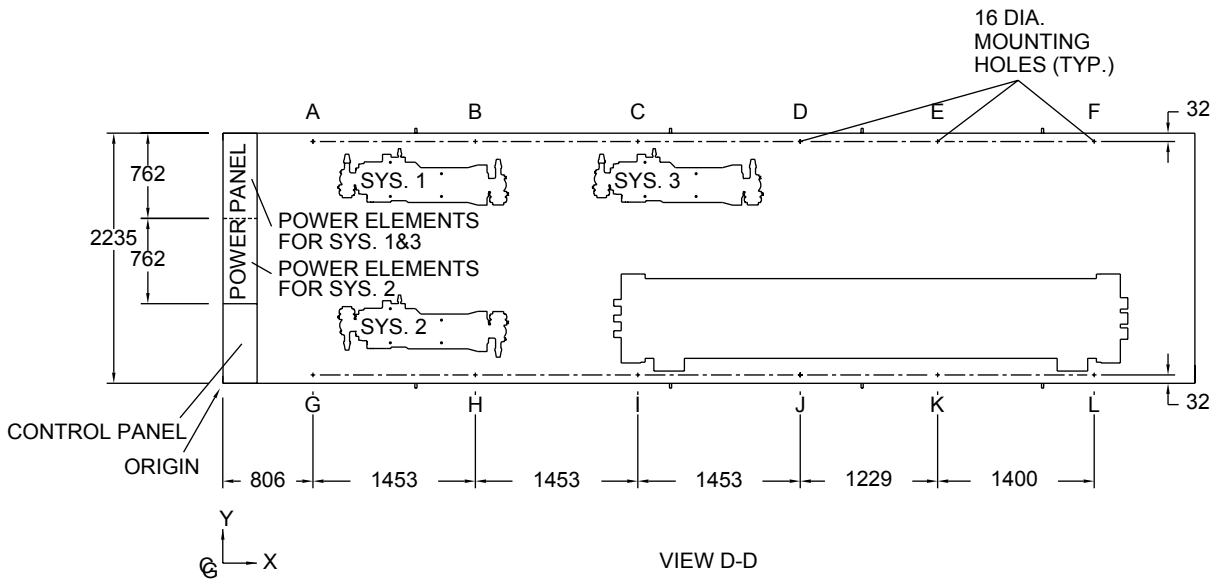
All dimensions are in mm unless otherwise noted.



LD06119

NOTES:

1. Placement on a level surface free of obstructions (including snow, for winter operation) or air recirculation ensures rated performance, reliable operation and ease of maintenance. Site restrictions may compromise minimum clearances indicated below, resulting in unpredictable air flow patterns and possible diminished performance. YORK's unit controls will optimize operation without nuisance high pressure safety cutout; however, the system designer must consider potential performance degradation. Access to the unit control center assumes the unit is no higher than on spring isolators. Recommended minimum clearances: Side to wall - 2m; rear to wall - 2m; control panel end to wall - 1.2m; top - no obstructions allowed; distance between adjacent units - 3m. No more than one adjacent wall may be higher than the unit.

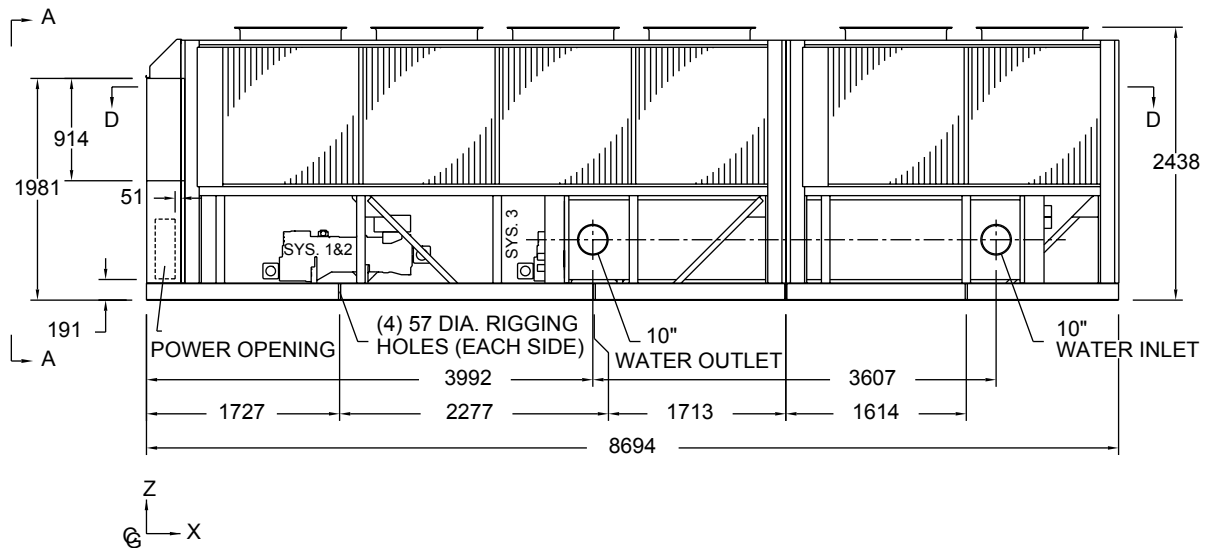


CENTER OF GRAVITY (Alum.)

YCAS	X	Y	Z
0288	4222	1026	885

CENTER OF GRAVITY (Copper)

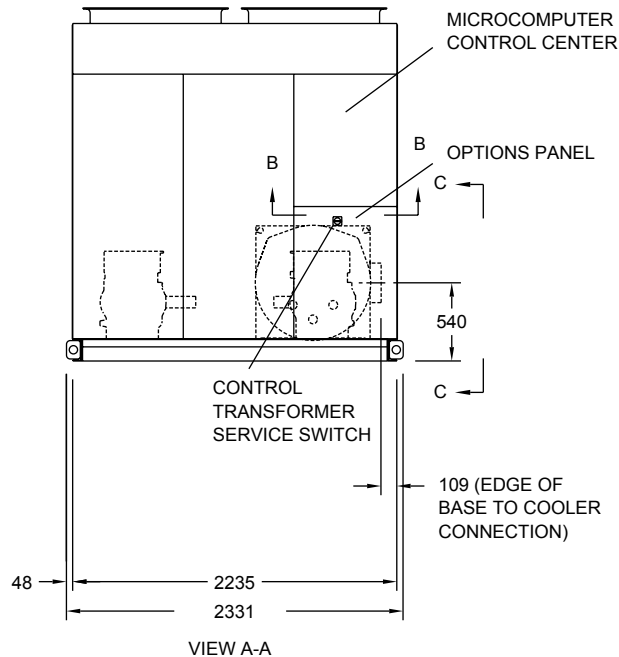
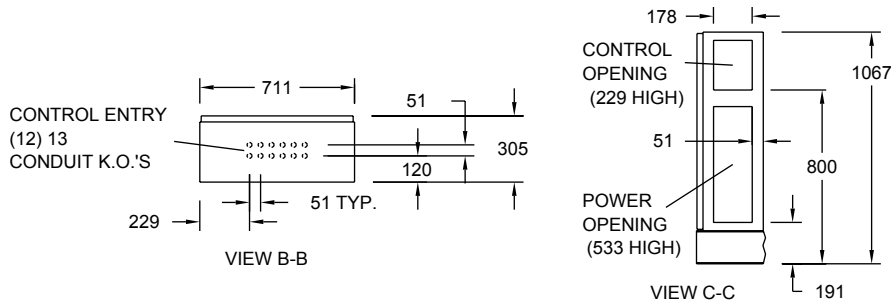
YCAS	X	Y	Z
0288	4246	1033	946



LD06120

Dimensions – YCAS0308EB (SI)

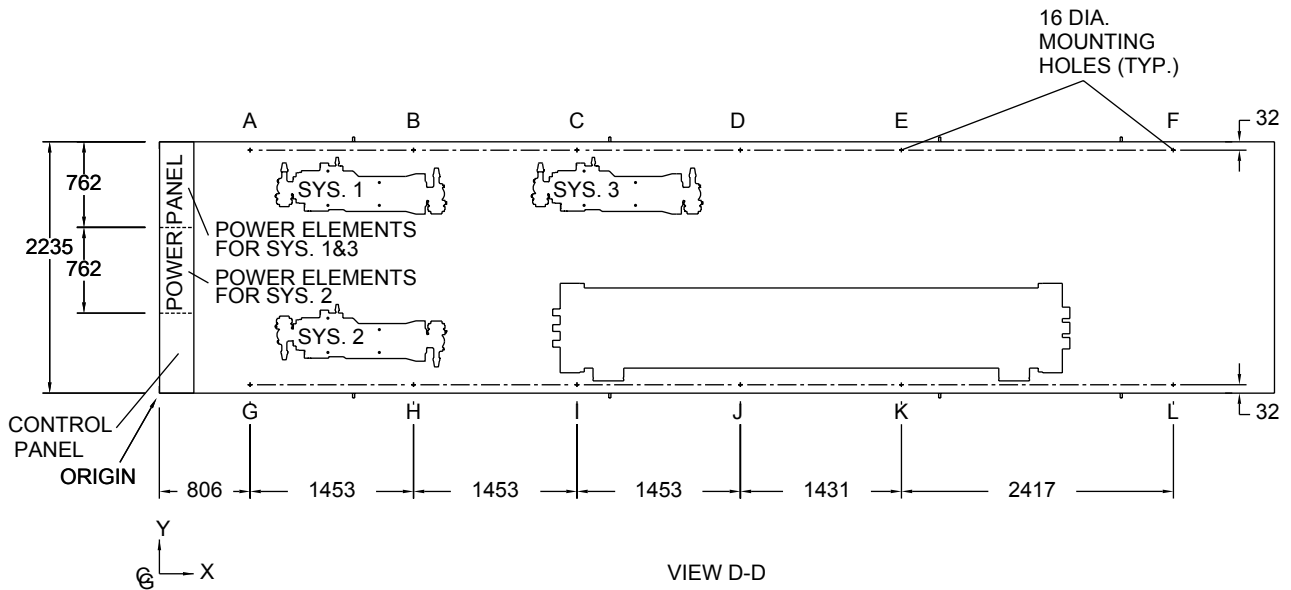
All dimensions are in mm
unless otherwise noted.



LD06123

NOTES:

1. Placement on a level surface free of obstructions (including snow, for winter operation) or air recirculation ensures rated performance, reliable operation and ease of maintenance. Site restrictions may compromise minimum clearances indicated below, resulting in unpredictable air flow patterns and possible diminished performance. YORK's unit controls will optimize operation without nuisance high pressure safety cutout; however, the system designer must consider potential performance degradation. Access to the unit control center assumes the unit is no higher than on spring isolators. Recommended minimum clearances: Side to wall - 2m; rear to wall - 2m; control panel end to wall - 1.2m; top - no obstructions allowed; distance between adjacent units - 3m. No more than one adjacent wall may be higher than the unit.

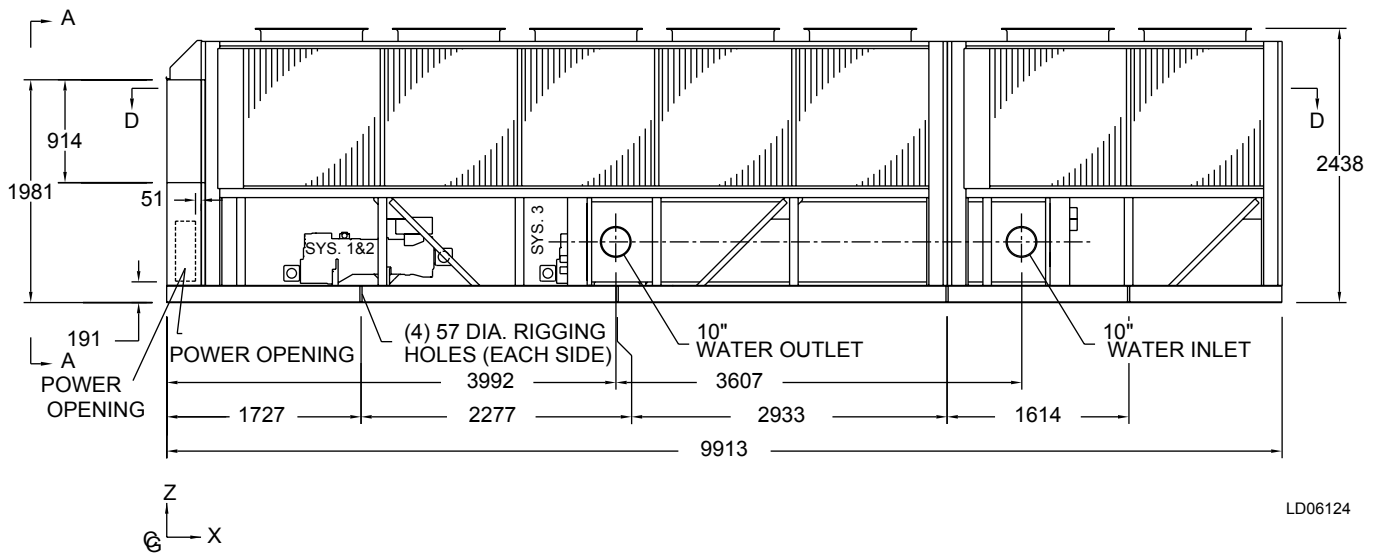


CENTER OF GRAVITY (Alum.)

YCAS	X	Y	Z
0308	4538	1029	986

CENTER OF GRAVITY (Copper)

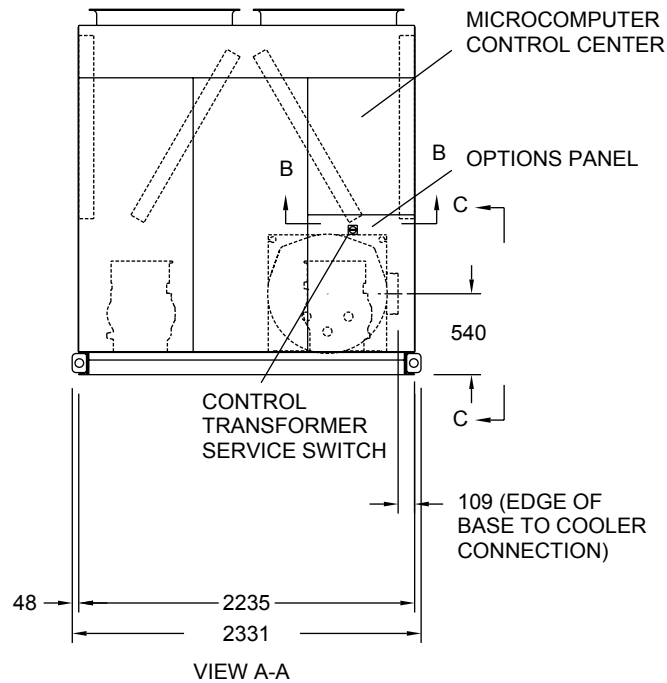
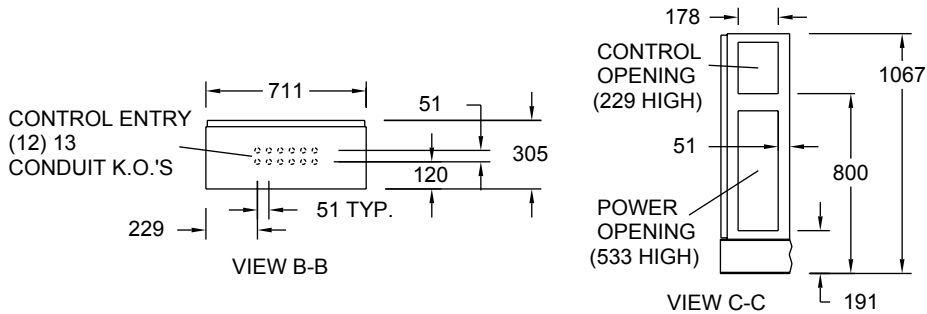
YCAS	X	Y	Z
0308	4590	1036	1043



LD06124

Dimensions – YCAS0328EB (SI)

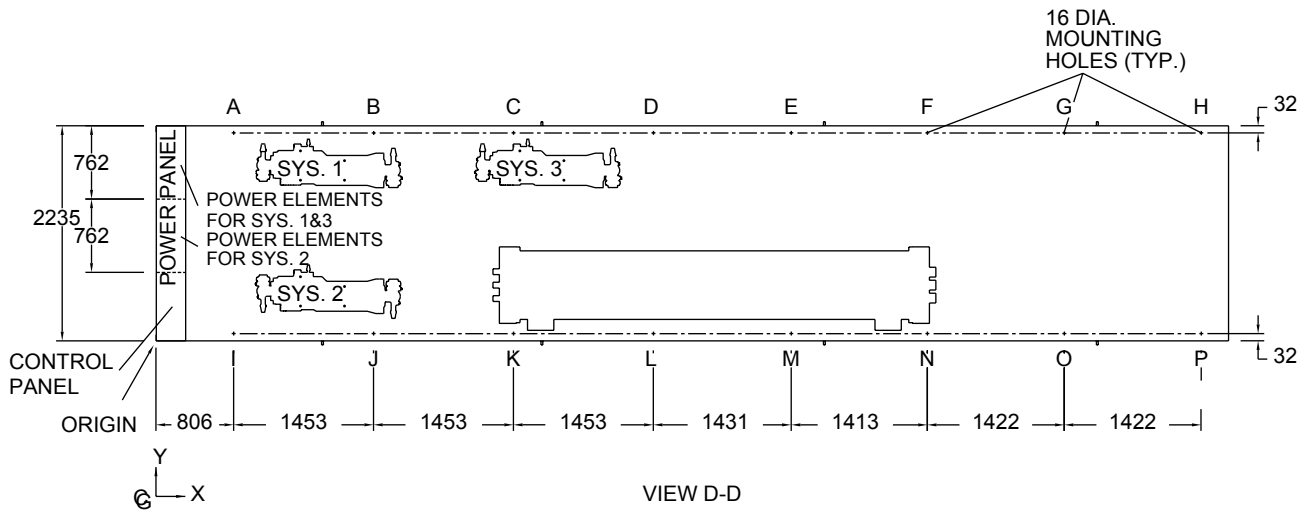
All dimensions are in mm unless otherwise noted.



LD06127

NOTES:

1. Placement on a level surface free of obstructions (including snow, for winter operation) or air recirculation ensures rated performance, reliable operation and ease of maintenance. Site restrictions may compromise minimum clearances indicated below, resulting in unpredictable air flow patterns and possible diminished performance. YORK's unit controls will optimize operation without nuisance high pressure safety cutout; however, the system designer must consider potential performance degradation. Access to the unit control center assumes the unit is no higher than on spring isolators. Recommended minimum clearances: Side to wall - 2m; rear to wall - 2m; control panel end to wall - 1.2m; top - no obstructions allowed; distance between adjacent units - 3m. No more than one adjacent wall may be higher than the unit.

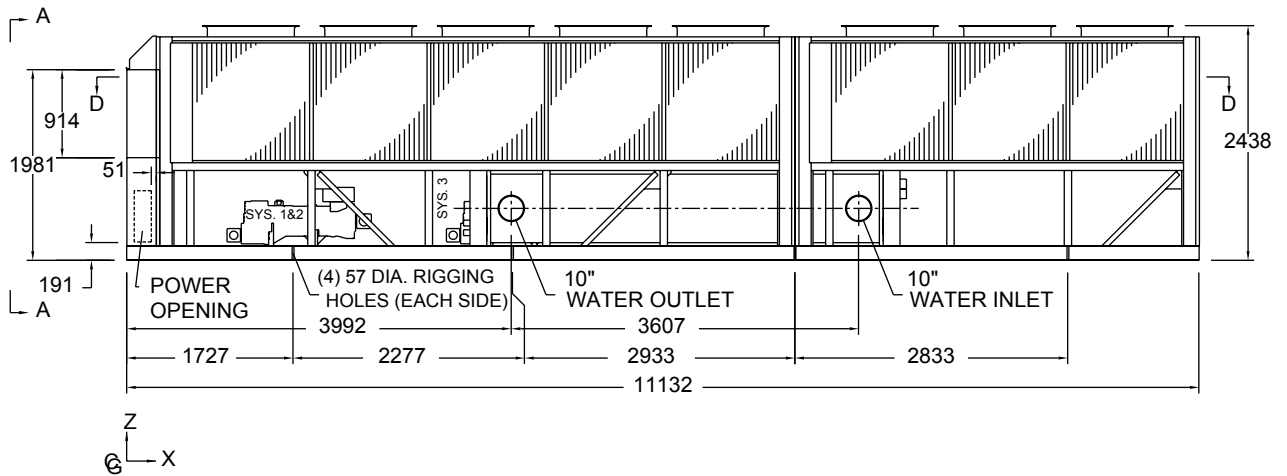


CENTER OF GRAVITY (Alum.)

YCAS	X	Y	Z
0328	4787	1041	986

CENTER OF GRAVITY (Copper)

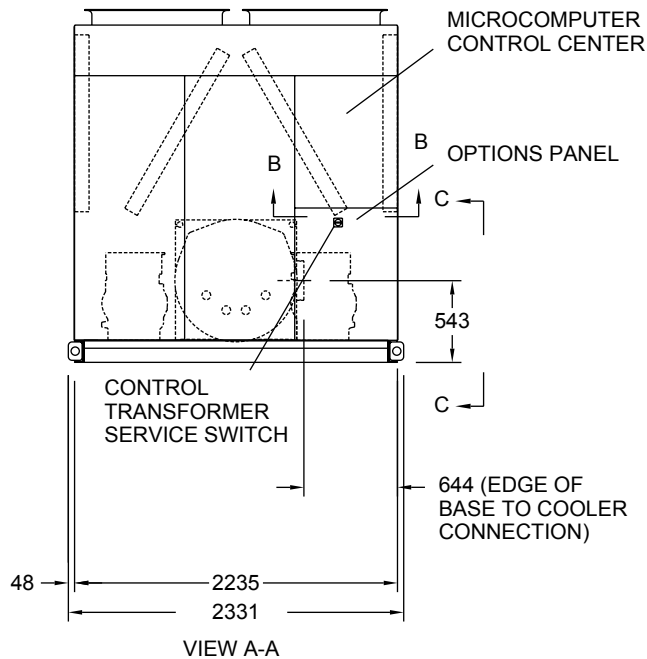
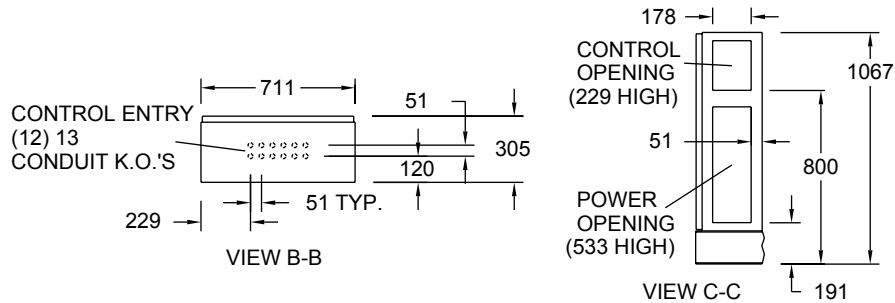
YCAS	X	Y	Z
0328	4832	1048	1041



LD06128

Dimensions – YCAS0358EB (SI)

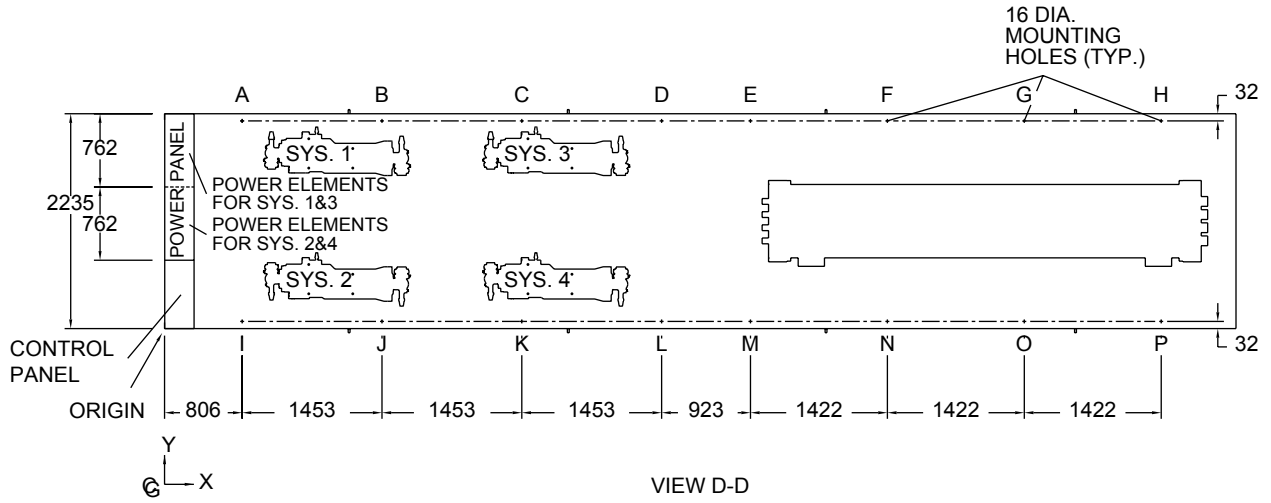
All dimensions are in mm unless otherwise noted.



LD06131

NOTES:

1. Placement on a level surface free of obstructions (including snow, for winter operation) or air recirculation ensures rated performance, reliable operation and ease of maintenance. Site restrictions may compromise minimum clearances indicated below, resulting in unpredictable air flow patterns and possible diminished performance. YORK's unit controls will optimize operation without nuisance high pressure safety cutout; however, the system designer must consider potential performance degradation. Access to the unit control center assumes the unit is no higher than on spring isolators. Recommended minimum clearances: Side to wall - 2m; rear to wall - 2m; control panel end to wall - 1.2m; top - no obstructions allowed; distance between adjacent units - 3m. No more than one adjacent wall may be higher than the unit.

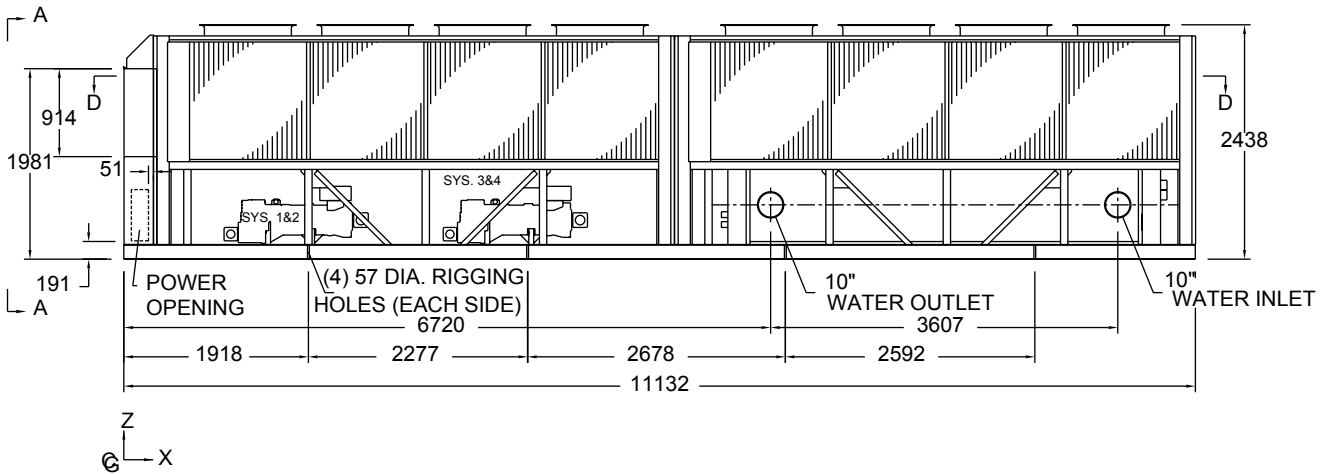


CENTER OF GRAVITY (Alum.)

YCAS	X	Y	Z
0358	5644	1119	895

CENTER OF GRAVITY (Copper)

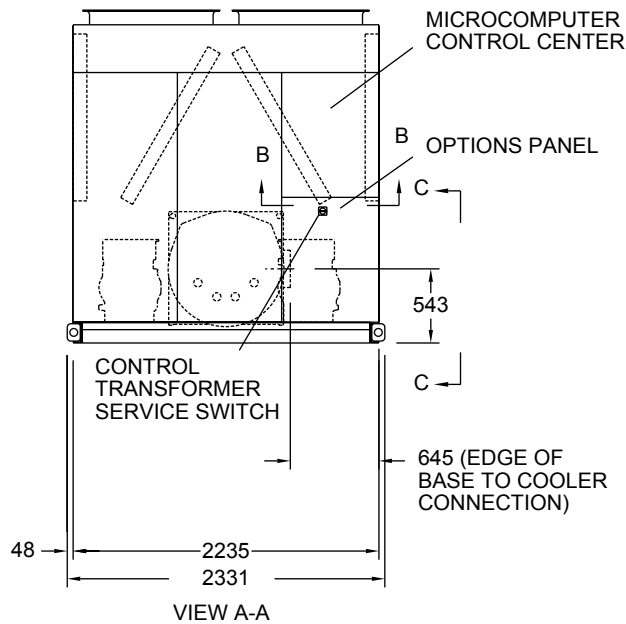
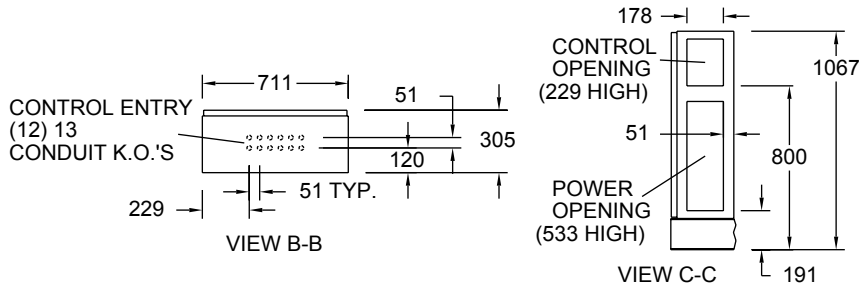
YCAS	X	Y	Z
0358	5638	1119	956



LD06132

Dimensions – YCAS0398EB-YCAS0418EB (SI)

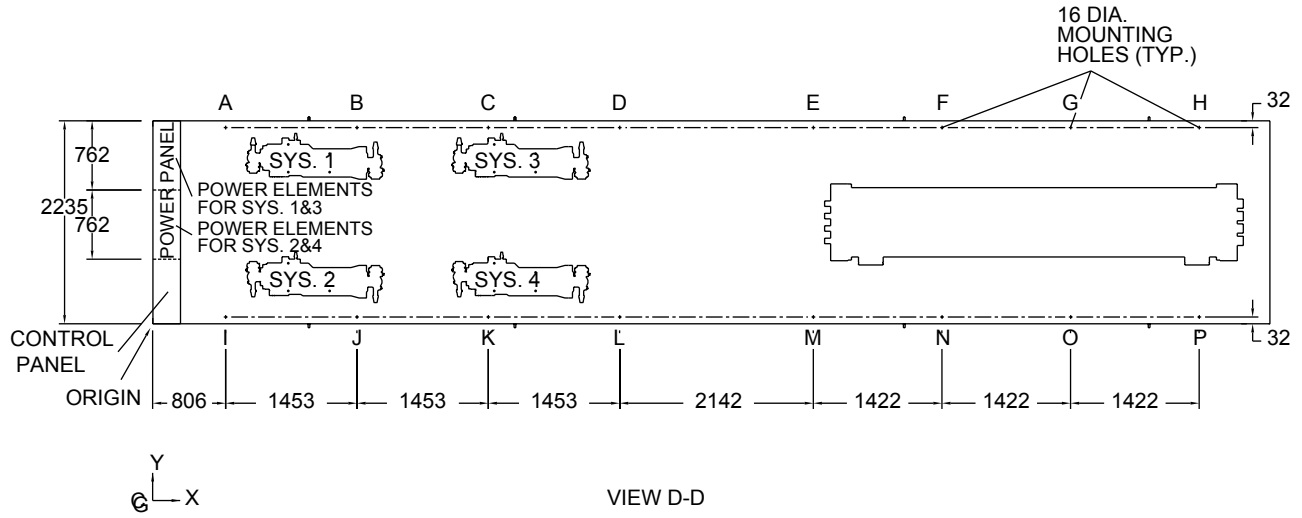
All dimensions are in mm unless otherwise noted.



LD06135

NOTES:

1. Placement on a level surface free of obstructions (including snow, for winter operation) or air recirculation ensures rated performance, reliable operation and ease of maintenance. Site restrictions may compromise minimum clearances indicated below, resulting in unpredictable air flow patterns and possible diminished performance. YORK's unit controls will optimize operation without nuisance high pressure safety cutout; however, the system designer must consider potential performance degradation. Access to the unit control center assumes the unit is no higher than on spring isolators. Recommended minimum clearances: Side to wall - 2m; rear to wall - 2m; control panel end to wall - 1.2m; top - no obstructions allowed; distance between adjacent units - 3m. No more than one adjacent wall may be higher than the unit.

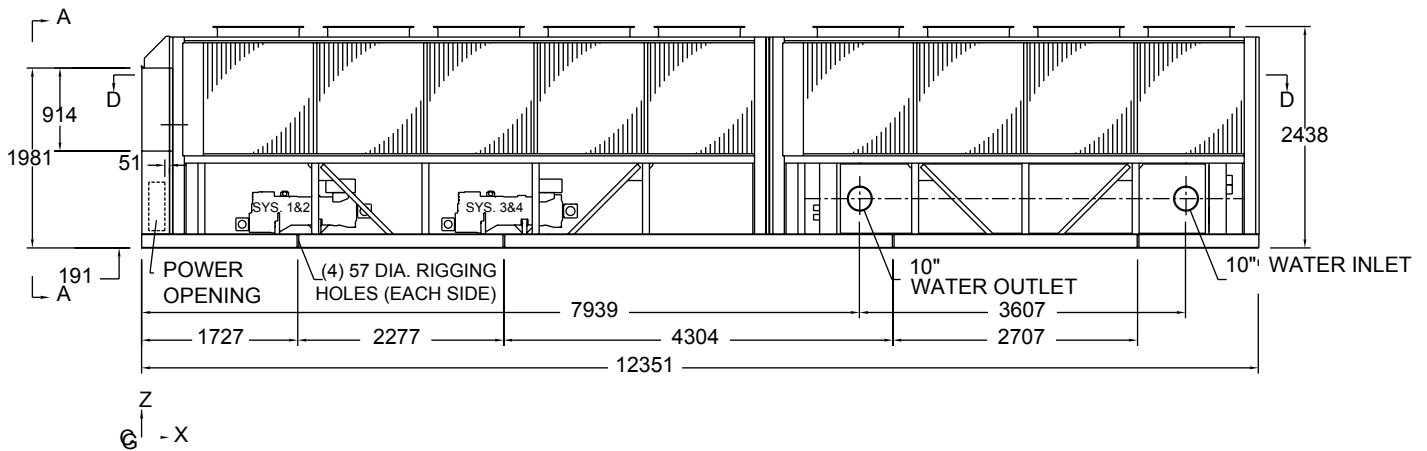


CENTER OF GRAVITY (Alum.)

YCAS	X	Y	Z
0398	6341	1124	986
0418	6331	1124	984

CENTER OF GRAVITY (Copper)

YCAS	X	Y	Z
0398	6352	1123	1044
0418	6344	1123	1041



LD06136

Operating Weights – Aluminum Fin Coils

ALUMINUM FIN WEIGHT DISTRIBUTION BY MODEL (lbs.)

60 Hz	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Total
YCAS0098	2,070	1,640	1,211	1,986	1,573	1,161	—	—	—	—	—	—	—	—	—	—	9,641
YCAS0118	2,173	1,701	1,230	2,078	1,627	1,176	—	—	—	—	—	—	—	—	—	—	9,985
YCAS0128	1,798	1,643	1,488	1,334	1,914	1,749	1,584	1,420	—	—	—	—	—	—	—	—	12,930
YCAS0138	1,861	1,665	1,469	1,272	1,762	1,576	1,390	1,204	—	—	—	—	—	—	—	—	12,200
YCAS0148	1,830	1,686	1,542	1,398	1,932	1,781	1,629	1,477	—	—	—	—	—	—	—	—	13,275
YCAS0158	1,826	1,678	1,529	1,381	1,928	1,772	1,615	1,458	—	—	—	—	—	—	—	—	13,187
YCAS0178	1,852	1,706	1,560	1,414	1,944	1,791	1,638	1,485	—	—	—	—	—	—	—	—	13,391
YCAS0198	1,740	1,759	1,777	1,796	1,803	1,823	1,842	1,861	—	—	—	—	—	—	—	—	14,401
YCAS0208	1,758	1,780	1,802	1,825	1,813	1,836	1,859	1,882	—	—	—	—	—	—	—	—	14,555
YCAS0218	1,851	1,720	2,050	1,262	1,351	1,126	1,851	1,924	2,333	1,434	2,123	1,706	—	—	—	—	20,732
YCAS0248	1,904	1,772	2,171	1,346	1,408	1,174	1,904	1,976	2,393	1,506	2,186	1,748	—	—	—	—	21,488
YCAS0268	1,935	1,817	2,140	1,339	1,414	1,178	1,935	2,021	2,388	1,507	2,192	1,752	—	—	—	—	21,617
YCAS0288	1,961	1,756	2,170	1,427	1,424	1,187	1,948	1,735	2,456	1,769	2,207	1,763	—	—	—	—	21,802
YCAS0308	1,939	1,806	2,271	1,436	1,816	1,280	1,939	1,806	2,590	1,711	2,701	1,623	—	—	—	—	22,918
YCAS0328	1,914	1,717	2,254	1,361	1,275	1,174	722	577	1,860	1,634	2,499	1,597	1,802	1,879	722	577	23,563
YCAS0358	1,904	1,770	1,805	1,244	2,335	1,351	1,215	2,495	1,856	1,687	1,520	1,397	2,485	1,201	1,215	2,495	27,975
YCAS0398	1,944	1,736	1,980	1,253	2,499	1,452	1,184	2,577	1,955	1,753	2,001	1,257	2,499	1,452	1,184	2,577	29,301
YCAS0418	1,945	1,737	2,030	1,264	2,500	1,453	1,185	2,578	1,956	1,754	2,053	1,269	2,500	1,453	1,185	2,578	29,441

ALUMINUM FIN WEIGHT DISTRIBUTION BY MODEL (kgs.)

60 Hz	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Total
YCAS0098	939	744	549	901	714	527	—	—	—	—	—	—	—	—	—	—	4,373
YCAS0118	986	772	558	943	738	533	—	—	—	—	—	—	—	—	—	—	4,529
YCAS0128	816	745	675	605	868	793	718	644	—	—	—	—	—	—	—	—	5,865
YCAS0138	844	755	666	577	799	715	630	546	—	—	—	—	—	—	—	—	5,534
YCAS0148	830	765	699	634	876	808	739	670	—	—	—	—	—	—	—	—	6,021
YCAS0158	828	761	694	626	875	804	733	661	—	—	—	—	—	—	—	—	5,982
YCAS0178	840	774	708	641	882	812	743	674	—	—	—	—	—	—	—	—	6,074
YCAS0198	789	798	806	815	818	827	836	844	—	—	—	—	—	—	—	—	6,532
YCAS0208	797	807	817	828	822	833	843	854	—	—	—	—	—	—	—	—	6,602
YCAS0218	840	780	930	572	613	511	840	873	1,058	650	963	774	—	—	—	—	9,404
YCAS0248	864	804	985	611	639	533	864	896	1,085	683	992	793	—	—	—	—	9,747
YCAS0268	878	824	971	607	641	534	878	917	1,083	684	994	795	—	—	—	—	9,805
YCAS0288	889	797	984	647	646	538	884	787	1,114	802	1,001	800	—	—	—	—	9,889
YCAS0308	880	819	1,030	651	824	581	880	819	1,175	776	1,225	736	—	—	—	—	10,395
YCAS0328	868	779	1,022	617	578	533	327	262	844	741	1,134	724	817	852	327	262	10,688
YCAS0358	864	803	819	564	1,059	613	551	1,132	842	765	689	634	1,127	545	551	1,132	12,689
YCAS0398	882	787	898	568	1,134	659	537	1,169	887	795	908	570	1,134	659	537	1,169	13,291
YCAS0418	882	1,737	2,030	1,264	2,500	1,453	1,454	1,455	1,456	1,457	1,458	1,459	1,460	1,461	1,462	1,463	13,354

Isolator Selection – Aluminum Fin Coils

ALUMINUM FINS, SEISMIC ISOLATOR SELECTIONS - VMC MODEL # AWMR-X-XXX (See Table 2)

60 Hz	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
YCAS0098	1-553	1-551	1-531	1-553	1-551	1-531	—	—	—	—	—	—	—	—	—	—
YCAS0118	1-553	1-551	1-531	1-553	1-551	1-531	—	—	—	—	—	—	—	—	—	—
YCAS0128	1-552	1-551	1-532	1-532	1-553	1-552	1-551	1-532	—	—	—	—	—	—	—	—
YCAS0138	1-552	1-551	1-532	1-531	1-552	1-551	1-532	1-531	—	—	—	—	—	—	—	—
YCAS0148	1-552	1-552	1-551	1-532	1-553	1-552	1-551	1-532	—	—	—	—	—	—	—	—
YCAS0158	1-552	1-552	1-551	1-532	1-553	1-552	1-551	1-532	—	—	—	—	—	—	—	—
YCAS0178	1-552	1-552	1-551	1-532	1-553	1-552	1-551	1-532	—	—	—	—	—	—	—	—
YCAS0198	1-552	1-552	1-552	1-552	1-552	1-552	1-552	1-552	—	—	—	—	—	—	—	—
YCAS0208	1-552	1-552	1-552	1-552	1-552	1-552	1-552	1-552	—	—	—	—	—	—	—	—
YCAS0218	1-552	1-552	2-530	1-531	1-532	1-530	1-552	1-553	2-531	1-532	1-553	2-53	—	—	—	—
YCAS0248	1-553	1-552	2-530	1-532	1-532	1-531	1-553	1-553	2-531	1-551	1-553	2-53	—	—	—	—
YCAS0268	1-553	1-552	2-530	1-532	1-532	1-531	1-553	1-553	2-531	1-551	1-553	2-53	—	—	—	—
YCAS0288	1-553	1-552	2-530	1-532	1-532	1-531	1-553	1-552	2-531	1-552	2-530	2-53	—	—	—	—
YCAS0308	1-553	1-552	2-530	1-532	1-552	1-532	1-553	1-552	2-532	1-552	2-532	2-53	—	—	—	—
YCAS0328	1-553	1-552	2-530	1-532	2-520	1-531	1-521	1-520	1-552	1-551	2-531	1-551	2-53	2-53	1-521	1-520
YCAS0358	1-553	1-552	1-552	1-531	2-531	1-532	1-531	2-531	1-552	1-552	1-551	1-532	2-531	1-531	1-531	2-531
YCAS0398	1-553	1-552	2-530	1-531	2-531	2-521	2-520	2-532	1-553	1-552	2-530	1-531	2-531	2-521	2-520	2-532
YCAS0418	1-553	1-552	2-530	1-531	2-531	2-521	2-520	2-532	1-553	1-552	2-530	1-531	2-531	2-521	2-520	2-532

ALUMINUM FINS, 1" ISOLATOR SELECTIONS - VMC TYPE CP-X-XX (See Table 3)

60 Hz	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
YCAS0098	2-31	2-28	2-27	2-31	2-28	2-26	—	—	—	—	—	—	—	—	—	—
YCAS0118	2-31	2-28	2-27	2-31	2-28	2-26	—	—	—	—	—	—	—	—	—	—
YCAS0128	2-28	2-28	2-27	2-27	2-31	2-28	2-28	2-27	—	—	—	—	—	—	—	—
YCAS0138	2-31	2-28	2-27	2-28	2-28	2-28	2-27	2-27	—	—	—	—	—	—	—	—
YCAS0148	2-31	2-28	2-28	2-27	2-31	2-28	2-28	2-27	—	—	—	—	—	—	—	—
YCAS0158	2-31	2-28	2-28	2-27	2-31	2-28	2-28	2-27	—	—	—	—	—	—	—	—
YCAS0178	2-31	2-28	2-28	2-27	2-31	2-28	2-28	2-27	—	—	—	—	—	—	—	—
YCAS0198	2-28	2-28	2-28	2-28	2-31	2-31	2-31	2-31	—	—	—	—	—	—	—	—
YCAS0208	2-28	2-28	2-31	2-31	2-31	2-31	2-31	2-31	—	—	—	—	—	—	—	—
YCAS0218	2-31	2-28	2-31	2-27	2-27	2-26	2-31	2-31	2-32	2-28	2-31	2-28	—	—	—	—
YCAS0248	2-31	2-28	2-31	2-27	2-27	2-26	2-31	2-31	2-32	2-28	2-31	2-28	—	—	—	—
YCAS0268	2-31	2-31	2-31	2-27	2-27	2-26	2-31	2-31	2-32	2-28	2-31	2-28	—	—	—	—
YCAS0288	2-31	2-28	2-31	2-27	2-27	2-26	2-31	2-28	2-32	2-28	2-32	2-28	—	—	—	—
YCAS0308	2-31	2-31	2-32	2-27	2-31	2-27	2-31	2-31	2-32	2-28	2-35	2-28	—	—	—	—
YCAS0328	2-31	2-28	2-32	2-27	2-27	2-26	2-25	2-25	2-31	2-28	2-32	2-28	2-31	2-31	2-25	2-25
YCAS0358	2-31	2-28	2-31	2-27	2-32	2-27	2-26	2-32	2-31	2-28	2-31	2-27	2-32	2-27	2-26	2-32
YCAS0398	2-31	2-28	2-31	2-27	2-32	2-27	2-26	2-32	2-31	2-28	2-31	2-27	2-32	2-27	2-26	2-32
YCAS0418	2-31	2-28	2-31	2-27	2-32	2-27	2-26	2-32	2-31	2-28	2-31	2-27	2-32	2-27	2-26	2-32

*CP-4-XX

Isolator Selection – Aluminum Fin Coils (Cont.)

ALUMINUM FINS, NEOPRENE MOUNT SELECTION- VMC TYPE RD-X (See Table 1)

60 Hz A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	
YCAS0098	-4 RED	-4 RED	-4 BLK	-4 RED	-4 RED	-4 BLK	—	—	—	—	—	—	—	—	—	—
YCAS0118	-4 RED	-4 RED	-4 BLK	-4 RED	-4 RED	-4 BLK	—	—	—	—	—	—	—	—	—	—
YCAS0128	-4 RED	-4 RED	-4 BLK	-4 BLK	-4 RED	-4 RED	-4 BLK	-4 BLK	—	—	—	—	—	—	—	—
YCAS0138	-4 RED	-4 RED	-4 BLK	-4 BLK	-4 RED	-4 RED	-4 BLK	-4 BLK	—	—	—	—	—	—	—	—
YCAS0148	-4 RED	-4 RED	-4 RED	-4 BLK	-4 RED	-4 RED	-4 RED	-4 BLK	—	—	—	—	—	—	—	—
YCAS0158	-4 RED	-4 RED	-4 RED	-4 BLK	-4 RED	-4 RED	-4 RED	-4 BLK	—	—	—	—	—	—	—	—
YCAS0178	-4 RED	-4 RED	-4 RED	-4 BLK	-4 RED	-4 RED	-4 RED	-4 BLK	—	—	—	—	—	—	—	—
YCAS0198	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	—	—	—	—	—	—	—	—
YCAS0208	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	—	—	—	—	—	—	—	—
YCAS0218	-4 RED	-4 RED	-4 RED	-4 BLK	-4 BLK	-4 BLK	-4 RED	-4 RED	-4 GRN	-4 RED	-4 RED	-4 RED	—	—	—	—
YCAS0248	-4 RED	-4 RED	-4 RED	-4 BLK	-4 BLK	-4 BLK	-4 RED	-4 RED	-4 GRN	-4 RED	-4 RED	-4 RED	—	—	—	—
YCAS0268	-4 RED	-4 RED	-4 RED	-4 BLK	-4 BLK	-4 BLK	-4 RED	-4 RED	-4 GRN	-4 RED	-4 RED	-4 RED	—	—	—	—
YCAS0288	-4 RED	-4 RED	-4 RED	-4 BLK	-4 BLK	-4 BLK	-4 RED	-4 RED	-4 GRN	-4 RED	-4 RED	-4 RED	—	—	—	—
YCAS0308	-4 RED	-4 RED	-4 GRN	-4 BLK	-4 RED	-4 BLK	-4 RED	-4 RED	-4 GRN	-4 RED	-4 GRN	-4 RED	—	—	—	—
YCAS0328	-4 RED	-4 RED	-4 GRN	-4 BLK	-4 BLK	-4 BLK	-3 GRN	-3 GRN	-4 RED	-4 RED	-4 GRN	-4 RED	-4 RED	-4 RED	-3 GRN	-3 GRN
YCAS0358	-4 RED	-4 RED	-4 RED	-4 BLK	-4 GRN	-4 BLK	-4 BLK	-4 GRN	-4 RED	-4 RED	-4 RED	-4 BLK	-4 GRN	-4 BLK	-4 BLK	-4 GRN
YCAS0398	-4 RED	-4 RED	-4 RED	-4 BLK	-4 GRN	-4 BLK	-4 BLK	-4 GRN	-4 RED	-4 RED	-4 RED	-4 BLK	-4 GRN	-4 BLK	-4 BLK	-4 GRN
YCAS0418	-4 RED	-4 RED	-4 RED	-4 BLK	-4 GRN	-4 BLK	-4 BLK	-4 GRN	-4 RED	-4 RED	-4 RED	-4 BLK	-4 GRN	-4 BLK	-4 BLK	-4 GRN

Operating Weights

Copper Fin Coils (or Aluminum Fin with Optional Silencer)

COPPER FIN (OR ALUMINUM FIN WITH OPTIONAL SILENCER KIT) WEIGHT DISTRIBUTION BY MODEL (lbs.)

60 HzA	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Total	
YCAS0098	2,263	1,790	1,318	2,179	1,723	1,268	—	—	—	—	—	—	—	—	—	—	10,541
YCAS0118	2,347	1,851	1,356	2,252	1,777	1,302	—	—	—	—	—	—	—	—	—	—	10,885
YCAS0128	1,921	1,789	1,657	1,526	2,033	1,894	1,755	1,615	—	—	—	—	—	—	—	—	14,190
YCAS0138	1,981	1,810	1,639	1,468	1,884	1,722	1,559	1,396	—	—	—	—	—	—	—	—	13,459
YCAS0148	1,953	1,832	1,711	1,591	2,052	1,925	1,799	1,672	—	—	—	—	—	—	—	—	14,535
YCAS0158	1,949	1,823	1,698	1,573	2,048	1,917	1,785	1,654	—	—	—	—	—	—	—	—	14,447
YCAS0178	1,975	1,852	1,730	1,607	2,064	1,936	1,808	1,680	—	—	—	—	—	—	—	—	14,651
YCAS0198	1,884	1,934	1,983	2,033	1,946	1,997	2,048	2,100	—	—	—	—	—	—	—	—	15,925
YCAS0208	1,902	1,955	2,008	2,061	1,956	2,011	2,065	2,120	—	—	—	—	—	—	—	—	16,079
YCAS0218	1,971	1,902	2,214	1,425	1,504	1,287	1,971	2,107	2,480	1,615	2,295	1,849	—	—	—	—	22,620
YCAS0248	2,024	1,955	2,336	1,509	1,563	1,335	2,024	2,160	2,540	1,687	2,359	1,891	—	—	—	—	23,383
YCAS0268	2,054	2,000	2,305	1,501	1,567	1,339	2,054	2,204	2,535	1,688	2,364	1,895	—	—	—	—	23,505
YCAS0288	2,081	1,939	2,334	1,589	1,578	1,348	2,067	1,917	2,602	1,950	2,378	1,906	—	—	—	—	23,690
YCAS0308	2,019	1,956	2,396	1,589	2,017	1,484	2,019	1,956	2,701	1,877	2,924	1,804	—	—	—	—	24,742
YCAS0328	2,030	1,894	2,413	1,555	1,419	1,265	841	651	1,975	1,811	2,640	1,810	1,956	1,961	841	651	25,715
YCAS0358	2,020	1,953	1,969	1,377	2,486	1,513	1,395	2,667	2,083	1,870	1,666	1,548	2,654	1,345	1,395	2,667	30,606
YCAS0398	2,066	1,918	2,162	1,467	2,693	1,636	1,371	2,750	2,184	1,935	2,184	1,472	2,693	1,636	1,371	2,750	32,286
YCAS0418	2,069	1,922	2,215	1,481	2,696	1,639	1,374	2,753	2,237	1,939	2,237	1,486	2,696	1,639	1,374	2,753	32,509

COPPER FIN (OR ALUMINUM FIN WITH OPTIONAL SILENCER KIT) WEIGHT DISTRIBUTION BY MODEL (kgs.)

60 Hz	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Total
YCAS0098	1,026	812	598	988	782	575	—	—	—	—	—	—	—	—	—	—	4,781
YCAS0118	1,065	840	615	1,021	806	591	—	—	—	—	—	—	—	—	—	—	4,937
YCAS0128	871	811	752	692	922	859	796	733	—	—	—	—	—	—	—	—	6,436
YCAS0138	899	821	743	666	855	781	707	633	—	—	—	—	—	—	—	—	6,105
YCAS0148	886	831	776	722	931	873	816	758	—	—	—	—	—	—	—	—	6,593
YCAS0158	884	827	770	714	929	870	810	750	—	—	—	—	—	—	—	—	6,553
YCAS0178	896	840	785	729	936	878	820	762	—	—	—	—	—	—	—	—	6,646
YCAS0198	855	877	899	922	883	906	929	953	—	—	—	—	—	—	—	—	7,223
YCAS0208	863	887	911	935	887	912	937	962	—	—	—	—	—	—	—	—	7,293
YCAS0218	894	863	1,004	646	682	584	894	956	1,125	733	1,041	839	—	—	—	—	10,260
YCAS0248	918	887	1,060	684	709	606	918	980	1,152	765	1,070	858	—	—	—	—	10,606
YCAS0268	932	907	1,046	681	711	607	932	1,000	1,150	766	1,072	860	—	—	—	—	10,662
YCAS0288	944	880	1,059	721	716	611	938	870	1,180	885	1,079	865	—	—	—	—	10,746
YCAS0308	916	887	1,087	721	915	673	916	887	1,225	851	1,326	818	—	—	—	—	11,223
YCAS0328	921	859	1,095	705	644	574	381	295	896	821	1,197	821	887	889	381	295	11,664
YCAS0358	916	886	893	625	1,128	686	633	1,210	945	848	756	702	1,204	610	633	1,210	13,883
YCAS0398	937	870	981	665	1,222	742	622	1,247	991	878	991	668	1,222	742	622	1,247	14,645
YCAS0418	938	1,737	2,030	1,264	2,500	1,453	1,454	1,455	1,456	1,457	1,458	1,459	1,460	1,461	1,462	1,463	14,746

Isolator Selection

Copper Fin Coils (or Aluminum Fin with Optional Silencer)

COPPER FINS (OR ALUMINUM FIN WITH OPT. SILENCER KIT), SEISMIC ISOLATOR SELECTIONS - VMC MODEL # AWMR-X-XXX – (See Table 2)

60 Hz	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
YCAS0098	2-531	1-552	1-532	2-530	1-552	1-532	—	—	—	—	—	—	—	—	—	—
YCAS0118	2-531	1-552	1-532	2-530	1-552	1-532	—	—	—	—	—	—	—	—	—	—
YCAS0128	1-553	1-552	1-551	1-551	1-553	1-552	1-552	1-551	—	—	—	—	—	—	—	—
YCAS0138	1-553	1-552	1-551	2-521	1-553	1-552	1-552	1-551	—	—	—	—	—	—	—	—
YCAS0148	1-553	1-552	1-552	1-552	1-553	1-553	1-552	1-552	—	—	—	—	—	—	—	—
YCAS0158	1-553	1-552	1-552	1-552	1-553	1-553	1-552	1-552	—	—	—	—	—	—	—	—
YCAS0178	1-553	1-552	1-552	1-552	1-553	1-553	1-552	1-552	—	—	—	—	—	—	—	—
YCAS0198	1-553	1-553	1-553	1-553	1-553	1-553	1-553	1-553	—	—	—	—	—	—	—	—
YCAS0208	1-553	1-553	1-553	1-553	1-553	1-553	1-553	1-553	—	—	—	—	—	—	—	—
YCAS0218	1-553	1-553	2-530	1-532	1-551	1-532	1-553	1-553	2-531	1-551	2-531	2-53	—	—	—	—
YCAS0248	1-553	1-553	2-531	1-551	1-551	1-532	1-553	2-530	2-531	1-552	2-531	2-53	—	—	—	—
YCAS0268	1-553	1-553	2-531	1-551	1-551	1-532	1-553	2-530	2-531	1-552	2-531	2-53	—	—	—	—
YCAS0288	1-553	1-553	2-531	1-551	1-553	1-532	1-553	1-553	2-532	1-553	2-532	2-53	—	—	—	—
YCAS0308	1-553	1-553	2-531	1-551	1-553	1-551	1-553	1-553	2-532	1-552	2-532	2-53	—	—	—	—
YCAS0328	1-553	1-552	2-531	1-551	2-521	1-551	1-530	1-553	2-530	1-552	2-532	1-552	2-53	2-530	1-530	1-521
YCAS0358	1-553	1-553	2-53	1-532	2-531	1-551	1-532	2-532	1-553	1-552	2-53	1-551	2-532	2-521	1-532	2-532
YCAS0398	1-553	1-553	2-530	1-532	2-532	2-53	2-521	2-532	1-553	1-553	2-530	1-532	2-532	2-53	2-521	2-532
YCAS0418	1-553	1-553	2-530	1-532	2-532	2-53	2-521	2-532	1-553	1-553	2-530	1-532	2-532	2-53	2-521	2-532

COPPER FINS (OR ALUMINUM FIN WITH OPTIONAL SILENCER KIT), 1" ISOLATOR SELECTIONS - VMC TYPE CP-X-XX – (See Table 3)

60 Hz	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
YCAS0098	2-32	2-31	2-27	2-32	2-31	2-27	—	—	—	—	—	—	—	—	—	—
YCAS0118	2-32	2-31	2-27	2-32	2-31	2-27	—	—	—	—	—	—	—	—	—	—
YCAS0128	2-31	2-31	2-28	2-28	2-31	2-31	2-28	2-28	—	—	—	—	—	—	—	—
YCAS0138	2-31	2-31	2-28	2-28	2-31	2-31	2-28	2-28	—	—	—	—	—	—	—	—
YCAS0148	2-31	2-31	2-28	2-28	2-31	2-31	2-28	2-28	—	—	—	—	—	—	—	—
YCAS0158	2-31	2-31	2-28	2-28	2-31	2-31	2-28	2-28	—	—	—	—	—	—	—	—
YCAS0178	2-31	2-31	2-28	2-28	2-31	2-31	2-28	2-28	—	—	—	—	—	—	—	—
YCAS0198	2-31	2-31	2-31	2-31	2-31	2-31	2-31	2-31	—	—	—	—	—	—	—	—
YCAS0208	2-31	2-31	2-31	2-31	2-31	2-31	2-31	2-31	—	—	—	—	—	—	—	—
YCAS0218	2-31	2-31	2-32	2-27	2-28	2-27	2-31	2-32	2-32	2-28	2-32	2-31	—	—	—	—
YCAS0248	2-31	2-31	2-32	2-27	2-28	2-27	2-31	2-32	2-32	2-28	2-32	2-31	—	—	—	—
YCAS0268	2-31	2-31	2-32	2-27	2-28	2-27	2-31	2-32	2-32	2-28	2-32	2-31	—	—	—	—
YCAS0288	2-31	2-31	2-32	2-28	2-31	2-28	2-31	2-31	2-35	2-31	2-35	2-31	—	—	—	—
YCAS0308	2-31	2-31	2-32	2-28	2-31	2-28	2-31	2-31	2-35	2-31	2-35	2-31	—	—	—	—
YCAS0328	2-31	2-31	2-32	2-28	2-27	2-27	2-26	2-25	2-31	2-31	2-35	2-31	2-31	2-31	2-26	2-25
YCAS0358	2-32	2-31	2-31	2-27	2-35	2-28	2-27	2-35	2-32	2-31	2-32	2-27	2-35	2-28	2-27	2-35
YCAS0398	2-32	2-31	2-31	2-27	2-35	2-28	2-27	2-35	2-32	2-31	2-32	2-27	2-35	2-28	2-27	2-35
YCAS0418	2-32	2-31	2-31	2-27	2-35	2-28	2-27	2-35	2-32	2-31	2-32	2-27	2-35	2-28	2-27	2-35

COPPER FINS (OR ALUMINUM FIN WITH OPTIONAL SILENCER KIT), NEOPRENE MOUNT SELECTION- VMC TYPE RD-X (See Table 1)

60 Hz A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	
YCAS0098	-4 GRN	-4 RED	-4 BLK	-4 GRN	-4 RED	-4 BLK	—	—	—	—	—	—	—	—	—	
YCAS0118	-4 GRN	-4 RED	-4 BLK	-4 GRN	-4 RED	-4 BLK	—	—	—	—	—	—	—	—	—	
YCAS0128	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	—	—	—	—	—	—	—	
YCAS0138	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	—	—	—	—	—	—	—	
YCAS0148	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	—	—	—	—	—	—	—	
YCAS0158	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	—	—	—	—	—	—	—	
YCAS0178	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	—	—	—	—	—	—	—	
YCAS0198	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	—	—	—	—	—	—	—	
YCAS0208	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	—	—	—	—	—	—	—	
YCAS0218	-4 RED	-4 RED	-4 RED	-4 BLK	-4 RED	-4 BLK	-4 RED	-4 RED	-4 GRN	-4 RED	-4 GRN	-4 RED	—	—	—	
YCAS0248	-4 RED	-4 RED	-4 GRN	-4 RED	-4 RED	-4 BLK	-4 RED	-4 RED	-4 GRN	-4 RED	-4 GRN	-4 RED	—	—	—	
YCAS0268	-4 RED	-4 RED	-4 GRN	-4 RED	-4 RED	-4 BLK	-4 RED	-4 RED	-4 GRN	-4 RED	-4 GRN	-4 RED	—	—	—	
YCAS0288	-4 RED	-4 RED	-4 GRN	-4 RED	-4 RED	-4 BLK	-4 RED	-4 RED	-4 GRN	-4 RED	-4 GRN	-4 RED	—	—	—	
YCAS0308	-4 RED	-4 RED	-4 GRN	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 GRN	-4 RED	-4 GRN	-4 RED	—	—	—	
YCAS0328	-4 RED	-4 RED	-4 GRN	-4 RED	-4 BLK	-4 BLK	-3 GRAY	-3 GRAY	-4 RED	-4 RED	-4 GRN	-4 RED	-4 RED	-4 RED	-3 GRAY	-3 GRAY
YCAS0358	-4 RED	-4 RED	-4 RED	-4 BLK	-4 GRN	-4 RED	-4 BLK	-4 GRN	-4 RED	-4 RED	-4 RED	-4 RED	-4 GRN	-4 BLK	-4 BLK	-4 GRN
YCAS0398	-4 RED	-4 RED	-4 RED	-4 BLK	-4 GRN	-4 RED	-4 BLK	-4 GRN	-4 RED	-4 RED	-4 RED	-4 BLK	-4 GRN	-4 RED	-4 BLK	-4 GRN
YCAS0418	-4 RED	-4 RED	-4 RED	-4 BLK	-4 GRN	-4 RED	-4 BLK	-4 GRN	-4 RED	-4 RED	-4 RED	-4 BLK	-4 GRN	-4 RED	-4 BLK	-4 GRN

Operating Weights

Copper Fin Coils with Optional Silencer Kit

COPPER FIN WITH OPTIONAL SILENCER KIT WEIGHT DISTRIBUTION BY MODEL (lbs.)

60 Hz	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Total
YCAS0098	2,446	1,980	1,515	2,364	1,913	1,463	—	—	—	—	—	—	—	—	—	—	11,681
YCAS0118	2,529	2,041	1,554	2,437	1,967	1,497	—	—	—	—	—	—	—	—	—	—	12,025
YCAS0128	2,062	1,941	1,820	1,699	2,165	2,038	1,911	1,784	—	—	—	—	—	—	—	—	15,421
YCAS0138	2,045	1,951	1,857	1,764	1,955	1,865	1,776	1,686	—	—	—	—	—	—	—	—	14,899
YCAS0148	2,023	1,975	1,928	1,881	2,116	2,067	2,017	1,968	—	—	—	—	—	—	—	—	15,975
YCAS0158	2,019	1,967	1,915	1,863	2,112	2,058	2,004	1,949	—	—	—	—	—	—	—	—	15,887
YCAS0178	2,044	1,995	1,946	1,897	2,129	2,077	2,026	1,975	—	—	—	—	—	—	—	—	16,091
YCAS0198	2,079	2,144	2,208	2,273	2,140	2,207	2,274	2,340	—	—	—	—	—	—	—	—	17,665
YCAS0208	2,097	2,165	2,233	2,302	2,150	2,220	2,290	2,360	—	—	—	—	—	—	—	—	17,819
YCAS0218	2,121	2,052	2,349	1,590	1,681	1,530	2,121	2,257	2,600	1,795	2,499	2,065	—	—	—	—	24,660
YCAS0248	2,174	2,105	2,471	1,674	1,740	1,578	2,174	2,310	2,660	1,867	2,563	2,107	—	—	—	—	25,423
YCAS0268	2,204	2,647	2,440	1,629	1,744	1,582	2,204	2,354	2,655	1,868	2,568	2,111	—	—	—	—	26,005
YCAS0288	2,231	2,089	2,469	1,754	1,755	1,591	2,217	2,067	2,722	2,130	2,582	2,122	—	—	—	—	25,730
YCAS0308	2,219	2,156	2,576	1,809	2,249	1,772	2,219	2,156	2,861	2,117	2,982	2,266	—	—	—	—	27,382
YCAS0328	2,180	2,044	2,548	1,720	1,584	1,400	991	921	2,125	1,961	2,760	1,990	2,136	2,081	991	921	28,355
YCAS0358	2,170	2,103	2,104	1,542	2,651	1,648	1,545	2,937	2,121	2,020	1,786	1,728	2,834	1,465	1,545	2,937	33,135
YCAS0398	2,229	2,081	2,325	1,630	2,855	1,798	1,568	2,998	2,239	2,098	2,347	1,635	2,855	1,798	1,568	2,998	35,025
YCAS0418	2,230	2,083	2,376	1,642	2,857	1,800	1,585	2,984	2,241	2,099	2,398	1,647	2,857	1,800	1,585	2,984	35,165

COPPER FIN WITH OPTIONAL SILENCER KIT WEIGHT DISTRIBUTION BY MODEL (kg.)

60 Hz	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Total
YCAS0098	1,109	898	687	1,072	868	664	—	—	—	—	—	—	—	—	—	—	5,298
YCAS0118	1,147	926	705	1,105	892	679	—	—	—	—	—	—	—	—	—	—	5,454
YCAS0128	935	880	826	771	982	924	867	809	—	—	—	—	—	—	—	—	6,995
YCAS0138	928	885	843	800	887	846	805	765	—	—	—	—	—	—	—	—	6,758
YCAS0148	918	896	875	853	960	938	915	893	—	—	—	—	—	—	—	—	7,246
YCAS0158	916	892	869	845	958	933	909	884	—	—	—	—	—	—	—	—	7,206
YCAS0178	927	905	883	860	966	942	919	896	—	—	—	—	—	—	—	—	7,299
YCAS0198	943	973	1,002	1,031	971	1,001	1,031	1,061	—	—	—	—	—	—	—	—	8,013
YCAS0208	951	982	1,013	1,044	975	1,007	1,039	1,070	—	—	—	—	—	—	—	—	8,083
YCAS0218	962	931	1,065	721	762	694	962	1,024	1,179	814	1,134	937	—	—	—	—	11,186
YCAS0248	986	955	1,121	759	789	716	986	1,048	1,207	847	1,163	956	—	—	—	—	11,532
YCAS0268	1,000	1,201	1,107	739	791	718	1,000	1,068	1,204	847	1,165	958	—	—	—	—	11,796
YCAS0288	1,012	948	1,120	796	796	722	1,006	938	1,235	966	1,171	963	—	—	—	—	11,671
YCAS0308	1,007	978	1,168	821	1,020	804	1,007	978	1,298	960	1,353	1,028	—	—	—	—	12,420
YCAS0328	989	927	1,156	780	718	635	450	418	964	889	1,252	903	969	944	450	418	12,862
YCAS0358	984	954	954	699	1,202	748	701	1,332	962	916	810	784	1,285	665	701	1,332	15,030
YCAS0398	1,011	944	1,055	739	1,295	816	711	1,360	1,016	952	1,065	742	1,295	816	711	1,360	15,887
YCAS0418	1,012	1,737	2,030	1,264	2,500	1,453	1,454	1,455	1,456	1,457	1,458	1,459	1,460	1,461	1,462	1,463	15,951

Isolator Selection

Copper Fin Coils with Optional Silencer Kit

COPPER FINNS WITH OPTIONAL SILENCER KIT, SEISMIC ISOLATOR SELECTIONS - VMC MODEL # AWMR-X-XXX – (See Table 2)

60 Hz	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
YCAS0098	2-531	1-553	1-551	2-531	1-553	1-532	—	—	—	—	—	—	—	—	—	—
YCAS0118	2-531	1-553	1-551	2-531	1-553	1-532	—	—	—	—	—	—	—	—	—	—
YCAS0128	1-553	1-553	1-553	1-552	1-553	1-553	1-553	1-553	—	—	—	—	—	—	—	—
YCAS0138	1-553	2-53	1-552	1-552	2-53	1-552	1-552	1-552	—	—	—	—	—	—	—	—
YCAS0148	1-553	1-553	1-553	1-552	1-553	1-553	1-553	1-553	—	—	—	—	—	—	—	—
YCAS0158	1-553	1-553	1-553	1-552	1-553	1-553	1-553	1-553	—	—	—	—	—	—	—	—
YCAS0178	1-553	1-553	1-553	1-552	1-553	1-553	1-553	1-553	—	—	—	—	—	—	—	—
YCAS0198	1-553	1-553	2-530	2-531	1-553	2-530	2-530	2-531	—	—	—	—	—	—	—	—
YCAS0208	1-553	1-553	2-530	2-531	1-553	2-530	2-530	2-531	—	—	—	—	—	—	—	—
YCAS0218	1-553	1-553	2-531	1-551	1-552	2-521	1-553	2-530	2-532	1-552	2-531	1-553	—	—	—	—
YCAS0248	1-553	1-553	2-531	1-551	1-552	1-551	1-553	2-531	2-532	1-552	2-532	1-553	—	—	—	—
YCAS0268	2-530	2-532	2-531	1-551	1-552	1-551	2-530	2-531	2-532	1-552	2-532	1-553	—	—	—	—
YCAS0288	2-530	1-553	2-531	1-552	1-552	1-551	2-530	1-553	2-532	1-553	2-532	1-553	—	—	—	—
YCAS0308	2-530	1-553	2-532	1-552	2-530	1-552	2-530	1-553	2-532	1-553	2-532	2-530	—	—	—	—
YCAS0328	1-553	1-553	2-531	1-552	2-530	1-532	1-530	1-530	1-553	1-553	2-532	1-553	2-530	2-530	1-530	1-530
YCAS0358	1-553	1-553	2-530	1-551	2-532	1-551	1-551	2-532	1-553	1-553	2-53	1-552	2-532	1-532	1-551	2-532
YCAS0398	2-530	1-553	2-530	1-551	2-532	2-53	2-53	2-532	2-530	1-553	2-531	1-551	2-532	2-53	2-53	2-532
YCAS0418	2-530	1-553	2-530	1-551	2-532	2-53	2-53	2-532	2-530	1-553	2-531	1-551	2-532	2-53	2-521	2-532

COPPER FINNS WITH OPTIONAL SILENCER KIT, 1" ISOLATOR SELECTIONS - VMC TYPE CP-X-XX – (See Table 3)

60 Hz	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
YCAS0098	2-32	2-31	2-28	2-32	2-31	2-27	—	—	—	—	—	—	—	—	—	—
YCAS0118	2-32	2-31	2-28	2-32	2-31	2-27	—	—	—	—	—	—	—	—	—	—
YCAS0128	2-31	2-31	2-31	2-31	2-31	2-31	2-31	2-31	—	—	—	—	—	—	—	—
YCAS0138	2-31	2-31	2-31	2-31	2-31	2-31	2-31	2-31	—	—	—	—	—	—	—	—
YCAS0148	2-31	2-31	2-31	2-31	2-31	2-31	2-31	2-31	—	—	—	—	—	—	—	—
YCAS0158	2-31	2-31	2-31	2-31	2-31	2-31	2-31	2-31	—	—	—	—	—	—	—	—
YCAS0178	2-31	2-31	2-31	2-31	2-31	2-31	2-31	2-31	—	—	—	—	—	—	—	—
YCAS0198	2-31	2-31	2-32	2-32	2-31	2-32	2-32	2-32	—	—	—	—	—	—	—	—
YCAS0208	2-31	2-31	2-32	2-32	2-31	2-32	2-32	2-32	—	—	—	—	—	—	—	—
YCAS0218	2-31	2-31	2-32	2-28	2-28	2-28	2-31	2-32	2-32	2-28	2-32	2-31	—	—	—	—
YCAS0248	2-31	2-31	2-32	2-28	2-28	2-28	2-31	2-32	2-35	2-31	2-32	2-31	—	—	—	—
YCAS0268	2-32	2-35	2-32	2-28	2-28	2-28	2-32	2-32	2-35	2-31	2-32	2-31	—	—	—	—
YCAS0288	2-32	2-31	2-32	2-28	2-28	2-28	2-32	2-31	2-35	2-31	2-32	2-31	—	—	—	—
YCAS0308	2-32	2-31	2-32	2-31	2-32	2-28	2-32	2-31	2-35	2-31	2-35	2-32	—	—	—	—
YCAS0328	2-31	2-31	2-32	2-28	2-28	2-27	2-26	2-26	2-31	2-31	2-35	2-31	2-31	2-31	2-26	2-26
YCAS0358	2-32	2-31	2-32	2-28	2-35	2-28	2-28	2-35	2-32	2-31	2-32	2-28	2-35	2-28	2-28	2-35
YCAS0398	2-32	2-31	2-32	2-28	2-35	2-28	2-28	2-35	2-32	2-31	2-32	2-28	2-35	2-28	2-28	2-35
YCAS0418	2-32	2-31	2-32	2-28	2-35	2-28	2-28	2-35	2-32	2-31	2-32	2-28	2-35	2-28	2-28	2-35

*CP-4-XX

Isolator Selection

Copper Fin Coils with Optional Silencer Kit

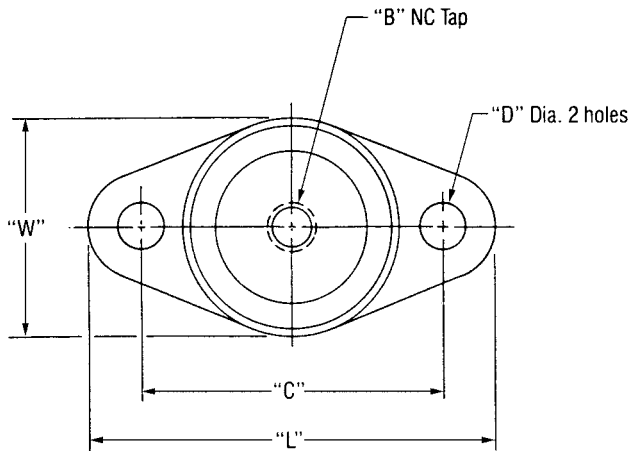
COPPER FINNS WITH OPTIONAL SILENCER KIT, NEOPRENE MOUNT SELECTION- VMC TYPE RD-X (See Table 1)

60 Hz	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
YCAS0098	-4 GRN	-4 RED	-4 RED	-4 GRN	-4 RED	-4 BLK	—	—	—	—	—	—	—	—	—	—
YCAS0118	-4 GRN	-4 RED	-4 RED	-4 GRN	-4 RED	-4 BLK	—	—	—	—	—	—	—	—	—	—
YCAS0128	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	—	—	—	—	—	—	—	—
YCAS0138	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	—	—	—	—	—	—	—	—
YCAS0148	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	—	—	—	—	—	—	—	—
YCAS0158	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	—	—	—	—	—	—	—	—
YCAS0178	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	—	—	—	—	—	—	—	—
YCAS0198	-4 RED	-4 RED	-4 RED	-4 GRN	-4 RED	-4 RED	-4 GRN	-4 GRN	—	—	—	—	—	—	—	—
YCAS0208	-4 RED	-4 RED	-4 RED	-4 GRN	-4 RED	-4 RED	-4 GRN	-4 GRN	—	—	—	—	—	—	—	—
YCAS0218	-4 RED	-4 GRN	-4 GRN	-4 RED	-4 RED	-4 RED	-4 RED	-4 GRN	-4 GRN	-4 RED	-4 GRN	-4 RED	—	—	—	—
YCAS0248	-4 RED	-4 GRN	-4 GRN	-4 RED	-4 RED	-4 RED	-4 RED	-4 GRN	-4 GRN	-4 RED	-4 GRN	-4 RED	—	—	—	—
YCAS0268	-4 RED	-4 GRN	-4 GRN	-4 RED	-4 RED	-4 RED	-4 RED	-4 GRN	-4 GRN	-4 RED	-4 GRN	-4 RED	—	—	—	—
YCAS0288	-4 RED	-4 RED	-4 GRN	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 GRN	-4 RED	-4 GRN	-4 GRN	—	—	—	—
YCAS0308	-4 RED	-4 RED	-4 GRN	-4 RED	-4 RED	-4 RED	-4 RED	-4 RED	-4 GRN	-4 RED	-4 GRN	-4 GRN	—	—	—	—
YCAS0328	-4 RED	-4 RED	-4 GRN	-4 RED	-4 RED	-4 BLK	-4 BLK	-3 GRAY	-4 RED	-4 RED	-4 GRN	-4 RED	-4 RED	-4 RED	-4 BLK	-3 GRAY
YCAS0358	-4 RED	-4 RED	-4 GRN	-4 RED	-4 GRN	-4 RED	-4 RED	-4 GRN	-4 RED	-4 RED	-4 GRN	-4 RED	-4 GRN	-4 RED	-4 RED	-4 GRN
YCAS0398	-4 RED	-4 RED	-4 GRN	-4 RED	-4 GRN	-4 RED	-4 RED	-4 GRN	-4 RED	-4 RED	-4 GRN	-4 RED	-4 GRN	-4 RED	-4 RED	-4 GRN
YCAS0418	-4 RED	-4 RED	-4 GRN	-4 RED	-4 GRN	-4 RED	-4 RED	-4 GRN	-4 RED	-4 RED	-4 GRN	-4 RED	-4 GRN	-4 RED	-4 RED	-4 GRN

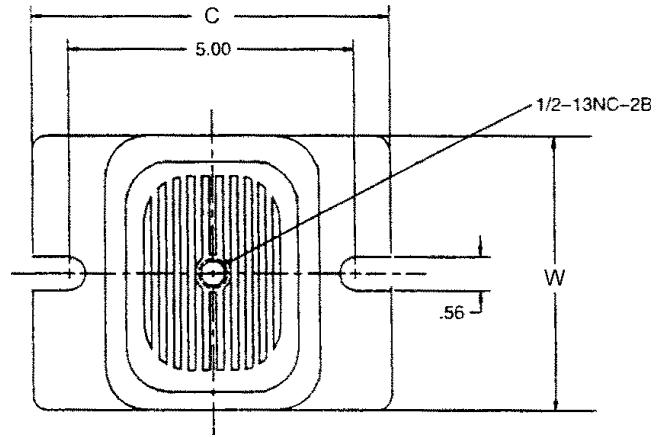
This page intentionally left blank.

Isolator Details

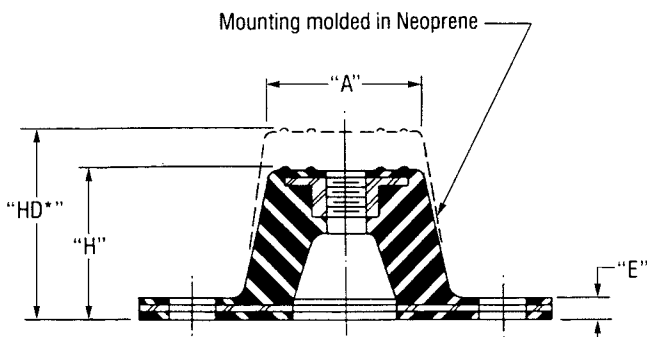
NEOPRENE ISOLATOR DETAILS



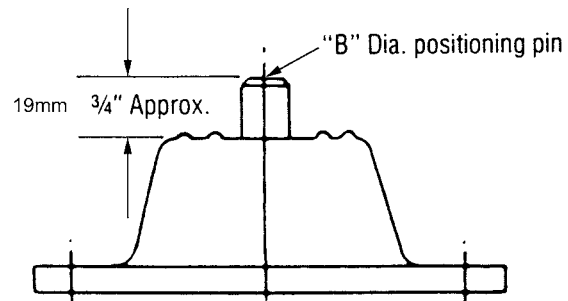
LD04033



LD04805



LD04034



LD04035

TABLE 1 – DIMENSIONS: Inches (mm)

TYPE	L	W	H	* HD	A	B	C	D	E
R-3 or RD-3	5.5"	3.375"	1.75"	2.875"	2.5"	0.5"	4.125"	0.563"	0.25"
	(139.7)	(85.8)	(44.4)	(73.2)	(63.5)	(12.7)	(104.8)	(14.4)	(6.3)
R-4 or RD-4	6.25"	4.625"	1.625"	2.75"	3.0"	0.5"	5.0"	0.563"	0.375"
	(158.7)	(117.6)	(41.4)	(69.8)	(76.2)	(12.7)	(127.0)	(14.4)	(9.6)

* HD Dimension applies to double deflection Type RD mountings only.

1" ISOLATOR DETAILS

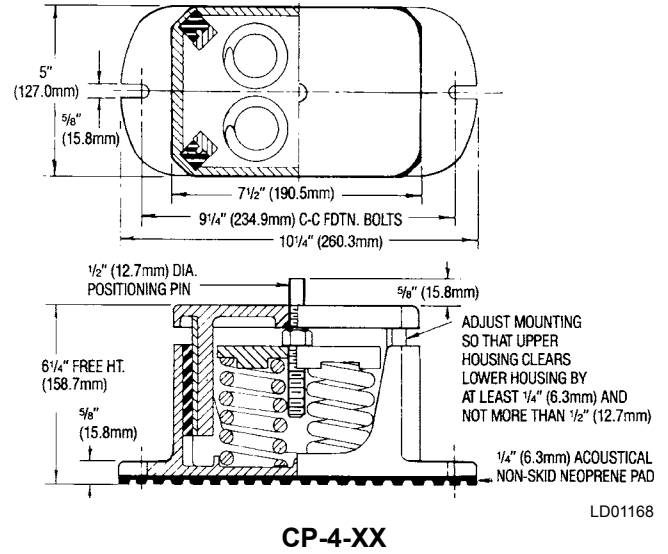
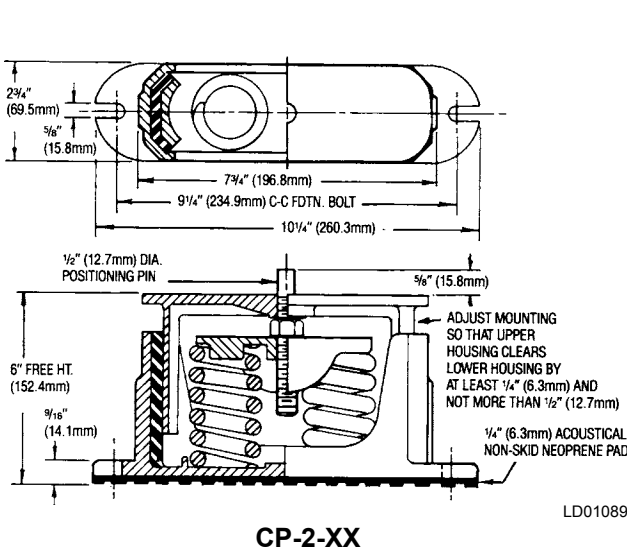


TABLE 2 – SEISMIC ISOLATORS

TYPE & SIZE	MAX LOAD		DEFL.	
	lbs.	kg	in.	mm
AWMR-1-530	1150	453.6	2	51
AWMR-1-531	1276	521.6	2	51
AWMR-1-532	1500	680.4	2	51
AWMR-1-551	1676	760.2	2	51
AWMR-1-552	1900	861.8	2	51
AWMR-1-553	2200	997.9	2	51
AWMR-1-531	2552	1157.6	2	51

SEISMIC ISOLATOR DETAILS

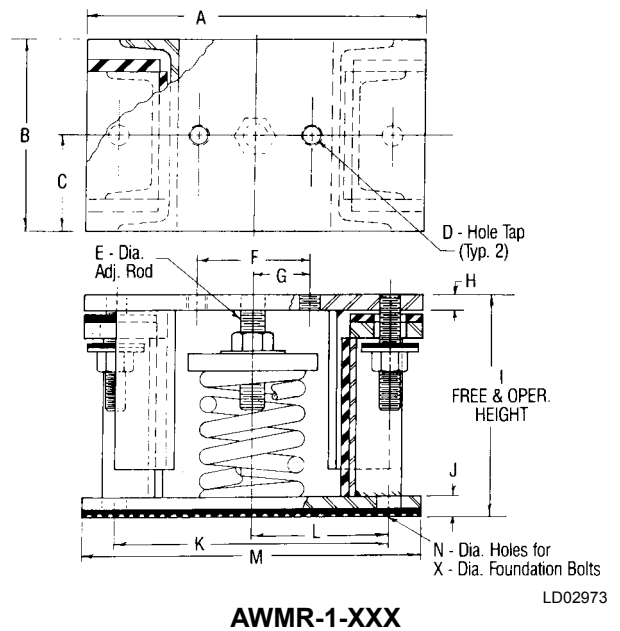


TABLE 3 – 1" SPRING ISOLATORS

TYPE & SIZE	MAX LOAD		DEFL.		SPRING COLOR
	lbs.	kg	in.	mm	
CP-2-26	1200	408.2	1.22	30.7	Red
CP-2-27	1500	680.4	1.06	26.9	Orange
CP-2-28	1800	816.4	1.02	25.9	Green
CP-2-31	2200	997.9	0.83	21.0	Gray
CP-2-32	2600	1179.3	0.74	18.7	White

TABLE 4 – DIMENSIONS: Inches

	A	B	C	D	E	F	G	H	I	J	K	L	M	N/X
AWMR-1 50-553	10-1/2	6	3	5/8 11NC	3/4	3-1/2	1-3/4	1/2	9	5/8	8-1/2	4-1/4	10-1/2	3/4 5/8

TABLE 4A – DIMENSIONS: MM

	A	B	C	D	E	F	G	H	I	J	K	L	M	N/X
AWMR-1 50-553	267	152	76	16 11NC	19	89	44	13	229	16	216	108	267	19 16

Electrical Data

MULTIPLE POINT POWER SUPPLY CONNECTION - 2 COMPRESSOR UNITS (SEE FIG. 1)

(Two Field Provided Power Supply Circuits To The Chiller. Field Connections to Factory Provided Terminal Block (Std), Disconnects (Opt), or Individual System Circuit Breakers (Opt) in each of the two Motor Control Centers.)

MODEL YCAS	VOLTS	SYSTEM #1 FIELD-SUPPLIED WIRING													
		FIELD PROVIDED POWER SUPPLY			OVER-CURRENT PROTECTION			FACTORY PROVIDED (LUGS) WIRE RANGE ⁷			COMPRESSOR #1			FANS ^{11, 12}	
		MCA ¹	MIN NF DISC SW ^{2, 9}		MIN. ^{3, 5}	MAX. ^{4, 6}	STD. TERMINAL BLOCK	OPT. NF. DISC SW.	OPT. C.B.	RLA	Y-D-LRA	XL-LRA	QTY	FLA (EA.)	LRA (EA.)
0098EB	200	235	250	300	400	1/0 - 300	#6 - 350	(2) 3/0 - 250	168	404	1257	3	8.2	33.0	
	230	206	200	250	350	1/0 - 300	#4 - 300	#6 - 350	146	354	1103	3	7.8	38.0	
	380	125	150	150	200	# 2 - 1/0 *	#4 - 300	#4 - 300	89	219	681	3	4.8	23.0	
	460	103	100	125	150	# 6 - 1/0	#14 - 1/0	#4 - 300	73	174	542	3	4.0	19.0	
	575	83	100	100	125	# 6 - 1/0	#14 - 1/0	#14 - 1/0	59	138	431	3	3.1	15.2	
0118EB	200	344	400	400	500	2/0 - 500	(2) 3/0 - 250	(2) 3/0 - 250	255	591	1866	3	8.2	33.0	
	230	301	400	350	500	2/0 - 500	(2) 3/0 - 250	(2) 3/0 - 250	222	481	1518	3	7.8	38.0	
	380	182	200	225	300	# 2 - 4/0	#4 - 300	#4 - 300	134	285	900	3	4.8	23.0	
	460	151	150	200	250	# 2 - 4/0	#4 - 300	#4 - 300	111	228	719	3	4.0	19.0	
	575	121	150	150	200	# 6 - 1/0	#4 - 300	#4 - 300	90	182	574	3	3.1	15.2	
0128EB	200	324	400	400	500	2/0 - 500	(2) 3/0 - 250	(2) 3/0 - 250	233	591	1866	4	8.2	33.0	
	230	284	400	350	450	2/0 - 500	(2) 3/0 - 250	(2) 3/0 - 250	203	481	1518	4	7.8	38.0	
	380	172	200	250	250	# 2 - 4/0	#4 - 300	#4 - 300	122	285	900	4	4.8	23.0	
	460	143	150	175	225	# 2 - 4/0	#4 - 300	#4 - 300	101	228	719	4	4.0	19.0	
	575	113	150	150	175	# 6 - 1/0	#4 - 300	#4 - 300	81	182	574	4	3.1	15.2	
0138EB	200	323	400	400	500	2/0 - 500	(2) 3/0 - 250	(2) 3/0 - 250	232	591	1866	4	8.2	33.0	
	230	284	400	350	450	2/0 - 500	(2) 3/0 - 250	(2) 3/0 - 250	202	481	1518	4	7.8	38.0	
	380	172	200	225	250	# 2 - 4/0	#4 - 300	#4 - 300	122	285	900	4	4.8	23.0	
	460	142	150	175	225	# 2 - 4/0	#4 - 300	#4 - 300	101	228	719	4	4.0	19.0	
	575	113	150	150	175	# 6 - 1/0	#4 - 300	#4 - 300	81	182	574	4	3.1	15.2	
0148EB	200	324	400	400	500	2/0 - 500	(2) 3/0 - 250	(2) 3/0 - 250	233	591	1866	4	8.2	33.0	
	230	284	400	350	450	2/0 - 500	(2) 3/0 - 250	(2) 3/0 - 250	203	481	1518	4	7.8	38.0	
	380	172	200	225	250	# 2 - 4/0	#4 - 300	#4 - 300	122	285	900	4	4.8	23.0	
	460	143	150	175	225	# 2 - 4/0	#4 - 300	#4 - 300	101	228	719	4	4.0	19.0	
	575	113	150	150	175	# 6 - 1/0	#4 - 300	#4 - 300	81	182	574	4	3.1	15.2	
0158EB	200	433	600	600	700	(2) 1/0 - 300	(3) 2/0 - 400	(3) 2/0 - 400	320	708	2256	4	8.2	33.0	
	230	379	400	450	600	(2) # 2-4/0	(2) 3/0 - 250	(3) 2/0 - 400	278	642	2045	4	7.8	38.0	
	380	230	250	300	350	1/0 - 300	#6 - 350	(2) 3/0 - 250	168	343	1093	4	4.8	23.0	
	460	190	200	225	300	# 2 - 4/0	#4 - 300	#4 - 300	140	280	893	4	4.0	19.0	
	575	151	150	200	250	# 2 - 4/0	#4 - 300	#6 - 350	111	224	714	4	3.1	15.2	
0178EB	200	433	600	600	700	(2) 1/0 - 300	(3) 2/0 - 400	(3) 2/0 - 400	320	708	2256	4	8.2	33.0	
	230	378	400	450	600	(2) 1/0 - 300	(2) 3/0 - 250	(3) 2/0 - 400	278	642	2045	4	7.8	38.0	
	380	230	250	300	350	1/0 - 300	#6 - 350	(2) 3/0 - 250	169	343	1093	4	4.8	23.0	
	460	191	200	225	300	# 2 - 4/0	#4 - 300	#4 - 300	140	280	893	4	4.0	19.0	
	575	151	150	200	250	# 2 - 4/0	#4 - 300	#6 - 350	111	224	714	4	3.1	15.2	
0198EB	200	510	600	600	800	(2) 2/0 - 500	(3) 2/0 - 400	(3) 2/0 - 400	375	708	2256	5	8.2	33.0	
	230	447	600	600	700	(2) 1/0 - 300	(3) 2/0 - 400	(3) 2/0 - 400	327	642	2045	5	7.8	38.0	
	380	271	400	350	450	2/0 - 500	(2) 3/0 - 250	(2) 3/0 - 250	198	343	1093	5	4.8	23.0	
	460	225	250	300	350	1/0 - 300	#6 - 350	(2) 3/0 - 250	164	280	893	5	4.0	19.0	
	575	179	200	225	300	# 2 - 4/0	#6 - 350	#6 - 350	131	224	714	5	3.1	15.2	
0208EB	200	510	600	700	800	(2) 2/0 - 500	(3) 2/0 - 400	(3) 2/0 - 400	376	708	2256	5	8.2	33.0	
	230	447	600	600	700	(2) 1/0 - 300	(3) 2/0 - 400	(3) 2/0 - 400	326	642	2045	5	7.8	38.0	
	380	271	250	350	450	2/0 - 500	#6 - 350	(2) 3/0 - 250	198	343	1093	5	4.8	23.0	
	460	225	250	300	350	1/0 - 300	#6 - 350	(2) 3/0 - 250	164	280	893	5	4.0	19.0	
	575	179	200	225	300	# 2 - 4/0	#6 - 350	#6 - 350	131	224	714	5	3.1	15.2	

See page 105 for Electrical Data footnotes.

MODEL YCAS	VOLTS	SYSTEM #2 FIELD-SUPPLIED WIRING												
		FIELD PROVIDED POWER SUPPLY				FACTORY PROVIDED (LUGS) WIRE RANGE ⁷				COMPRESSOR #2			FANS ^{11, 12}	
		MCA ¹	MIN NF DISC SW ⁹	OVER-CURRENT PROTECTION		STD. TERMINAL BLOCK	OPT. NF. DISC SW.	OPT. C.B.	RLA	Y-D-LRA	XL-LRA	QTY	FLA (EA.)	LRA (EA.)
				MIN. ^{3, 5}	MAX. ^{4, 6}									
0098EB	200	235	250	300	400	1/0 - 300	#6 - 350	(2) 3/0 - 250	168	404	1257	3	8.2	33.0
	230	206	200	250	350	1/0 - 300	#4 - 300	#6 - 350	146	354	1103	3	7.8	38.0
	380	125	150	150	200	# 2 - 1/0 *	#4 - 300	#4 - 300	89	219	681	3	4.8	23.0
	460	103	100	125	150	# 6 - 1/0	#14 - 1/0	#4 - 300	73	174	542	3	4.0	19.0
	575	83	100	100	125	# 6 - 1/0	#14 - 1/0	#14 - 1/0	59	138	431	3	3.1	15.2
0118EB	200	234	250	300	400	1/0 - 300	#4 - 300	(2) 3/0 - 250	168	404	1257	3	8.2	33.0
	230	206	200	250	350	1/0 - 300	#4 - 300	#6 - 350	146	354	1103	3	7.8	38.0
	380	125	150	150	200	# 6 - 1/0	#4 - 300	#4 - 300	88	219	681	3	4.8	23.0
	460	103	100	125	150	# 6 - 1/0	#4 - 300	#4 - 300	73	174	542	3	4.0	19.0
	575	83	100	100	125	# 6 - 1/0	#14 - 1/0	#14 - 1/0	59	138	431	3	3.1	15.2
0128EB	200	232	250	300	350	1/0 - 300	#4 - 300	(2) 3/0 - 250	159	404	1257	4	8.2	33.0
	230	205	200	250	300	1/0 - 300	#4 - 300	#6 - 350	139	354	1103	4	7.8	38.0
	380	124	150	150	200	# 6 - 1/0	#4 - 300	#4 - 300	84	219	681	4	4.8	23.0
	460	102	100	125	150	# 6 - 1/0	#4 - 300	#4 - 300	69	174	542	4	4.0	19.0
	575	82	100	100	125	# 6 - 1/0	#14 - 1/0	#14 - 1/0	56	138	431	4	3.1	15.2
0138EB	200	323	400	400	500	2/0 - 500	(2) 3/0 - 250	(2) 3/0 - 250	232	591	1866	4	8.2	33.0
	230	284	400	350	450	2/0 - 500	(2) 3/0 - 250	(2) 3/0 - 250	202	481	1518	4	7.8	38.0
	380	172	200	225	250	# 2 - 4/0	#4 - 300	#4 - 300	122	285	900	4	4.8	23.0
	460	142	150	175	225	# 2 - 4/0	#4 - 300	#4 - 300	101	228	719	4	4.0	19.0
	575	113	150	150	175	# 6 - 1/0	#4 - 300	#4 - 300	81	182	574	4	3.1	15.2
0148EB	200	324	400	400	500	2/0 - 500	(2) 3/0 - 250	(2) 3/0 - 250	233	591	1866	4	8.2	33.0
	230	284	400	350	450	2/0 - 500	(2) 3/0 - 250	(2) 3/0 - 250	203	481	1518	4	7.8	38.0
	380	172	200	225	250	# 2 - 4/0	#4 - 300	#4 - 300	122	285	900	4	4.8	23.0
	460	143	150	175	225	# 2 - 4/0	#4 - 300	#4 - 300	101	228	719	4	4.0	19.0
	575	113	150	150	175	# 6 - 1/0	#4 - 300	#4 - 300	81	182	574	4	3.1	15.2
0158EB	200	324	400	400	500	2/0 - 500	(2) 3/0 - 250	(2) 3/0 - 250	233	591	1866	4	8.2	33.0
	230	284	400	350	450	2/0 - 500	(2) 3/0 - 250	(2) 3/0 - 250	203	481	1518	4	7.8	38.0
	380	172	200	225	250	# 2 - 4/0	#6 - 350	#4 - 300	122	285	900	4	4.8	23.0
	460	143	150	175	225	# 2 - 4/0	#4 - 300	#4 - 300	101	228	719	4	4.0	19.0
	575	114	150	150	175	# 6 - 1/0	#4 - 300	#4 - 300	81	182	574	4	3.1	15.2
0178EB	200	433	600	600	700	(2) 1/0 - 300	(3) 2/0 - 400	(3) 2/0 - 400	320	708	2256	4	8.2	33.0
	230	378	400	450	600	(2) 1/0 - 300	(2) 3/0 - 250	(3) 2/0 - 400	278	642	2045	4	7.8	38.0
	380	230	250	300	350	1/0 - 300	#6 - 350	(2) 3/0 - 250	169	343	1093	4	4.8	23.0
	460	191	200	225	300	# 2 - 4/0	#4 - 300	#4 - 300	140	280	893	4	4.0	19.0
	575	151	150	200	250	# 2 - 4/0	#4 - 300	#6 - 350	111	224	714	4	3.1	15.2
0198EB	200	412	400	500	700	(2) 2/0 - 300	(2) 3/0 - 250	(3) 2/0 - 400	297	708	2256	5	8.2	33.0
	230	361	400	450	600	(2) # 2 - 4/0	(2) 3/0 - 250	(3) 2/0 - 400	258	642	2045	5	7.8	38.0
	380	219	250	300	350	1/0 - 300	(2) 3/0 - 500	(2) 3/0 - 250	156	343	1093	5	4.8	23.0
	460	182	200	225	300	# 2 - 4/0	#6 - 350	#4 - 300	129	280	893	5	4.0	19.0
	575	144	150	175	225	# 2 - 4/0	#6 - 350	#6 - 350	103	224	714	5	3.1	15.2
0208EB	200	510	600	700	800	(2) 2/0 - 500	(3) 2/0 - 400	(3) 2/0 - 400	376	708	2256	5	8.2	33.0
	230	447	600	600	700	(2) 1/0 - 300	(3) 2/0 - 400	(3) 2/0 - 400	326	642	2045	5	7.8	38.0
	380	271	250	350	450	2/0 - 500	#6 - 350	(2) 3/0 - 250	198	343	1093	5	4.8	23.0
	460	225	250	300	350	1/0 - 300	#6 - 350	(2) 3/0 - 250	164	280	893	5	4.0	19.0
	575	179	200	225	300	# 2 - 4/0	#6 - 350	#6 - 350	131	224	714	5	3.1	15.2

Electrical Data

MULTIPLE POINT POWER SUPPLY CONNECTION -3 & 4 COMPRESSOR UNITS (SEE FIG. 5 or 6)

(Two Field Provided Power Supply Circuits To The Chiller. Field Connections to Factory Provided Terminal Block (Std) or Disconnects (Opt) in the Options Panel. Factory-wired Terminal Blocks or Individual System Circuit Breakers (Opt¹⁰) in each of the two Motor Control Centers.)

MODEL YCAS	VOLTS	SYSTEM #1 FIELD-SUPPLIED WIRING															
		FIELD PROVIDED POWER SUPPLY			FACTORY PROVIDED (LUGS) WIRE RANGE ⁷				COMPRESSOR #1			COMPRESSOR #3			FANS ^{11, 12}		
		MCA ¹	MIN NF DISC SW ^{2, 9}	OVER-CURRENT PROTECTION		STD. TERMINAL BLOCK	OPT. NF. DISC SW.	RLA	Y-D-LRA	XL-LRA	RLA	Y-D-LRA	XL-LRA	QTY	FLA (EA.)	LRA (EA.)	
MIN. ^{3, 5}	MAX. ^{4, 6}																
0218EB	380	326	400	350	400	2/0 - 500	(2) 3/0 - 250	121	285	900	121	285	900	8	5.1	21.0	
	460	278	400	300	350	2/0 - 500	(2) 3/0 - 250	100	228	719	100	228	719	8	5.2	29.0	
	575	220	250	250	250	2/0 - 500	#6 - 350	80	182	574	80	182	574	8	3.9	25.9	
0248EB	380	441	600	500	600	(2) 1/0 - 300	(2) 250-500	121	285	900	213	343	1093	8	5.1	21.0	
	460	373	400	450	500	2/0 - 500	(2) 3/0 - 250	100	228	719	176	280	893	8	5.2	29.0	
	575	296	400	350	400	2/0 - 500	(2) 3/0 - 250	80	182	574	141	224	714	8	3.9	25.9	
0268EB	380	426	600	500	500	(2) 1/0 - 300	(2) 250-500	165	343	1093	165	343	1093	8	5.1	21.0	
	460	361	400	400	450	2/0 - 500	(2) 3/0 - 250	137	280	893	137	280	893	8	5.2	29.0	
	575	285	400	350	350	2/0 - 500	(2) 3/0 - 250	109	224	714	109	224	714	8	3.9	25.9	
0288EB	380	485	600	600	600	(2) 1/0 - 300	(2) 250-500	212	343	1093	166	343	1093	8	5.1	21.0	
	460	410	600	450	500	2/0 - 500	(2) 250-500	176	280	893	137	280	893	8	5.2	29.0	
	575	325	400	400	400	2/0 - 500	(2) 3/0 - 250	141	224	714	109	224	714	8	3.9	25.9	
0308EB	380	473	600	600	600	(2) 1/0 - 300	(2) 250-500	195	343	1093	166	343	1093	9	5.1	21.0	
	460	402	600	450	500	2/0 - 500	(2) 3/0 - 250	161	280	893	137	280	893	9	5.2	29.0	
	575	318	400	350	400	2/0 - 500	(2) 3/0 - 250	129	224	714	109	224	714	9	3.9	25.9	
0328EB	380	492	600	600	600	(2) 1/0 - 300	(2) 250-500	195	343	1093	184	343	1093	11	5.1	21.0	
	460	417	600	450	500	(2) 1/0 - 300	(2) 250-500	161	280	893	152	280	893	11	5.2	29.0	
	575	330	400	400	450	2/0 - 500	(2) 3/0 - 250	129	224	714	122	224	714	11	3.9	25.9	
0358EB	380	427	600	500	500	(2) 1/0 - 300	(2) 250-500	166	343	1093	166	343	1093	8	5.1	21.0	
	460	363	400	400	450	2/0 - 500	(2) 3/0 - 250	138	280	893	138	280	893	8	5.2	29.0	
	575	285	400	350	350	2/0 - 500	(2) 3/0 - 250	109	224	714	109	224	714	8	3.9	25.9	
0398EB	380	473	600	600	600	(2) 1/0 - 300	(2) 250-500	194	343	1093	166	343	1093	9	5.1	21.0	
	460	403	600	450	500	2/0 - 500	(2) 3/0 - 250	162	280	893	138	280	893	9	5.2	29.0	
	575	318	400	350	400	2/0 - 500	(2) 3/0 - 250	129	224	714	109	224	714	9	3.9	25.9	
0418EB	380	526	600	600	700	(2) 2/0 - 500	(2) 250-500	196	343	1093	213	343	1093	9	5.1	21.0	
	460	444	600	500	600	(2) 1/0 - 300	(2) 250-500	162	280	893	176	280	893	9	5.2	29.0	
	575	353	400	400	450	2/0 - 500	(2) 3/0 - 250	129	224	714	141	224	714	9	3.9	25.9	

See page 105 for Electrical Data footnotes.

MODEL YCAS	VOLTS	SYSTEM #2 FIELD-SUPPLIED WIRING															
		FIELD PROVIDED POWER SUPPLY					FACTORY PROVIDED (LUGS) WIRE RANGE ⁷		COMPRESSOR #2			COMPRESSOR #4			FANS ^{11, 12}		
		MCA ¹	MIN NF DISC SW ^{2, 9}	OVER-CURRENT PROTECTION		STD. TERMINAL BLOCK	OPT. NF. DISC SW.	RLA	Y-D-LRA	XL-LRA	RLA	Y-D-LRA	XL-LRA	QTY	FLA (EA.)	LRA (EA.)	
				MIN. ^{3, 5}	MAX. ^{4, 6}												
0218EB	380	171	200	225	250	# 2 - 4/0	#4 - 300	121	285	900	—	—	—	4	5.1	21.0	
	460	146	150	175	225	# 2 - 4/0	# 2 - 4/0	100	228	719	—	—	—	4	5.2	29.0	
	575	115	150	150	175	# 2 - 4/0	# 2 - 4/0	80	182	574	—	—	—	4	3.9	25.9	
0248EB	380	171	200	225	250	1/0 - 300	#6 - 350	121	285	900	—	—	—	4	5.1	21.0	
	460	146	150	175	225	# 2 - 4/0	# 2 - 4/0	100	228	719	—	—	—	4	5.2	29.0	
	575	115	150	150	175	# 2 - 4/0	# 2 - 4/0	80	182	574	—	—	—	4	3.9	25.9	
0268EB	380	227	250	300	350	1/0 - 300	#6 - 350	165	343	1093	—	—	—	4	5.1	21.0	
	460	192	200	250	300	# 2 - 4/0	#4 - 300	137	280	893	—	—	—	4	5.2	29.0	
	575	152	150	200	250	# 2 - 4/0	# 2 - 4/0	109	224	714	—	—	—	4	3.9	25.9	
0288EB	380	227	250	300	350	1/0 - 300	#6 - 350	166	343	1093	—	—	—	4	5.1	21.0	
	460	193	200	250	300	# 2 - 4/0	#4 - 300	137	280	893	—	—	—	4	5.2	29.0	
	575	152	150	200	250	# 2 - 4/0	# 2 - 4/0	109	224	714	—	—	—	4	3.9	25.9	
0308EB	380	264	400	350	450	2/0 - 500	(2) 3/0 - 250	195	343	1093	—	—	—	5	5.1	21.0	
	460	222	250	300	350	1/0 - 300	#4 - 300	161	280	893	—	—	—	5	5.2	29.0	
	575	177	200	225	300	# 2 - 4/0	#6 - 350	129	224	714	—	—	—	5	3.9	25.9	
0328EB	380	264	400	350	450	2/0 - 500	(2) 3/0 - 250	195	343	1093	—	—	—	5	5.1	21.0	
	460	222	250	300	350	1/0 - 300	#4 - 300	161	280	893	—	—	—	5	5.2	29.0	
	575	177	200	225	300	# 2 - 4/0	#6 - 350	129	224	714	—	—	—	5	3.9	25.9	
0358EB	380	414	600	500	500	(2) 1/0 - 300	(2) 250-500	166	343	1093	166	343	1,093	8	5.1	21.0	
	460	352	400	400	450	2/0 - 500	(2) 3/0 - 250	138	280	893	138	280	893	8	5.2	29.0	
	575	277	400	350	350	2/0 - 500	(2) 3/0 - 250	109	224	714	109	224	714	8	3.9	25.9	
0398EB	380	460	600	600	600	(2) 1/0 - 300	(2) 250-500	194	343	1093	166	343	1,093	9	5.1	21.0	
	460	392	600	450	500	2/0 - 500	(2) 3/0 - 250	162	280	893	138	280	893	9	5.2	29.0	
	575	309	400	350	400	2/0 - 500	(2) 3/0 - 250	129	224	714	109	224	714	9	3.9	25.9	
0418EB	380	513	600	600	700	(2) 2/0 - 500	(2) 250-500	196	343	1093	213	343	1,093	9	5.1	21.0	
	460	434	600	500	600	(2) 1/0 - 300	(2) 250-500	162	280	893	176	280	893	9	5.2	29.0	
	575	344	400	400	450	2/0 - 500	(2) 3/0 - 250	129	224	714	141	224	714	9	3.9	25.9	

Electrical Data (continued)

OPTIONAL SINGLE-POINT POWER SUPPLY WITH INDIVIDUAL SYSTEM CIRCUIT BREAKERS – 2 COMPRESSOR UNITS (SEE FIG. 2)

(One Field Provided Power Supply Circuit to the chiller. Field connections to Factory Provided Terminal Block (standard) or Non-Fused Disconnect (option) in 'Option Panel'. Individual System Circuit Breakers in each Motor Control Center¹⁰)

CHILLER MODEL YCAS	VOLTS	FIELD-SUPPLIED WIRING					
		FIELD PROVIDED POWER SUPPLY				FACTORY PROVIDED (LUGS) WIRE RANGE ⁷	
		MCA ¹	MIN NF DISC SW ^{2, 9}	OVER-CURRENT PROTECTION ¹³		STANDARD TERMINAL BLOCK	OPTIONAL NF DISC. SWITCH
MIN. ^{3, 5}	MAX. ^{4, 6}						
0098EB	200	427	600	500	500	(2) 1/0 - 300	(2) 250 - 500
	230	376	400	450	500	(2) # 2 - 4/0	(2) 3/0 - 250
	380	228	250	250	300	1/0 - 300	# 6 - 350
	460	188	200	225	250	# 2 - 4/0	# 6 - 350
	575	151	200	175	200	1/0 - 300	# 6 - 350
0118EB	200	536	600	700	800	(2) 2/0 - 500	(2) 250 - 500
	230	471	600	600	700	(2) 1/0 - 300	(2) 250 - 500
	380	285	400	350	400	2/0 - 500	(2) 3/0 - 250
	460	236	250	300	350	1/0 - 300	# 6 - 350
	575	189	200	225	250	1/0 - 300	# 6 - 350
0128EB	200	516	600	600	700	(2) 2/0 - 500	(2) 250 - 500
	230	454	600	600	600	(2) 1/0 - 300	(2) 250 - 500
	380	275	400	350	350	2/0 - 500	(2) 3/0 - 250
	460	228	250	300	300	1/0 - 300	# 6 - 350
	575	182	200	225	250	1/0 - 300	# 6 - 350
0138EB	200	589	800	700	800	(2) 2/0 - 500	(3) 2/0 - 400
	230	517	600	600	700	(2) 2/0 - 500	(2) 250 - 500
	380	313	400	350	400	2/0 - 500	(2) 3/0 - 250
	460	259	400	300	350	2/0 - 500	(2) 3/0 - 250
	575	206	250	250	250	1/0 - 300	# 6 - 350
0148EB	200	590	800	700	800	(2) 2/0 - 500	(3) 2/0 - 400
	230	518	600	600	700	(2) 2/0 - 500	(2) 250 - 500
	380	313	400	350	400	2/0 - 500	(2) 3/0 - 250
	460	260	400	300	350	2/0 - 500	(2) 3/0 - 250
	575	207	250	225	250	1/0 - 300	# 6 - 350
0158EB	200	699	800	800	1000	(3) 1/0 - 300	(3) 2/0 - 400
	230	613	800	700	800	(2) 2/0 - 500	(3) 2/0 - 400
	380	371	400	450	500	(2) # 2 - 4/0	(2) 3/0 - 250
	460	308	400	350	400	2/0 - 500	(2) 3/0 - 250
	575	244	250	300	350	2/0 - 500	# 6 - 350
0178EB	200	786	1000	1000	1000	(3) 2/0 - 500	(4) 250 - 500
	230	688	800	800	800	(3) 1/0 - 300	(3) 2/0 - 400
	380	418	600	500	500	(2) 1/0 - 300	(2) 250 - 500
	460	347	400	400	450	(2) # 2 - 4/0	(2) 3/0 - 250
	575	275	400	350	350	2/0 - 500	(2) 3/0 - 250
0198EB	200	848	1000	1000	1200	(3) 2/0 - 500	(4) 250 - 500
	230	744	800	1000	1000	(3) 1/0 - 300	(3) 2/0 - 400
	380	451	600	600	600	(2) 1/0 - 300	(2) 250 - 500
	460	374	400	450	500	(2) # 2 - 4/0	(2) 3/0 - 250
	575	297	400	350	400	2/0 - 500	(2) 3/0 - 250
0208EB	200	927	1000	1200	1200	(3) 2/0 - 500	(4) 250 - 500
	230	812	1000	1000	1200	(3) 2/0 - 500	(4) 250 - 500
	380	493	600	600	600	(2) 1/0 - 300	(2) 250 - 500
	460	408	600	500	500	(2) 1/0 - 300	(2) 250 - 500
	575	325	400	400	400	2/0 - 500	(2) 3/0 - 250

See page 105 for Electrical Data footnotes.

MODEL YCAS	VOLTS	SYSTEM #1						SYSTEM #2					
		COMPRESSOR #1			FAN DATA ^{11, 12}			COMPRESSOR #2			FAN DATA ^{11, 12}		
		RLA	Y-D-LRA	XL-LRA	QTY	FLA (EA.)	LRA (EA)	RLA	Y-D-LRA	XL-LRA	QTY	FLA (EA)	LRA (EA)
0098EB	200	168	404	1257	3	8.2	33.0	168	404	1257	3	8.2	33.0
	230	146	354	1103	3	7.8	38.0	146	354	1103	3	7.8	38.0
	380	89	219	681	3	4.8	23.0	89	219	681	3	4.8	23.0
	460	73	174	542	3	4.0	19.0	73	174	542	3	4.0	19.0
	575	59	138	431	3	3.1	15.2	59	138	431	3	3.1	15.2
0118EB	200	255	591	1866	3	8.2	33.0	168	404	1257	3	8.2	33.0
	230	222	481	1518	3	7.8	38.0	146	354	1103	3	7.8	38.0
	380	134	285	900	3	4.8	23.0	88	219	681	3	4.8	23.0
	460	111	228	719	3	4.0	19.0	73	174	542	3	4.0	19.0
0128EB	575	90	182	574	3	3.1	15.2	59	138	431	3	3.1	15.2
	200	233	591	1866	4	8.2	33.0	159	404	1257	4	8.2	33.0
	230	203	481	1518	4	7.8	38.0	139	354	1103	4	7.8	38.0
	380	122	285	900	4	4.8	23.0	84	219	681	4	4.8	23.0
	460	101	228	719	4	4.0	19.0	69	174	542	4	4.0	19.0
0138EB	575	81	182	574	4	3.1	15.2	56	138	431	4	3.1	15.2
	200	232	591	1866	4	8.2	33.0	232	591	1866	4	8.2	33.0
	230	202	481	1518	4	7.8	38.0	202	481	1518	4	7.8	38.0
	380	122	285	900	4	4.8	23.0	122	285	900	4	4.8	23.0
	460	101	228	719	4	4.0	19.0	101	228	719	4	4.0	19.0
0148EB	575	81	182	574	4	3.1	15.2	81	182	574	4	3.1	15.2
	200	233	591	1866	4	8.2	33.0	233	591	1866	4	8.2	33.0
	230	203	481	1518	4	7.8	38.0	203	481	1518	4	7.8	38.0
	380	122	285	900	4	4.8	23.0	122	285	900	4	4.8	23.0
	460	101	228	719	4	4.0	19.0	101	228	719	4	4.0	19.0
0158EB	575	81	182	574	4	3.1	15.2	81	182	574	4	3.1	15.2
	200	320	708	2256	4	8.2	33.0	233	591	1866	4	8.2	33.0
	230	278	642	2045	4	7.8	38.0	203	481	1518	4	7.8	38.0
	380	168	343	1093	4	4.8	23.0	122	285	900	4	4.8	23.0
	460	140	280	893	4	4.0	19.0	101	228	719	4	4.0	19.0
0178EB	575	111	224	714	4	3.1	15.2	81	182	574	4	3.1	15.2
	200	320	708	2256	4	8.2	33.0	320	708	2256	4	8.2	33.0
	230	278	642	2045	4	7.8	38.0	278	642	2045	4	7.8	38.0
	380	169	343	1093	4	4.8	23.0	169	343	1093	4	4.8	23.0
	460	140	280	893	4	4.0	19.0	140	280	893	4	4.0	19.0
0198EB	575	111	224	714	4	3.1	15.2	111	224	714	4	3.1	15.2
	200	375	708	2256	5	8.2	33.0	297	708	2256	5	8.2	33.0
	230	327	642	2045	5	7.8	38.0	258	642	2045	5	7.8	38.0
	380	198	343	1093	5	4.8	23.0	156	343	1093	5	4.8	23.0
	460	164	280	893	5	4.0	19.0	129	280	893	5	4.0	19.0
0208EB	575	131	224	714	5	3.1	15.2	103	224	714	5	3.1	15.2
	200	376	708	2256	5	8.2	33.0	376	708	2256	5	8.2	33.0
	230	326	642	2045	5	7.8	38.0	326	642	2045	5	7.8	38.0
	380	198	343	1093	5	4.8	23.0	198	343	1093	5	4.8	23.0
	460	164	280	893	5	4.0	19.0	164	280	893	5	4.0	19.0
	575	131	224	714	5	3.1	15.2	131	224	714	5	3.1	15.2

Electrical Data (continued)

OPTIONAL SINGLE-POINT POWER SUPPLY CONNECTION WITH INDIVIDUAL SYSTEM CIRCUIT BREAKERS – 3 & 4 COMPRESSOR UNITS (SEE FIG. 7)

(One Field Provided Power Supply Circuit to the chiller. Field connections to Factory Provided Terminal Block (standard) or Non-Fused Disconnect (option) in Options Panel. Individual System Circuit Breakers in each Motor Control Center)

MODEL YCAS	VOLTS	SYSTEM #1 FIELD-SUPPLIED WIRING																
		FIELD PROVIDED POWER SUPPLY				FACTORY PROVIDED (LUGS) WIRE RANGE ⁷				COMPRESSOR #1			COMPRESSOR #3			FANS ^{11, 12}		
		MCA ¹	MIN NF DISC SW ^{2, 9}	OVER-CURRENT PROTECTION		STD. TERMINAL BLOCK	OPT. NF. DISC SW.	RLA	Y-D-LRA	XL-LRA	RLA	Y-D-LRA	XL-LRA	QTY	FLA (EA.)	LRA (EA.)		
				MIN. ^{3, 5}	MAX. ^{4, 6}													
0218EB	380	467	600	500	600	(2) 1/0 - 300	(2) 250-500	121	285	900	121	285	900	8	5.1	21.0		
	460	399	600	450	500	(2) 1/0 - 300	(2) 250-500	100	228	719	100	228	719	8	5.2	29.0		
	575	315	400	350	400	(2) # 2 - 4/0	(2) 3/0 - 250	80	182	574	80	182	574	8	3.9	25.9		
0248EB	380	582	600	700	800	(2) 2/0 - 500	(2) 250-500	121	285	900	213	343	1093	8	5.1	21.0		
	460	493	600	600	700	(2) 1/0 - 300	(2) 250-500	100	228	719	176	280	893	8	5.2	29.0		
	575	391	600	450	600	(2) # 2 - 4/0	(2) 3/0 - 250	80	182	574	141	224	714	8	3.9	25.9		
0268EB	380	612	800	700	800	(2) 2/0 - 500	(3) 2/0 - 400	165	343	1093	165	343	1093	8	5.1	21.0		
	460	519	600	600	700	(2) 2/0 - 500	(2) 250-500	137	280	893	137	280	893	8	5.2	29.0		
	575	410	600	450	500	(2) 1/0 - 300	(2) 250-500	109	224	714	109	224	714	8	3.9	25.9		
0288EB	380	671	800	800	1000	(2) 2/0 - 500	(3) 2/0 - 400	212	343	1093	166	343	1093	8	5.1	21.0		
	460	568	600	700	800	(2) 2/0 - 500	(2) 250-500	176	280	893	137	280	893	8	5.2	29.0		
	575	450	600	500	600	(2) 1/0 - 300	(2) 250-500	141	224	714	109	224	714	8	3.9	25.9		
0308EB	380	689	800	800	1000	(3) 1/0 - 300	(3) 2/0 - 400	195	343	1093	166	343	1093	9	5.1	21.0		
	460	584	800	700	800	(2) 2/0 - 500	(3) 2/0 - 400	161	280	893	137	280	893	9	5.2	29.0		
	575	462	600	500	600	(2) 1/0 - 300	(2) 250-500	129	224	714	109	224	714	9	3.9	25.9		
0328EB	380	707	800	800	1000	(3) 1/0 - 300	(3) 2/0 - 400	195	343	1093	184	343	1093	11	5.1	21.0		
	460	599	800	700	800	(2) 2/0 - 500	(3) 2/0 - 400	161	280	893	152	280	893	11	5.2	29.0		
	575	475	600	500	600	(2) 1/0 - 300	(2) 250-500	129	224	714	122	224	714	11	3.9	25.9		
0358EB	380	799	1000	1000	1000	(3) 2/0 - 500	(4) 250-500	166	343	1093	166	343	1093	8	5.1	21.0		
	460	680	800	800	1000	(2) 2/0 - 500	(3) 2/0 - 400	138	280	893	138	280	893	8	5.2	29.0		
	575	535	600	600	700	(2) 2/0 - 500	(3) 2/0 - 400	109	224	714	109	224	714	8	3.9	25.9		
0398EB	380	884	1000	1000	1200	(3) 2/0 - 500	(4) 250-500	194	343	1093	166	343	1093	9	5.1	21.0		
	460	754	1000	800	1000	(3) 1/0 - 300	(3) 2/0 - 400	162	280	893	138	280	893	9	5.2	29.0		
	575	594	800	700	800	(2) 2/0 - 500	(3) 2/0 - 400	129	224	714	109	224	714	9	3.9	25.9		
0418EB	380	985	1000	1200	1200	(3) 2/0 - 500	(4) 250-500	196	343	1093	213	343	1093	9	5.1	21.0		
	460	834	1000	1000	1000	(3) 2/0 - 500	(4) 250-500	162	280	893	176	280	893	9	5.2	29.0		
	575	661	800	700	800	(2) 2/0 - 500	(3) 2/0 - 400	129	224	714	141	224	714	9	3.9	25.9		

See page 105 for Electrical Data footnotes.

MODEL YCAS	VOLTS	SYSTEM #2 FIELD-SUPPLIED WIRING																
		FIELD PROVIDED POWER SUPPLY				FACTORY PROVIDED (LUGS) WIRE RANGE ⁷				COMPRESSOR #2			COMPRESSOR #4			FANS ^{11, 12}		
		MCA ¹	MIN NF DISC SW ^{2, 9}	OVER-CURRENT PROTECTION		STD. TERMINAL BLOCK	OPT. NF. DISC SW.	RLA	Y-D-LRA	XL-LRA	RLA	Y-D-LRA	XL-LRA	QTY	FLA (EA.)	LRA (EA.)		
				MIN. ^{3, 5}	MAX. ^{4, 6}													
0218EB	380	467	600	500	600	(2) 1/0 - 300	(2) 250-500	121	285	900	-	-	-	4	5.1	21.0		
	460	399	600	450	500	(2) 1/0 - 300	(2) 250-500	100	228	719	-	-	-	4	5.2	29.0		
	575	315	400	350	400	(2) # 2 - 4/0	(2) 3/0 - 250	80	182	574	-	-	-	4	3.9	25.9		
0248EB	380	582	600	700	800	(2) 2/0 - 500	(2) 250-500	121	285	900	-	-	-	4	5.1	21.0		
	460	493	600	600	700	(2) 1/0 - 300	(2) 250-500	100	228	719	-	-	-	4	5.2	29.0		
	575	391	600	450	600	(2) # 2 - 4/0	(2) 3/0 - 250	80	182	574	-	-	-	4	3.9	25.9		
0268EB	380	612	800	700	800	(2) 2/0 - 500	(3) 2/0 - 400	165	343	1093	-	-	-	4	5.1	21.0		
	460	519	600	600	700	(2) 2/0 - 500	(2) 250-500	137	280	893	-	-	-	4	5.2	29.0		
	575	410	600	450	500	(2) 1/0 - 300	(2) 250-500	109	224	714	-	-	-	4	3.9	25.9		
0288EB	380	671	800	800	1000	(2) 2/0 - 500	(3) 2/0 - 400	212	343	1093	-	-	-	4	5.1	21.0		
	460	568	600	700	800	(2) 2/0 - 500	(2) 250-500	176	280	893	-	-	-	4	5.2	29.0		
	575	450	600	500	600	(2) 1/0 - 300	(2) 250-500	141	224	714	-	-	-	4	3.9	25.9		
0308EB	380	689	800	800	1000	(3) 1/0 - 300	(3) 2/0 - 400	195	343	1093	-	-	-	5	5.1	21.0		
	460	584	800	700	800	(2) 2/0 - 500	(3) 2/0 - 400	161	280	893	-	-	-	5	5.2	29.0		
	575	462	600	500	600	(2) 1/0 - 300	(2) 250-500	129	224	714	-	-	-	5	3.9	25.9		
0328EB	380	707	800	800	1000	(3) 1/0 - 300	(3) 2/0 - 400	195	343	1093	-	-	-	5	5.1	21.0		
	460	599	800	700	800	(2) 2/0 - 500	(3) 2/0 - 400	161	280	893	-	-	-	5	5.2	29.0		
	575	475	600	500	600	(2) 1/0 - 300	(2) 250-500	129	224	714	-	-	-	5	3.9	25.9		
0358EB	380	799	1000	1000	1000	(3) 2/0 - 500	(4) 250-500	166	343	1093	166	343	1093	8	5.1	21.0		
	460	680	800	800	1000	(2) 2/0 - 500	(3) 2/0 - 400	138	280	893	138	280	893	8	5.2	29.0		
	575	535	600	600	700	(2) 2/0 - 500	(3) 2/0 - 400	109	224	714	109	224	714	8	3.9	25.9		
0398EB	380	884	1000	1000	1200	(3) 2/0 - 500	(4) 250-500	194	343	1093	166	343	1093	9	5.1	21.0		
	460	754	1000	800	1000	(3) 1/0 - 300	(3) 2/0 - 400	162	280	893	138	280	893	9	5.2	29.0		
	575	594	800	700	800	(2) 2/0 - 500	(3) 2/0 - 400	129	224	714	109	224	714	9	3.9	25.9		
0418EB	380	985	1000	1200	1200	(3) 2/0 - 500	(4) 250-500	196	343	1093	213	343	1093	9	5.1	21.0		
	460	834	1000	1000	1000	(3) 2/0 - 500	(4) 250-500	162	280	893	176	280	893	9	5.2	29.0		
	575	661	800	700	800	(2) 2/0 - 500	(3) 2/0 - 400	129	224	714	141	224	714	9	3.9	25.9		

Electrical Data (continued)

SINGLE-POINT POWER SUPPLY CONNECTION – 2 COMPRESSOR UNITS (SEE FIG. 3)

(One Field Provided Power Supply Circuit to the Chiller. Field connections to Factory Provided Terminal Block (Standard) or Non-Fused Disconnect (option) in the 'Options' Panel. No Internal Branch Circuit Protection (Breakers) per Motor Control Center¹⁰)

CHILLER MODEL YCAS	VOLTS	FIELD-SUPPLIED WIRING					
		FIELD PROVIDED POWER SUPPLY				FACTORY PROVIDED (LUGS) WIRE RANGE ⁷	
		MCA ¹	MIN NF DISC SW ^{2,9}	OVER-CURRENT PROTECTION ¹³		STANDARD TERMINAL BLOCK	OPTIONAL NF DISC. SWITCH
MIN. ^{3,5}	MAX. ^{4,6}						
0098EB	380	228	250	250	300	1/0 - 300	# 6 - 350
	460	188	200	225	250	# 2 - 4/0	# 6 - 350
	575	151	200	175	200	1/0 - 300	# 6 - 350
0118EB	380	285	400	350	400	2/0 - 500	(2) 3/0 - 250
	460	236	250	300	350	1/0 - 300	# 6 - 350
	575	189	200	225	250	1/0 - 300	# 6 - 350
0128EB	380	275	400	350	350	2/0 - 500	(2) 3/0 - 250
	460	228	250	300	300	1/0 - 300	# 6 - 350
	575	182	200	225	250	1/0 - 300	# 6 - 350
0138EB	380	313	400	350	400	2/0 - 500	(2) 3/0 - 250
	460	259	400	300	350	2/0 - 500	(2) 3/0 - 250
	575	206	250	250	250	1/0 - 300	# 6 - 350
0148EB	380	313	400	350	400	2/0 - 500	(2) 3/0 - 250
	460	260	400	300	350	2/0 - 500	(2) 3/0 - 250
	575	207	250	250	250	1/0 - 300	# 6 - 350
0158EB	380	371	400	450	500	(2) # 2 - 4/0	(2) 3/0 - 250
	460	308	400	350	400	2/0 - 500	(2) 3/0 - 250
	575	244	250	300	350	2/0 - 500	# 6 - 350
0178EB	380	418	600	500	500	(2) 1/0 - 300	(2) 250 - 500
	460	347	400	400	450	(2) # 2 - 4/0	(2) 3/0 - 250
	575	275	400	350	350	2/0 - 500	(2) 3/0 - 250
0198EB	380	451	600	600	600	(2) 1/0 - 300	(2) 250 - 500
	460	374	400	450	500	(2) # 2 - 4/0	(2) 3/0 - 250
	575	297	400	350	400	2/0 - 500	(2) 3/0 - 250
0208EB	380	493	600	600	600	(2) 1/0 - 300	(2) 250 - 500
	460	408	600	500	500	(2) 1/0 - 300	(2) 250 - 500
	575	325	400	350	400	2/0 - 500	(2) 3/0 - 250

See page 105 for Electrical Data footnotes.

MODEL YCAS	VOLTS	SYSTEM #1					SYSTEM #2				
		COMPRESSOR #1		FAN DATA ^{11,12}			COMPRESSOR #2		FAN DATA ^{11,12}		
		RLA	XL-LRA	QTY	FLA (EA.)	LRA (EA)	RLA	XL-LRA	QTY	FLA (EA)	LRA (EA)
0098EB	380	89	681	3	4.8	23.0	89	681	3	4.8	23.0
	460	73	542	3	4.0	19.0	73	542	3	4.0	19.0
	575	59	431	3	3.1	15.2	59	431	3	3.1	15.2
0118EB	380	134	900	3	4.8	23.0	88	681	3	4.8	23.0
	460	111	719	3	4.0	19.0	73	542	3	4.0	19.0
	575	90	574	3	3.1	15.2	59	431	3	3.1	15.2
0128EB	380	122	900	4	4.8	23.0	84	681	4	4.8	23.0
	460	101	719	4	4.0	19.0	69	542	4	4.0	19.0
	575	81	574	4	3.1	15.2	56	431	4	3.1	15.2
0138EB	380	122	900	4	4.8	23.0	122	900	4	4.8	23.0
	460	101	719	4	4.0	19.0	101	719	4	4.0	19.0
	575	81	574	4	3.1	15.2	81	574	4	3.1	15.2
0148EB	380	122	900	4	4.8	23.0	122	900	4	4.8	23.0
	460	101	719	4	4.0	19.0	101	719	4	4.0	19.0
	575	81	574	4	3.1	15.2	81	574	4	3.1	15.2
0158EB	380	168	1093	4	4.8	23.0	122	900	4	4.8	23.0
	460	140	893	4	4.0	19.0	101	719	4	4.0	19.0
	575	111	714	4	3.1	15.2	81	574	4	3.1	15.2
0178EB	380	169	1093	4	4.8	23.0	169	1093	4	4.8	23.0
	460	140	893	4	4.0	19.0	140	893	4	4.0	19.0
	575	111	714	4	3.1	15.2	111	714	4	3.1	15.2
0198EB	380	198	1093	5	4.8	23.0	156	1093	5	4.8	23.0
	460	164	893	5	4.0	19.0	129	893	5	4.0	19.0
	575	131	714	5	3.1	15.2	103	714	5	3.1	15.2
0208EB	380	198	1093	5	4.8	23.0	198	1093	5	4.8	23.0
	460	164	893	5	4.0	19.0	164	893	5	4.0	19.0
	575	131	714	5	3.1	15.2	131	714	5	3.1	15.2

Electrical Data (continued)

OPTIONAL SINGLE-POINT POWER SUPPLY CONNECTION TO FACTORY CIRCUIT BREAKER – 2 COMPRESSOR UNITS (SEE FIG. 4)

(One Field Provided Power Supply Circuit to the chiller. Field Connections to Factory Provided Circuit Breaker in the 'Options Panel'.
No Internal Branch Circuit Protection (Breakers) per Motor Control Center¹⁰.)

MODEL YCAS	VOLTS	FIELD SUPPLIED WIRING			SYSTEM #1					SYSTEM #2				
		MCA ¹	FACTORY SUPPLIED BREAKER		COMPRESSOR #1		FANS ^{11, 12}			COMPRESSOR #2		FANS ^{11, 12}		
			RATING ²	WIRE RANGE ⁷ (LUGS)	RLA	XL-LRA	QTY	FLA(ea)	LRA(ea)	RLA	XL-LRA	QTY	FLA(ea)	LRA(ea)
0098EB	380	228	250	# 6 - 350	89	681	3	4.8	23.0	89	681	3	4.8	23.0
	460	188	250	# 6 - 350	73	542	3	4.0	19.0	73	542	3	4.0	19.0
	575	151	250	# 6 - 350	59	431	3	3.1	15.2	59	431	3	3.1	15.2
0118EB	380	285	400	(2) 3/0 - 250	134	900	3	4.8	23.0	88	681	3	4.8	23.0
	460	236	400	(2) 3/0 - 250	111	719	3	4.0	19.0	73	542	3	4.0	19.0
	575	189	250	# 6 - 350	90	574	3	3.1	15.2	59	431	3	3.1	15.2
0128EB	380	275	400	(2) 3/0 - 250	122	900	4	4.8	23.0	84	681	4	4.8	23.0
	460	228	400	(2) 3/0 - 250	101	719	4	4.0	19.0	69	542	4	4.0	19.0
	575	182	250	# 6 - 350	81	574	4	3.1	15.2	56	431	4	3.1	15.2
0138EB	380	313	400	(2) 3/0 - 250	122	900	4	4.8	23.0	122	900	4	4.8	23.0
	460	259	400	(2) 3/0 - 250	101	719	4	4.0	19.0	101	719	4	4.0	19.0
	575	206	250	# 6 - 350	81	574	4	3.1	15.2	81	574	4	3.1	15.2
0148EB	380	313	400	(2) 3/0 - 250	122	900	4	4.8	23.0	122	900	4	4.8	23.0
	460	260	400	(2) 3/0 - 250	101	719	4	4.0	19.0	101	719	4	4.0	19.0
	575	207	250	# 6 - 350	81	574	4	3.1	15.2	81	574	4	3.1	15.2
0158EB	380	371	600	(2) 250 - 500	168	1093	4	4.8	23.0	122	900	4	4.8	23.0
	460	308	400	(2) 3/0 - 250	140	893	4	4.0	19.0	101	719	4	4.0	19.0
	575	244	400	(2) 3/0 - 250	111	714	4	3.1	15.2	81	574	4	3.1	15.2
0178EB	380	418	600	(2) 250 - 500	169	1093	4	4.8	23.0	169	1093	4	4.8	23.0
	460	347	400	(2) 3/0 - 250	140	893	4	4.0	19.0	140	893	4	4.0	19.0
	575	275	400	(2) 3/0 - 250	111	714	4	3.1	15.2	111	714	4	3.1	15.2
0198EB	380	451	600	(2) 250 - 500	198	1093	5	4.8	23.0	156	1093	5	4.8	23.0
	460	374	600	(2) 250 - 500	164	893	5	4.0	19.0	129	893	5	4.0	19.0
	575	297	400	(2) 3/0 - 250	131	714	5	3.1	15.2	103	714	5	3.1	15.2
0208EB	380	493	600	(2) 250 - 500	198	1093	5	4.8	23.0	198	1093	5	4.8	23.0
	460	408	600	(2) 250 - 500	164	893	5	4.0	19.0	164	893	5	4.0	19.0
	575	325	400	(2) 3/0 - 250	131	714	5	3.1	15.2	131	714	5	3.1	15.2

NOTE: Wye-Delta Compressor Start not available with this option.
See page 105 for Electrical Data footnotes.

CONTROL POWER SUPPLY (UNITS WITHOUT STANDARD CONTROL CIRCUIT TRANSFORMERS)

NO. OF COMPRESSORS	CONTROL POWER SUPPLY	MCA (MAX LOAD CURRENT)	MAX DUAL ELEMENT FUSE SIZE	NON-FUSED DISCONNECT SWITCH SIZE
2	115V-1Ø	20A	20A	30A
3 or 4 (Non-CE 50/60Hz)	115V-1Ø	30A	30A	30A

CONTROL POWER SUPPLY (UNITS WITH STANDARD CONTROL CIRCUIT TRANSFORMERS)

NO. OF COMPRESSORS	CONTROL POWER SUPPLY	MCA (MAX LOAD CURRENT)	RECOMMENDED DUAL ELEMENT FUSE SIZE	NON-FUSED DISCONNECT SWITCH SIZE
2	200V - 60Hz	12.5A	30A	—
	230V - 60Hz	10.9A	30A	—
	380V - 60Hz	6.6A	15A	—
	460V - 60Hz	5.4A	15A	—
	575V - 60Hz	4.3A	15A	—
3 or 4	380V - 60Hz	9.9A	30A	—
	460V - 60Hz	8.2A	15A	—
	575V - 60Hz	6.5A	15A	—

Electrical Notes

NOTES (pages 94-104)

1. Minimum circuit ampacity (MCA) is based on 125% of the rated load amps for the largest motor plus 100% of the rated load amps for all other loads included in the circuit, per N.E.C. Article 430-24. If a Factory Mounted Control Transformer is provided, add the following to the system #1 MCA values in the YCAS tables: -17, add 15 amps; -28, add 12 amps; -40, add 7 amps; -46, add 6 amps; -58, add 5 amps.
2. The recommended disconnect switch is based on a minimum of 115% of the summation rated load amps of all the loads included in the circuit, per N.E.C. 440 - 12A1.
3. Minimum recommended fuse size is based on 150% of the largest motor RLA plus 100% of the remaining RLAs. Minimum fuse rating = $(1.5 \times \text{largest compressor RLA}) + \text{other compressor RLAs} + (\# \text{ fans} \times \text{each fan motor FLA})$.
4. Maximum dual element fuse size is based on 225% maximum plus 100% of the rated load amps for all other loads included in the circuit, per N.E.C. 440-22. Maximum fuse rating = $(2.25 \times \text{largest compressor RLA}) + \text{other compressor RLAs} + (\# \text{ fans} \times \text{each fan motor FLA})$.
5. Minimum recommended circuit breaker is 150% maximum plus 100% of rated load amps included in the circuit. Minimum circuit breaker rating = $(1.5 \times \text{largest compressor RLA}) + \text{other compressor RLAs} + (\# \text{ fans} \times \text{each fan motor FLA})$.
6. Maximum circuit breaker is based on 225% maximum plus 100% of the rated load amps for all loads included in the circuit, per circuit, per U.L. **1995** Fig. 36.2. Maximum circuit breaker rating = $(2.25 \times \text{largest compressor RLA}) + \text{other compressor RLAs} + (\# \text{ fans} \times \text{each fan motor FLA})$.
7. The Incoming Wire Range is the minimum and maximum wire size that can be accommodated by unit wiring lugs. The (1), (2), or (3) indicate the number of termination points or lugs which are available per phase. Actual wire size and number of wires per phase must be determined based on ampacity and job requirements using N.E.C. wire sizing information. The above recommendations are based on the National Electrical Code and using **copper connectors** only. Field wiring must also comply with local codes.
8. A ground lug is provided for each compressor system to accommodate field grounding conductor per N.E.C. Article 250-54. A control circuit grounding lug is also supplied.
9. The field supplied disconnect is a "Disconnecting Means" as defined in N.E.C. 100.B, and is intended for isolating the unit from the available power supply to perform maintenance and troubleshooting. This disconnect is not intended to be a Load Break Device.
10. Two-compressor machines with single-point power connection, and equipped with Star-Delta compressor motor start must also include Factory provided circuit breakers in each motor control center.
11. Consult factory for Electrical Data on units equipped with "High Static Fan" option. High Static Fans are 3kW each.
12. FLA for "Low Noise Fan" motors: 200V = 8.0A; 230V = 7.8A; 380V = 4.4A; 460V = 3.6A; 575V = 2.9A.
13. Group Rated Breaker must be HACR type for cUL machines.

LEGEND

ACR-LINE	ACROSS THE LINE START
CB	CIRCUIT BREAKER
DE FU	DUAL ELEMENT FUSE
DISC SW	DISCONNECT SWITCH
FACT MOUNT CB	FACTORY-MOUNTED CIRCUIT BREAKER
FACT MOUNT FUSE	FACTORY-MOUNTED FUSES
FLA	FULL LOAD AMPS
HZ	HERTZ
MAX	MAXIMUM
MCA	MINIMUM CIRCUIT AMPACITY
MIN	MINIMUM
MIN NF	MINIMUM NON-FUSED
RLA	RUNNING LOAD AMPS
S.P. WIRE	SINGLE-POINT WIRING
UNIT MTD SERV SW	UNIT-MOUNTED SERVICE (NON-FUSED DISCONNECT SWITCH)
WYE-DELTA	WYE-DELTA START
XLRA	ACROSS-THE-LINE INRUSH LOCKED ROTOR AMPS
YLRA	WYE-DELTA INRUSH LOCKED ROTOR AMPS

Power Connection Options

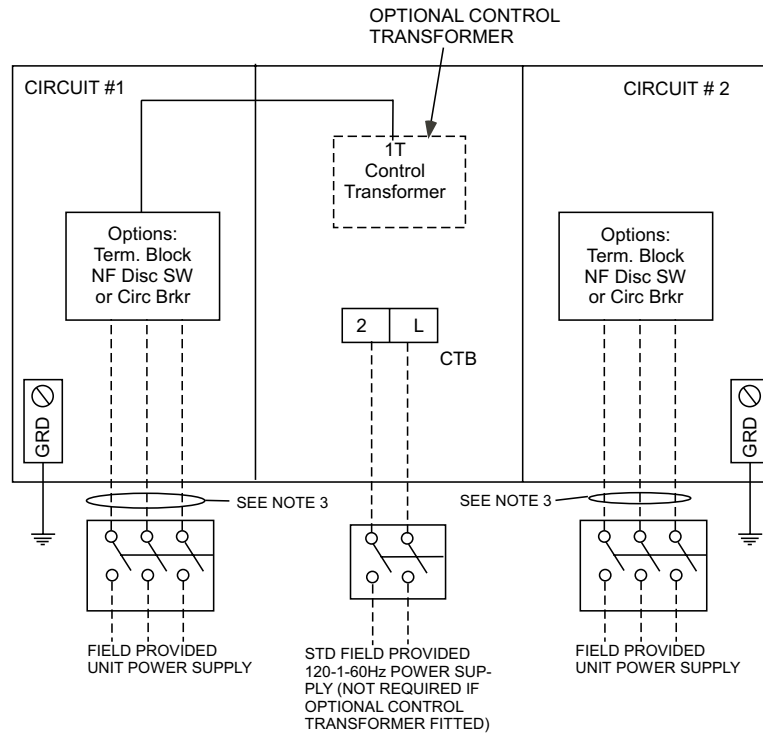


FIG. 1 – MULTIPLE POINT POWER SUPPLY CONNECTION – STANDARD UNIT

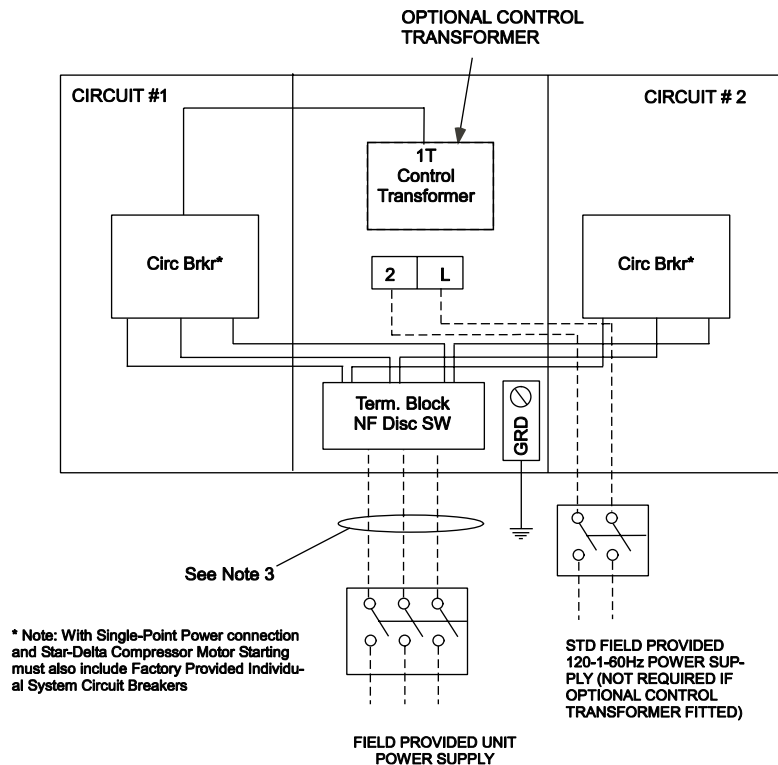


FIG. 2 – OPTIONAL SINGLE POINT POWER SUPPLY CONNECTION WITH INDIVIDUAL SYSTEM CIRCUIT BREAKERS

Power Connection Options (Continued)

3 & 4 COMPRESSOR POWER CONNECTION OPTIONS

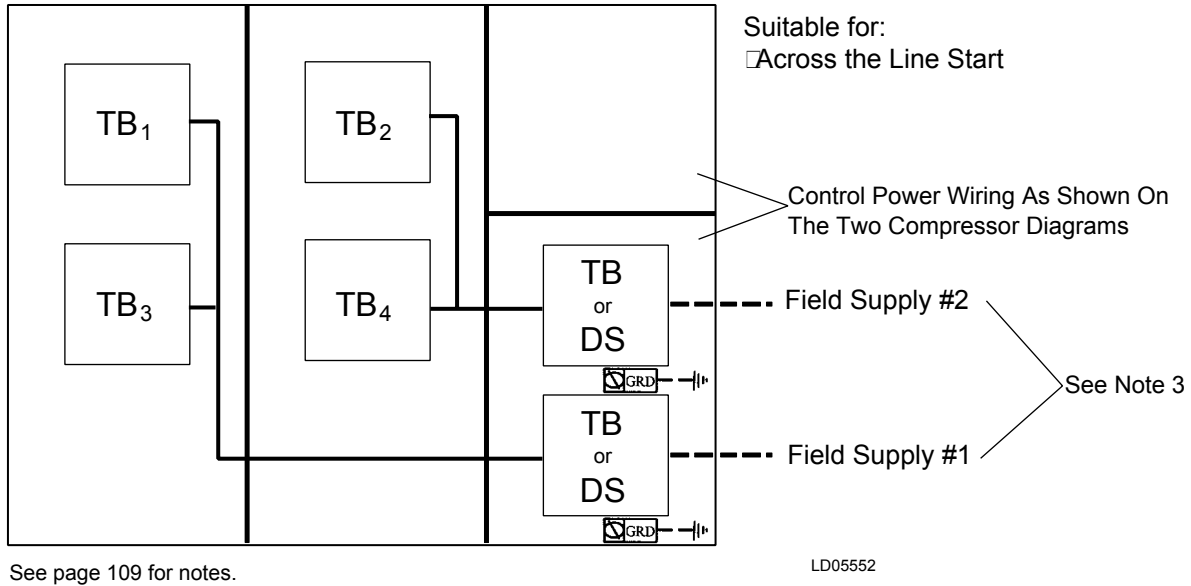


FIG. 5 – MULTIPLE POINT POWER SUPPLY CONNECTION

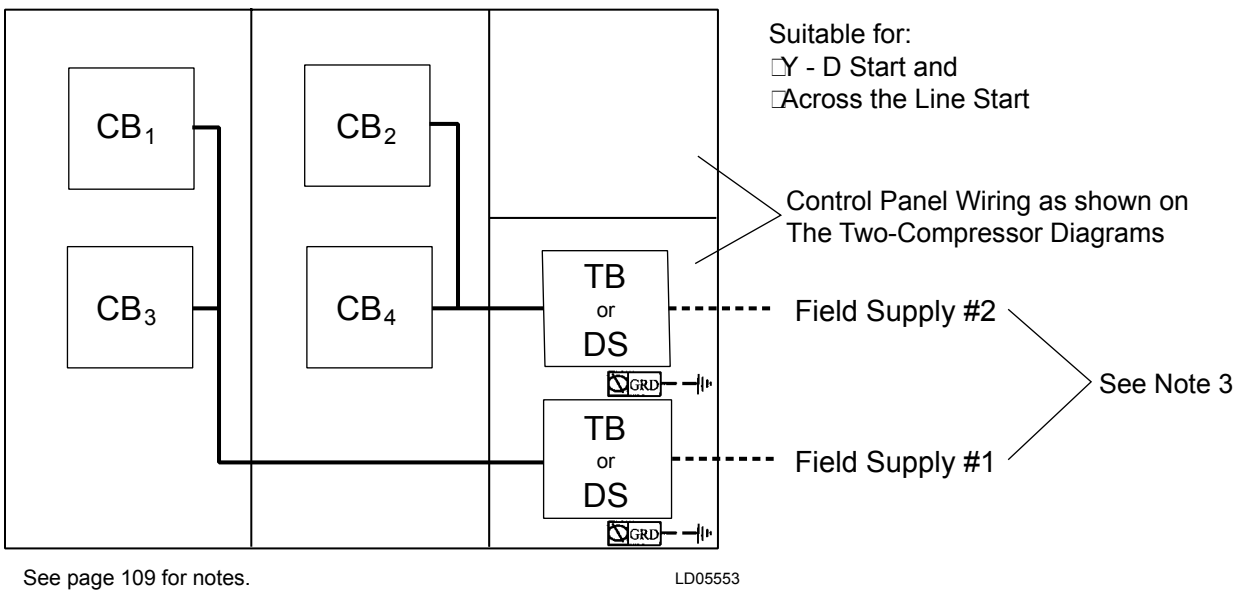


FIG. 6 – MULTIPLE POINT POWER SUPPLY CONNECTION WITH INDIVIDUAL SYSTEM CIRCUIT BREAKERS

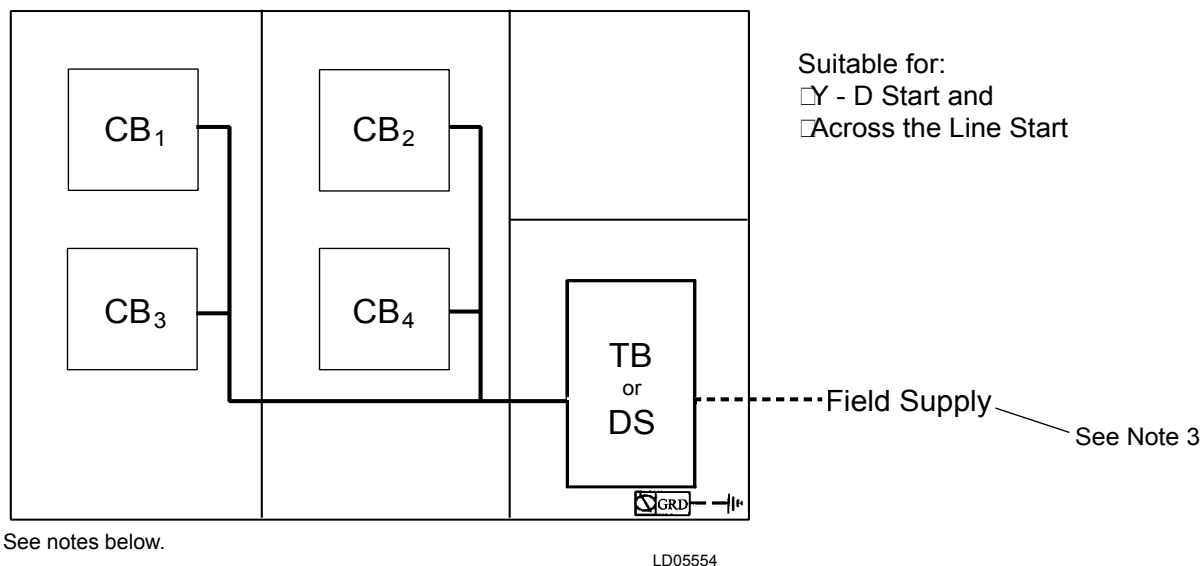








FIG. 7 – OPTIONAL SINGLE-POINT POWER SUPPLY CONNECTION WITH INDIVIDUAL SYSTEM CIRCUIT BREAKERS

NOTES:

1. U.L. Label is provided on 60 Hz units for these electrical wiring configurations.
2. — — — — — Dashed Line = Field Provided Wiring.
3. The above recommendations are based on the National Electric Code and using copper conductors only. Field wiring must also comply with local codes. Group Rated breaker must be HACR type for cU.L. machines.

LEGEND REFERS TO TYPICAL CONTROL WIRING DIAGRAM ON PAGES 110 & 111.

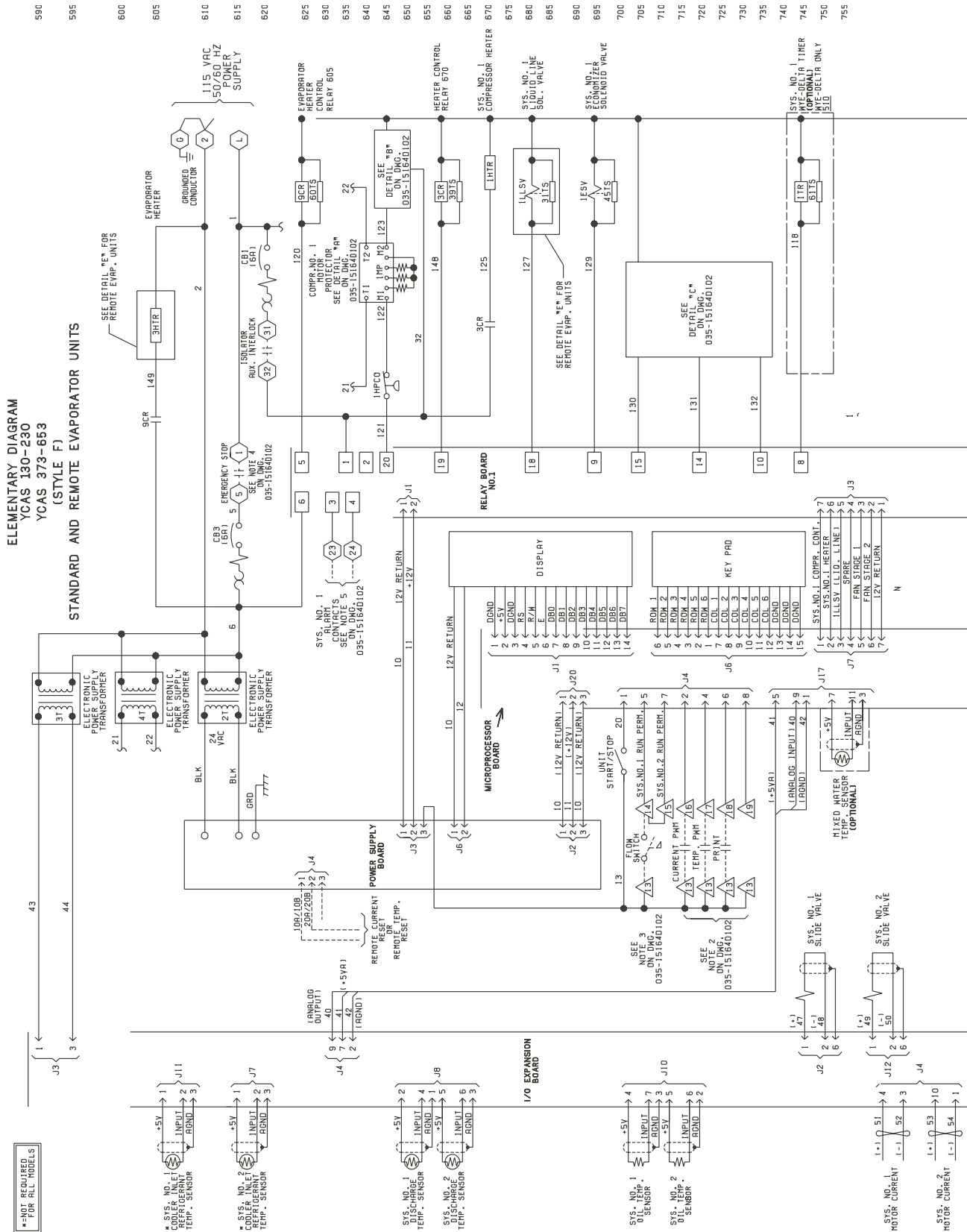
LEGEND

- TS** Transient Voltage Suppression
-  Terminal Block for Customer Connections
-  Terminal Block for Customer Low Voltage (Class 2) Connections. See Note 2
-  Terminal Block for YORK Connections Only
-  Wiring and Components by YORK
-  Optional Equipment
-  Wiring and/or Components by Others

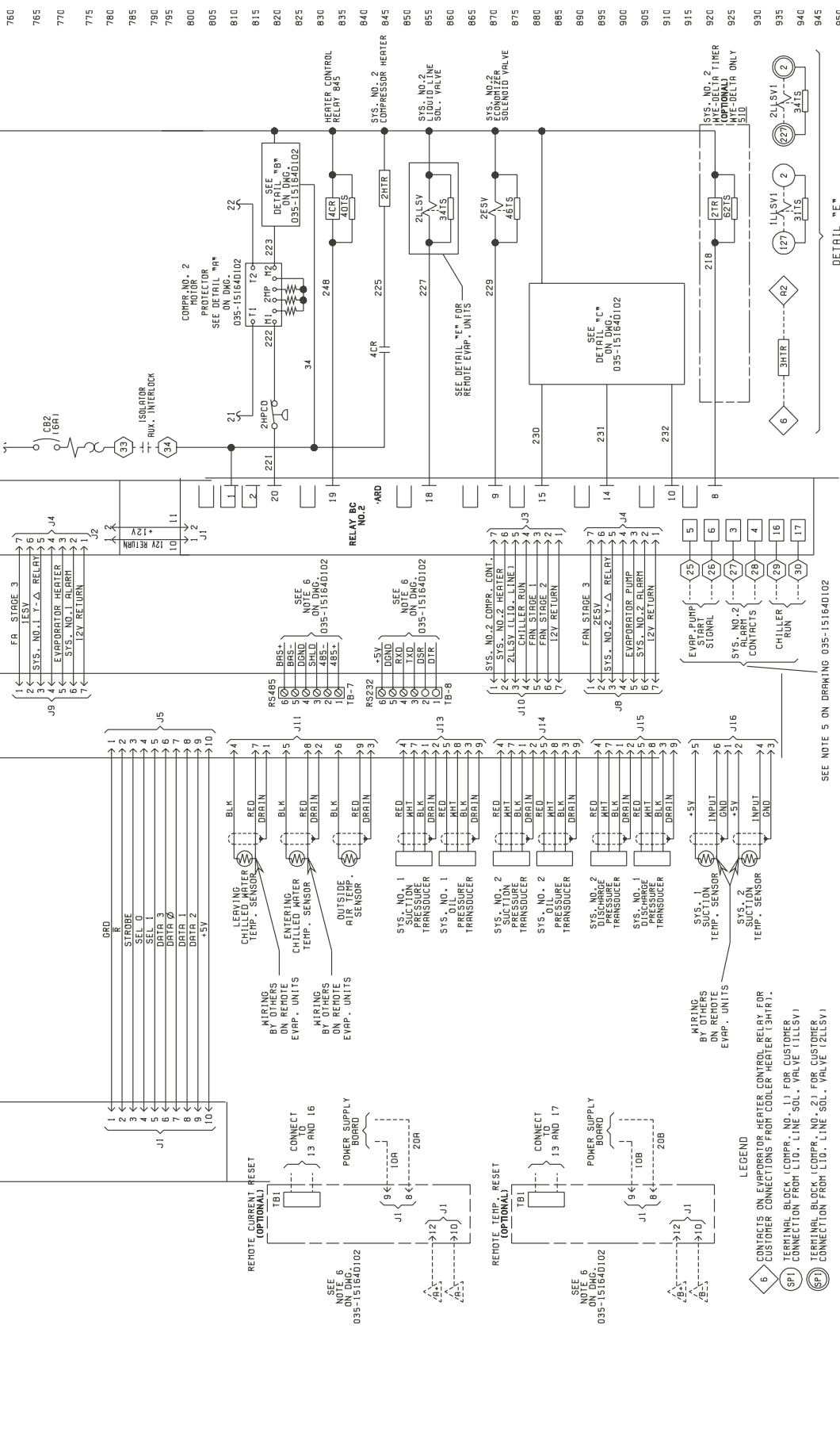
Typical Control Wiring – 2 Compressor

ELEMENTARY DIAGRAM
YCAS 130-230
YCAS 373-653
(STYLE F)

STANDARD AND REMOTE EVAPORATOR UNITS



590
595
600
605
610
615
620
625
630
635
640
645
650
655
660
665
670
675
680
685
690
695
700
705
710
715
720
725
730
735
740
745
750
755



NOTES:

1. Field wiring to be in accordance with the current edition of the National Electrical Code as well as all other applicable codes and specifications.
2. Contacts must be suitable for switching 24VDC, (gold contacts recommended). Wiring shall not be run in the same conduit with any line voltage wiring.
3. To cycle unit on and off automatically with contact shown, install a cycling device in series with the flow switch (flow). See note 2 for contact rating and wiring specifications.

4. To stop unit (emergency stop) with contacts other than those shown, install the stop contact between terminals 5 and 1. If a stop device is not installed, a jumper must be connected between terminals 5 and 1. Device must have a minimum contact rating of VA at 115 volts a.c.

5. Alarm contacts are for annunciating alarm/unit malfunction. Contacts are rated at 115V, 100VA, resistive load only, and must be suppressed at load by user.

6. See Installation, Operation and Maintenance manual when optional equipment is used.

LEGEND

- TS** Terminal Block for Customer Connections (Class 2) Connections. See Note 2
- Transient Voltage Suppression
- Terminal Block for YORK Connections Only
- Wiring and Components by YORK
- Optional Equipment
- Wiring and/or Components by Others

760
765
770
775
780
785
790
795
800
805
810
815
820
825
830
835
840
845
850
855
860
865
870
875
880
885
890
895
900
905
910
915
920
925
930
935
940
945

LD03010

Application Data

APPLICATION DATA:

The YORK YCAS air cooled chillers are designed for outdoor installation. When selecting a site for installation, be guided by the following requirements:

1. Installation sites may be either on a roof or ground level. (See FOUNDATION)
2. Select a place having an adequate supply of fresh air for the condensers. Recommended clearances for all units are shown on the DRAWINGS pages.
3. Avoid locations near windows or structures where normal operating sounds may be objectionable.
4. The standard condenser fans are not recommended for use with ductwork, filters, or other resistance in the condenser air stream.
5. When it is desirable to surround the unit, it is recommended that the screening be able to pass the required chiller cfm without exceeding 0.1" external static pressure.
6. Condenser damage from corrosive environments can be inhibited by providing either copper fins, or cured epoxy coating on the condenser coils. The cured phenolic or epoxy coated coils are recommended for units installed near seashore, or where salt spray may hit the unit, or where acid rain is prevalent (copper fin coils are not recommended where they may be exposed to acid rain).
7. On installations where winter operation is intended and snow accumulations expected, additional elevation must be provided to ensure normal condenser air flow.

FOUNDATION

The unit should be mounted on a flat, level foundation, ground or roof, capable of supporting the entire operating weight of the equipment as given in the PHYSICAL DATA tables.

Roof Locations – Adequate structural strength to safely support the entire weight of the unit and service personnel must be provided. Care must be taken not to damage the roof during installation. If the roof is “bonded,” consult building contractor or architect for special installation requirements. Roof installations should incorporate the use of isolators to minimize transmission of vibration into the building structure. Additional support

should be provided to the roof at the isolator locations.

Ground Locations – Units must be installed on a substantial base that will not settle and cause strain on the refrigerant lines, which could result in leaks. A one-piece concrete slab, with footers extending below the frost line is recommended. The slab should not be connected to the main building foundation to avoid noise and vibration transmission.

Mounting holes (0.625" or 16 mm diameter) are provided in the base rails for bolting the unit to its foundation (See DIMENSIONS)

For ground installations, take precautions to prevent tampering by, or injury to, unauthorized persons. Fasteners on access panels will prevent casual tampering, however further safety precautions, such as unit enclosure options, a fence, or locking devices on the panels may be advisable. Check local authorities for safety regulations.

CHILLED LIQUID PIPING

The chilled liquid piping system should be laid out so the circulating pump discharges into the cooler. The inlet and outlet cooler liquid connections are given in DIMENSIONS. Hand stop valves are recommended in all lines to facilitate servicing. Drain and vent connections should be provided to permit complete drainage of the cooler and system piping.

A strainer (40 mesh) is recommended for use on the INLET line to the cooler, and must be in place upon initial operation of the water pumps. Anti-vibration couplings should be considered to inhibit noise and vibration transmission into the occupied space. Pressure gauge connections are recommended for installation in the inlet and outlet water lines. Gauges are not provided with the units and are by others.

Chilled liquid lines exposed to the weather should be wrapped with a supplemental heater cable and insulated, or glycol should be added to the chilled liquid to protect against freezing if low ambient periods are expected.

A flow switch (available as an accessory) must be installed in the leaving water piping of the cooler and must not be used to start and stop the unit.

Guide Specifications

PART 1 — GENERAL

1.01 SCOPE

- A. The requirements of the General Conditions, Supplementary Conditions, Division 1, and Drawings apply to all Work herein.
- B. Provide Microprocessor controlled, twin-screw compressor, air-cooled, liquid chillers of the scheduled capacities as shown and indicated on the Drawings, including but not limited to:
 1. Chiller package
 2. Charge of refrigerant and oil
 3. Electrical power and control connections
 4. Chilled water connections

1.02 QUALITY ASSURANCE

- A. Products shall be Designed, Tested, Rated and Certified in accordance with, and installed in compliance with applicable sections of the following Standards and Codes:
 1. ANSI/ASHRAE Standard 15 – *Safety Code for Mechanical Refrigeration*
 2. ANSI/NFPA Standard 70 – *National Electrical Code* (N.E.C.).
 3. *ASME Boiler and Pressure Vessel Code, Section VIII, Division 1.*
 4. ARI Standard 550/590 – *Centrifugal and Rotary Screw Water Chilling Packages.*
 5. Conform to Underwriters Laboratories (U.L.) for construction of chillers and provide U.L./cU.L. Listing label.
 6. Manufactured in facility registered to ISO 9002.
- B. Factory Test: Chiller shall be pressure-tested, evacuated and fully charged with refrigerant and oil, and shall be factory operational run tested with water flowing through the vessel.
- C. Warranty: Manufacturer shall Warrant all equipment and material of its manufacture against defects in workmanship and material for a period of eighteen (18) months from date of initial start-up or date of shipment, whichever occurs first.

1.03 DELIVERY AND HANDLING

- A. Unit shall be delivered to job site fully assembled, and charged with refrigerant and oil by the Manufacturer.
- B. Unit shall be stored and handled per Manufacturer's instructions.

PART 2 — PRODUCTS

2.01 CHILLER MATERIALS AND COMPONENTS

- A. General: Install and commission, as shown on the

schedules and plans, factory assembled, charged, and tested air cooled screw compressor chiller(s) as specified herein. Chiller shall be designed, selected, and constructed using a refrigerant with Flammability rating of "1", as defined by ANSI/ASHRAE STANDARD-34 *Number Designation and Safety Classification of Refrigerants*. Chiller shall include, but is not limited to: a complete system with not less than two independent refrigerant circuits, semihermetic twin screw compressors, direct expansion type evaporator, air-cooled condenser, refrigerant, lubrication system, interconnecting wiring, safety and operating controls including capacity controller, control center, motor starting components, and special features as specified herein or required for safe, automatic operation.

- B. Cabinet: External structural members shall be constructed of heavy gauge, galvanized steel coated with baked on powder paint which, when subject to ASTM B117, 500 hour, 5% salt spray test, yields minimum ASTM 1654 rating of "6".

2.02 COMPRESSORS AND MOTORS

- A. Compressors: Shall be direct drive, semihermetic, rotary twin-screw type, including: internal muffler, temperature actuated 'off-cycle' heater, rain-tight terminal box, internal discharge check, discharge and suction shut-off service valves, and precision machined cast iron housing. Design working pressure of entire compressor, suction to discharge, shall be 450 PSIG (31 Bar). Compressor shall be U.L. listed.
- B. Motors: Refrigerant suction gas cooled two-pole accessible hermetic compressor motor, full suction gas flow through 0.006" maximum mesh screen, with inherent internal thermal overload protection and external current overload on all three phases. Motor stator shall employ APT2000 type magnet wire.
- C. Lubrication: External oil separators with no moving or fragile parts, 450 PSIG design working pressure, and U.L. listing. Refrigerant system differential pressure shall provide oil flow through service replaceable, 0.5 micron, full flow, cartridge type oil filter internal to compressor. Filter bypass, less restrictive media, or oil pump not acceptable.
- D. Capacity Control: Compressors shall start at minimum load position. Capacity control range from 100% to 10% of chiller full load using continuous function slide valves, and without hot gas bypass. Step unloading unacceptable. Provide Microprocessor controlled, output pressure regulating capacity control valve to command compressor capacity independent of control valve input pressure and balance compressor capacity with cooling load.

Guide Specifications (Continued)

2.03 REFRIGERANT CIRCUIT COMPONENTS

Each independent refrigerant circuit shall include: liquid line shutoff valve with charging port, low side pressure relief device, removable core filter-drier, solenoid valve, sight glass with moisture indicator, expansion valves, and flexible, closed-cell foam insulated suction line.

2.04 HEAT EXCHANGERS

A. Evaporator:

1. Direct expansion type with refrigerant inside high efficiency copper tubes, chilled liquid forced over the tubes by galvanized steel baffles. Independent refrigerant circuits per compressor.
2. Constructed, tested, and stamped in accordance with applicable sections of ASME pressure vessel code for minimum 350 PSIG (24 Bar) refrigerant side design working pressure and 150 PSIG (10 Bar) water side design working pressure.
3. Shell covered with 3/4" (19 mm), flexible, closed-cell insulation, thermal conductivity of 0.26k ([BTU/HR-Ft²-°F]/in.) maximum. Water nozzles with grooves for mechanical couplings, and insulated by Contractor after pipe installation.
4. Provide vent and drain fittings, and thermostatically controlled heaters to protect to -20°F (-29°C) ambient in off-cycle.

B. Air Cooled Condenser:

1. Coils: Internally enhanced, seamless copper tubes, mechanically expanded into aluminum alloy fins with full height collars. Subcooling coil an integral part of condenser. Design working pressure shall be 450 PSIG (31 Bar).
2. Fans: Shall be dynamically and statically balanced, direct drive, corrosion resistant glass fiber reinforced composite blades molded into low noise, full airfoil cross section, providing vertical air discharge from extended orifices for efficiency and low sound. Each fan in its own compartment to prevent cross flow during fan cycling. Guards of heavy gauge, PVC (polyvinyl chloride) coated or galvanized steel.
3. Fan Motors: High efficiency, direct drive, 6-pole, 3-phase, insulation class "F," current protected, Totally Enclosed Air-Over (TEAO), rigid mounted, with double sealed, permanently lubricated, ball bearings.

C. Provide Auxiliary Heat Exchangers to increase overall unit efficiency: U.L./cU.L. Listed 450 PSIG (31 Bar) design working pressure.

2.05 CONTROLS

- A. General: Automatic start, stop, operating, and protection sequences across the range of scheduled conditions and transients.
- B. Control Circuit Transformer: Factory mounted with primary breaker having lockable, external handle, and 115V/1Ø secondary.
- C. Microprocessor Enclosure: Rain and dust tight NEMA 3R/12 (IP55) powder painted steel cabinet with hinged, latched, and gasket sealed door.
- D. Microprocessor Control Center:
 1. Automatic control of compressor start/stop and load/unload, anti-coincidence and anti-recycle timers, automatic pump-down at start-up and shut-down, condenser fans, evaporator pump, evaporator heater, unit alarm contacts, run signal contacts, and chiller operation from 0°F to 125°F (-18°C to 52°) ambient. Automatic reset to normal chiller operation after power failure.
 2. Setpoint Reset:
 - a. Pulse Width Modulated (PWM) input to reset current unload setpoint downward via signal from external Energy Management System (EMS), maximum allowable reset programmable from microprocessor keypad.
 - b. PWM input to reset the chilled liquid setpoint upward via signal from remote EMS, maximum allowable reset programmable from microprocessor keypad.
 3. Software stored in non-volatile memory, with programmed setpoints retained in lithium battery backed real time clock (RTC) memory for minimum 5 years.
 4. Forty character liquid crystal display, descriptions in English (or Spanish or French), numeric data in English (or Metric) units. Sealed keypad with sections for Setpoints, Display, Entry, Print, Program, Clock, and Unit On/Off Switch.
 5. Programmable Setpoints (within Manufacturer limits): display language; discharge pressure unload and cutout; low suction pressure cutout; low and high ambient cutouts; leaving chilled liquid temperature: setpoint, control range, and cutout; high motor current unload; anti-recycle time; lag compressor start; local or remote control; units of measure; compressor lead/lag; power failure restart (auto or manual), and maximum EMS-PWM reset temperature range.
 6. Display Data: Chiller liquid return and leaving temperatures, ambient, lead compressor identification and lead/lag delay, clock and schedule, (variable)

out of range, remote input indication, chilled liquid reset setpoint, leaving liquid pull-down rate setpoint, leaving liquid error (deviation from setpoint), and history data for last six shutdown faults. Compressor suction, discharge, and oil pressures and temperatures, suction and discharge superheats, percent of full-load motor current, operating hours, starts, and anti-recycle timer status. Status Messages for manual over-ride, unit switch off, compressor run, run permissive, remote controlled shut down, no cooling load, daily/holiday shut down, anti-recycle/anti-coincident timer, high pressure low suction temperature limit.

7. System Safeties: Shall cause individual compressor systems to perform auto-reset shut down; manual reset required after the third trip in 90 minutes. Includes: high discharge pressure or temperature, low suction pressure, high / low motor current, high pressure switch, high / low differential oil pressure, high oil temperature, and motor protector. Compressor motor protector shall protect against damage due to: low or high input current, phase reversal (reverse rotation), current unbalance, phase loss, thermal overload of windings, and low voltage.
 8. Unit Safeties: Shall be automatic reset and cause compressors to shut down if: high or low ambient, low leaving chilled liquid temperature, under voltage, and flow switch operation. Contractor shall provide flow switch and wiring per chiller manufacturer requirements.
 9. Alarm Contacts: High or low ambient, low leaving chilled liquid temperature, low voltage, low battery, and (per compressor circuit): high discharge pressure or temperature, low suction pressure, low or high motor current, low or high differential oil pressure, and high oil temperature.
- E. Manufacturer shall provide any controls not listed above, necessary for automatic chiller operation. Mechanical Contractor shall provide field control wiring necessary to interface sensors to the chiller control system.

2.06 POWER CONNECTION AND DISTRIBUTION

A. POWER PANELS:

1. NEMA 3R/12 (IP55) rain/dust tight, powder painted steel cabinets with hinged, latched, and gasket sealed outer doors equipped with wind struts for safer servicing. Provide main power connection(s), compressor and fan motor start contactors, current overloads, and factory wiring.
2. Field power supply wiring connections shall be to a

single power center on the chiller, shall be 3 phase of scheduled voltage, and shall connect to terminal blocks per each of the two motor control panels. Separate disconnecting means and/or external branch circuit protection (by Contractor) required per applicable local or national codes.

3. Provide two electrically separate, adjacent motor control center cabinets, with independent doors and separated by a steel panel, for compressor and fan motor power distribution components.
- B. Exposed compressor and fan motor power wiring shall be routed through liquid tight conduit.

2.07 ACCESSORIES AND OPTIONS

Some accessories and options supercede standard product features. Your YORK representative will be pleased to provide assistance.

- A. Microprocessor controlled, Factory installed Wye-Delta compressor motor starters for reduced compressor inrush start current. Machines equipped with single-point power connection and with Star-Delta compressor motor start shall also include Factory provided circuit breakers in each motor control center.

B. Power Supply Connections:

1. Multiple Point Supply with Individual Systems Circuit Breakers or Non-Fused Disconnect Switches: Two Field provided branch circuits shall connect to individual system Circuit Breakers or Non-Fused Disconnects per compressor on each of the two motor control centers, with lockable external handles on doors in compliance with Article 440-14 of the N.E.C.
2. Single Point Terminal Block or Non-fused Disconnect Switch: Field provided branch circuit shall connect to single-point Terminal Block or Non-Fused Disconnect with lockable external handle in compliance with N.E.C. Article 440-14, with Factory provided interconnecting wiring to (optional Individual System Circuit Breakers, and) compressor motor start components in each of two motor control center cabinets.
3. Single Point Circuit Breaker: Field provided branch circuit shall connect to single-point Circuit Breaker with Lockable External Handle (in compliance with Article 440-14 of N.E.C.). Factory provided interconnecting wiring to compressor motor start components in each of two motor control center cabinets.

- C. Control Circuit Power Terminal Strip (115V, 1Ø) lo-

Guide Specifications (Continued)

cated in the Microprocessor Panel to accept a field provided control power circuit with appropriate branch circuit protection in accordance with applicable Local and National codes. For Models 0218 - 0418.

D. Condenser Coil Environmental Protection:

1. PRE-COATED FIN CONDENSER COILS – The air-cooled condenser coils are constructed of black epoxy-coated aluminum fins. This can provide corrosion resistance comparable to copper-fin coils in typical seashore locations. Either these or the post-coated coils (below), are recommended for units being installed at the seashore or where salt spray may hit the unit.
2. COPPER FIN: Provide copper fins in lieu of aluminum.
3. POST-COATED EPOXY DIPPED CONDENSER COILS – The unit is built with dipped-cured condenser coils. This is another choice for seashore and other corrosive applications (with the exception of strong alkalis, oxidizers and wet bromine, chlorine and fluorine in concentrations greater than 100 ppm).

E. Protective Chiller Panels (Factory-mounted):

1. Louvered Panels (condenser coils only): Painted steel as per remainder of unit cabinet, over external condenser coil faces.
2. Wire Panels (full unit): Heavy gauge, welded wire-mesh, PVC coated to resist corrosion, to protect condenser coils from incidental damage and restrict unauthorized access to internal components.
3. Louvered Panels (full unit): Painted steel as per remainder of unit cabinet, to protect condenser coils from incidental damage, visually screen internal components, and prevent unauthorized access to internal components.
4. Louvered/Wire Panels: Louvered steel panels on external condenser coil faces, painted as per remainder of unit cabinet. Heavy gauge, welded wire-mesh, PVC coated to resist corrosion, around base of machine to restrict unauthorized access.

F. Evaporator options:

1. Provide 1-1/2" cooler insulation in lieu of standard 3/4".
2. Provide DX Cooler with 300 PSIG water-side design working pressure in lieu of standard 150 PSIG
3. Provide Raised Face Flanges for cooler nozzles:
 - a. 150 PSIG, welded flanges (field kit, mate supplied).
 - b. 300 PSIG, welded flanges (factory installed, no

mate supplied).

- c. 150 PSIG, Victaulic™ Flanges (field kit, no mate supplied).

G. Flow Switch (Field-mounted): Vapor proof SPDT, NEMA 4X switch (___ 150 PSIG or ___ 300 PSIG), -20°F to 250°F.

H. High External Static Pressure Fans and Motors: Factory installed fans and motors for up to 0.4 inches of water (100Pa) external static pressure at nominal condenser air flow.

I. Microprocessor Membrane Keypad Graphics on in lieu of Standard English:

1. French language.
2. Spanish language.

J. Thermal Storage: Leaving chilled liquid setpoint range for charge cycle to 20°F (-6.7°C) (optional to as low as 15°F (-9.4°C) minimum), automatic setpoint reset of up to 40°F (22°C).

K. Low Temperature Process Brine: Leaving chilled liquid setpoint range 20°F (-6.7°C) to 55°F (13°C); optional to 15°F (-9.4°C).

L. Building Automation System (EMS) Reset Interface: Chiller to accept 4 to 20mA, 0 to 10 VDC, or discrete contact closure input to reset the leaving chilled liquid temperature, or percent full load amps (current limit).

M. Remote Control Panel (Field-mounted): Auxiliary panel for remote user interface for functions normally made at the unit control center.

N. Multi-Unit Sequence Control (Field-mounted): Separate Sequencing control center provided to permit control of up to eight chillers in parallel based on mixed liquid temperature.

O. Sound Reduction (Factory-mounted):

1. Low speed, reduced noise fans
2. Acoustic Silencer Kit
3. Compressor Sound Blankets

P. Vibration Isolation (Field-mounted):

1. Neoprene Isolators.
2. 1 Inch Deflection Spring Isolators: Level adjustable, spring and cage type isolators for mounting under the unit base rails.
3. 2 Inch Deflection Seismic Isolators: Level adjustable, restrained mounts in rugged welded steel housing with vertical and horizontal limit stops. Housings shall be designed to withstand a minimum 1.0g accelerated force in all directions to 2".

PART 3 — EXECUTION**3.01 INSTALLATION**

- A. General: Rig and Install in full accordance with Manufacturer's requirements, Project drawings, and Contract documents.
- B. Location: Locate chiller as indicated on drawings, including cleaning and service maintenance clearance per Manufacturer instructions. Adjust and level chiller on support structure.
- C. Components: Installing Contractor shall provide and install all auxiliary devices and accessories for fully operational chiller.
- D. Electrical: Coordinate electrical requirements and connections for all power feeds with Electrical Contractor (Division 16).
- E. Controls: Coordinate all control requirements and connections with Controls Contractor.
- F. Finish: Installing Contractor shall paint damaged and abraded factory finish with touch-up paint matching factory finish.



This page intentionally left blank.

This page intentionally left blank.



P.O. Box 1592, York, Pennsylvania USA 17405-1592
Copyright © by York International Corporation 2001
Form 201.19-EG4 (903)
Supersedes 2018.18 EG4 (301)

Tele. 800-861-1001
www.york.com

Subject to change without notice. Printed in USA
ALL RIGHTS RESERVED