CENTRAL CHILLERS

TTOACS SERIES

Air-Cooleo

- Designed For Outdoor Installation
- Single or Multiple Refrigeration Zones
- Microprocessor Control Instrument
- 5 130 Tons Capacity
- Integral Air-Cooled Condenser
- Fluid Temperatures of 20°F 70°F







GREAT FOR NEW START-UP INSTALLATIONS OR EXPANSION OF EXISTING SYSTEMS...

TTAOCS Series chillers are designed for outdoor installation in many climates. The fully charged air-cooled refrigerant chiller, and pump tank station are packaged in a single frame that minimizes costly field installation.

PROCESS TEMPERATURES:

 20°F to 70°F

AMBIENT TEMPERATURE RANGE:

-20°F to 95°F (standard)

PROCESS PUMP HP:

starting from 2HP, 12 GPM

The refrigerant circuits include scroll or rotary screw compressors, shell & tube or brazed plate evaporators, capacity control system, and integral air-cooled condensers. The integral pump tank station includes a high flow process pump. Select models also include a dedicated evaporator pump.

TEMPLE Since 1989

PRICE & PERFORMANCE... for the LONG TERM

OUTDOOR DESIGN

The TTOACS central chiller was designed from the ground up to endure harsh outdoor environments in nearly any climate. Temptek engineers have selected only the highest quality components that are manufactured for outdoor installation.

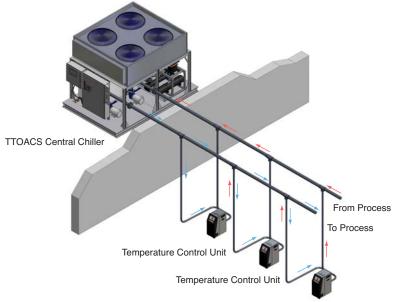


TTOACS-80D shown with optional tank heater

The electrical cabinet is NEMA 4 rated which means it is designed for outdoor use to provide protection against windblown dust and rain, splashing water, hose-directed water and damage from external ice formation. A UL labeled subpanel is standard. The chiller control instrument is housed in a separate NEMA 4 rated enclosure with a

window so that the chiller status can be easily monitored and adjustments can be made without accessing the high voltage cabinet.

A rugged frame supports the components. Shipment is made via a flat bed trailer for large capacity units or enclosed trailer for small capacity units. Simply place the chiller on a field supplied pad or roof, connect the power and fluid piping, fill with coolant and the system is ready to cool.



Temperature Control Unit

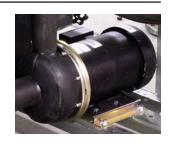
CAPACITY & REFRIGERANT ZONES

TTAOCS central chillers are available with cooling capacities from 5 - 130 tons (17 - 456 KW) and with single or dual refrigeration zones. Single zone models are best when the cooling load will be steady and when few use points will be serviced.

Models with dual refrigeration zones are for applications where the cooling load may fluctuate and where multiple fluid use points are being serviced. Dual zone units provide superior capacity control by staging refrigeration zones to match the chiller capacity to the process demand. Dual zone units also provide built in redundancy. If one refrigeration zone requires service, the second can operate providing 50% of the chiller capacity.

COOLANT CIRCUIT

TTOACS central chillers include an integral reservoir and fluid pumping system. The reservoir is constructed of non-ferrous wetted surfaces, either rotationally molded polyethylene or stainless steel. The non-rusting reservoir is generously sized to support the process needs. Units with stainless steel tanks can be equipped with a sump heater. A water glycol mixture is required



when operating at setpoints below 48°F and when ambient temperatures are expected to fall below 38°F and for some high flow applications.

Coupled to the reservoir are centrifugal pumps to provide process flow. Single refrigeration circuit chillers use a single pump system that delivers the cooling fluid to process then returns it through the chiller's evaporator and into the reservoir.

Dual refrigeration circuit chillers use a two-pump system where independent pumps are included: one for process flow and a second for flow through the chiller's evaporator. A two-pump system allows for high process flows, constant flow through the chiller when the process flow varies and provides superior temperature control.

All pumps include TEFC motors designed for outdoor operation along with suction and discharge valves. Connection sizes are selected based on application specific flow and pressure requirements. Most TTOACS chillers can be equipped with a dedicated installed standby pump and manifold.

COMPONENTS

COMPRESSOR...

Hermetic scroll or rotary screw compressors are standard on all models. Selected for their reliability, the compressors have few moving parts; offer low torque variation and high tolerance to liquid slugging.



CONDENSER...

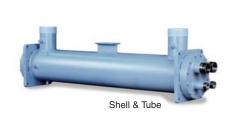
Constructed of a heat transfer coil that has copper tubes and aluminum fins for full rated performance at 95°F ambient. The coil is housed in a sheet metal enclosure with fans that provide a vertical air discharge. Ambient operation to -20°F is standard. No field installation is necessary and is delivered

Typical air-cooled condenser

EVAPORATOR...

fully charged.

Brazed plate and shell & tube evaporators are used for high heat transfer rates. Each refrigerant zone is equipped with its own evaporator.

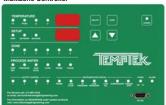




Brazed plate

CHILLER CONTROLS

Multizone Controller



Single Zone Controller



Digital Scroll Controller



MULTIZONE CONTROLLER is used on dual zone models and large capacity single zone models and is optional on smaller capacity single zone models. The control instrument consists of a main operator interface display and an intelligent zone board for each refrigeration zone and has a long history of reliable field service. The main display communicates with the zone boards to stage each refrigeration zone independently to bring the process temperature in line with the set point. If communications fails between the zone boards and the display, the zone boards assume control of their respective refrigeration zones and continue to operate.

- Soft key controls are provided for display selection and setpoint.
- Two windows display set point and actual process temperatures in °F or °C and selectable zone evaporator in and out temperatures along with unit set up parameters.
- Status lights are provided for seven system components: Probe, Low Flow, High Pressure, Low Pressure, Low Oil, Compressor, Freezestat
- · Alarm status light is provided.
- A selectable refrigeration zone lead/lag mode is a standard feature.
- Modbus RTU communication is provided via the DB-9/RS-485 connector.

SINGLE ZONE CONTROLLER is used on single zone units.

- A window displays set point or to process temperature in °F or °C.
- Soft key controls are provided for setpoint temperature and operating parameter selection.
- Status lights are provided for: Compressor On, Capacity Control
- Basic chiller diagnostics is indicated by the Refrigeration Fault light.
- The illuminated On/Off switch indicates that the chiller and coolant circuit is on or off.

DIGITAL SCROLL CONTROLLER is used on single zone units with Copeland Digital scroll compressors. The M1D controller includes all the features of the standard M1 controller plus the added circuitry and control logic to operate the advanced capacity control system of the digital scroll compressor.

STANDARD FEATURES

REFRIGERANT ZONES:

- Hermetic scroll compressors on 5-60 ton single zone units and dual zone units through 120 ton using HFC-410A refrigerant
- Rotary screw compressors on 75 125 ton single zone units and 150 210 ton dual zone units using HFC-407C refrigerant
- · Liquid line solenoid valve
- · Refrigerant sight glass with moisture indicator
- · Thermostatic expansion valve
- · Brazed plate or shell & tube evaporators
- System Capacity Control
 - Hot gas by-pass (single zone units with scroll compressors)
 - Unloading (single zone units with screw compressors)
 - Compressor staging & hot gas bypass (dual zone units with scroll compressors)
 - Compressor staging & unloading (dual zone units with screw compressors)
 - Digital compressor unloading (single zone units with digital scroll compressors)
 - Digital compressor unloading and compressor staging (single zone or dual zone models with tandem or multiple compressors)
- · Air-cooled condenser with vertical air discharge
- · Fully charged with non-ozone depleting refrigerant

PRESSURE INDICATION:

- Refrigerant low pressure (per zone)
- Refrigerant high pressure (per zone)
- Coolant pressure

COOLANT CIRCUIT:

- · Large capacity process pump:
- Evaporator pump (when included)
- Reservoir
- Polyethylene or stainless steel (wetted surfaces) construction
- Full insulation
- Tank lid

ELECTRICAL:

- · Outdoor rated electrical cabinet
- · Branch circuit fusing

WARRANTY:

• 1 year on parts and labor

CHILLER CONTROLS:

- M1 (single zone units)
- Multizone (dual zone and large capacity single zone units)
- M1D (single zone units with digital scroll compressor)

OPTIONS

REFRIGERANT ZONES:

- Digital Scroll Compressor
 - For energy saving capacity control (not available on all models)
- · Condenser coils with protective coating
 - For longer life in harsh environments
- · Oversized condenser
 - For full system capacity at ambient air temperatures above 95°F
- Staged tandem scroll compressors on single zone units
 - For superior capacity staging

COOLANT CIRCUIT:

- Larger process pumps
- Standby pumps and/or manifold
- Reservoir heater (mild or stainless steel tanks only)
- · No pumps or reservoir
- Basket strainer (standard on dual zone units)
- Overhead piping kit
- Low reservoir level switch (standard on dual zone units)
- Epoxy coated mild steel reservoir construction

ELECTRICAL:

- Main power disconnect
- · Line voltage & phase monitor
- UL labeled sub panel

WARRANTIES:

Extended compressor warranty

ENGINEERING DESIGN SERVICE

Temptek staffs a complete CAD based Engineering Department with experienced water system designers. Working from customer supplied facility and process information, Temptek designers analyze the entire system and select the correct component combinations to provide the most efficient output. If one of our standard systems does not fit your application requirements, then Temptek will design a custom system from a long list of available options.

TTOACS -

5S-M1-1P

7.5S-M1-1P

10S-M1-1P

15S-M1-1P

20S-M1-1P

25S-M1-1P

30S-M1-1P

MODEL¹

| MODEL | 110400 | 00 1111 11 | 7.00 1117 11 | 100 1111 11 | 100 1111 11 | 200 1111 11 | 200 1111 11 | 000 1111 11 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| COMPRESSOR | Туре | Single Scroll | Single Scroll | Single Scroll | Single Scroll | Single Scroll | Single Scroll | Single Scroll |
| CAPACITY ² | Tons | 4.9 | 7.1 | 9.8 | 14.5 | 18.5 | 23.1 | 30 |
| | KW | 17.2 | 24.9 | 34.4 | 50.9 | 64.9 | 81.0 | 105.3 |
| CONDENSER | # of FANS | 1 | 1 | 1 | 2 | 2 | 3 | 3 |
| | Model | 012 | 014 | 017 | 025 | 032 | 041 | 050 |
| EVAPORATOR | TYPE | Brazed Plate | Brazed Plate | Brazed Plate | Brazed Plate | Brazed Plate | Brazed Plate | Brazed Plate |
| REFRIGERANT ³ | | HFC-410A | HFC-410A | HFC-410A | HFC-410A | HFC-410A | HFC-410A | HFC-410A |
| PROCESS PUMP | HP | 2 | 2 | 2 | 3 | 3 | 5 | 5 |
| | GPM | 12 | 18 | 24 | 36 | 48 | 60 | 72 |
| | PSI (water) | 52 | 50 | 48 | 54 | 48 | 60 | 57 |
| EVAPORATOR PUMP | HP | Optional | Optional | Optional | Optional | Optional | Optional | Optional |
| STANDBY PUMP ⁴ | | A | A | A | A | A | Α | A |
| TANK | GALLONS | 65 | 65 | 65 | 65 | 65 | 65 | 130 |
| | CONSTRUCTION ⁵ | PE | PE | PE | PE | PE | PE | PE |
| CONNECTIONS | NPT / FLANGED | 11/4" N | 11/4" N | 1 ¹ / ₄ " N | 2" N | 2" N | 2" N | 2" N |
| DIMENSIONS 6 (inches) | HEIGHT | 86 | 86 | 86 | 86 | 86 | 86 | 86 |
| | WIDTH | 54 | 54 | 54 | 54 | 54 | 54 | 54 |
| | LENGTH | 78 | 78 | 78 | 122 | 122 | 186 | 186 |
| CONTROL | STANDARD | M1 | M1 | M1 | M1 | M1 | M1 | M1 |
| SYSTEM AMPERAGE ⁷ | FLA (460v) | 15.6 | 22.8 | 22.7 | 38.2 | 48.8 | 63.8 | 69.7 |
| | RLA (460v) | 13.5 | 18.3 | 21.4 | 31.6 | 41.3 | 48.7 | 60.7 |
| Factory # | 9266 | 009 | 109 | 209 | 309 | 409 | 509 | 609 |
| MODEL ¹ COMPRESSOR | TTOACS - | 40S-M1-1P Tandem Scroll | 50S-M1-1P Tandem Scroll | 60S-M1-2P Tandem Scroll | 75-MZC-2P Rotary Screw | 95-MZC-2P Rotary Screw | 105S-M1-1P Rotary Screw | 125S-M1-1P Rotary Screw |
| CAPACITY ² | Tons | 36.7 | 46.4 | 60.7 | 73 | 94 | 102 | 123 |
| CAPACITY | | | | 209.6 | | | 358.7 | 432.5 |
| | | 135.1 | 164 3 | | | | | |
| CONDENSER | # of FANS | 135.1 | 164.3 | | 256.7 | 330.5 | | |
| CONDENSER | # of FANS | 4 | 4 | 6 | 8 | 8 | 10 | 10 |
| | # of FANS MODEL | 4 056 | 4 074 | 6 096 | 8 118 | 8 157 | 10 167 | 10 198 |
| EVAPORATOR | # of FANS | 4 056 Brazed Plate | 4 074 Brazed Plate | 6 096 Brazed Plate | 8 118 Shell & Tube | 8 157 Shell & Tube | 10 167 Shell & Tube | 10 198 Shell & Tube |
| EVAPORATOR REFRIGERANT ³ | # of FANS MODEL TYPE | 4 056 Brazed Plate HFC-410A | 4 074 Brazed Plate HFC-410A | 6 096 Brazed Plate HFC-410A | 8 118 Shell & Tube HFC-407C | 8 157 Shell & Tube HFC-407C | 10 167 Shell & Tube HFC-407C | 10 198 Shell & Tube HFC-407C |
| EVAPORATOR REFRIGERANT ³ | # of FANS MODEL TYPE | 4 056 Brazed Plate HFC-410A 7.5 | 4 074 Brazed Plate HFC-410A 7.5 | 6 096 Brazed Plate HFC-410A 7.5 | 8 118 Shell & Tube HFC-407C | 8 157 Shell & Tube HFC-407C | 10 167 Shell & Tube HFC-407C | 10 198 Shell & Tube HFC-407C 20 |
| EVAPORATOR REFRIGERANT ³ | # of FANS MODEL TYPE HP GPM | 4 056 Brazed Plate HFC-410A 7.5 | 4 074 Brazed Plate HFC-410A 7.5 | 6 096 Brazed Plate HFC-410A 7.5 | 8 118 Shell & Tube HFC-407C 10 175 | 8 157 Shell & Tube HFC-407C 15 226 | 10 167 Shell & Tube HFC-407C 20 245 | 10 198 Shell & Tube HFC-407C 20 312 |
| EVAPORATOR REFRIGERANT ³ PROCESS PUMP | # of FANS MODEL TYPE HP GPM PSI (water) | 4 056 Brazed Plate HFC-410A 7.5 96 | 4 074 Brazed Plate HFC-410A 7.5 120 63 | 6 096 Brazed Plate HFC-410A 7.5 144 | 8 118 Shell & Tube HFC-407C 10 175 60 | 8 157 Shell & Tube HFC-407C 15 226 70 | 10 167 Shell & Tube HFC-407C 20 245 65 | 10 198 Shell & Tube HFC-407C 20 312 65 |
| EVAPORATOR REFRIGERANT ³ PROCESS PUMP | # of FANS MODEL TYPE HP GPM PSI (water) HP | 4 056 Brazed Plate HFC-410A 7.5 | 4 074 Brazed Plate HFC-410A 7.5 | 6 096 Brazed Plate HFC-410A 7.5 144 60 | 8 118 Shell & Tube HFC-407C 10 175 60 5 | 8 157 Shell & Tube HFC-407C 15 226 70 7.5 | 10 167 Shell & Tube HFC-407C 20 245 65 7.5 | 10 198 Shell & Tube HFC-407C 20 312 65 7.5 |
| EVAPORATOR REFRIGERANT ³ PROCESS PUMP EVAPORATOR PUMP | # of FANS MODEL TYPE HP GPM PSI (water) | 4 056 Brazed Plate HFC-410A 7.5 96 65 Optional | 4 074 Brazed Plate HFC-410A 7.5 120 63 Optional | 6 096 Brazed Plate HFC-410A 7.5 144 60 5 | 8 118 Shell & Tube HFC-407C 10 175 60 5 175 | 8 157 Shell & Tube HFC-407C 15 226 70 7.5 | 10 167 Shell & Tube HFC-407C 20 245 65 7.5 | 10 198 Shell & Tube HFC-407C 20 312 65 7.5 312 |
| EVAPORATOR REFRIGERANT ³ PROCESS PUMP EVAPORATOR PUMP STANDBY PUMP ⁴ | # of FANS MODEL TYPE HP GPM PSI (water) HP GPM | 4 056 Brazed Plate HFC-410A 7.5 96 65 Optional | 4 074 Brazed Plate HFC-410A 7.5 120 63 Optional | 6 096 Brazed Plate HFC-410A 7.5 144 60 5 144 | 8 118 Shell & Tube HFC-407C 10 175 60 5 175 | 8 157 Shell & Tube HFC-407C 15 226 70 7.5 226 A | 10 167 Shell & Tube HFC-407C 20 245 65 7.5 245 | 10 198 Shell & Tube HFC-407C 20 312 65 7.5 312 A |
| EVAPORATOR REFRIGERANT ³ PROCESS PUMP EVAPORATOR PUMP STANDBY PUMP ⁴ | # of FANS MODEL TYPE HP GPM PSI (water) HP GPM GALLONS | 4 056 Brazed Plate HFC-410A 7.5 96 65 Optional A | 4 074 Brazed Plate HFC-410A 7.5 120 63 Optional A | 6 096 Brazed Plate HFC-410A 7.5 144 60 5 144 A 350 | 8 118 Shell & Tube HFC-407C 10 175 60 5 175 A 350 | 8 157 Shell & Tube HFC-407C 15 226 70 7.5 226 A | 10 167 Shell & Tube HFC-407C 20 245 65 7.5 245 A | 10 198 Shell & Tube HFC-407C 20 312 65 7.5 312 A 900 |
| EVAPORATOR REFRIGERANT ³ PROCESS PUMP EVAPORATOR PUMP STANDBY PUMP ⁴ TANK | # of FANS MODEL TYPE HP GPM PSI (water) HP GPM GALLONS CONSTRUCTION ⁵ | 4 056 Brazed Plate HFC-410A 7.5 96 65 Optional A 130 PE | 4 074 Brazed Plate HFC-410A 7.5 120 63 Optional A | 6 096 Brazed Plate HFC-410A 7.5 144 60 5 144 A 350 SS | 8 118 Shell & Tube HFC-407C 10 175 60 5 175 A 350 SS | 8 157 Shell & Tube HFC-407C 15 226 70 7.5 226 A 350 SS | 10 167 Shell & Tube HFC-407C 20 245 65 7.5 245 A 350 SS | 10 198 Shell & Tube HFC-407C 20 312 65 7.5 312 A 900 SS |
| EVAPORATOR REFRIGERANT ³ PROCESS PUMP EVAPORATOR PUMP STANDBY PUMP ⁴ TANK CONNECTIONS | # of FANS MODEL TYPE HP GPM PSI (water) HP GPM GALLONS CONSTRUCTION ⁵ NPT / FLANGED | 4 056 Brazed Plate HFC-410A 7.5 96 65 Optional A 130 PE 2" N | 4 074 Brazed Plate HFC-410A 7.5 120 63 Optional A 130 PE 3° F | 6 096 Brazed Plate HFC-410A 7.5 144 60 5 144 A 350 SS 3" F | 8 118 Shell & Tube HFC-407C 10 175 60 5 175 A 350 SS 4" F | 8 157 Shell & Tube HFC-407C 15 226 70 7.5 226 A 350 SS 4" F | 10 167 Shell & Tube HFC-407C 20 245 65 7.5 245 A 350 SS 4" F | 10 198 Shell & Tube HFC-407C 20 312 65 7.5 312 A 900 SS 4" F |
| EVAPORATOR REFRIGERANT ³ PROCESS PUMP EVAPORATOR PUMP STANDBY PUMP ⁴ TANK CONNECTIONS | # of FANS MODEL TYPE HP GPM PSI (water) HP GPM GALLONS CONSTRUCTIONS NPT / FLANGED HEIGHT | 4 056 Brazed Plate HFC-410A 7.5 96 65 Optional A 130 PE 2" N | 4 074 Brazed Plate HFC-410A 7.5 120 63 Optional A 130 PE 3" F | 6 096 Brazed Plate HFC-410A 7.5 144 60 5 144 A 350 SS 3" F | 8 118 Shell & Tube HFC-407C 10 175 60 5 175 A 350 SS 4" F | 8 157 Shell & Tube HFC-407C 15 226 70 7.5 226 A 350 SS 4" F | 10 167 Shell & Tube HFC-407C 20 245 65 7.5 245 A 350 SS 4* F | 10 198 Shell & Tube HFC-407C 20 312 65 7.5 312 A 900 SS 4" F |
| EVAPORATOR REFRIGERANT ³ PROCESS PUMP EVAPORATOR PUMP STANDBY PUMP ⁴ TANK CONNECTIONS | # of FANS MODEL TYPE HP GPM PSI (water) HP GPM GALLONS CONSTRUCTION ⁵ NPT / FLANGED HEIGHT WIDTH | 4 056 Brazed Plate HFC-410A 7.5 96 65 Optional A 130 PE 2" N 86 54 | 4 074 Brazed Plate HFC-410A 7.5 120 63 Optional A 130 PE 3° F 86 90 | 6 096 Brazed Plate HFC-410A 7.5 144 60 5 144 A 350 SS 3" F 99 | 8 118 Shell & Tube HFC-407C 10 175 60 5 175 A 350 SS 4" F 99 | 8 157 Shell & Tube HFC-407C 15 226 70 7.5 226 A 350 SS 4" F 99 | 10 167 Shell & Tube HFC-407C 20 245 65 7.5 245 A 350 SS 4" F | 10 198 Shell & Tube HFC-407C 20 312 65 7.5 312 A 900 SS 4" F 99 |
| EVAPORATOR REFRIGERANT ³ PROCESS PUMP EVAPORATOR PUMP STANDBY PUMP ⁴ TANK CONNECTIONS DIMENSIONS ⁶ (inches) | # of FANS MODEL TYPE HP GPM PSI (water) HP GPM GALLONS CONSTRUCTIONS NPT / FLANGED HEIGHT WIDTH LENGTH | 4 056 Brazed Plate HFC-410A 7.5 96 65 Optional A 130 PE 2" N 86 54 186 | 4 074 Brazed Plate HFC-410A 7.5 120 63 Optional A 130 PE 3" F 86 90 122 | 6 096 Brazed Plate HFC-410A 7.5 144 60 5 144 A 350 SS 3" F 99 | 8 118 Shell & Tube HFC-407C 10 175 60 5 175 A 350 SS 4" F 99 90 240 | 8 157 Shell & Tube HFC-407C 15 226 70 7.5 226 A 350 SS 4" F 99 90 240 | 10 167 Shell & Tube HFC-407C 20 245 65 7.5 245 A 350 SS 4" F 99 90 300 | 10 198 Shell & Tube HFC-407C 20 312 65 7.5 312 A 900 SS 4" F 99 90 300 |
| EVAPORATOR REFRIGERANT ³ PROCESS PUMP EVAPORATOR PUMP STANDBY PUMP ⁴ TANK CONNECTIONS DIMENSIONS ⁶ (inches) | # of FANS MODEL TYPE HP GPM PSI (water) HP GPM GALLONS CONSTRUCTIONS NPT / FLANGED HEIGHT WIDTH LENGTH STANDARD | 4 056 Brazed Plate HFC-410A 7.5 96 65 Optional A 130 PE 2" N 86 54 186 M1 | 4 074 Brazed Plate HFC-410A 7.5 120 63 Optional A 130 PE 3" F 86 90 122 M1 | 6 096 Brazed Plate HFC-410A 7.5 144 60 5 144 A 350 SS 3" F 99 90 186 M1 | 8 118 Shell & Tube HFC-407C 10 175 60 5 175 A 350 SS 4" F 99 90 240 MZC | 8 157 Shell & Tube HFC-407C 15 226 70 7.5 226 A 350 SS 4" F 99 90 240 MZC | 10 167 Shell & Tube HFC-407C 20 245 65 7.5 245 A 350 SS 4" F 99 90 300 MZC | 10 198 Shell & Tube HFC-407C 20 312 65 7.5 312 A 900 SS 4" F 99 90 300 MZC |
| EVAPORATOR REFRIGERANT ³ PROCESS PUMP EVAPORATOR PUMP STANDBY PUMP ⁴ TANK CONNECTIONS DIMENSIONS ⁶ (inches) | # of FANS MODEL TYPE HP GPM PSI (water) HP GPM GALLONS CONSTRUCTION° NPT / FLANGED HEIGHT WIDTH LENGTH STANDARD FLA (460v) | 4 056 Brazed Plate HFC-410A 7.5 96 65 Optional A 130 PE 2" N 86 54 186 M1 87.5 | 4 074 Brazed Plate HFC-410A 7.5 120 63 Optional A 130 PE 3" F 86 90 122 M1 109.2 | 6 096 Brazed Plate HFC-410A 7.5 144 60 5 144 A 350 SS 3" F 99 90 186 M1 | 8 118 Shell & Tube HFC-407C 10 175 60 5 175 A 350 SS 4" F 99 90 240 MZC 214 | 8 157 Shell & Tube HFC-407C 15 226 70 7.5 226 A 350 SS 4" F 99 90 240 MZC 242 | 10 167 Shell & Tube HFC-407C 20 245 65 7.5 245 A 350 SS 4" F 99 90 300 MZC 291 | 10 198 Shell & Tube HFC-407C 20 312 65 7.5 312 A 900 SS 4" F 99 90 300 MZC 321 |
| EVAPORATOR REFRIGERANT ³ PROCESS PUMP EVAPORATOR PUMP STANDBY PUMP ⁴ TANK CONNECTIONS DIMENSIONS ⁵ (inches) CONTROL SYSTEM AMPERAGE ⁷ | # of FANS MODEL TYPE HP GPM PSI (water) HP GPM GALLONS CONSTRUCTIONS NPT / FLANGED HEIGHT WIDTH LENGTH STANDARD | 4 056 Brazed Plate HFC-410A 7.5 96 65 Optional A 130 PE 2" N 86 54 186 M1 | 4 074 Brazed Plate HFC-410A 7.5 120 63 Optional A 130 PE 3" F 86 90 122 M1 | 6 096 Brazed Plate HFC-410A 7.5 144 60 5 144 A 350 SS 3" F 99 90 186 M1 | 8 118 Shell & Tube HFC-407C 10 175 60 5 175 A 350 SS 4" F 99 90 240 MZC | 8 157 Shell & Tube HFC-407C 15 226 70 7.5 226 A 350 SS 4" F 99 90 240 MZC | 10 167 Shell & Tube HFC-407C 20 245 65 7.5 245 A 350 SS 4" F 99 90 300 MZC | 10 198 Shell & Tube HFC-407C 20 312 65 7.5 312 A 900 SS 4" F 99 90 300 MZC |

- 1. Since product innovation and improvement is our constant goal, all features and specifications are subject to change without notice or liability. Selection of certain optional features may change listed specifications.
- 2. Tons of capacity at 12,000 Btu/hr/ton @ 50°F LWT @ 115°F condensing temperature. +/- 5% as reserved by compressor manufacturer.
- 3. This is a non-ozone depleting refrigerant.
- 4. A = standby pump is available for this model. N/A = Standby pump is not available for this unit
- 5. PE = polyethylene reservoirs. SS = stainless steel reservoir
- 6. Dimensions are approximate and may change based on options and features selected. Do not use for construction.

7. FLA: full load amps with standard pumps and condenser. RLA: run load amps with standard pumps and condenser. Optional standby pumps, larger pumps or alternate condensers may change this rating. Do not use for construction.



since 1989

PRICE & PERFORMANCE... for the LONG TERM

SPECIFICATIONS - DUAL ZONE UNITS

20D-MZC-2P

30D-MZC-2P

40D-MZC-2P

60D-MZC-2P

50D-MZC-2P

TTOACS -

MODEL¹

| WODEL | TTOACS- | LOD IIILO LI | *************************************** | 40D-W20-21 | 30D-10120-21 | 00D-W2C-21 | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| COMPRESSOR | Туре | Scroll | Scroll | Scroll | Scroll | Scroll | |
| # OF ZONES | | 2 | 2 | 2 | 2 | 2 | |
| CAPACITY ² | Tons | 19.6 | 29 | 37 | 46.2 | 60 | |
| | KW | 68.8 | 101.8 | 129.8 | 162.1 | 210.5 | |
| CONDENSER | # of FANS | 2 | 4 | 4 | 6 | 6 | |
| | MODEL | (2)017 | (2)025 | (2)032 | (2)041 | (2)050 | |
| EVAPORATOR | TYPE | Brazed Plate | Brazed Plate | Brazed Plate | Brazed Plate | Brazed Plate | |
| REFRIGERANT ³ | | HFC-410A | HFC-410A | HFC-410A | HFC-410A | HFC-410A | |
| PROCESS PUMP | HP | 3 | 5 | 7.5 | 7.5 | 7.5 | |
| | GPM | 48 | 72 | 96 | 120 | 144 | |
| | PSI (water) | 48 | 57 | 65 | 63 | 60 | |
| EVAPORATOR PUMP | НР | 2 | 2 | 3 | 3 | 5 | |
| | GPM | 48 | 72 | 96 | 120 | 144 | |
| STANDBY PUMP ⁴ | | A | A | A | A | A | |
| TANK | GALLONS | 130 | 130 | 130 | 130 | 350 | |
| | CONSTRUCTION ⁵ | PE | PE | PE | PE | SS | |
| CONNECTIONS | NPT / FLANGED | 2" N | 2" N | 2" N | 3" N | 3" N | |
| DIMENSIONS 6 (inches) | HEIGHT | 99 | 99 | 99 | 99 | 99 | |
| | WIDTH | 96 | 96 | 96 | 96 | 96 | |
| | LENGTH | 78 | 132 | 132 | 186 | 186 | |
| CONTROL | STANDARD | MZC | MZC | MZC | MZC | MZC | |
| SYSTEM AMPERAGE ⁷ | FLA (460v) | 57.0 | 93.0 | 116.2 | 140.6 | 161.4 | |
| | RLA (460v) | 47.2 | 82.6 | 101.2 | 110.4 | 143.4 | |
| FACTORY # | 9268 | 009 | 109 | 209 | 309 | 409 | |
| | | | | | | | |
| MODEL ¹ | TTOACS - | 80D-MZC-2P | 100D-MZC-2P | 120D-MZC-2P | 150D-MZC-2P | 190D-MZC-2P | 210D-MZC-2P |
| COMPRESSOR | Туре | Tandem Scroll | Tandem Scroll | Tandom Caroll | | | D-4 |
| | 1,100 | | | Tandem Scroll | Rotary Screw | Rotary Screw | Rotary Screw |
| # OF ZONES | | 2 | 2 | 2 | 2 | 2 | 2 |
| # OF ZONES CAPACITY ² | Tons | 2 73.4 | 2 93.7 | 2 119.5 | 2 146 | 2 188 | 2 204 |
| CAPACITY ² | Tons KW | 2 73.4 257.6 | 2 93.7 328.7 | 2 119.5 419.3 | 2 146 513.4 | 2 188 661.1 | 2 204 717.4 |
| | Tons KW # of FANS | 2 73.4 257.6 8 | 93.7 328.7 8 | 2 119.5 419.3 10 | 2 146 513.4 14 | 2 188 661.1 14 | 2 204 717.4 14 |
| CAPACITY ² CONDENSER | Tons KW # of FANS MODEL | 2 73.4 257.6 8 (2)064 | 2 93.7 328.7 8 (2)079 | 2 119.5 419.3 10 (2)095 | 2 146 513.4 14 (2)115 | 2 188 661.1 14 (2)135 | 2 204 717.4 14 (2)135 |
| CAPACITY ² CONDENSER EVAPORATOR | Tons KW # of FANS | 2 73.4 257.6 8 (2)064 Brazed Plate | 2 93.7 328.7 8 (2)079 Brazed Plate | 2 119.5 419.3 10 (2)095 Brazed Plate | 2 146 513.4 14 (2)115 Shell & Tube | 2 188 661.1 14 (2)135 Shell & Tube | 2 204 717.4 14 (2)135 Shell & Tube |
| CAPACITY ² CONDENSER EVAPORATOR REFRIGERANT ³ | Tons KW # of FANS MODEL TYPE | 2 73.4 257.6 8 (2)064 Brazed Plate HFC-410A | 2 93.7 328.7 8 (2)079 Brazed Plate HFC-410A | 2 119.5 419.3 10 (2)095 Brazed Plate HFC-410A | 2 146 513.4 14 (2)115 Shell & Tube HFC-407C | 2 188 661.1 14 (2)135 Shell & Tube HFC-407C | 2 204 717.4 14 (2)135 Shell & Tube HFC-407C |
| CAPACITY ² CONDENSER EVAPORATOR | Tons KW # of FANS MODEL TYPE | 2 73.4 257.6 8 (2)064 Brazed Plate HFC-410A | 2 93.7 328.7 8 (2)079 Brazed Plate HFC-410A | 2 119.5 419.3 10 (2)095 Brazed Plate HFC-410A 20 | 2 146 513.4 14 (2)115 Shell & Tube HFC-407C 25 | 2 188 661.1 14 (2)135 Shell & Tube HFC-407C 30 | 2 204 717.4 14 (2)135 Shell & Tube HFC-407C 30 |
| CAPACITY ² CONDENSER EVAPORATOR REFRIGERANT ³ | Tons KW # of FANS MODEL TYPE HP GPM | 2 73.4 257.6 8 (2)064 Brazed Plate HFC-410A 10 | 2 93.7 328.7 8 (2)079 Brazed Plate HFC-410A 15 240 | 2 119.5 419.3 10 (2)095 Brazed Plate HFC-410A 20 288 | 2 146 513.4 14 (2)115 Shell & Tube HFC-407C 25 350 | 2 188 661.1 14 (2)135 Shell & Tube HFC-407C 30 451 | 2 204 717.4 14 (2)135 Shell & Tube HFC-407C 30 490 |
| CAPACITY ² CONDENSER EVAPORATOR REFRIGERANT ³ PROCESS PUMP | Tons KW # of FANS MODEL TYPE HP GPM PSI (water) | 2 73.4 257.6 8 (2)064 Brazed Plate HFC-410A 10 192 | 2 93.7 328.7 8 (2)079 Brazed Plate HFC-410A 15 240 | 2 119.5 419.3 10 (2)095 Brazed Plate HFC-410A 20 288 69 | 2 146 513.4 14 (2)115 Shell & Tube HFC-407C 25 350 60 | 2 188 661.1 14 (2)135 Shell & Tube HFC-407C 30 451 | 2 204 717.4 14 (2)135 Shell & Tube HFC-407C 30 490 |
| CAPACITY ² CONDENSER EVAPORATOR REFRIGERANT ³ | Tons KW # of FANS MODEL TYPE HP GPM PSI (water) HP | 2 73.4 257.6 8 (2)064 Brazed Plate HFC-410A 10 | 2 93.7 328.7 8 (2)079 Brazed Plate HFC-410A 15 240 70 7.5 | 2 119.5 419.3 10 (2)095 Brazed Plate HFC-410A 20 288 69 7.5 | 2 146 513.4 14 (2)115 Shell & Tube HFC-407C 25 350 60 10 | 2 188 661.1 14 (2)135 Shell & Tube HFC-407C 30 451 | 2 204 717.4 14 (2)135 Shell & Tube HFC-407C 30 490 |
| CAPACITY ² CONDENSER EVAPORATOR REFRIGERANT ³ PROCESS PUMP EVAPORATOR PUMP | Tons KW # of FANS MODEL TYPE HP GPM PSI (water) | 2 73.4 257.6 8 (2)064 Brazed Plate HFC-410A 10 192 60 5 | 2 93.7 328.7 8 (2)079 Brazed Plate HFC-410A 15 240 70 7.5 | 2 119.5 419.3 10 (2)095 Brazed Plate HFC-410A 20 288 69 7.5 | 2 146 513.4 14 (2)115 Shell & Tube HFC-407C 25 350 60 10 | 2 188 661.1 14 (2)135 Shell & Tube HFC-407C 30 451 60 15 | 2 204 717.4 14 (2)135 Shell & Tube HFC-407C 30 490 60 15 |
| CAPACITY ² CONDENSER EVAPORATOR REFRIGERANT ³ PROCESS PUMP EVAPORATOR PUMP STANDBY PUMP ⁴ | Tons KW # of FANS MODEL TYPE HP GPM PSI (water) HP GPM | 2 73.4 257.6 8 (2)064 Brazed Plate HFC-410A 10 192 60 5 | 2 93.7 328.7 8 (2)079 Brazed Plate HFC-410A 15 240 70 7.5 240 A | 2 119.5 419.3 10 (2)095 Brazed Plate HFC-410A 20 288 69 7.5 288 A | 2 146 513.4 14 (2)115 Shell & Tube HFC-407C 25 350 60 10 350 A | 2 188 661.1 14 (2)135 Shell & Tube HFC-407C 30 451 60 15 | 2 204 717.4 14 (2)135 Shell & Tube HFC-407C 30 490 60 15 490 A |
| CAPACITY ² CONDENSER EVAPORATOR REFRIGERANT ³ PROCESS PUMP EVAPORATOR PUMP | Tons KW # of FANS MODEL TYPE HP GPM PSI (water) HP GPM GALLONS | 2 73.4 257.6 8 (2)064 Brazed Plate HFC-410A 10 192 60 5 192 A | 2 93.7 328.7 8 (2)079 Brazed Plate HFC-410A 15 240 70 7.5 240 A | 2 119.5 419.3 10 (2)095 Brazed Plate HFC-410A 20 288 69 7.5 288 A | 2 146 513.4 14 (2)115 Shell & Tube HFC-407C 25 350 60 10 350 A | 2 188 661.1 14 (2)135 Shell & Tube HFC-407C 30 451 60 15 451 A | 2 204 717.4 14 (2)135 Shell & Tube HFC-407C 30 490 60 15 490 A |
| CAPACITY ² CONDENSER EVAPORATOR REFRIGERANT ³ PROCESS PUMP EVAPORATOR PUMP STANDBY PUMP ⁴ TANK | Tons KW # of FANS MODEL TYPE HP GPM PSI (water) HP GPM GALLONS CONSTRUCTION ⁵ | 2 73.4 257.6 8 (2)064 Brazed Plate HFC-410A 10 192 60 5 192 A 350 SS | 2 93.7 328.7 8 (2)079 Brazed Plate HFC-410A 15 240 70 7.5 240 A 350 SS | 2 119.5 419.3 10 (2)095 Brazed Plate HFC-410A 20 288 69 7.5 288 A 350 SS | 2 146 513.4 14 (2)115 Shell & Tube HFC-407C 25 350 60 10 350 A 900 SS | 2 188 661.1 14 (2)135 Shell & Tube HFC-407C 30 451 60 15 451 A 900 SS | 2 204 717.4 14 (2)135 Shell & Tube HFC-407C 30 490 60 15 490 A 900 SS |
| CAPACITY ² CONDENSER EVAPORATOR REFRIGERANT ³ PROCESS PUMP EVAPORATOR PUMP STANDBY PUMP ⁴ TANK CONTROL | Tons KW # of FANS MODEL TYPE HP GPM PSI (water) HP GPM GALLONS CONSTRUCTION ⁵ NPT / FLANGED | 2 73.4 257.6 8 (2)064 Brazed Plate HFC-410A 10 192 60 5 192 A 350 SS | 2 93.7 328.7 8 (2)079 Brazed Plate HFC-410A 15 240 70 7.5 240 A 350 SS 4" F | 2 119.5 419.3 10 (2)095 Brazed Plate HFC-410A 20 288 69 7.5 288 A 350 SS | 2 146 513.4 14 (2)115 Shell & Tube HFC-407C 25 350 60 10 350 A 900 SS 6" F | 2 188 661.1 14 (2)135 Shell & Tube HFC-407C 30 451 60 15 451 A 900 SS 6" F | 2 204 717.4 14 (2)135 Shell & Tube HFC-407C 30 490 60 15 490 A 900 SS 6" F |
| CAPACITY ² CONDENSER EVAPORATOR REFRIGERANT ³ PROCESS PUMP EVAPORATOR PUMP STANDBY PUMP ⁴ TANK | Tons KW # of FANS MODEL TYPE HP GPM PSI (water) HP GPM GALLONS CONSTRUCTIONS NPT / FLANGED STANDARD | 2 73.4 257.6 8 (2)064 Brazed Plate HFC-410A 10 192 60 5 192 A 350 SS 4" F | 2 93.7 328.7 8 (2)079 Brazed Plate HFC-410A 15 240 70 7.5 240 A 350 SS 4" F | 2 119.5 419.3 10 (2)095 Brazed Plate HFC-410A 20 288 69 7.5 288 A 350 SS 4" F | 2 146 513.4 14 (2)115 Shell & Tube HFC-407C 25 350 60 10 350 A 900 SS 6" F MZC | 2 188 661.1 14 (2)135 Shell & Tube HFC-407C 30 451 60 15 451 A 900 SS 6" F MZC | 2 204 717.4 14 (2)135 Shell & Tube HFC-407C 30 490 60 15 490 A 900 SS 6" F MZC |
| CAPACITY ² CONDENSER EVAPORATOR REFRIGERANT ³ PROCESS PUMP EVAPORATOR PUMP STANDBY PUMP ⁴ TANK CONTROL | Tons KW # of FANS MODEL TYPE HP GPM PSI (water) HP GPM GALLONS CONSTRUCTION ⁵ NPT / FLANGED STANDARD HEIGHT | 2 73.4 257.6 8 (2)064 Brazed Plate HFC-410A 10 192 60 5 192 A 350 SS 4" F MZC 99 | 2 93.7 328.7 8 (2)079 Brazed Plate HFC-410A 15 240 70 7.5 240 A 350 SS 4" F MZC 99 | 2 119.5 419.3 10 (2)095 Brazed Plate HFC-410A 20 288 69 7.5 288 A 350 SS 4" F MZC 99 | 2 146 513.4 14 (2)115 Shell & Tube HFC-407C 25 350 60 10 350 A 900 SS 6" F MZC 99 | 2 188 661.1 14 (2)135 Shell & Tube HFC-407C 30 451 60 15 451 A 900 SS 6" F MZC 99 | 2 204 717.4 14 (2)135 Shell & Tube HFC-407C 30 490 60 15 490 A 900 SS 6° F MZC 99 |
| CAPACITY ² CONDENSER EVAPORATOR REFRIGERANT ³ PROCESS PUMP EVAPORATOR PUMP STANDBY PUMP ⁴ TANK CONTROL DIMENSIONS ⁶ (inches) | Tons KW # of FANS MODEL TYPE HP GPM PSI (water) HP GPM GALLONS CONSTRUCTION 5 NPT / FLANGED STANDARD HEIGHT WIDTH | 2 73.4 257.6 8 (2)064 Brazed Plate HFC-410A 10 192 60 5 192 A 350 SS 4" F MZC 99 | 2 93.7 328.7 8 (2)079 Brazed Plate HFC-410A 15 240 70 7.5 240 A 350 SS 4" F MZC 99 | 2 119.5 419.3 10 (2)095 Brazed Plate HFC-410A 20 288 69 7.5 288 A 350 SS 4" F MZC 99 | 2 146 513.4 14 (2)115 Shell & Tube HFC-407C 25 350 60 10 350 A 900 SS 6" F MZC 99 | 2 188 661.1 14 (2)135 Shell & Tube HFC-407C 30 451 60 15 451 A 900 SS 6° F MZC 99 96 | 2 204 717.4 14 (2)135 Shell & Tube HFC-407C 30 490 60 15 490 A 900 SS 6" F MZC 99 |
| CAPACITY ² CONDENSER EVAPORATOR REFRIGERANT ³ PROCESS PUMP EVAPORATOR PUMP STANDBY PUMP ⁴ TANK CONTROL | Tons KW # of FANS MODEL TYPE HP GPM PSI (water) HP GPM GALLONS CONSTRUCTION ⁵ NPT / FLANGED STANDARD HEIGHT WIDTH LENGTH | 2 73.4 257.6 8 (2)064 Brazed Plate HFC-410A 10 192 60 5 192 A 350 SS 4" F MZC 99 96 240 | 2 93.7 328.7 8 (2)079 Brazed Plate HFC-410A 15 240 70 7.5 240 A 350 SS 4" F MZC 99 96 240 | 2 119.5 419.3 10 (2)095 Brazed Plate HFC-410A 20 288 69 7.5 288 A 350 SS 4" F MZC 99 96 296 | 2 146 513.4 14 (2)115 Shell & Tube HFC-407C 25 350 60 10 350 A 900 SS 6" F MZC 99 96 360 | 2 188 661.1 14 (2)135 Shell & Tube HFC-407C 30 451 60 15 451 A 900 SS 6" F MZC 99 96 408 | 2 204 717.4 14 (2)135 Shell & Tube HFC-407C 30 490 60 15 490 A 900 SS 6" F MZC 99 96 408 |
| CAPACITY ² CONDENSER EVAPORATOR REFRIGERANT ³ PROCESS PUMP EVAPORATOR PUMP STANDBY PUMP ⁴ TANK CONTROL DIMENSIONS ⁶ (inches) SYSTEM AMPERAGE ⁷ | Tons KW # of FANS MODEL TYPE HP GPM PSI (water) HP GPM GALLONS CONSTRUCTIONS NPT / FLANGED STANDARD HEIGHT WIDTH LENGTH FLA (460v) | 2 73.4 257.6 8 (2)064 Brazed Plate HFC-410A 10 192 60 5 192 A 350 SS 4" F MZC 99 96 240 193.2 | 2 93.7 328.7 8 (2)079 Brazed Plate HFC-410A 15 240 70 7.5 240 A 350 SS 4" F MZC 99 96 240 253.2 | 2 119.5 419.3 10 (2)095 Brazed Plate HFC-410A 20 288 69 7.5 288 A 350 SS 4" F MZC 99 96 296 327.6 | 2 146 513.4 14 (2)115 Shell & Tube HFC-407C 25 350 60 10 350 A 900 SS 6" F MZC 99 96 360 415 | 2 188 661.1 14 (2)135 Shell & Tube HFC-407C 30 451 60 15 451 A 900 SS 6" F MZC 99 96 408 470 | 2 204 717.4 14 (2)135 Shell & Tube HFC-407C 30 490 60 15 490 A 900 SS 6" F MZC 99 96 408 542 |
| CAPACITY ² CONDENSER EVAPORATOR REFRIGERANT ³ PROCESS PUMP EVAPORATOR PUMP STANDBY PUMP ⁴ TANK CONTROL DIMENSIONS ⁶ (inches) | Tons KW # of FANS MODEL TYPE HP GPM PSI (water) HP GPM GALLONS CONSTRUCTIONS NPT / FLANGED STANDARD HEIGHT WIDTH LENGTH FLA (460v) RLA (460v) | 2 73.4 257.6 8 (2)064 Brazed Plate HFC-410A 10 192 60 5 192 A 350 SS 4" F MZC 99 96 240 193.2 169.4 | 2 93.7 328.7 8 (2)079 Brazed Plate HFC-410A 15 240 70 7.5 240 A 350 SS 4" F MZC 99 96 240 253.2 215.2 | 2 119.5 419.3 10 (2)095 Brazed Plate HFC-410A 20 288 69 7.5 288 A 350 SS 4" F MZC 99 96 296 327.6 263.4 | 2 146 513.4 14 (2)115 Shell & Tube HFC-407C 25 350 60 10 350 A 900 SS 6" F MZC 99 96 360 | 2 188 661.1 14 (2)135 Shell & Tube HFC-407C 30 451 60 15 451 A 900 SS 6" F MZC 99 96 408 | 2 204 717.4 14 (2)135 Shell & Tube HFC-407C 30 490 60 15 490 A 900 SS 6" F MZC 99 96 408 |
| CAPACITY ² CONDENSER EVAPORATOR REFRIGERANT ³ PROCESS PUMP EVAPORATOR PUMP STANDBY PUMP ⁴ TANK CONTROL DIMENSIONS ⁶ (inches) SYSTEM AMPERAGE ⁷ | Tons KW # of FANS MODEL TYPE HP GPM PSI (water) HP GPM GALLONS CONSTRUCTIONS NPT / FLANGED STANDARD HEIGHT WIDTH LENGTH FLA (460v) | 2 73.4 257.6 8 (2)064 Brazed Plate HFC-410A 10 192 60 5 192 A 350 SS 4" F MZC 99 96 240 193.2 | 2 93.7 328.7 8 (2)079 Brazed Plate HFC-410A 15 240 70 7.5 240 A 350 SS 4" F MZC 99 96 240 253.2 | 2 119.5 419.3 10 (2)095 Brazed Plate HFC-410A 20 288 69 7.5 288 A 350 SS 4" F MZC 99 96 296 327.6 | 2 146 513.4 14 (2)115 Shell & Tube HFC-407C 25 350 60 10 350 A 900 SS 6" F MZC 99 96 360 415 | 2 188 661.1 14 (2)135 Shell & Tube HFC-407C 30 451 60 15 451 A 900 SS 6" F MZC 99 96 408 470 | 2 204 717.4 14 (2)135 Shell & Tube HFC-407C 30 490 60 15 490 A 900 SS 6" F MZC 99 96 408 542 |



since 1989

PRICE & PERFORMANCE... for the LONG TERM

Notes

1. Since product innovation and improvement is our constant goal, all features and specifications are subject to change without notice or liability. Selection of certain optional features may change listed specifications. 2. Tons of capacity at 12,000 Btu/hr/ton @ 50°F LWT @ 115°F condensing temperature. +/- 5% as reserved by compressor manufacturer. 3. This is a non-ozone depleting refrigerant. 4. A = standby pump is available for this model. N/A = Standby pump is not available for this unit. 5. PE = polyethylene reservoirs. SS = stainless steel reservoir. 6. Dimensions are approximate and may change based on options and features selected. Do not use for construction. 7. FLA: full load amps with standard pumps and condenser. RLA: run load amps with standard pumps and condensers may change this rating. Do not use for construction.