ECO_2 Large Transcritical System



KYSOR WARREN
epta refrigeration

Advantages of ECO_2 Series

- Faster lead times
- More economical than custom
- Pre-engineered system
- Highly reliable, repeatable designs

Capabilities of Kysor Warren Epta US

- A world-wide refrigeration leader
- 1000's of installations in 20 years
- Training, start-up and service
- Innovative modules for hot climates

Why Choose a CO_2 System

- Migrate to natural refrigerants early in the phase down process
- Avoid the complexity of refrigerant management regulations
- Low cost, safe, non-flammable refrigerant

Optional Energy Efficiency Modules for Warm Climates - Epta Patented Technologies

- FTE™ – Full temperature efficiency (separate module)
- ETE™ – Enhanced temperature efficiency (most likely can be integrated; uses 1 MT compressor slot)

Optional CO_2 Charge Protector™ - Epta Patented Technology

- Automatic detection of power outage and pressure rise in the flash tank. Connect to a battery back-up or generator.

KYSOR WARREN
epta refrigeration

Applications

- Retail grocery stores
- Convenience stores
- Pharmaceutical/medical
- Process applications

Design Configuration

- Central
- Distributed
- Indoors
- Outdoors

Standard

- Reciprocating compressors: Bitzer
- Suction filter/drier per compressor group
- Air or adiabatic cooler
- High-pressure stainless-steel piping (120-bar pressure on high side; 30/60-bar pressure on MT/LT low side)
- Control system: Copeland, Danfoss
- Coalescing discharge oil separator with sight glasses and liquid level switch
- Phase loss monitor
- Oil and liquid bypass for convenient filter changes
- High pressure expansion valve (HPV)
- Flash gas tank receiver (FG) with low liquid level switch plus sight glasses
- Convenient pressure gauges
- Variable capacity controls on lead compressors
- Manifold pressure relief valves (field installed)
- Factory installed CO_2 leak detection
- Vibration isolators integrated into frame
- Sound proofing
- 208/230V, 460V, 575V
- Superheat MT/LT and liquid injection MT

Optional

- CO_2 Charge Protector™
- Energy Modules - FTE™, ETE™, XTE™
- HPV and FGBV redundancy
- Heat reclaim for water and space heating
- Remote header
- Weather-proof with rain flap

KYSOR WARREN
epta refrigeration

Models	Compressors		Cooling Capacity Mbtu/hr		Weight	Dimensions
Nomenclature	LT x MT	Type	LT	MT	Lbs.	LxWxH (inches)
ECO2L-OD-0-4	0 x 4	Recip	0	881	7000	173 x 52 x 87
ECO2L-OD-2-3	2 x 3	Recip	251	360	7500	173 x 52 x 87
ECO2L-OD-2-4	2 x 4	Recip	251	577	8000	173 x 52 x 87
ECO2L-OD-2-5*	2 x 5	Recip	251	795	8500	173 x 52 x 87
ECO2L-OD-3-4	3 x 4	Recip	377	431	8500	173 x 52 x 87
ECO2L-OD-3-5*	3 x 5	Recip	377	648	9000	173 x 52 x 87

Notes:

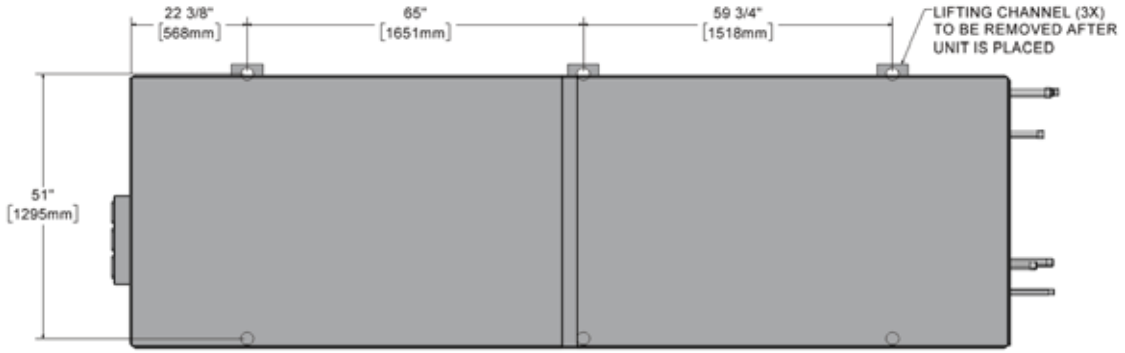
Capacities and electrical data are based on the following: LT: -22°F SST, MT: +18°F SST
Air cooled gas cooler with 100°F outlet temperature; gas cooler is powered separately from rack
For indoor unit, substitute ID for OD.
Panel weight for outdoor units is 1650lbs; subtract for approximate indoor weight

**Not available with ETE module selection*

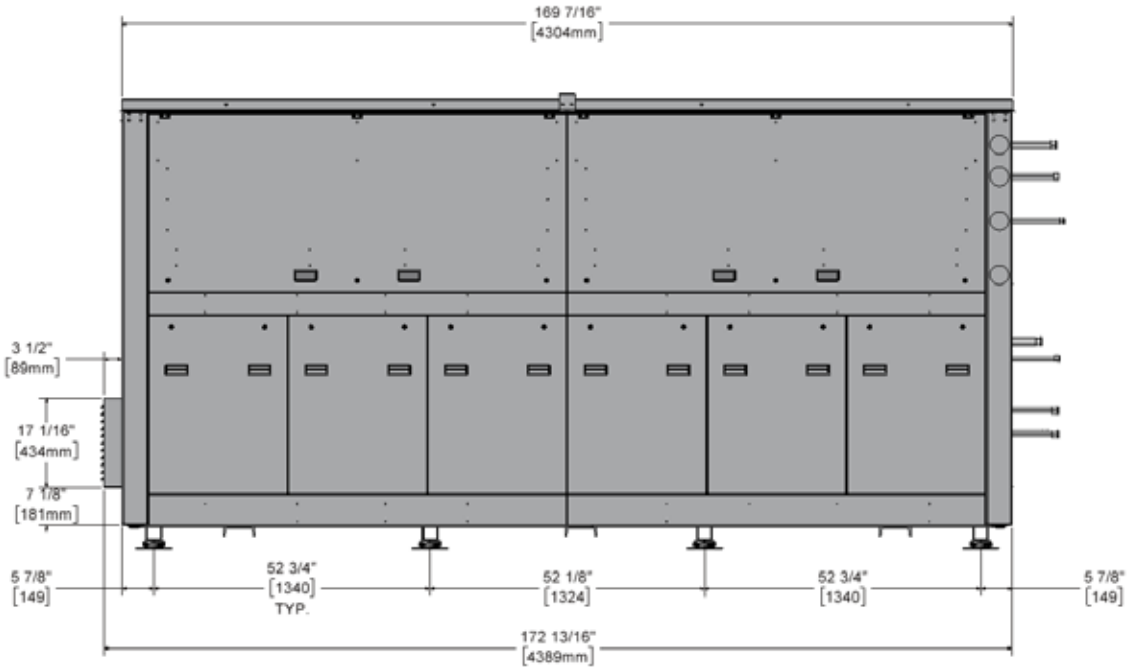




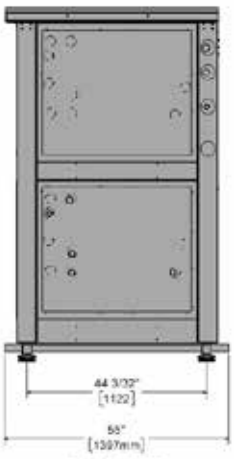

Innovating in CO_2 for the Future



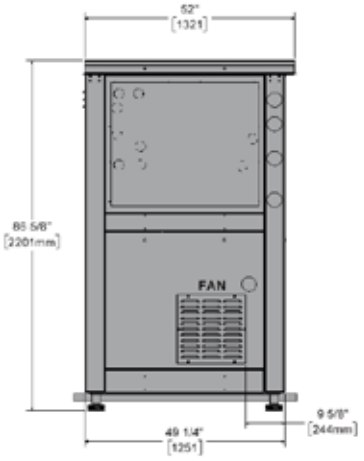
TOP



FRONT



RIGHT SIDE



LEFT SIDE



1 Corporate Ridge Parkway, Columbus, GA 31907,
1-800-866-5596
www.kysorwarren.com