ONS
CONDENSING UNIT

CO_2

TECHNICAL CATALOGUE

AIR-COOLED - VERTICAL DISCHARGE CO_2 TRANSCRITICAL CONDENSING UNIT

R7

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DESIGN IT, WE'LL BUILD IT.

Although this catalogue gives precise and useful product description and capabilities, we recommend the use of our **Nomis** software for a more accurate and up-to-date selection.

Nomis is a web-based refrigeration equipment selection and configuration platform. It can be used from your desktop computer, laptop, tablet or smart-phone. Request a Nomis access and discover just how easy it is to find the right equipment for your needs. Simply select an evaporator from our myriad choices, and then add the options that are right for your project. All technical and pricing information is updated continuously and is right there, at your finger tips.

DESIGN YOUR OWN CONDENSING UNIT

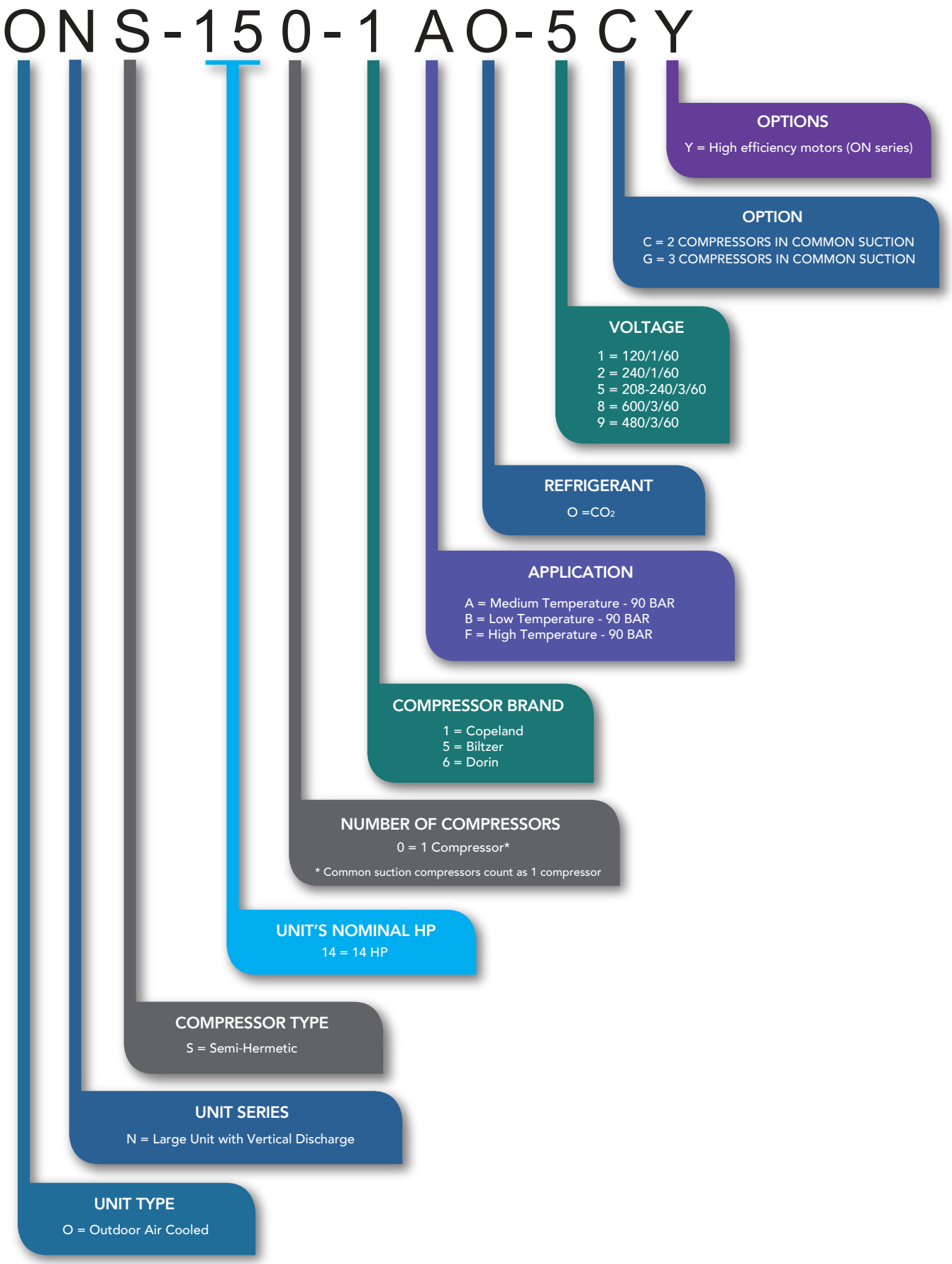
This easy-to-use product selector allows you to build your condensing unit the way you want it:

1. Select Base Configuration
2. Select Options
3. Select Accessories
4. Get a complete quote with prices

You can Print, Email or Share your personalized custom quote as well as select your nearest dealer so they can follow up with you directly.

To request a Nomis Access, simply go to www.refplus.com and click on Tools.

NOMENCLATURE



Product Description

RefPlus' **CO_2 ONS** are vertical discharge, air-cooled CO2 transcritical condensing units available in several sizes. These industrial units are specifically designed to provide cooling to other equipment and systems that incorporate CO_2 1305 psig/90 bar evaporators. ONS models are factory-assembled units that consist of an air-cooled gas cooler, one to three Bitzer, Copeland or Dorin semi-hermetic heavy-duty compressors with a variable frequency drive (VFD), and interconnecting pipe work. They also include a CO_2 receiver (flash tank), heat exchanger(s), optional heat reclaim, filter drier(s), oil separator/reservoir, shut off valves and related controls. Base and weatherproof housing are made from heavy-gauge galvanized with heat-reflective white paint. Unit design follows the best combination of energy efficiency, reliability, serviceability, and cost effectiveness.

All models can be equipped with an optional Opti-Mist+ adiabatic pre-cooling system to increase the unit's capacity and overall efficiency, specially in hot weather.

Each condensing unit includes a control box and a wiring diagram that meets the customer's requirements. The wiring diagram displays all the components with all the protections and the necessary controls. The unit is supplied with electronic controls.

These air-cooled condensing units can be used in a variety of commercial and industrial cooling applications, including cold rooms and warehouses, refrigerated display cabinets, restaurant and grocery store equipment, temperature controlled food preparation areas, and for air conditioning systems.

All-Inclusive CO_2 condensing Units

RefPlus' CO_2 units are complete and ready to be incorporated into a CO_2 system. They are specially designed to supply the perfect balance between capacity, cost-effectiveness and reliability to commercial and industrial walk-in coolers and freezers. They have been designed to provide superior energy efficiency when compared to other CO_2 options or to many other traditional refrigeration alternatives. Each CO_2 unit is designed with precise line sizing to limit pressure losses, increase efficiency and enhance performance.

Operating Pressures

In order to adapt to any operational conditions of current and future market, all models are designed with a MWP of 1741 psig/120 bar on the high side and 1305 psig/90 bar on the low side.

Reliability

RefPlus CO_2 condensing units are subject to a rigorous real-condition testing to ensure that components selected for use with CO_2 are compatible in all aspects.

Controls & Communication

Each unit is controlled by a state-of-the-art PLC controller specifically designed for transcritical CO_2 condensing units. It has remote communication capabilities to access live status of the operational parameters and setpoints through integrated RS485 serial interface connection. Optional graphical views and/or connection through a Building Management System (BMS) is also available.

The CO_2 Advantage

CO_2 is becoming the refrigerant of choice with its zero ODP and a GWP of 1. It is a naturally occurring substance and abundant in the atmosphere. It has many unique thermo-physical properties such as:

- Excellent heat transfer coefficient
- Relatively insensitive to pressure losses
- Very low viscosity
- High Temperature for heat reclaim
- High enthalpy of evaporation (per displaced volume)

CO_2 systems deliver exceptionally high performance with better heat exchange at sub-critical conditions. Additionally, CO_2 systems are very cost effective. CO_2 is a low-cost refrigerant and high-pressure heavy-duty construction greatly reduces refrigerant leak potential.

CO_2 has a very low impact on the environment compared to HFCs, which are under threat from current regulations. It eliminates the use of HFC refrigerants normally required for cooling, generating a much smaller carbon footprint for retailers.

CASING
Unit base, cabinet, gas cooler and fan sections are powder coated heavy-gauge galvanized steel (G90) with plated or stainless-steel hardware. The white paint has reflective properties which help keep the system cool. Cabinets are provided with hinged access door with holder, locks and venting grids. All models include side access panels for easy coil inspection wand cleaning.

COILS
Gas cooler coils are manufactured with seamless, deoxidized, heavy wall, and enhanced copper tubes. They are mechanically expanded in self-spaced, full-collared epoxy aluminum standard deep sine wave plate fins for permanent bond and maximum heat transfer. Connections and bends are brazed with a high temperature, AWS recognized brazing alloy. Coils are factory leak tested at 1741 psig using -40°F/-40°C dew point dry air.

FRICTION-FREE COIL TRACKS®
All tubes sheets are provided with oversized holes and tubes are supported in sliding cushions for friction-free assembly and maximum reliability. Because tubes do not make contact with the frame, they are protected against wear. Free tube expansion allow them to "float" freely.

COMPRESSORS
Available compressors are Bitzer, Copeland or Dorin. Compressors are air and suction cooled, refrigeration duty, accessible semi-hermetic. They are driven by a VFD for a wider range of operation and better adaptation to the required application. Two-stage compressors are available for low-temperature applications. All models are supplied with suction and discharge valves, an oil filter, an oil level regulator, a compressor protection device, crankcase heater and Polyol Ester oil (POE).

FANS
All units are equipped with **high-efficiency** industrial 800mm (31.5") fans. They are designed with a polymer aerodynamic ventury for maximum air-flow dynamics. Seven sickle-shaped fan blades are made from cast aluminum for good corrosion resistance, low weight, excellent airflow output and sound power reduction. Motors are integrated to the fan assembly for vibration-free behaviour and ease of maintenance. All fans have an IP54 protection rating. They allow for low-temperature applications down to -40°F. Motors are permanently lubricated.

First fan(s) are equipped with an ECM modulating-speed motor. Units with multiple fans have one fan with an ECM modulating-speed motor and one or more fans with a single-speed AC motor. ECblue ECM motors are operated by an on/off relay and a 0-10V signal. Airflow output can vary from 20 to 100% and is controlled directly by the unit controller.

All motors are available for 208/240/3/60, 480/3/60 or 575/3/60 volts. ECM motors on all fans are available for all voltage except for 575V (first fan(s) only).

CONTROL PANELS
Control panels are complete with main smart controller, expansion board (when required), terminal blocks, control transformer, control circuit fuses, compressor/fan contactors/relays, and a non-adjustable high pressure switch with remote manual reset button. The wires are numbered and colour-coded. All terminal blocks are identified and match the wiring diagram.

FLASH TANK (RECEIVER)
Flash tank is CRN and ASME "U" stamped, insulated and is supplied with relief valves. It has inlet and outlet shut-off ball valves with integrated check valve.

CONNECTIONS
Connections are copper-iron, compatible with copper-iron fittings available in the industry. Larger models have stainless steel connection. Smaller models can also have stainless steel connections if required.

REFRIGERATION COPPER-IRON AND STAINLESS STEEL TUBES
Refrigeration tubes are manufactured with the minimum number of fittings and brazed joints to reduce the risk of leaks.

FACTORY TESTS
All CO_2 units are electrically and mechanically tested. A Dielectric Voltage Withstand Strength Test is done on all units. The compressor is energized, and all controls on each unit are factory tested. Refrigeration piping is leak tested using modern Hydrogen detection and the system is pressurized and sealed with 40 psig, -40°F/-40°C dew point nitrogen.

STANDARD FEATURES

- Painted heavy-gauge galvanized steel base (G90)
- Painted galvanized steel outdoor protective cabinet for extreme conditions (-40°F / -40°C). White reflective paint for added energy savings
- Gas cooler side panels with access doors
- Up to 3 refrigeration duty semi-hermetic compressors (14 to 35 nominal HP each)
- Low, medium and high temperature applications
- Up to 3 compressors in common suction
- Two-stage compressor for low-temperature applications
- 1305 psig/90 bar low-side with no need for any auxiliary cooling unit at stand-still/off-time condition
- Crankcase heaters
- Oil separator heaters
- Friction-free coil tracks®
- Individually baffled fan sections
- Standard epoxy fins - doubles gas cooler service life and makes maintenance easier (hydrophobic)
- Single point electrical connection
- Split electrical control panel complete with compressor/fan contactor, control transformer, and terminal block. High-voltage is separated from low voltage
- PLC controller
- Compressor discharge check valve
- High-pressure CO_2 flash tank (1305 psig/90 bar)
- Coalescent oil separator/reservoir combined unit
- Stainless steel suction and discharge line on the compressor(s) with long radius and no couplings (prevents leaks)
- Suction accumulator (MAWP: 1305 psig/90 bar) when required (standard on low-temperature units only)
- Single refrigeration circuit
- Liquid line kit (drier & sight glass)

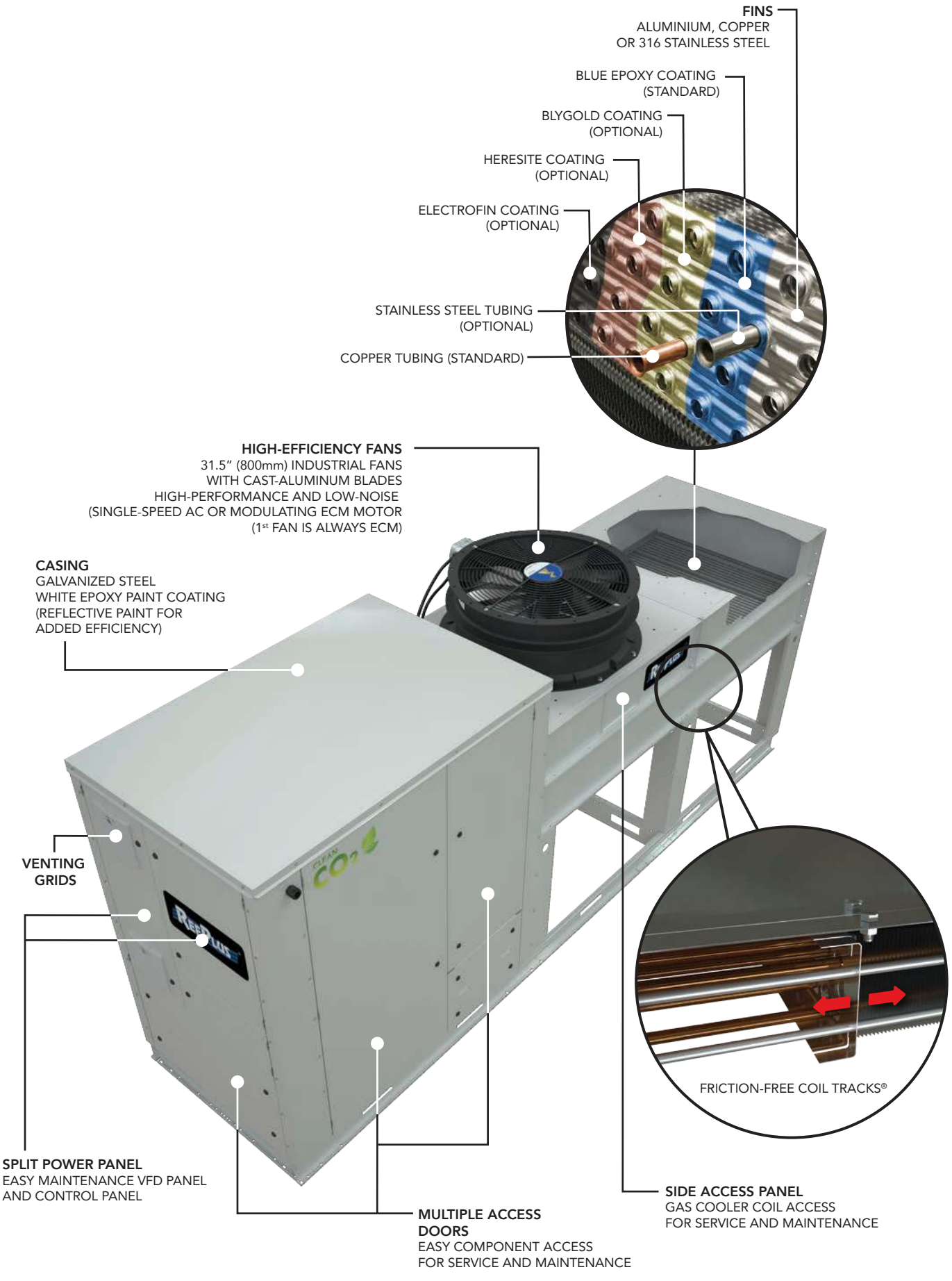
FAN FEATURES

- 31.5" (800mm) high-efficiency industrial fan
- Polymer aerodynamic venturi
- Cast-aluminum blades
- ECM modulating-speed fan motor for first fan
- AC fan motor for other fan(s)
- Standard 2-year warranty on fan motor assembly
- Excellent sound levels - as low as 51 DBA for a one-fan unit
- Permanently lubricated

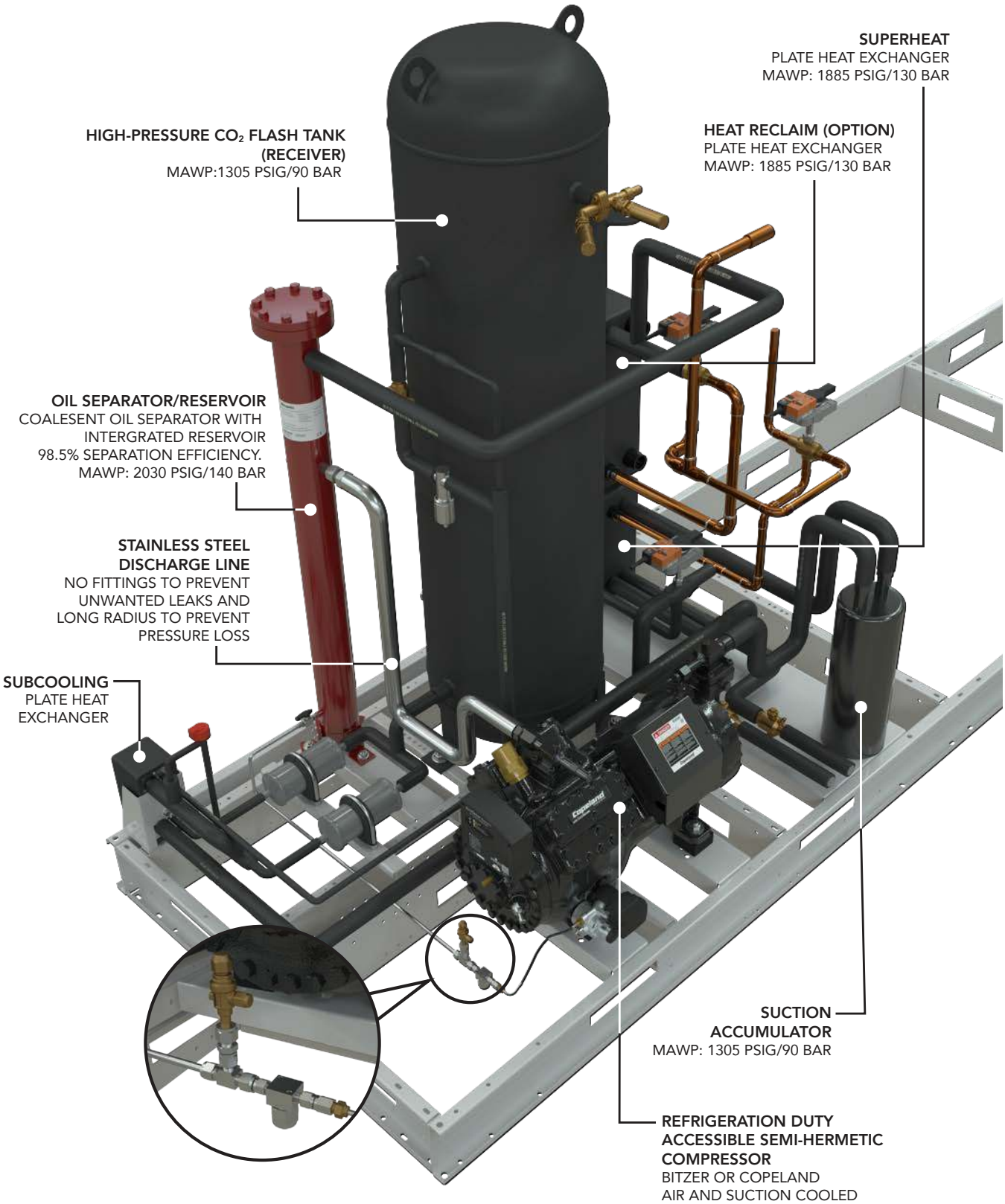
OPTIONAL FEATURES

- Adiabatic pre-cooling system (with pumping station) - for added efficiency, specially in warmer weather
- Heat-reclaim system
- Coil Coating (Blygold, Heresite or Electrofin)
- Terminal block for remote access
- Oversized flash tank (receiver)
- Suction accumulator (MAWP: 1305 psig/90 bar) when required (optional on medium & high-temperature units only)
- Extended cabinet
- 4-year extended warranty on compressors
- Defrost kit
- Fused or non-fused disconnect
- ECM on all fans
- Leak detector

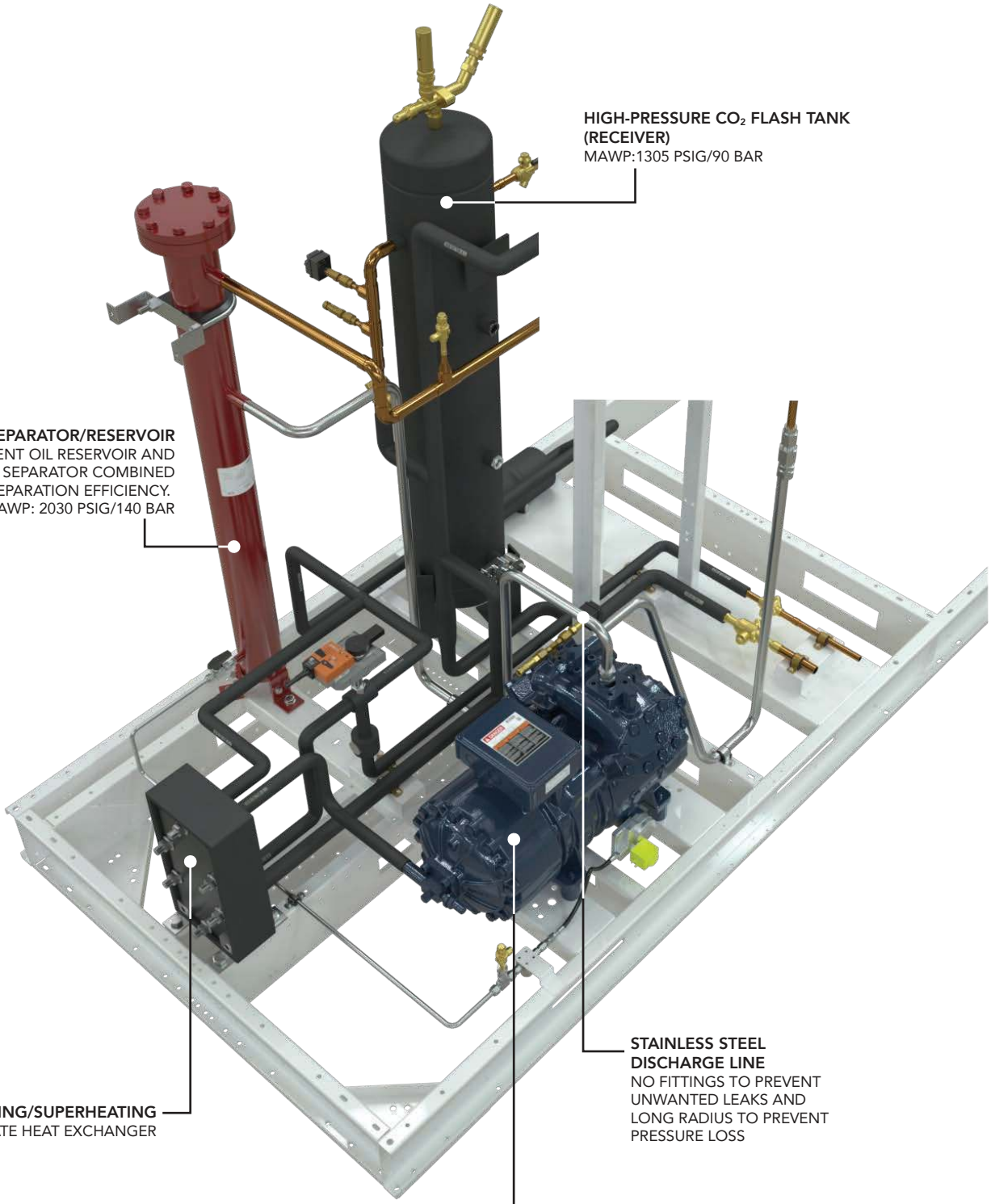
Standard & Optional Features



Standard & Optional Features - Medium & High Temp.



Standard & Optional Features - Low Temp. 2-Stage Dorin Compressor



HIGH-PRESSURE CO_2 FLASH TANK (RECEIVER)
MAWP:1305 PSIG/90 BAR

OIL SEPARATOR/RESERVOIR
COALESENT OIL RESERVOIR AND OIL SEPARATOR COMBINED
98.5% SEPARATION EFFICIENCY.
MAWP: 2030 PSIG/140 BAR

SUBCOOLING/SUPERHEATING
PLATE HEAT EXCHANGER

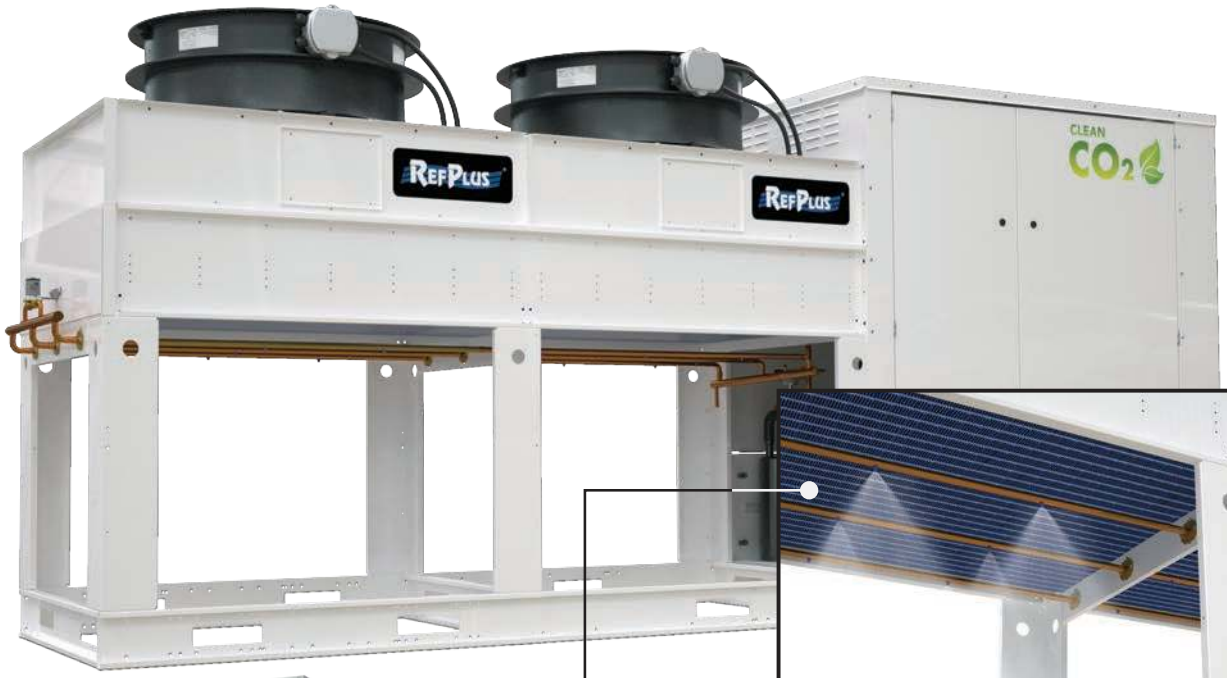
STAINLESS STEEL DISCHARGE LINE
NO FITTINGS TO PREVENT UNWANTED LEAKS AND LONG RADIUS TO PREVENT PRESSURE LOSS

REFRIGERATION DUTY ACCESSIBLE SEMI-HERMETIC DORIN 2-STAGE COMPRESSOR
AIR AND SUCTION COOLED
.

Opti-Mist Plus®

The Opti-Mist+ adiabatic pre-cooling system is available as an option on all models. It significantly increases the unit's capacity and overall efficiency. It uses a natural air-cooling process by evaporating a small amount of water to pre-cool air entering the heat exchanger.

A system of headers with atomizing nozzles generates a fog of ultra-fine water droplets in the entering air of the unit. A modulating control (20 to 100%) will adjust the air cooling to the application requirements, thus reducing the amount of water used. Moreover, Opti-Mist+ completely eliminates the proliferation of bacteria, including legionella. The system is supplied with a fully automated PLC controlled filtration and pumping station. Pumping station cabinet must be installed indoors.



RUSTPROOF BLUE EPOXY-COATED ALUMINUM FINS FOR AN EXTENDED SERVICE LIFE WHILE IMPROVING THE EVACUATION OF RESIDUAL WATER.

OPTIMIZED NOZZLES FOR A UNIFORM MIST DISTRIBUTION
120° SPRAY
NO AIR FLOW RESTRICTION - **NO PADS REQUIRED**

FULLY AUTOMATED PLC CONTROLLED FILTRATION & PUMPING STATION:
PARTICLE FILTER
DEMINERALIZATION SYSTEM (ANTI-SCALING)
ANTIMICROBIAL UV LIGHT

CAPACITIES — MEDIUM TEMPERATURE @ 90 BAR - BITZER COMPRESSOR (150 TO 750)

COMPRESSOR MODEL	AMBIENT AIR TEMPERATURE*	CAPACITY (MBH) SATURATED SUCTION TEMPERATURE (°F) 15°F	20°F	25°F	CONNECTION MATERIAL	LINE SIZE (INCHES) SUCTION	LIQUID	RECEIVER MAXIMUM CHARGE (LB.)	SHIPPING WEIGHT (LB.)
150-5AO 4HTE-15K	75°F	117	129	143	Cu-Fe	7/8	5/8	118	3,926
	80°F	110	121	134					
	85°F	103	114	126					
	90°F	98	108	120					
	95°F	91.8	102	112					
	100°F	84.9	94	104					
200-5AO 4FTE-20K	75°F	173	191	210	Cu-Fe	7/8	7/8	168	4,132
	80°F	161	179	197					
	85°F	152	168	185					
	90°F	143	159	175					
	95°F	133	148	163					
	100°F	123	136	150					
250-5AO 4DTE-25K	75°F	222	243	266	Cu-Fe	1 1/8	7/8	225	4,538
	80°F	207	228	249					
	85°F	195	214	234					
	90°F	184	202	221					
	95°F	204	224	206					
	100°F	158	173	190					
300-5AO 4CTE-30K	75°F	262	287	314	Cu-Fe	1 1/8	7/8	290	5,408
	80°F	245	266	291					
	85°F	230	253	277					
	90°F	218	239	262					
	95°F	204	224	245					
	100°F	188	206	226					
400-5AO (2) 4FTE-20K	75°F	345	381	420	Cu-Fe	1 1/8	1 1/8	565	7,991
	80°F	323	357	394					
	85°F	303	335	370					
	90°F	286	317	350					
	95°F	267	296	327					
	100°F	245	272	301					
500-5AO (2) 4DTE-25K	75°F	444	486	532	SS	1 1/4	1	565	8,512
	80°F	414	456	498					
	85°F	389	428	468					
	90°F	368	404	442					
	95°F	343	377	412					
	100°F	315	347	380					
600-5AO (2) 4CTE-30K	75°F	524	574	628	SS	1 1/4	1	565	9,163
	80°F	490	538	588					
	85°F	460	506	554					
	90°F	436	478	524					
	95°F	408	448	490					
	100°F	376	412	452					
750-5AO (3) 4DTE-25K	75°F	666	729	798	SS	1 1/4	1	565	10,402
	80°F	621	684	747					
	85°F	584	642	702					
	90°F	552	606	663					
	95°F	514	565	618					
	100°F	473	520	570					

*For higher temperatures, adiabatic pre-cooling option must be used.
*With adiabatic pre-cooling option, ambient air temperature in above table is equal to the resultant air dry-bulb temperature at the coil inlet. For example, if air with Dry-Bulb Temperature = 90°F and Wet-Bulb Temperature = 70°F passes through the adiabatic system with 80% efficiency, the resultant ambient air temperature at the coil will be 74°F.
25°F superheat at compressor(s)
10°F superheat at evaporator(s)

HIGH TEMPERATURE @ 90 BAR - BITZER COMPRESSOR (200 TO 600)

COMPRESSOR MODEL	AMBIENT AIR TEMPERATURE*	CAPACITY (MBH) SATURATED SUCTION TEMPERATURE (°F) 25°F	30°F	35°F	37°F (MAX)	CONNECTION MATERIAL	LINE SIZE (INCHES) SUCTION	LIQUID	RECEIVER MAXIMUM CHARGE (LB.)	SHIPPING WEIGHT (LB.)
200-5FO 4HTE-20K	75°F	142	157	172	179	Cu-Fe	7/8	7/8	168	4,056
	80°F	133	147	161	168					
	85°F	125	138	152	158					
	90°F	119	131	144	149					
	95°F	111	122	134	140					
	100°F	102	113	124	129					
300-5FO 4FTE-30K	75°F	213	233	254	263	Cu-Fe	7/8	7/8	225	4,317
	80°F	199	218	239	247					
	85°F	188	206	225	233					
	90°F	178	195	214	221					
	95°F	167	183	200	208					
	100°F	154	169	185	192					
400-5FO (2) 4HTE-20K	75°F	285	313	344	358	Cu-Fe	1 1/8	1 1/8	368	6,317
	80°F	266	293	322	335					
	85°F	250	276	303	315					
	90°F	237	261	287	298					
	95°F	222	244	269	279					
	100°F	204	225	248	258					
600-5FO (2) 4FTE-30K	75°F	426	466	508	526	Cu-Fe	1 1/8	1 1/8	368	8,561
	80°F	399	436	478	494					
	85°F	376	412	450	466					
	90°F	356	391	428	442					
	95°F	334	366	400	416					
	100°F	309	338	370	384					

*For higher temperatures, adiabatic pre-cooling option must be used.

*With adiabatic pre-cooling option, ambient air temperature in above table is equal to the resultant air dry-bulb temperature at the coil inlet. For example, if air with Dry-Bulb Temperature = 90°F and Wet-Bulb Temperature = 70°F passes through the adiabatic system with 80% efficiency, the resultant ambient air temperature at the coil will be 74°F.

25°F superheat at compressor(s)

10°F superheat at evaporator(s)

MEDIUM TEMPERATURE @ 90 BAR - COPELAND COMPRESSOR (140 TO 400)

COMPRESSOR MODEL	AMBIENT AIR TEMPERATURE*	CAPACITY (MBH) SATURATED SUCTION TEMPERATURE (°F)			CONNECTION MATERIAL	LINE SIZE (INCHES)		RECEIVER MAXIMUM CHARGE (LB.)	SHIPPING WEIGHT (LB.)
		15°F	20°F	25°F		SUCTION	LIQUID		
140-1AO 4MTLS11ME	75°F	119	132	146	Cu-Fe	7/8	5/8	118	3,897
	80°F	111	126	137					
	85°F	104	116	129					
	90°F	98.1	109	121					
	95°F	91.2	102	113					
	100°F	83.9	93.5	104					
200-1AO 4MTLS15ME	75°F	175	193	213	Cu-Fe	7/8	7/8	168	4,091
	80°F	164	181	200					
	85°F	154	170	188					
	90°F	145	161	178					
	95°F	135	150	166					
	100°F	125	138	153					
240-1AO 4MTLS20ME	75°F	213	236	260	Cu-Fe	1 1/8	7/8	225	4,732
	80°F	200	221	244					
	85°F	188	208	229					
	90°F	178	197	217					
	95°F	166	184	202					
	100°F	153	169	187					
290-1AO 4MTLS22ME	75°F	255	280	307	Cu-Fe	1 1/8	7/8	290	5,596
	80°F	239	263	288					
	85°F	225	247	271					
	90°F	212	234	256					
	95°F	198	218	239					
	100°F	183	201	221					
340-1AO 4MTLS28ME	75°F	306	336	369	Cu-Fe	1 1/8	7/8	368	6,000
	80°F	287	316	346					
	85°F	270	297	325					
	90°F	255	280	308					
	95°F	238	262	287					
	100°F	219	241	265					
400-1AO (2) 4MTLS15ME	75°F	349	386	426	Cu-Fe	1 1/8	1 1/8	565	7,901
	80°F	327	362	400					
	85°F	307	340	375					
	90°F	290	321	355					
	95°F	270	300	331					
	100°F	249	276	305					

*For higher temperatures, adiabatic pre-cooling option must be used.
*With adiabatic pre-cooling option, ambient air temperature in above table is equal to the resultant air dry-bulb temperature at the coil inlet. For example, if air with Dry-Bulb Temperature = 90°F and Wet-Bulb Temperature = 70°F passes through the adiabatic system with 80% efficiency, the resultant ambient air temperature at the coil will be 74°F.
25°F superheat at compressor(s)
10°F superheat at evaporator(s)

MEDIUM TEMPERATURE @ 90 BAR - COPELAND COMPRESSOR (480 TO 720)

COMPRESSOR MODEL	AMBIENT AIR TEMPERATURE*	CAPACITY (MBH)			CONNECTION MATERIAL	LINE SIZE (INCHES)		RECEIVER MAXIMUM CHARGE (LB.)	SHIPPING WEIGHT (LB.)
		SATURATED SUCTION TEMPERATURE (°F)				SUCTION	LIQUID		
		15°F	20°F	25°F					
480-1AO (2) 4MTLS20ME	75°F	426	472	520	SS	1 1/4	1	565	8,772
	80°F	400	442	488					
	85°F	376	416	458					
	90°F	355	393	434					
	95°F	331	367	404					
	100°F	305	338	373					
580-1AO (2) 4MTLS22ME	75°F	510	560	614	SS	1 1/4	1	565	9,616
	80°F	478	526	576					
	85°F	450	494	542					
	90°F	424	468	512					
	95°F	396	436	478					
	100°F	365	402	442					
600-1AO (3) 4MTLS15ME	75°F	524	579	639	SS	1 1/4	1	565	9,796
	80°F	491	543	599					
	85°F	461	510	563					
	90°F	435	482	533					
	95°F	405	450	497					
	100°F	374	414	458					
680-1AO (2) 4MTLS28ME	75°F	612	672	738	SS	1 1/4	1	565	9,952
	80°F	574	632	692					
	85°F	540	594	650					
	90°F	510	560	616					
	95°F	476	524	574					
	100°F	438	482	530					
720-1AO (3) 4MTLS20ME	75°F	639	708	780	SS	1 1/4	1	565	10,935
	80°F	600	663	732					
	85°F	564	624	687					
	90°F	533	590	651					
	95°F	497	551	606					
	100°F	458	507	560					

*For higher temperatures, adiabatic pre-cooling option must be used.

*With adiabatic pre-cooling option, ambient air temperature in above table is equal to the resultant air dry-bulb temperature at the coil inlet. For example, if air with Dry-Bulb Temperature = 90°F and Wet-Bulb Temperature = 70°F passes through the adiabatic system with 80% efficiency, the resultant ambient air temperature at the coil will be 74°F.

25°F superheat at compressor(s)

10°F superheat at evaporator(s)

CAPACITIES — HIGH TEMPERATURE @ 90 BAR - COPELAND COMPRESSOR (140 TO 600)

COMPRESSOR MODEL	AMBIENT AIR TEMPERATURE*	CAPACITY (MBH) SATURATED SUCTION TEMPERATURE (°F) 25°F	30°F	35°F	40°F	CONNECTION MATERIAL	LINE SIZE (INCHES) SUCTION	LIQUID	RECEIVER MAXIMUM CHARGE (LB.)	SHIPPING WEIGHT (LB.)
140-1FO 4MTLS11ME	75°F	146	160	175	191	Cu-Fe	7/8	5/8	118	4,009
	80°F	137	150	165	179					
	85°F	128	141	155	169					
	90°F	121	133	146	160					
	95°F	113	124	136	149					
	100°F	104	115	126	137					
200-1FO 4MTLS15ME	75°F	213	233	255	278	Cu-Fe	7/8	7/8	168	4,203
	80°F	200	219	240	261					
	85°F	188	206	226	246					
	90°F	178	198	214	233					
	95°F	166	182	200	217					
	100°F	153	168	184	201					
240-1FO 4MTLS20ME	75°F	260	285	312	340	Cu-Fe	1 1/8	7/8	225	5,208
	80°F	244	268	293	320					
	85°F	229	252	276	301					
	90°F	217	248	261	285					
	95°F	202	222	244	266					
	100°F	187	205	225	245					
290-1FO 4MTLS22ME	75°F	307	335	365	395	Cu-Fe	1 1/8	1 1/8	290	5,764
	80°F	288	315	342	371					
	85°F	271	296	322	349					
	90°F	256	280	304	330					
	95°F	239	261	284	308					
	100°F	221	241	262	284					
340-1FO 4MTLS28ME	75°F	369	403	440	479	Cu-Fe	1 1/8	1 1/8	368	6,868
	80°F	346	378	413	450					
	85°F	325	356	389	423					
	90°F	308	337	368	401					
	95°F	287	315	344	375					
	100°F	265	290	317	346					
400-1FO (2) 4MTLS15ME	75°F	426	466	510	556	Cu-Fe	1 1/8	1 1/8	565	8,125
	80°F	399	438	480	522					
	85°F	375	412	452	492					
	90°F	355	396	428	466					
	95°F	331	364	399	434					
	100°F	305	336	368	402					
480-1FO (2) 4MTLS20ME	75°F	520	570	624	680	SS	1 1/4	1	565	9,450
	80°F	488	536	586	640					
	85°F	458	504	552	602					
	90°F	434	476	522	570					
	95°F	404	444	488	538					
	100°F	373	410	450	490					
580-1FO (2) 4MTLS22ME	75°F	614	670	730	790	SS	1 1/4	1 1/4	565	9,952
	80°F	576	630	684	742					
	85°F	542	592	644	698					
	90°F	512	560	608	660					
	95°F	478	522	568	616					
	100°F	442	482	524	568					
600-1FO (3) 4MTLS15ME	75°F	639	699	765	834	SS	1 1/4	1 1/4	565	9,796
	80°F	599	657	720	783					
	85°F	563	618	678	738					
	90°F	533	594	642	699					
	95°F	497	546	599	651					
	100°F	458	504	552	603					

*For higher temperatures, adiabatic pre-cooling option must be used.

*With adiabatic pre-cooling option, ambient air temperature in above table is equal to the resultant air dry-bulb temperature at the coil inlet. For example, if air with Dry-Bulb Temperature = 90°F and Wet-Bulb Temperature = 70°F passes through the adiabatic system with 80% efficiency, the resultant ambient air temperature at the coil will be 74°F.

25°F superheat at compressor(s)

10°F superheat at evaporator(s)

CAPACITIES LOW TEMPERATURE @ 90 BAR - DORIN COMPRESSOR (200 TO 500)

COMPRESSOR MODEL	AMBIENT AIR TEMPERATURE*	CAPACITY (MBH) SATURATED SUCTION TEMPERATURE (°F) -30°F	-25°F	-20°F	-15°F	CONNECTION MATERIAL	LINE SIZE (INCHES) SUCTION	LIQUID	RECEIVER MAXIMUM CHARGE (LB.)	SHIPPING WEIGHT (LB.)
200-6BO CD2S2000	75°F	61.1	66.4	72	77.9	Cu-Fe	7/8	1/2	118	3,304
	80°F	60.5	65.5	71.1	76.6					
	85°F	59.7	64.7	70.2	75.7					
	90°F	59.1	64	69.3	74.7					
	95°F	58.3	63.2	68.4	73.7					
	100°F	57.6	62.4	67.3	72.5					
250-6BO CD2S2500	75°F	77.9	84.6	91.6	98.6	Cu-Fe	7/8	1/2	168	3,456
	80°F	77	83.3	89.9	96.7					
	85°F	76.1	82.4	88.9	95.3					
	90°F	75.5	81.4	87.8	94.1					
	95°F	74.4	80.5	86.5	92.7					
	100°F	73.6	79.3	85.2	90.8					
300-6BO CD2S3000	75°F	88.4	95.8	103	111	Cu-Fe	1 1/8	5/8	225	4,000
	80°F	87.5	94.5	102	109					
	85°F	86.2	93.1	100	108					
	90°F	85.5	92.4	99.1	106					
	95°F	84.6	91	97.6	104					
	100°F	83.4	89.7	96.2	103					
350-6BO CD2S3500	75°F	101	109	118	126	Cu-Fe	1 1/8	5/8	290	4,166
	80°F	99.5	108	116	125					
	85°F	98	106	114	122					
	90°F	97.2	105	113	121					
	95°F	95.8	104	111	119					
	100°F	94.9	102	109	117					
400-6BO (2) CD2S2000	75°F	122	133	144	156	Cu-Fe	1 1/8	5/8	368	5,620
	80°F	121	131	142	153					
	85°F	119	129	140	151					
	90°F	118	128	139	149					
	95°F	117	126	137	147					
	100°F	115	125	135	145					
500-6BO (2) CD2S2500	75°F	156	169	183	197	Cu-Fe	1 1/8	7/8	565	6,134
	80°F	154	167	180	193					
	85°F	152	165	178	191					
	90°F	151	163	176	188					
	95°F	149	161	173	185					
	100°F	147	159	170	182					

*For higher temperatures, adiabatic pre-cooling option must be used.

*With adiabatic pre-cooling option, ambient air temperature in above table is equal to the resultant air dry-bulb temperature at the coil inlet. For example, if air with Dry-Bulb Temperature = 90°F and Wet-Bulb Temperature = 70°F passes through the adiabatic system with 80% efficiency, the resultant ambient air temperature at the coil will be 74°F.

25°F superheat at compressor(s)

10°F superheat at evaporator(s)

CAPACITIES — LOW TEMPERATURE @ 90 BAR - DORIN COMPRESSOR (600 TO 1050)

COMPRESSOR MODEL	AMBIENT AIR TEMPERATURE*	CAPACITY (MBH) SATURATED SUCTION TEMPERATURE (°F)				CONNECTION MATERIAL	LINE SIZE (INCHES)		RECEIVER MAXIMUM CHARGE (LB.)	SHIPPING WEIGHT (LB.)
		-30°F	-25°F	-20°F	-15°F		SUCTION	LIQUID		
600-6BO (2) CD2S3000	75°F	177	192	207	223	SS	1 1/4	3/4	565	6,946
	80°F	175	189	204	219					
	85°F	172	186	201	215					
	90°F	171	185	198	213					
	95°F	169	182	195	209					
	100°F	167	179	192	205					
700-6BO (2) CD2S3500	75°F	201	218	235	253	SS	1 1/4	3/4	565	7,433
	80°F	199	215	232	249					
	85°F	196	212	228	244					
	90°F	194	211	226	242					
	95°F	192	207	222	238					
	100°F	190	204	218	233					
750-6BO (3) CD2S2500	75°F	234	254	275	296	SS	1 1/4	3/4	565	8,129
	80°F	231	250	270	290					
	85°F	228	247	267	286					
	90°F	227	244	263	282					
	95°F	223	241	260	278					
	100°F	221	238	256	272					
900-6BO (3) CD2S3000	75°F	265	288	310	334	SS	1 1/4	3/4	565	8,974
	80°F	262	283	305	328					
	85°F	259	279	301	323					
	90°F	256	277	297	319					
	95°F	254	273	293	313					
	100°F	250	269	288	308					
1050-6BO (3) CD2S3500	75°F	302	327	353	379	SS	1 1/4	1	565	9,075
	80°F	298	323	348	374					
	85°F	294	318	343	367					
	90°F	292	316	339	362					
	95°F	287	311	334	357					
	100°F	285	307	327	350					

*For higher temperatures, adiabatic pre-cooling option must be used.

*With adiabatic pre-cooling option, ambient air temperature in above table is equal to the resultant air dry-bulb temperature at the coil inlet. For example, if air with Dry-Bulb Temperature = 90°F and Wet-Bulb Temperature = 70°F passes through the adiabatic system with 80% efficiency, the resultant ambient air temperature at the coil will be 74°F.

25°F superheat at compressor(s)

10°F superheat at evaporator(s)

MEDIUM TEMPERATURE @ 90 BAR (150-750)

MODEL	VOLTAGE	FAN ARRANG.	COMPRESSOR				MOTOR - 1ST FAN(S)			MOTOR - OTHER FAN(S)			MCA	FUSE SIZE
			MODEL	QTY	RLA	LRA	QTY	HP	FLA	QTY	HP	FLA		
150-5AO-8Y	600/3/60	1 x 2	4HTE-15K	1	20.9	117	1	3.2 HP	2.56	1	2.6 HP	3.40	32.09	50
200-5AO-8Y	600/3/60	1 x 2	4FTE-20K	1	30.6	140	1	3.2 HP	2.56	1	2.6 HP	3.40	44.21	70
250-5AO-8Y	600/3/60	1 x 2	4DTE-25K	1	40.3	196	1	3.2 HP	2.56	1	2.6 HP	3.40	56.34	90
300-5AO-8Y	600/3/60	1 x 3	4CTE-30K	1	43.5	196	1	3.2 HP	2.56	2	2.6 HP	3.40	63.74	100
400-5AO-8CY	600/3/60	2 x 2	4FTE-20K	2	30.6	140	2	3.2 HP	2.56	2	2.6 HP	3.40	80.77	110
500-5AO-8CY	600/3/60	2 x 2	4DTE-25K	2	40.3	196	2	3.2 HP	2.56	2	2.6 HP	3.40	102.6	125
600-5AO-8CY	600/3/60	2 x 3	4CTE-30K	2	43.5	196	2	3.2 HP	2.56	4	2.6 HP	3.40	116.6	150
750-5AO-8GY	600/3/60	2 x 3	4DTE-25K	3	40.3	196	2	3.2 HP	2.56	4	2.6 HP	3.40	149.7	175

MODEL	VOLTAGE	FAN ARRANG.	COMPRESSOR				MOTOR - 1ST FAN(S)			MOTOR - OTHER FAN(S)			MCA	FUSE SIZE
			MODEL	QTY	RLA	LRA	QTY	HP	FLA	QTY	HP	FLA		
150-5AO-9Y	480/3/60	1 x 2	4HTE-15K	1	26.1	147	1	3.2 HP	3.20	1	2.6 HP	4.40	40.23	60
200-5AO-9Y	480/3/60	1 x 2	4FTE-20K	1	38.2	176	1	3.2 HP	3.20	1	2.6 HP	4.40	55.35	90
250-5AO-9Y	480/3/60	1 x 2	4DTE-25K	1	50.3	245	1	3.2 HP	3.20	1	2.6 HP	4.40	70.48	110
300-5AO-9Y	480/3/60	1 x 3	4CTE-30K	1	54.4	245	1	3.2 HP	3.20	2	2.6 HP	4.40	80	125
400-5AO-9CY	600/3/60	2 x 2	4FTE-20K	2	38.2	176	2	3.2 HP	3.20	2	2.6 HP	4.40	101.15	125
500-5AO-9CY	480/3/60	2 x 2	4DTE-25K	2	50.3	245	2	3.2 HP	3.20	2	2.6 HP	4.40	128.38	175
600-5AO-9CY	480/3/60	2 x 3	4CTE-30K	2	54.4	245	2	3.2 HP	3.20	4	2.6 HP	4.40	146.4	200
750-5AO-9GY	480/3/60	2 x 3	4DTE-25K	3	50.3	245	2	3.2 HP	3.20	4	2.6 HP	4.40	187.48	225

HIGH TEMPERATURE @ 90 BAR (200-600)

MODEL	VOLTAGE	FAN ARRANG.	COMPRESSOR				MOTOR - 1ST FAN(S)			MOTOR - OTHER FAN(S)			MCA	FUSE SIZE
			MODEL	QTY	RLA	LRA	QTY	HP	FLA	QTY	HP	FLA		
200-5FO-8Y	600/3/60	1 x 2	4HTE-20K	1	29.7	140	1	3.2 HP	2.56	1	2.6 HP	3.40	43.09	70
300-5FO-8Y	600/3/60	1 x 2	4FTE-30K	1	42.6	196	1	3.2 HP	2.56	1	2.6 HP	3.40	59.21	100
400-5FO-8CY	600/3/60	2 x 2	4HTE-20K	2	29.7	140	2	3.2 HP	2.56	2	2.6 HP	3.40	78.75	100
600-5FO-8CY	600/3/60	2 x 2	4FTE-30K	2	42.6	196	2	3.2 HP	2.56	2	2.6 HP	3.40	107.77	150

MODEL	VOLTAGE	FAN ARRANG.	COMPRESSOR				1ST FAN MOTOR(S)			OTHER FAN MOTOR(S)			MCA	FUSE SIZE
			MODEL	QTY	RLA	LRA	QTY	HP	FLA	QTY	HP	FLA		
200-5FO-9Y	480/3/60	1 x 2	4HTE-20K	1	37.2	176	1	3.2 HP	3.20	1	2.6 HP	4.40	54.1	90
300-5FO-9Y	480/3/60	1 x 2	4FTE-30K	1	53.2	245	1	3.2 HP	3.20	1	2.6 HP	4.40	74.1	125
400-5FO-9CY	480/3/60	2 x 2	4HTE-20K	2	37.2	176	2	3.2 HP	3.20	2	2.6 HP	4.40	98.9	125
600-5FO-9CY	480/3/60	2 x 2	4FTE-30K	2	53.2	245	2	3.2 HP	3.20	2	2.6 HP	4.40	134.9	175

MEDIUM TEMPERATURE @ 90 BAR (140-720)

MODEL	VOLTAGE	FAN ARRANG.	COMPRESSOR				MOTOR - 1ST FAN(S)			MOTOR - OTHER FAN(S)			MCA	FUSE SIZE
			MODEL	QTY	RLA	LRA	QTY	HP	FLA	QTY	HP	FLA		
140-1AO-8Y	600/3/60	1 x 2	4MTLS11ME-TSE	1	25.6	118	1	3.2 HP	2.56	1	2.6 HP	3.40	37.96	60
200-1AO-8Y	600/3/60	1 x 2	4MTLS15ME-TSE	1	33.3	180	1	3.2 HP	2.56	1	2.6 HP	3.40	47.59	80
240-1AO-8Y	600/3/60	1 x 2	4MTLS20ME-TSE	1	43.5	260	1	3.2 HP	2.56	1	2.6 HP	3.40	60.34	100
290-1AO-8Y	600/3/60	1 x 3	4MTLS22ME-TSE	1	43.3	253	1	3.2 HP	2.56	2	2.6 HP	3.40	63.49	100
340-1AO-8Y	600/3/60	1 x 3	4MTLS28ME-TSE	1	53.8	337	1	3.2 HP	2.56	2	2.6 HP	3.40	76.61	125
400-1AO-8CY	600/3/60	2 x 2	4MTLS15ME-TSE	2	33.3	180	2	3.2 HP	2.56	2	2.6 HP	3.40	86.85	110
480-1AO-8CY	600/3/60	2 x 2	4MTLS20ME-TSE	2	43.5	260	2	3.2 HP	2.56	2	2.6 HP	3.40	109.8	150
580-1AO-8CY	600/3/60	2 x 3	4MTLS22ME-TSE	2	43.3	253	2	3.2 HP	2.56	4	2.6 HP	3.40	116.15	150
600-1AO-8GY	600/3/60	2 x 3	4MTLS15ME-TSE	3	33.3	180	2	3.2 HP	2.56	4	2.6 HP	3.40	126.95	150
680-1AO-8CY	600/3/60	2 x 3	4MTLS28ME-TSE	2	53.8	337	2	3.2 HP	2.56	4	2.6 HP	3.40	139.77	175
720-1AO-8GY	600/3/60	2 x 3	4MTLS20ME-TSE	3	43.5	260	2	3.2 HP	2.56	4	2.6 HP	3.40	160.10	200

MODEL	VOLTAGE	FAN ARRANG.	COMPRESSOR				MOTOR - 1ST FAN(S)			MOTOR - OTHER FAN(S)			MCA	FUSE SIZE
			MODEL	QTY	RLA	LRA	QTY	HP	FLA	QTY	HP	FLA		
140-1AO-9Y	480/3/60	1 x 2	4MTLS11ME-FSD	1	31.1	166	1	3.2 HP	3.20	1	2.6 HP	4.40	46.48	70
200-1AO-9Y	480/3/60	1 x 2	4MTLS15ME-FSD	1	42.6	203.7	1	3.2 HP	3.20	1	2.6 HP	4.40	60.85	100
240-1AO-9Y	480/3/60	1 x 2	4MTLS20ME-FSD	1	53.1	321	1	3.2 HP	3.20	1	2.6 HP	4.40	73.98	125
290-1AO-9Y	480/3/60	1 x 3	4MTLS22ME-FSD	1	58.3	370	1	3.2 HP	3.20	2	2.6 HP	4.40	84.88	125
340-1AO-9Y	480/3/60	1 x 3	4MTLS28ME-FSD	1	67.8	416	1	3.2 HP	3.20	2	2.6 HP	4.40	96.75	150
400-1AO-9CY	480/3/60	2 x 2	4MTLS15ME-FSD	2	42.6	203.7	2	3.2 HP	3.20	2	2.6 HP	4.40	111.05	150
480-1AO-9CY	480/3/60	2 x 2	4MTLS20ME-FSD	2	53.1	321	2	3.2 HP	3.20	2	2.6 HP	4.40	134.68	175
580-1AO-9CY	480/3/60	2 x 3	4MTLS22ME-FSD	2	58.3	370	2	3.2 HP	3.20	4	2.6 HP	4.40	155.18	200
600-1AO-9GY	480/3/60	2 x 3	4MTLS15ME-FSD	3	42.6	203.7	2	3.2 HP	3.20	4	2.6 HP	4.40	162.45	200
680-1AO-9CY	480/3/60	2 x 3	4MTLS28ME-FSD	2	67.8	416	2	3.2 HP	3.20	4	2.6 HP	4.40	176.55	225
720-1AO-9GY	480/3/60	2 x 3	4MTLS20ME-FSD	3	53.1	321	2	3.2 HP	3.20	4	2.6 HP	4.40	196.58	225

HIGH TEMPERATURE @ 90 BAR (140-600)

MODEL	VOLTAGE	FAN ARRANG.	COMPRESSOR				MOTOR - 1ST FAN(S)			MOTOR - OTHER FAN(S)			MCA	FUSE SIZE
			MODEL	QTY	RLA	LRA	QTY	HP	FLA	QTY	HP	FLA		
140-1FO-8Y	600/3/60	1 x 2	4MTLS11ME-TSE	1	25.6	118	1	3.2 HP	2.56	1	2.6 HP	3.40	37.96	60
200-1FO-8Y	600/3/60	1 x 2	4MTLS15ME-TSE	1	33.3	180	1	3.2 HP	2.56	1	2.6 HP	3.40	47.59	80
240-1FO-8Y	600/3/60	1 x 3	4MTLS20ME-TSE	1	43.5	260	1	3.2 HP	2.56	2	2.6 HP	3.40	63.74	100
290-1FO-8Y	600/3/60	1 x 3	4MTLS22ME-TSE	1	43.3	253	1	3.2 HP	2.56	2	2.6 HP	3.40	63.49	100
340-1FO-8Y	600/3/60	1 x 4	4MTLS28ME-TSE	1	53.8	337	1	3.2 HP	2.56	3	2.6 HP	3.40	80.01	125
400-1FO-8CY	600/3/60	2 x 2	4MTLS15ME-TSE	2	33.3	180	2	3.2 HP	2.56	2	2.6 HP	3.40	86.85	110
480-1FO-8CY	600/3/60	2 x 3	4MTLS20ME-TSE	2	43.5	260	2	3.2 HP	2.56	4	2.6 HP	3.40	116.6	150
580-1FO-8CY	600/3/60	2 x 3	4MTLS22ME-TSE	2	43.3	253	2	3.2 HP	2.56	4	2.6 HP	3.40	116.15	150
600-1FO-8GY	600/3/60	2 x 3	4MTLS15ME-TSE	3	33.3	180	2	3.2 HP	2.56	4	2.6 HP	3.40	126.95	150

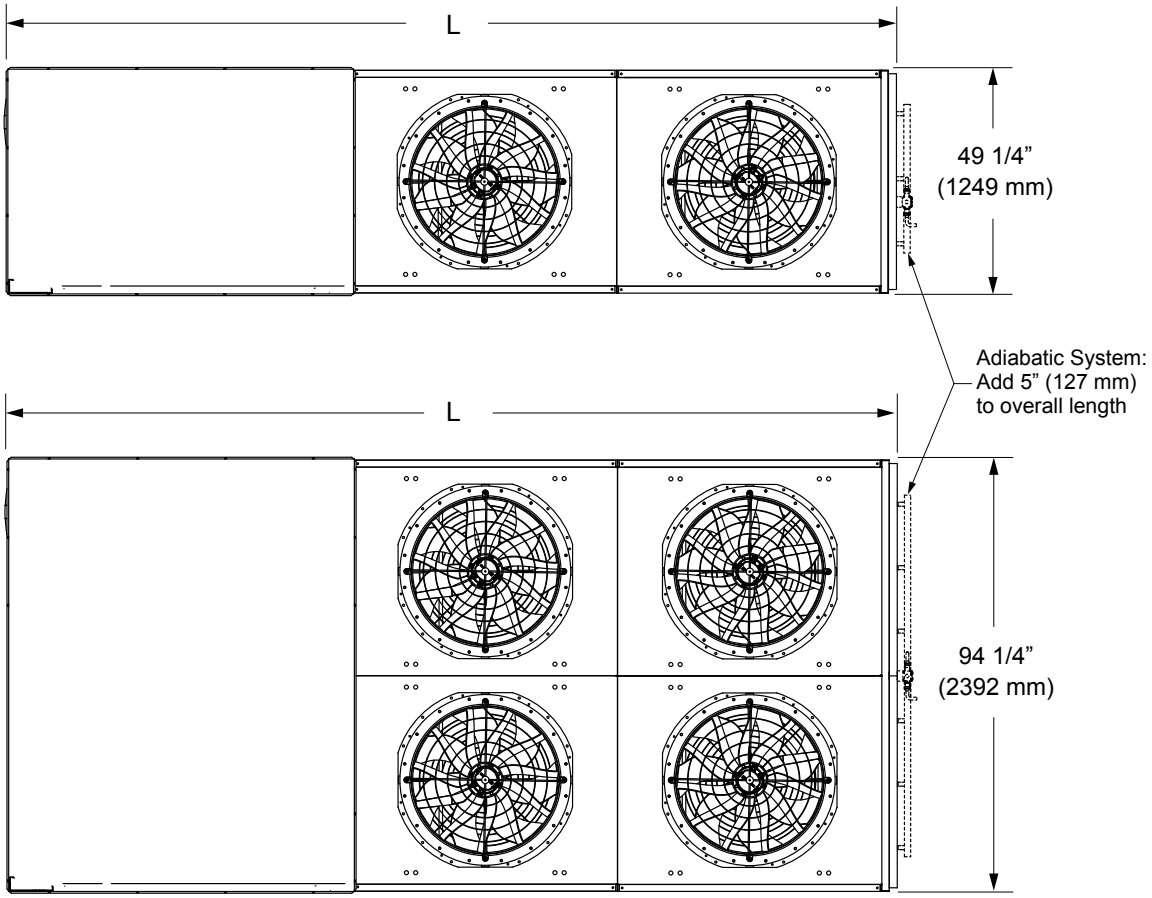
MODEL	VOLTAGE	FAN ARRANG.	COMPRESSOR				MOTOR - 1ST FAN(S)			MOTOR - OTHER FAN(S)			MCA	FUSE SIZE
			MODEL	QTY	RLA	LRA	QTY	HP	FLA	QTY	HP	FLA		
140-1FO-9Y	480/3/60	1 x 2	4MTLS11ME-FSD	1	31.1	166	1	3.2 HP	3.20	1	2.6 HP	4.40	46.48	70
200-1FO-9Y	480/3/60	1 x 2	4MTLS15ME-FSD	1	42.6	203.7	1	3.2 HP	3.20	1	2.6 HP	4.40	60.85	100
240-1FO-9Y	480/3/60	1 x 3	4MTLS20ME-FSD	1	53.1	321	1	3.2 HP	3.20	2	2.6 HP	4.40	78.38	125
290-1FO-9Y	480/3/60	1 x 3	4MTLS22ME-FSD	1	58.3	370	1	3.2 HP	3.20	2	2.6 HP	4.40	84.88	125
340-1FO-9Y	480/3/60	1 x 4	4MTLS28ME-FSD	1	67.8	416	1	3.2 HP	3.20	3	2.6 HP	4.40	101.15	150
400-1FO-9CY	480/3/60	2 x 2	4MTLS15ME-FSD	2	42.6	203.7	2	3.2 HP	3.20	2	2.6 HP	4.40	111.05	150
480-1FO-9CY	480/3/60	2 x 3	4MTLS20ME-FSD	2	53.1	321	2	3.2 HP	3.20	4	2.6 HP	4.40	143.48	175
580-1FO-9CY	480/3/60	2 x 3	4MTLS22ME-FSD	2	58.3	370	2	3.2 HP	3.20	4	2.6 HP	4.40	155.18	200
600-1FO-9GY	480/3/60	2 x 3	4MTLS15ME-FSD	3	42.6	203.7	2	3.2 HP	3.20	4	2.6 HP	4.40	162.45	200

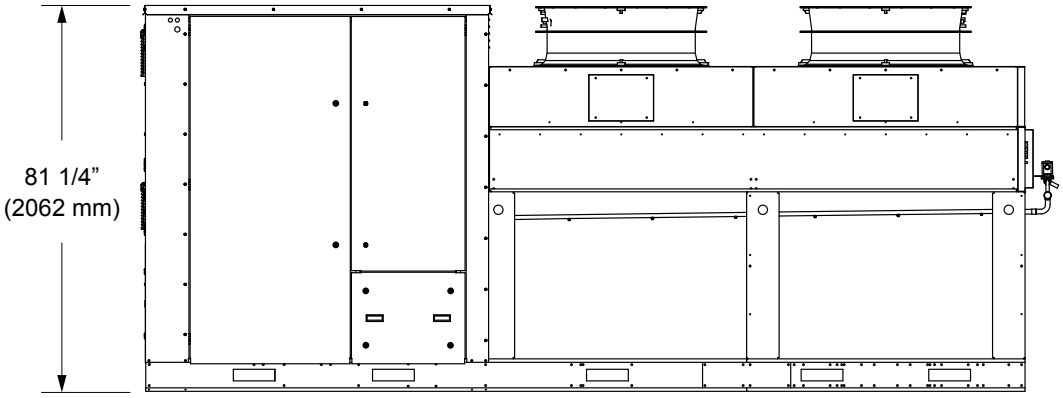
LOW TEMPERATURE @ 90 BAR (200-1050)

MODEL	VOLTAGE	FAN ARRANG.	COMPRESSOR				MOTOR - 1ST FAN(S)			MOTOR - OTHER FAN(S)			MCA	FUSE SIZE
			MODEL	QTY	RLA	LRA	QTY	HP	FLA	QTY	HP	FLA		
200-6BO-8Y	600/3/60	1 x 1	CD2S2000	1	23.8	142	1	3.2 HP	2.56	-	-	-	32.31	50
250-6BO-8Y	600/3/60	1 x 1	CD2S2500	1	28.6	162	1	3.2 HP	2.56	-	-	-	38.31	60
300-6BO-8Y	600/3/60	1 x 2	CD2S3000	1	36.7	196	1	3.2 HP	2.56	1	2.6 HP	3.40	51.84	80
350-6BO-8Y	600/3/60	1 x 2	CD2S3500	1	38.6	208	1	3.2 HP	2.56	1	2.6 HP	3.40	54.21	90
400-6BO-8CY	600/3/60	2 x 1	CD2S2000	2	23.8	142	2	3.2 HP	2.56	-	-	-	58.67	80
500-6BO-8CY	600/3/60	2 x 1	CD2S2500	2	28.6	162	2	3.2 HP	2.56	-	-	-	69.47	90
600-6BO-8CY	600/3/60	2 x 2	CD2S3000	2	36.7	196	2	3.2 HP	2.56	2	2.6 HP	3.40	94.5	125
700-6BO-8CY	600/3/60	2 x 2	CD2S3500	2	38.6	208	2	3.2 HP	2.56	2	2.6 HP	3.40	98.77	125
750-6BO-8GY	600/3/60	2 x 2	CD2S2500	3	28.6	162	2	3.2 HP	2.56	2	2.6 HP	3.40	104.87	125
900-6BO-8GY	600/3/60	2 x 2	CD2S3000	3	36.7	196	2	3.2 HP	2.56	2	2.6 HP	3.40	131.2	150
1050-6BO-8GY	600/3/60	2 x 2	CD2S3500	3	38.6	208	2	3.2 HP	2.56	2	2.6 HP	3.40	137.37	175

MODEL	VOLTAGE	FAN ARRANG.	COMPRESSOR				MOTOR - 1ST FAN(S)			MOTOR - OTHER FAN(S)			MCA	FUSE SIZE
			MODEL	QTY	RLA	LRA	QTY	HP	FLA	QTY	HP	FLA		
200-6BO-9Y	480/3/60	1 x 1	CD2S2000	1	29.4	177	1	3.2 HP	3.20	-	-	-	39.95	60
250-6BO-9Y	480/3/60	1 x 1	CD2S2500	1	35.3	203	1	3.2 HP	3.20	-	-	-	47.33	80
300-6BO-9Y	480/3/60	1 x 2	CD2S3000	1	45.5	245	1	3.2 HP	3.20	1	2.6 HP	4.40	64.48	100
350-6BO-9Y	480/3/60	1 x 2	CD2S3500	2	47.9	260	1	3.2 HP	3.20	1	2.6 HP	4.40	67.48	110
400-6BO-9CY	480/3/60	2 x 1	CD2S2000	2	29.4	177	2	3.2 HP	3.20	-	-	-	72.55	100
500-6BO-9CY	480/3/60	2 x 1	CD2S2500	2	35.3	203	2	3.2 HP	3.20	-	-	-	85.83	110
600-6BO-9CY	480/3/60	2 x 2	CD2S3000	2	45.5	245	2	3.2 HP	3.20	2	2.6 HP	4.40	117.58	150
700-6BO-9CY	480/3/60	2 x 2	CD2S3500	3	47.9	260	2	3.2 HP	3.20	2	2.6 HP	4.40	122.98	150
750-6BO-9GY	480/3/60	2 x 2	CD2S2500	3	35.3	203	2	3.2 HP	3.20	2	2.6 HP	4.40	129.93	150
900-6BO-9GY	480/3/60	2 x 2	CD2S3000	3	45.5	245	2	3.2 HP	3.20	2	2.6 HP	4.40	163.08	200
1050-6BO-9GY	480/3/60	2 x 2	CD2S3500	3	47.9	260	2	3.2 HP	3.20	2	2.6 HP	4.40	170.88	200

Unit Dimensions





FAN ARRANGEMENT	OVERALL LENGTH
	L
1X1	136 1/4” (3463 mm)
1X2	193 1/4” (4910 mm)
1X3	250 1/4” (6359 mm)
1X4	307 1/4” (7808 mm)
2X1	148 1/4” (3768 mm)
2X2	205 1/4” (5216 mm)
2X3	262 1/4” (6663 mm)

NOTE: Add 5" (127 mm) to overall length (L)
on units with adiabatic system

The RefPlus EcoEfficient+ program aims to improve your environmental footprint by reducing refrigerant leakage, noise and power consumption with uncompromising performance.

ecoefficient+

cityquiet zeroleak smartpower

C US Intertek PENDING

CERTIFIED **ISO-9001**

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