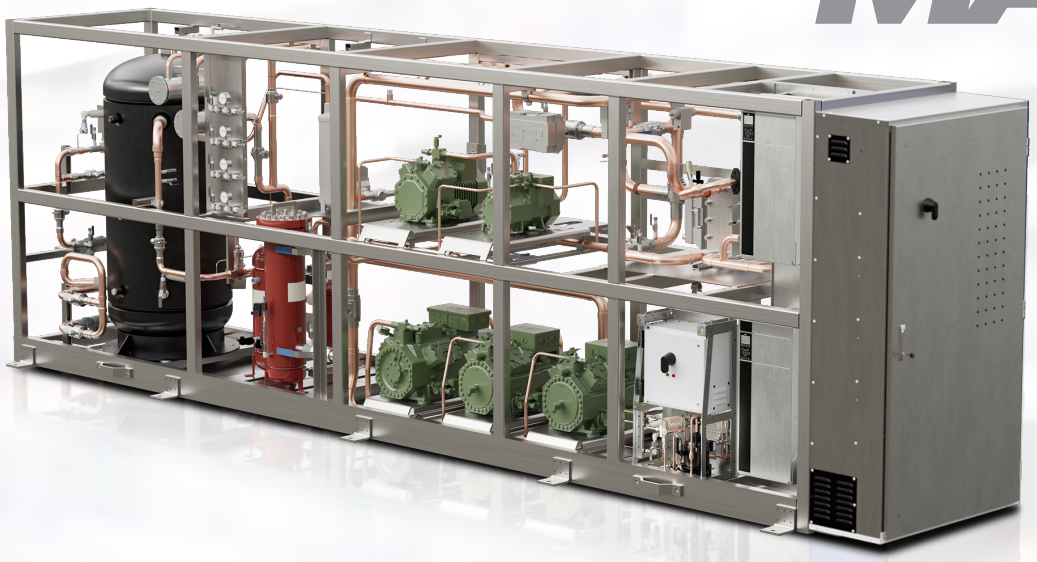
Hillphoenix
a DOVER company

ADVANSOR™ flex MAX



The Hillphoenix AdvansorFlex-MAX CO_2 Booster System is a member of our sustainable line of refrigeration systems. The AdvansorFlex-MAX is an HFC-free solution that utilizes carbon dioxide as the only refrigerant in the system. Hillphoenix customers can take advantage of the inherent benefits of CO_2-based refrigeration systems and combine them with those of other Second Nature systems, in the process reducing direct refrigerant emissions to the lowest level possible.

Structural Design

Features:

- Standardized component location
- Consistent design across the platform
- Formed tubing and reduced braze joints
- Pre-cut insulation with formed tubing

Benefits:

- Familiarity for ease of installation & service
- Ensures repeatable performance
- Minimized leak potenial
- Reduces ingress of moisture and improves overall insulation performance

Valves

Features:

- Easily & ergonomically accessible control and service valves

Benefits:

- Improved Flash Gas Bypass and isolation valve access
- Unimpeded access & reduces time spent “pipe tracing” by technicians

Control Panel

Features:

- Large control panel
- Standardized component layout

Benefits:

- Adoption of more features with improved access and ease of service
- Improved service and trouble-shooting

Configurable Options

ELECTRICAL			
CATEGORY	**STANDARD OFFERING**	**OPTION 1**	**OPTION 2**
Rack Main Voltage	460 V	208 V	575 V
Fault Current Rating (SCCR)	18 kA	35 kA	65 kA
Control Voltage	120 V	*	*
Power Points	Two (Rack/Control)	*	*
Main Disconnect	Breaker TTD	*	*
Control Circuit Disconnect Interlock	No	Yes	*
Gas Cooler Powered from Rack	No	Yes	*
Compressor Run Proof Relay	No	Yes	*
Control Panel Service Lighting	No	Yes	*

COMPRESSORS	
CATEGORY	**STANDARD OFFERING**
Med Temp & Parallel Compressor Type	Bitzer Recip/Copeland Recip
# of Med Temp + Parallel Compressors (if applicable)	3 to 6
Low Temp Compressor Type	Bitzer Recip/Copeland Scroll
# of Low Temp Compressors	2 to 4
Lead Comp Capacity Control	Variable Freq Drive or Digital Unloading Available on select models
Compressors Selected by	Hillphoenix
Compressors Shipped with Oil	NO (Ship Loose)
Available with Bitzer or Copeland Compressors	

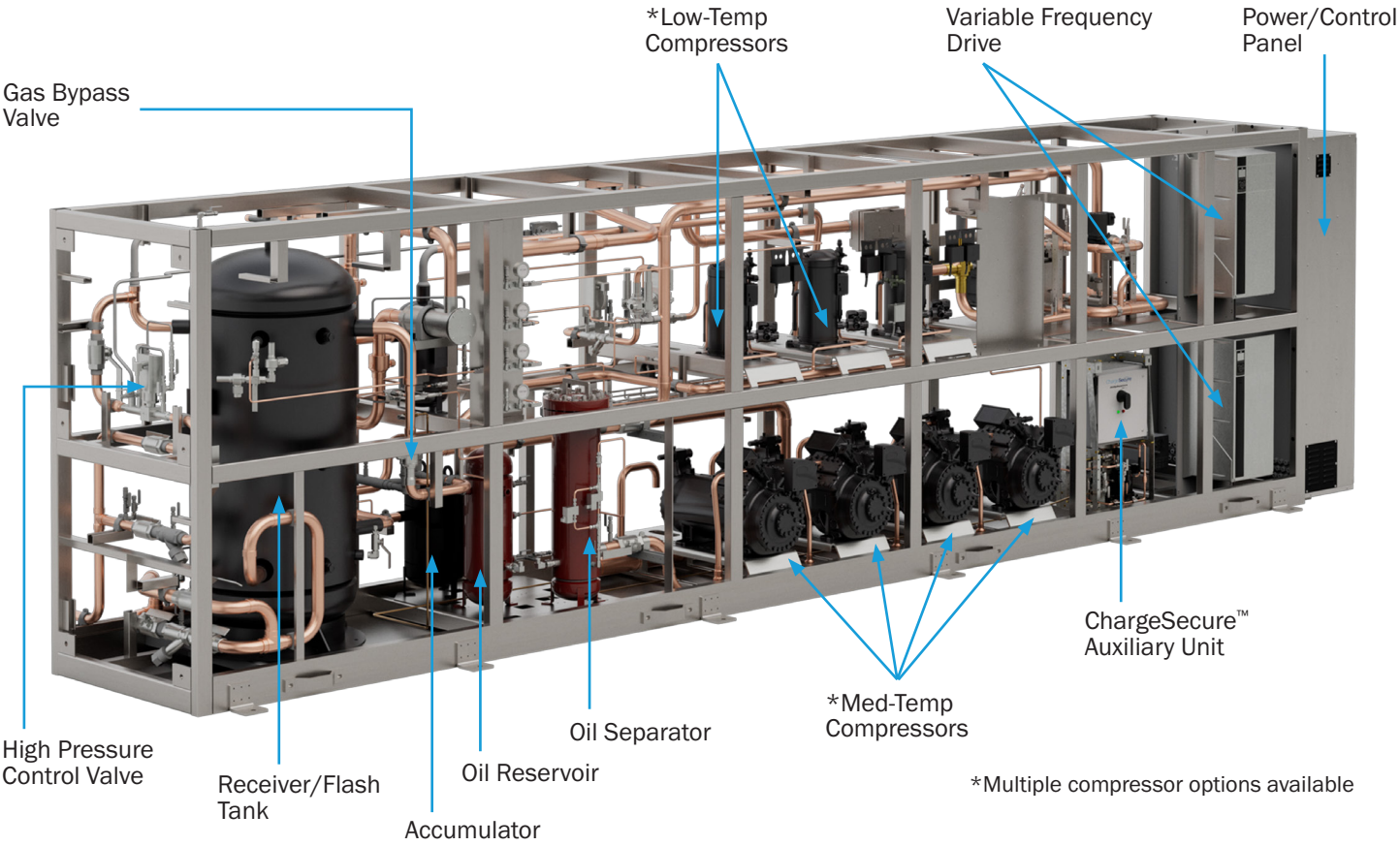
CONTROLS			
CATEGORY	**STANDARD OFFERING**	**OPTION 1**	**OPTION 2**
Rack Controller Manufacturer	Copeland	Danfoss	Micro Thermo
Controller Location	In Rack	*	*
Refrigerant Leak Detection	In Rack	*	*

SYSTEM RATED DESIGN PRESSURE		
CATEGORY	**STANDARD OFFERING**	**OPTION 1**
Low Temp Suction Relief	30 bar (435 psi)	*
Med Temp Suction Relief	45 bar (652 psi)	*
Flash Tank Relief (Operating)	45 bar (652 psi)	*
Flash Tank Relief (Idle)	60 bar (870 psi)	*
Med Temp Discharge (High Side)	130 bar (1,885 psi)	120 bar (1,740 psi)

MECHANICAL			
CATEGORY	**STANDARD OFFERING**	**OPTION 1**	**OPTION 2**
No. of Suction Groups	2 (Low and Med Temp)	1 (Med Temp Only)	3 (Low, Medium, and IT/Parallel Comp)
Oil Separator Type	Coalescent	*	*
Oil Reservoir	External		
Compressor Oil Float Type	Electronic		
Low Super Heat Control	Hot Gas Dump		
High Super Heat Control	Liquid Injection		
Air Heat Reclaim (AHR)	No Reclaim	Direct (3-way vlv in Rack)	
AHR Heat Exchanger Location	Remote (in Air Handler)	*	
Water Heat Reclaim (WHR)	No Reclaim	Direct	Indirect (Hydronic)
WHR Heat Exchanger Location	In Rack	*	*
Defrost Type	Off-Cycle/Electric	Hot Gas	
Low Temp Suction Filter Service	Filter w/ Std Isolation	Filter w/ Dedicated Isol	Dedicated Isol + Bypass
Med Temp Suction FService	Filter w/ Std Isolation	Filter w/ Dedicated Isol	Dedicated Isol + Bypass
Oil Separator Filter Service	Standard Isolation	Dedicated Isolation	*
Gas Cooler & Liquid Strainer	Dedicated Isolation	Dedicated Isol + Bypass	
Low Temp Suction Protection	Oversized Header	Conventional Accumulator	
Med Temp Suction Protection	Oversized Header	Conventional Accumulator	
Oil Separator to Reservoir Filter	Inline Filter	Serviceable Filter	
Charge Preservation	*	ChargeSecure™	
High Pressure Valve	Danfoss ICMT	*	
Flash Gas Bypass Valve	Danfoss CCMT		
Drier Core, Oil, Oil Sep Filter	Ship Loose		
Oil Sep Clogged Filter Indicator	*	With Differential Indicator	
Pressure Relief Valve	Single	Dual Relief (with Single Pressure Hose)	

STRUCTURAL			
CATEGORY	**STANDARD OFFERING**	**OPTION 1**	**OPTION 2**
Rack Frame	Welded and Painted	*	*
Rack Enclosure	No Enclosure (Indoor)	Galvanized Enclosure	
Rack Frame Isolation	Cork Rubber Pad	Machine Feet	Seismic Springs

Features and Options



The AdvansorFlex-MAX CO_2 Booster System offers the following standard equipment...

- CO_2 reciprocating (medium- and low-temp) and scrolling (low-temp) compressor technologies that have proven their effectiveness and reliability in thousands of worldwide installations
- Variable-frequency drive (VFD) on lead medium-temp compressor
- Case and walk-in cooler/freezer units outfitted with electronic expansion valves (EEVs) and electric defrost

...with availability of the following optional equipment:

- Factory-mounted heat-reclaim heat exchangers
- Air-cooled CO_2 discharge-gas de-superheater for increased energy efficiency
- Parallel compressors for better energy efficiency, compressor redundancy and system flexibility
- Energy-efficient adiabatic gas coolers
- Hot-gas defrost
- Cold weather package
- Weather-proof exposure

Features and Options

Flex Platforms System Design – Cool Smarter with CO_2 Parallel Compression

The **AdvansorFlex-Max system** redefines refrigeration efficiency through **parallel compression**, optimizing **flash gas management** at a **higher suction pressure** using an **independent compressor group**—allowing for **a smaller compressor size while boosting energy savings**. This approach **reduces compressor strain, ensuring higher-quality liquid reaches display cases and evaporators.** The result? **Up to 10% lower energy consumption** in high ambient temperatures, **longer compressor life**, and **reduced maintenance demands** over time.

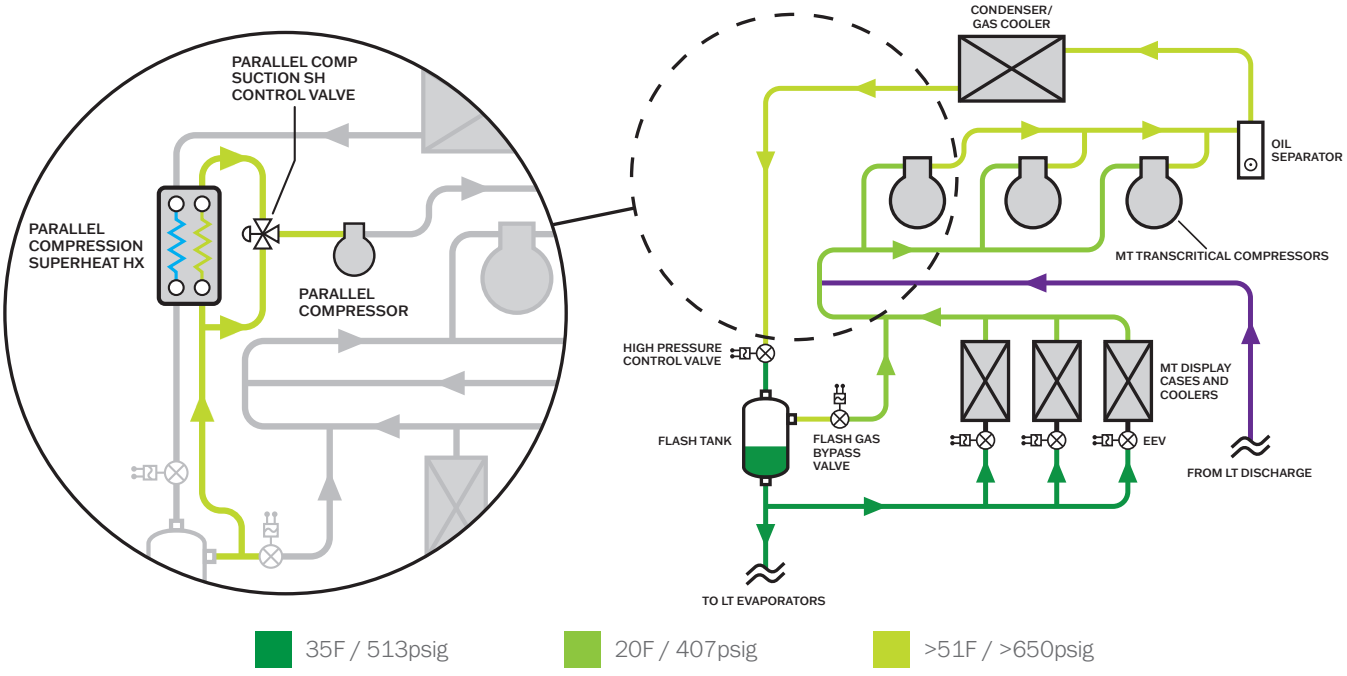
"AdvansorFlex-Max is a dependable solution for scaling energy management and optimizing resources, all while leveraging CO_2 as a sustainable refrigerant—delivering efficiency, longevity, and cost savings."

Parallel Compression

Parallel compression helps to process the flash gas at a higher suction pressure (using independent compressor group) which results in higher energy savings

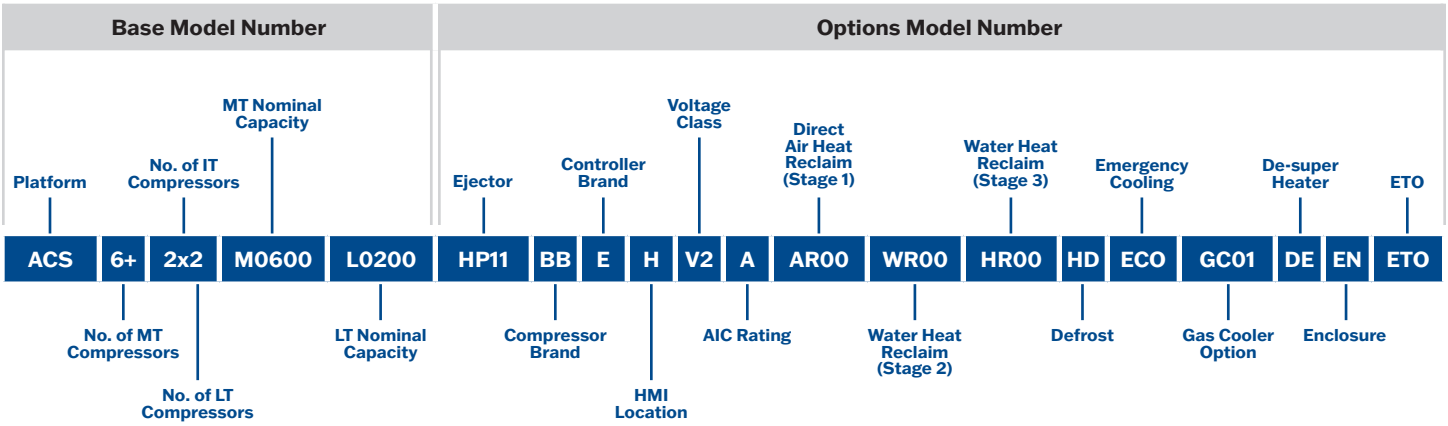
Standard System

Traditional CO_2 system expands the flash gas to recompress it at MT suction pressure



- **Enhanced efficiency** – Saves up to 10% in high temperatures by optimizing compressor sizing and reutilizing existing energy within the system.
- **Extended equipment life** – Lowers compressor strain, minimizing maintenance costs
- **Cost-effective solution** – Pays for itself faster through operational savings
- **Scalable energy management** – Optimizes resources for growing businesses
- **Sustainable refrigeration** – Uses CO_2 for eco-friendly cooling

Nomenclature Guide



Platform
FMS
FMM
FLX
ACS

No. of MT Compressors
1 to 9

No. of IT Compressors
0 to 5

No. of LT Compressors
0 to 9

MT Nominal Capacity
10 to 1000 MBTUH

LT Nominal Capacity
10 to 400 MBTUH

Ejector
HP11, HP12
HP21, HP22
HP31, HP32
LP11, LP12
LP21, LP22
LP31, LP32
LE11, LE12
LE21, LE22
LE31, LE32
LE41, LE42
LE51, LE52
CE11, CE12
CE21, CE22
CE31, CE32
0000

Compressor Brand
BB: Bitzer
EE: Emerson
BE: MT Bitzer/LT Emerson
DR: Dorin

Controller Brand
E: Emerson (Copeland)
D: Danfoss
M: Microthermo

HMI Location
H: Rack
R: Remote
0: Ship loose

Voltage Class
V2: 208V
V4: 460V
V5: 575V
V8: 440V
V9: 380V

AIC Rating
A: 5K
B: 10K (default)
C: 14K
D: 18K
E: 22K
F: 25K
G: 35K
H: 50K
K: 65K
L: 100K
M: 200K

Direct Air Heat Reclaim (Stage 1)
AR00: Direct, 3-way valve only (SL)
AR10: Up to 200 (SL)
AR20: Up to 450 (SL)
AR30: Up to 950 (SL)
AR40: Up to 1450 (SL)
AR50: Up to 2000 (SL)
AR01: Direct, 3-way valve only (IU)
AR11: Up to 200 (IU)
AR21: Up to 450 (IU)
AR31: Up to 950 (IU)
AR41: Up to 1450 (IU)
AR51: Up to 2000 (IU)

Water Heat Reclaim (Stage 2)
WR10: Up to 150 (SL)
WR20: Up to 300 (SL)
WR30: Up to 500 (SL)
WR40: Up to 700 (SL)
WD10: 150 (SL)
WD20: 250 (SL)
WD30: 300 (SL)
WR11: Up to 150 (IU)
WR21: Up to 300 (IU)
WR31: Up to 500 (IU)
WR41: Up to 700 (IU)
WD11: 150 (IU)
WD21: 250 (IU)
WD31: 300 (IU)

Water Heat Reclaim (Stage 3)
WR10: Up to 150 (SL)
WR20: Up to 300 (SL)
WR30: Up to 500 (SL)
WR40: Up to 700 (SL)
WD10: 150 (SL)
WD20: 250 (SL)
WD30: 300 (SL)
WR11: Up to 150 (IU)
WR21: Up to 300 (IU)
WR31: Up to 500 (IU)
WR41: Up to 700 (IU)
WD11: 150 (IU)
WD21: 250 (IU)
WD31: 300 (IU)

Defrost
HD: Hot gas defrost
ED: Electric defrost

Emergency Cooling
EC1: ChargeSecure unit (IU)
EC2: ChargeSecure unit (IU) with Enclosure

Gas Cooler Option
GC00: No gas cooler bypass and ship loose GC
GC10: Gas cooler bypass 3-way on rack and ship loose GS
GC11: Gas cooler bypass 3-way and integrated in common frame, powered from rack
GC01: No gas cooler bypass and integrated in common frame, powered from rack

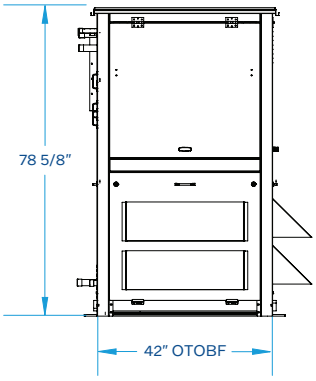
De-super Heater
DE: De-super heater external, air-cooled
DI: De-super heater internal to rack, CO_2

Enclosure
EN: With enclosure (non-insulated)
ES: With enclosure & insulated
EC: With enclosure, insulated & cold weather package
MS: Rack in machine house
MC: Rack in machine house with cold weather package
PT: Rack in PAT enclosure
PC: Rack in PAT enclosure with cold weather package

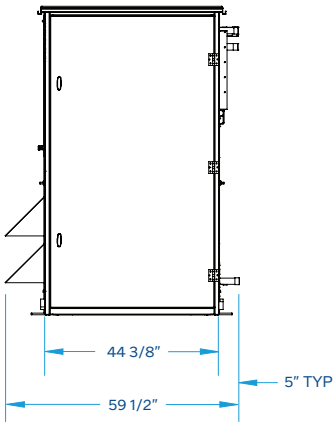
ETO
Description

*SL: Shipped loose
*IU: Installed in the unit

Dimensional Drawings

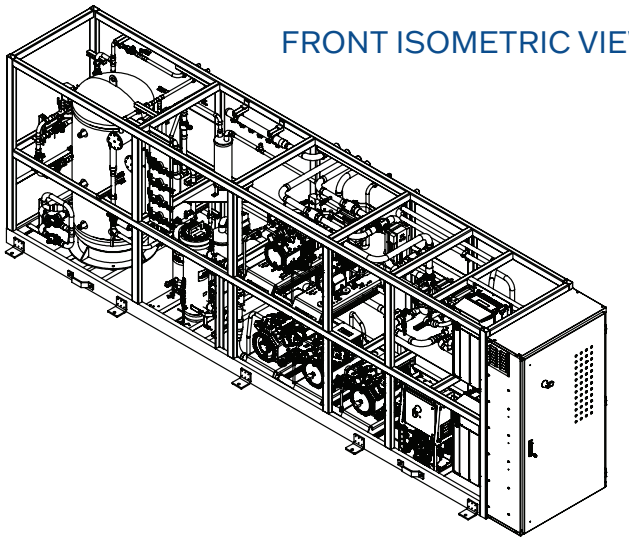


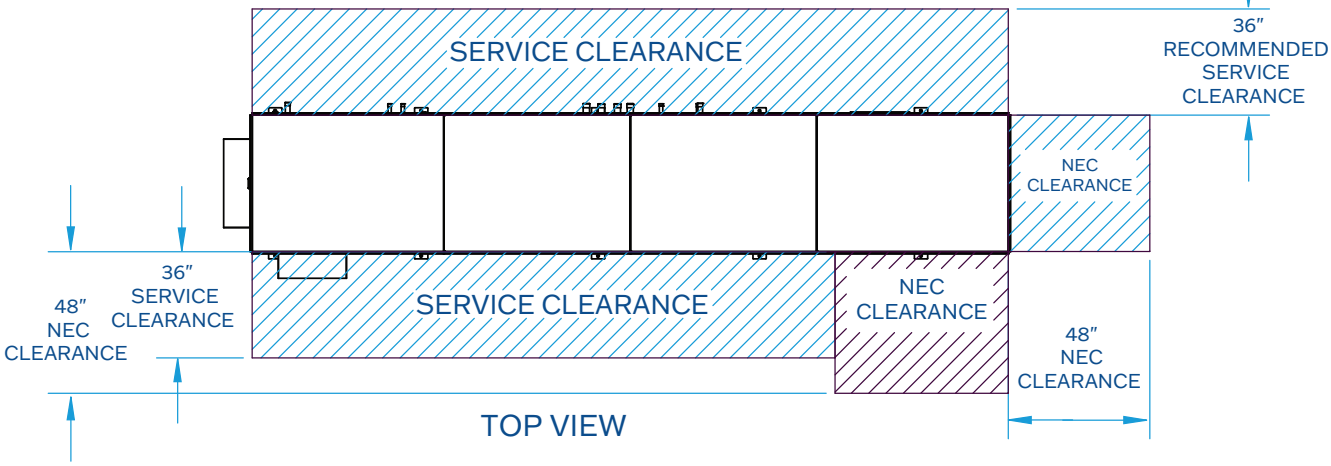
LEFT SIDE VIEW



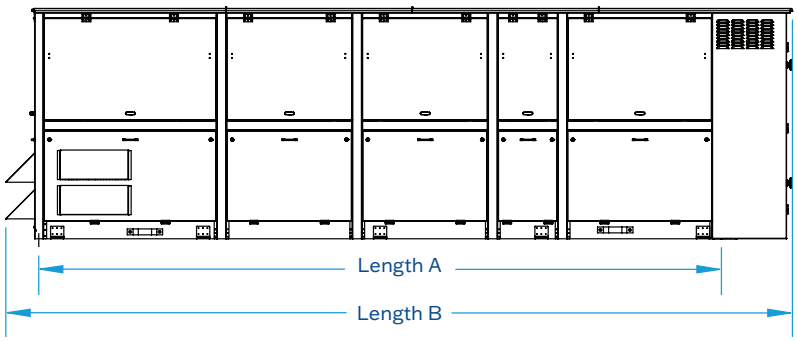
RIGHT SIDE VIEW

FRONT ISOMETRIC VIEW





TOP VIEW



FRONT VIEW

Measurements		
LENGTH A		
Standard	3x2	231 1/2″
	4x3	279 1/8″
	6x4	303 1/2″
Added Dual Receiver Option	3x2	383 1/2″
	4x3	331 1/8″
	6x4	340″
LENGTH B		
Standard	3x2	266 3/4″
	4x3	316 7/8″
	6x4	340″
Added Dual Receiver Option	3x2	318 3/4″
	4x3	369″
	6x4	391 7/8″

ADVANSOR flex MAX

Scan the QR code or visit https://www.hillphoenix.com/products/second-nature-advansorflex-max to learn more about Advansor Flex-Max.

Model Numbers

Model Name	Low Temperature Compressor Capacity (kbtuh)	Medium Temperature Compressor Capacity (kbtuh)	Compress Configuration	Base Chassis	Physical Characteristics (Indoor Rack w/o enclosure)				Estimated Weight with Enclosure (lbs)	Amps @ 460v/3/60Hz Rack Only MCA/MOPD	Mechanical Line Connections				
					Length (in)	Width (in)	Height (in)	Estimated Weight of Rack (lbs)			Low Temp Suction	Med Temp Suction	To Gas Cooler	From Gas Cooler	Liquid Supply
ACS-3+0x2-M0165-L0048-0000-BB	48	165	3+0x2	3x2	251	51	78	9,500	11,000	100/125	7/8	1 3/8	1 3/8	1 1/8	1 1/8
ACS-3+0x2-M0235-L0096-0000-BB	96	235	3+0x2	3x2	251	51	78	9,500	11,000	148/200	7/8	1 3/8	1 3/8	1 1/8	1 1/8
ACS-3+0x2-M0258-L0072-0000-BB	72	258	3+0x2	3x2	251	51	78	9,500	11,000	144/175	7/8	1 3/8	1 3/8	1 1/8	1 1/8
ACS-3+0x2-M0278-L0120-0000-BB	120	278	3+0x2	3x2	251	51	78	9,500	11,000	197/250	1 1/8	1 3/8	1 5/8	1 1/8	1 3/8
ACS-3+0x2-M0283-L0048-0000-BB	48	283	3+0x2	3x2	251	51	78	9,500	11,000	140/175	7/8	1 3/8	1 3/8	1 1/8	1 1/8
ACS-3+0x2-M0308-L0096-0000-BB	96	308	3+0x2	3x2	251	51	78	9,500	11,000	191/250	1 1/8	1 3/8	1 5/8	1 1/8	1 3/8
ACS-3+0x2-M0330-L0072-0000-BB	72	330	3+0x2	3x2	251	51	78	9,500	11,000	187/250	1 1/8	1 3/8	1 5/8	1 1/8	1 3/8
ACS-3+0x2-M0379-L0144-0000-BB	144	379	3+0x2	3x2	251	51	78	9,500	11,000	238/300	1 1/8	1 5/8	2 1/8	1 3/8	1 5/8
ACS-3+0x2-M0402-L0120-0000-BB	120	402	3+0x2	3x2	251	51	78	9,500	11,000	234/300	1 1/8	1 5/8	2 1/8	1 3/8	1 5/8
ACS-3+0x2-M0431-L0096-0000-BB	96	431	3+0x2	3x2	251	51	78	9,500	11,000	228/300	1 1/8	1 5/8	2 1/8	1 3/8	1 5/8
ACS-3+0x2-M0455-L0168-0000-BB	168	455	3+0x2	3x2	251	51	78	9,500	11,000	278/350	1 1/8	1 5/8	2 1/8	1 3/8	1 5/8
ACS-3+0x2-M0475-L0144-0000-BB	144	475	3+0x2	3x2	251	51	78	9,500	11,000	274/350	1 1/8	1 5/8	2 1/8	1 3/8	1 5/8
ACS-3+0x2-M0498-L0120-0000-BB	120	498	3+0x2	3x2	251	51	78	9,500	11,000	270/350	1 1/8	1 5/8	2 1/8	1 3/8	1 5/8
ACS-3+0x2-M0528-L0096-0000-BB	96	528	3+0x2	3x2	251	51	78	9,500	11,000	264/350	1 1/8	1 5/8	2 1/8	1 3/8	1 5/8
ACS-3+0x2-M0548-L0168-0000-BB	168	548	3+0x2	3x2	251	51	78	9,500	11,000	312/400	1 1/8	1 5/8	2 1/8	1 3/8	1 5/8
ACS-3+0x2-M0568-L0144-0000-BB	144	568	3+0x2	3x2	251	51	78	9,500	11,000	308/400	1 1/8	1 5/8	2 1/8	1 3/8	1 5/8
ACS-3+0x2-M0591-L0120-0000-BB	120	591	3+0x2	3x2	251	51	78	9,500	11,000	304/400	1 1/8	1 5/8	2 1/8	1 3/8	1 5/8
ACS-3+0x3-M0495-L0216-0000-BB	216	495	3+0x3	4x3	299	51	78	12,000	13,600	323/400	1 3/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-3+0x3-M0525-L0192-0000-BB	192	525	3+0x3	4x3	299	51	78	12,000	13,600	316/400	1 3/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-4+0x2-M0709-L0168-0000-BB	168	709	4+0x2	4x3	299	51	78	12,000	13,600	368/450	1 3/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-4+0x2-M0730-L0144-0000-BB	144	730	4+0x2	4x3	299	51	78	12,000	13,600	364/450	1 3/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-4+0x2-M0753-L0120-0000-BB	120	753	4+0x2	4x3	299	51	78	12,000	13,600	360/450	1 3/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-4+0x2-M0827-L0168-0000-BB	168	827	4+0x2	4x3	299	51	78	12,000	13,600	410/500	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-4+0x2-M0848-L0144-0000-BB	144	848	4+0x2	4x3	299	51	78	12,000	13,600	406/500	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-4+0x3-M0277-L0264-0000-BB	264	277	4+0x3	4x3	299	51	78	12,000	13,600	277/350	1 3/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-4+0x3-M0611-L0240-0000-BB	240	611	4+0x3	4x3	299	51	78	12,000	13,600	387/450	1 3/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-4+0x3-M0657-L0216-0000-BB	216	657	4+0x3	4x3	299	51	78	12,000	13,600	379/450	1 3/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-4+0x3-M0678-L0288-0000-BB	288	678	4+0x3	4x3	299	51	78	12,000	13,600	434/500	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-4+0x3-M0687-L0192-0000-BB	192	687	4+0x3	4x3	299	51	78	12,000	13,600	372/450	1 3/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-4+0x3-M0714-L0264-0000-BB	264	714	4+0x3	4x3	299	51	78	12,000	13,600	426/500	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-4+0x3-M0729-L0240-0000-BB	240	729	4+0x3	4x3	299	51	78	12,000	13,600	429/500	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-4+0x3-M0774-L0216-0000-BB	216	774	4+0x3	4x3	299	51	78	12,000	13,600	421/500	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-4+0x3-M0805-L0192-0000-BB	192	805	4+0x3	4x3	299	51	78	12,000	13,600	415/500	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-5+0x2-M0843-L0168-0000-BB	168	843	5+0x2	6x4	325	51	78	14,000	16,300	410/500	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-5+0x2-M1071-L0168-0000-BB	168	071	5+0x2	6x4	377	51	78	16,800	19,100	495/600	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-5+0x3-M0694-L0288-0000-BB	288	694	5+0x3	6x4	325	51	78	14,000	16,300	435/500	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8

BB = Bitzer LT and MT reciprocating compressor EE = Copeland LT scroll compressor and MT reciprocating compressor

Model Numbers (continued)

Model Name	Low Temperature Compressor Capacity (kbtuh)	Medium Temperature Compressor Capacity (kbtuh)	Compress Configuration	Base Chassis	Physical Characteristics (Indoor Rack w/o enclosure)				Estimated Weight with Enclosure (lbs)	Amps @ 460v/3/60Hz Rack Only MCA/MOPD	Mechanical Line Connections				
					Length (in)	Width (in)	Height (in)	Estimated Weight of Rack (lbs)			Low Temp Suction	Med Temp Suction	To Gas Cooler	From Gas Cooler	Liquid Supply
ACS-5+0x3-M0730-L0264-0000-BB	264	730	5+0x3	6x4	325	51	78	14,000	16,300	427/500	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-5+0x3-M0745-L0240-0000-BB	240	745	5+0x3	6x4	325	51	78	14,000	16,300	429/500	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-5+0x3-M0790-L0216-0000-BB	216	790	5+0x3	6x4	325	51	78	14,000	16,300	422/500	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-5+0x3-M0821-L0192-0000-BB	192	821	5+0x3	6x4	325	51	78	14,000	16,300	415/500	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-5+0x3-M0872-L0336-0000-BB	336	872	5+0x3	6x4	377	51	78	16,800	19,100	533/700	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-5+0x3-M0922-L0288-0000-BB	288	922	5+0x3	6x4	377	51	78	16,800	19,100	520/600	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-5+0x3-M0957-L0264-0000-BB	264	957	5+0x3	6x4	377	51	78	16,800	19,100	512/600	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-5+0x3-M0972-L0240-0000-BB	240	972	5+0x3	6x4	377	51	78	16,800	19,100	514/600	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-5+0x3-M1018-L0216-0000-BB	216	018	5+0x3	6x4	377	51	78	16,800	19,100	507/600	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-5+0x3-M1048-L0192-0000-BB	192	048	5+0x3	6x4	377	51	78	16,800	19,100	500/600	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-6+0x3-M0867-L0336-0000-BB	336	867	6+0x3	6x4	377	51	78	16,800	19,100	527/600	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-6+0x3-M0917-L0288-0000-BB	288	917	6+0x3	6x4	377	51	78	16,800	19,100	513/600	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-6+0x3-M0952-L0264-0000-BB	264	952	6+0x3	6x4	377	51	78	16,800	19,100	505/600	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-6+0x3-M0967-L0240-0000-BB	240	967	6+0x3	6x4	377	51	78	16,800	19,100	508/600	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-6+0x3-M1013-L0216-0000-BB	216	013	6+0x3	6x4	377	51	78	16,800	19,100	500/600	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-6+0x3-M1043-L0192-0000-BB	192	043	6+0x3	6x4	377	51	78	16,800	19,100	494/600	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-6+0x3-M1070-L0336-0000-BB	336	070	6+0x3	6x4	377	51	78	16,800	19,100	603/700	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-6+0x3-M1119-L0288-0000-BB	288	119	6+0x3	6x4	377	51	78	16,800	19,100	589/700	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-6+0x3-M1155-L0264-0000-BB	264	155	6+0x3	6x4	377	51	78	16,800	19,100	581/700	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-6+0x3-M1170-L0240-0000-BB	240	170	6+0x3	6x4	377	51	78	16,800	19,100	584/700	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-6+0x3-M1187-L0336-0000-BB	336	187	6+0x3	6x4	377	51	78	16,800	19,100	645/800	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-6+0x3-M1216-L0216-0000-BB	216	216	6+0x3	6x4	377	51	78	16,800	19,100	576/700	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-6+0x3-M1237-L0288-0000-BB	288	237	6+0x3	6x4	377	51	78	16,800	19,100	632/800	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-6+0x3-M1246-L0192-0000-BB	192	246	6+0x3	6x4	377	51	78	16,800	19,100	570/700	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-6+0x3-M1273-L0264-0000-BB	264	273	6+0x3	6x4	377	51	78	16,800	19,100	624/800	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-6+0x3-M1288-L0240-0000-BB	240	288	6+0x3	6x4	377	51	78	16,800	19,100	626/800	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-6+0x3-M1334-L0216-0000-BB	216	334	6+0x3	6x4	377	51	78	16,800	19,100	619/800	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-3+0x2-M0164-L0046-0000-EE	46	164	3+0x2	3x2	251	51	78	9,500	11,000	111/150	7/8	1 3/8	1 3/8	1 1/8	1 1/8
ACS-3+0x2-M0219-L0096-0000-EE	96	219	3+0x2	3x2	251	51	78	9,500	11,000	166/200	7/8	1 3/8	1 3/8	1 1/8	1 1/8
ACS-3+0x2-M0247-L0072-0000-EE	72	247	3+0x2	3x2	251	51	78	9,500	11,000	162/200	7/8	1 3/8	1 3/8	1 1/8	1 1/8
ACS-3+0x2-M0278-L0046-0000-EE	46	278	3+0x2	3x2	251	51	78	9,500	11,000	157/200	7/8	1 3/8	1 3/8	1 1/8	1 1/8
ACS-3+0x2-M0332-L0120-0000-EE	120	332	3+0x2	3x2	251	51	78	9,500	11,000	206/250	1 1/8	1 3/8	1 5/8	1 1/8	1 3/8
ACS-3+0x2-M0352-L0096-0000-EE	96	352	3+0x2	3x2	251	51	78	9,500	11,000	203/250	1 1/8	1 3/8	1 5/8	1 1/8	1 3/8
ACS-3+0x2-M0378-L0072-0000-EE	72	378	3+0x2	3x2	251	51	78	9,500	11,000	199/250	1 1/8	1 3/8	1 5/8	1 1/8	1 3/8
ACS-3+0x2-M0449-L0120-0000-EE	120	449	3+0x2	3x2	251	51	78	9,500	11,000	248/300	1 1/8	1 5/8	2 1/8	1 3/8	1 5/8
ACS-3+0x2-M0468-L0096-0000-EE	96	468	3+0x2	3x2	251	51	78	9,500	11,000	245/300	1 1/8	1 5/8	2 1/8	1 3/8	1 5/8

BB = Bitzer LT and MT reciprocating compressor EE = Copeland LT scroll compressor and MT reciprocating compressor

Model Numbers (continued)

Model Name	Low Temperature Compressor Capacity (kbtuh)	Medium Temperature Compressor Capacity (kbtuh)	Compress Configuration	Base Chassis	Physical Characteristics (Indoor Rack w/o enclosure)				Estimated Weight with Enclosure (lbs)	Amps @ 460v/3/60Hz Rack Only MCA/MOPD	Mechanical Line Connections				
					Length (in)	Width (in)	Height (in)	Estimated Weight of Rack (lbs)			Low Temp Suction	Med Temp Suction	To Gas Cooler	From Gas Cooler	Liquid Supply
ACS-3+0x3-M0419-L0144-0000-EE	144	419	3+0x3	4x3	299	51	78	12,000	13,600	256/300	1 3/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-4+0x2-M0518-L0120-0000-EE	120	518	4+0x2	4x3	299	51	78	12,000	13,600	271/350	1 3/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-4+0x2-M0538-L0096-0000-EE	96	538	4+0x2	4x3	299	51	78	12,000	13,600	268/350	1 3/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-4+0x2-M0672-L0120-0000-EE	120	672	4+0x2	4x3	299	51	78	12,000	13,600	326/400	1 3/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-4+0x3-M0441-L0192-0000-EE	192	441	4+0x3	4x3	299	51	78	12,000	13,600	288/350	1 3/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-4+0x3-M0457-L0168-0000-EE	168	457	4+0x3	4x3	299	51	78	12,000	13,600	283/350	1 3/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-4+0x3-M0488-L0144-0000-EE	144	488	4+0x3	4x3	299	51	78	12,000	13,600	279/350	1 3/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-4+0x3-M0575-L0216-0000-EE	216	575	4+0x3	4x3	299	51	78	12,000	13,600	345/400	1 3/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-4+0x3-M0595-L0192-0000-EE	192	595	4+0x3	4x3	299	51	78	12,000	13,600	343/400	1 3/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-4+0x3-M0611-L0168-0000-EE	168	611	4+0x3	4x3	299	51	78	12,000	13,600	338/400	1 3/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-4+0x3-M0643-L0144-0000-EE	144	643	4+0x3	4x3	299	51	78	12,000	13,600	334/400	1 3/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-5+0x2-M0704-L0120-0000-EE	120	704	5+0x2	6x4	325	51	78	14,000	16,300	336/400	1 3/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-5+0x3-M0579-L0240-0000-EE	240	579	5+0x3	6x4	325	51	78	14,000	16,300	361/450	1 3/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-5+0x3-M0606-L0216-0000-EE	216	606	5+0x3	6x4	325	51	78	14,000	16,300	355/450	1 3/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-5+0x3-M0627-L0192-0000-EE	192	627	5+0x3	6x4	325	51	78	14,000	16,300	353/450	1 3/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-5+0x3-M0642-L0168-0000-EE	168	642	5+0x3	6x4	325	51	78	14,000	16,300	348/400	1 3/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-5+0x3-M0674-L0144-0000-EE	144	674	5+0x3	6x4	325	51	78	14,000	16,300	344/400	1 3/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-5+0x3-M0771-L0240-0000-EE	240	771	5+0x3	6x4	325	51	78	14,000	16,300	429/500	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-5+0x3-M0798-L0216-0000-EE	216	798	5+0x3	6x4	325	51	78	14,000	16,300	423/500	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-5+0x3-M0819-L0192-0000-EE	192	819	5+0x3	6x4	325	51	78	14,000	16,300	421/500	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-5+0x3-M0835-L0168-0000-EE	168	835	5+0x3	6x4	325	51	78	14,000	16,300	416/500	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-5+0x3-M0867-L0144-0000-EE	144	867	5+0x3	6x4	325	51	78	14,000	16,300	412/500	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-5+0x4-M0679-L0312-0000-EE	312	679	5+0x4	6x4	325	51	78	14,000	16,300	446/600	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-5+0x4-M0723-L0288-0000-EE	288	723	5+0x4	6x4	325	51	78	14,000	16,300	438/500	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-5+0x4-M0733-L0264-0000-EE	264	733	5+0x4	6x4	325	51	78	14,000	16,300	438/500	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-6+0x3-M0995-L0240-0000-EE	240	995	6+0x3	6x4	377	51	78	16,800	19,100	507/600	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-6+0x3-M1022-L0216-0000-EE	216	022	6+0x3	6x4	377	51	78	16,800	19,100	501/600	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-6+0x3-M1043-L0192-0000-EE	192	043	6+0x3	6x4	377	51	78	16,800	19,100	499/600	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-6+0x3-M1058-L0168-0000-EE	168	058	6+0x3	6x4	377	51	78	16,800	19,100	494/600	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-6+0x4-M0909-L0312-0000-EE	312	909	6+0x4	6x4	377	51	78	16,800	19,100	524/600	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-6+0x4-M0947-L0288-0000-EE	288	947	6+0x4	6x4	377	51	78	16,800	19,100	516/600	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-6+0x4-M0956-L0264-0000-EE	264	956	6+0x4	6x4	377	51	78	16,800	19,100	516/600	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8

BB = Bitzer LT and MT reciprocating compressor EE = Copeland LT scroll compressor and MT reciprocating compressor

Medium Temperature Only Model Numbers

Model Name	Low Temperature Compressor Capacity (kbtuh)	Medium Temperature Compressor Capacity (kbtuh)	Compress Configuration	Base Chassis	Physical Characteristics (Indoor Rack w/o enclosure)				Estimated Weight with Enclosure (lbs)	Amps @ 460v/3/60Hz Rack Only MCA/MOPD	Mechanical Line Connections				
					Length (in)	Width (in)	Height (in)	Estimated Weight of Rack (lbs)			Low Temp Suction	Med Temp Suction	To Gas Cooler	From Gas Cooler	Liquid Supply
ACS-3+0x0-M0226-L0000-0000-BB	NA	226	3+0x0	3x2	251	51	78	9,000	10,500	89/125	NA	1 3/8	1 3/8	1 1/8	1 1/8
ACS-3+0x0-M0348-L0000-0000-BB	NA	348	3+0x0	3x2	251	51	78	9,000	10,500	129/175	NA	1 3/8	1 3/8	1 1/8	1 1/8
ACS-3+0x0-M0422-L0000-0000-BB	NA	422	3+0x0	3x2	251	51	78	9,000	10,500	171/225	NA	1 5/8	1 5/8	1 1/8	1 3/8
ACS-3+0x0-M0551-L0000-0000-BB	NA	551	3+0x0	3x2	251	51	78	9,000	10,500	209/300	NA	2 1/8	2 1/8	1 3/8	1 5/8
ACS-3+0x0-M0651-L0000-0000-BB	NA	651	3+0x0	3x2	251	51	78	9,000	10,500	245/300	NA	2 1/8	2 1/8	1 3/8	1 5/8
ACS-3+0x0-M0747-L0000-0000-BB	NA	747	3+0x0	3x2	251	51	78	9,000	10,500	278/350	NA	2 1/8	2 1/8	1 3/8	1 5/8
ACS-4+0x0-M0914-L0000-0000-BB	NA	914	4+0x0	4x3	299	51	78	11,200	12,800	335/400	NA	2 1/8	2 1/8	1 5/8	2 1/8
ACS-4+0x0-M1036-L0000-0000-BB	NA	036	4+0x0	4x3	299	51	78	11,200	12,800	377/450	NA	2 5/8	2 1/8	1 5/8	2 1/8
ACS-5+0x0-M1053-L0000-0000-BB	NA	053	5+0x0	6x4	325	51	78	13,000	15,300	377/450	NA	2 5/8	2 1/8	1 5/8	2 1/8
ACS-5+0x0-M1289-L0000-0000-BB	NA	289	5+0x0	6x4	377	51	78	15,800	18,100	462/600	NA	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-6+0x0-M1283-L0000-0000-BB	NA	283	6+0x0	6x4	377	51	78	15,800	18,100	456/600	NA	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-6+0x0-M1493-L0000-0000-BB	NA	493	6+0x0	6x4	377	51	78	15,800	18,100	532/700	NA	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-6+0x0-M1615-L0000-0000-BB	NA	615	6+0x0	6x4	377	51	78	15,800	18,100	574/700	NA	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-2+1x0-M0211-L0000-0000-BB	NA	211	2+1x0	3x2	319	51	78	10,500	12,500	83/100	NA	1 1/8	1 1/8	7/8	1 1/8
ACS-2+1x0-M0400-L0000-0000-BB	NA	400	2+1x0	3x2	319	51	78	10,500	12,500	141/175	NA	1 5/8	1 5/8	1 3/8	1 5/8
ACS-2+1x0-M0495-L0000-0000-BB	NA	495	2+1x0	3x2	319	51	78	10,500	12,500	187/250	NA	1 5/8	1 5/8	1 3/8	1 5/8
ACS-2+1x0-M0733-L0000-0000-BB	NA	733	2+1x0	3x2	319	51	78	10,500	12,500	264/350	NA	2 1/8	2 1/8	1 5/8	1 5/8
ACS-2+1x0-M0770-L0000-0000-BB	NA	770	2+1x0	3x2	319	51	78	10,500	12,500	278/350	NA	2 1/8	2 1/8	1 5/8	1 5/8
ACS-3+1x0-M0988-L0000-0000-BB	NA	988	3+1x0	4x3	367	51	78	12,700	14,800	344/450	NA	2 1/8	2 1/8	1 5/8	2 1/8
ACS-3+2x0-M1173-L0000-0000-BB	NA	173	3+2x0	6x4	443	51	78	17,300	20,100	397/500	NA	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-4+2x0-M1278-L0000-0000-BB	NA	278	4+2x0	6x4	443	51	78	17,300	20,100	443/600	NA	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-3+2x0-M1165-L0000-0000-BB	NA	165	3+2x0	6x4	443	51	78	17,300	20,100	404/500	NA	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-4+2x0-M1412-L0000-0000-BB	NA	412	4+2x0	6x4	443	51	78	17,300	20,100	491/600	NA	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-4+2x0-M1584-L0000-0000-BB	NA	584	4+2x0	6x4	443	51	78	17,300	20,100	543/700	NA	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-4+2x0-M1562-L0000-0000-BB	NA	562	4+2x0	6x4	443	51	78	17,300	20,100	534/700	NA	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-3+0x0-M0220-L0000-0000-EE	NA	220	3+0x0	3x2	251	51	78	9,000	10,500	98/125	NA	1 3/8	1 3/8	1 1/8	1 1/8
ACS-3+0x0-M0338-L0000-0000-EE	NA	338	3+0x0	3x2	251	51	78	9,000	10,500	144/200	NA	1 3/8	1 3/8	1 1/8	1 1/8
ACS-3+0x0-M0474-L0000-0000-EE	NA	474	3+0x0	3x2	251	51	78	9,000	10,500	181/225	NA	1 5/8	1 5/8	1 1/8	1 3/8
ACS-3+0x0-M0594-L0000-0000-EE	NA	594	3+0x0	3x2	251	51	78	9,000	10,500	223/300	NA	2 1/8	2 1/8	1 3/8	1 5/8
ACS-4+0x0-M0666-L0000-0000-EE	NA	666	4+0x0	4x3	299	51	78	11,200	12,800	246/300	NA	2 1/8	2 1/8	1 5/8	2 1/8
ACS-4+0x0-M0826-L0000-0000-EE	NA	826	4+0x0	4x3	299	51	78	11,200	12,800	301/350	NA	2 1/8	2 1/8	1 5/8	2 1/8
ACS-5+0x0-M0858-L0000-0000-EE	NA	858	5+0x0	6x4	325	51	78	13,000	15,300	311/400	NA	2 1/8	2 1/8	1 5/8	2 1/8
ACS-5+0x0-M1058-L0000-0000-EE	NA	058	5+0x0	6x4	325	51	78	13,000	15,300	379/450	NA	2 5/8	2 1/8	1 5/8	2 1/8
ACS-6+0x0-M1289-L0000-0000-EE	NA	289	6+0x0	6x4	377	51	78	15,800	18,100	457/600	NA	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-2+1x0-M0201-L0000-0000-EE	NA	201	2+1x0	3x2	319	51	78	10,500	12,500	82/100	NA	1 1/8	1 1/8	7/8	1 1/8
ACS-2+1x0-M0394-L0000-0000-EE	NA	394	2+1x0	3x2	319	51	78	10,500	12,500	144/200	NA	1 5/8	1 5/8	1 3/8	1 5/8

BB = Bitzer LT and MT reciprocating compressor EE = Copeland LT scroll compressor and MT reciprocating compressor

Medium Temperature Only Model Numbers (continued)

Model Name	Low Temperature Compressor Capacity (kbtuh)	Medium Temperature Compressor Capacity (kbtuh)	Compress Configuration	Base Chassis	Physical Characteristics (Indoor Rack w/o enclosure)				Estimated Weight with Enclosure (lbs)	Amps @ 460v/3/60Hz Rack Only MCA/MOPD	Mechanical Line Connections				
					Length (in)	Width (in)	Height (in)	Estimated Weight of Rack (lbs)			Low Temp Suction	Med Temp Suction	To Gas Cooler	From Gas Cooler	Liquid Supply
ACS-2+1x0-M0492-L0000-0000-EE	NA	492	2+1x0	3x2	319	51	78	10,500	12,500	164/225	NA	1 5/8	1 5/8	1 3/8	1 5/8
ACS-2+1x0-M0574-L0000-0000-EE	NA	574	2+1x0	3x2	319	51	78	10,500	12,500	193/250	NA	2 1/8	2 1/8	1 5/8	1 5/8
ACS-3+1x0-M0732-L0000-0000-EE	NA	732	3+1x0	4x3	367	51	78	12,700	14,800	240/300	NA	2 1/8	2 1/8	1 5/8	2 1/8
ACS-3+1x0-M0959-L0000-0000-EE	NA	959	3+1x0	4x3	367	51	78	12,700	14,800	301/350	NA	2 1/8	2 1/8	1 5/8	2 1/8
ACS-4+2x0-M1036-L0000-0000-EE	NA	036	4+2x0	6x4	391	51	78	14,500	17,300	334/400	NA	2 1/8	2-1/2" Steel	1 5/8	2 1/8
ACS-3+2x0-M0937-L0000-0000-EE	NA	937	3+2x0	6x4	391	51	78	14,500	17,300	305/350	NA	2 1/8	2 1/8	1 5/8	2 1/8
ACS-4+2x0-M1275-L0000-0000-EE	NA	275	4+2x0	6x4	443	51	78	17,300	20,100	401/500	NA	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-4+2x0-M1301-L0000-0000-EE	NA	301	4+2x0	6x4	443	51	78	17,300	20,100	408/500	NA	2 5/8	2-1/2" Steel	2 1/8	2 1/8

BB = Bitzer LT and MT reciprocating compressor EE = Copeland LT scroll compressor and MT reciprocating compressor

Parallel Compression Model Numbers

Model Name	Low Temperature Compressor Capacity (kbtuh)	Medium Temperature Compressor Capacity (kbtuh)	Compress Configuration	Base Chassis	Physical Characteristics (Indoor Rack w/o enclosure)				Estimated Weight with Enclosure (lbs)	Amps @ 460v/3/60Hz Rack Only MCA/MOPD	Mechanical Line Connections				
					Length (in)	Width (in)	Height (in)	Estimated Weight of Rack (lbs)			Low Temp Suction	Med Temp Suction	To Gas Cooler	From Gas Cooler	Liquid Supply
ACS-2+1x2-M0143-L0048-0000-BB	48	143	2+1x2	3x2	319	51	78	11,000	13,000	94/125	7/8	1 1/8	1 1/8	7/8	1 1/8
ACS-2+1x2-M0275-L0096-0000-BB	96	275	2+1x2	3x2	319	51	78	11,000	13,000	160/200	1 1/8	1 3/8	1 3/8	1 1/8	1 3/8
ACS-2+1x2-M0305-L0072-0000-BB	72	305	2+1x2	3x2	319	51	78	11,000	13,000	157/200	1 1/8	1 3/8	1 3/8	1 1/8	1 3/8
ACS-2+1x2-M0328-L0120-0000-BB	120	328	2+1x2	3x2	319	51	78	11,000	13,000	213/250	1 1/8	1 5/8	1 5/8	1 3/8	1 5/8
ACS-2+1x2-M0341-L0048-0000-BB	48	341	2+1x2	3x2	319	51	78	11,000	13,000	152/200	7/8	1 3/8	1 3/8	1 1/8	1 3/8
ACS-2+1x2-M0369-L0096-0000-BB	96	369	2+1x2	3x2	319	51	78	11,000	13,000	206/250	1 1/8	1 5/8	1 5/8	1 3/8	1 5/8
ACS-2+1x2-M0401-L0072-0000-BB	72	401	2+1x2	3x2	319	51	78	11,000	13,000	203/250	1 1/8	1 5/8	1 5/8	1 3/8	1 5/8
ACS-2+1x2-M0504-L0168-0000-BB	168	504	2+1x2	3x2	319	51	78	11,000	13,000	297/350	1 3/8	2 1/8	2 1/8	1 5/8	1 5/8
ACS-2+1x2-M0533-L0144-0000-BB	144	533	2+1x2	3x2	319	51	78	11,000	13,000	294/350	1 3/8	2 1/8	2 1/8	1 5/8	1 5/8
ACS-2+1x2-M0545-L0168-0000-BB	168	545	2+1x2	3x2	319	51	78	11,000	13,000	311/400	1 3/8	2 1/8	2 1/8	1 5/8	1 5/8
ACS-2+1x2-M0564-L0120-0000-BB	120	564	2+1x2	3x2	319	51	78	11,000	13,000	290/350	1 3/8	2 1/8	2 1/8	1 5/8	1 5/8
ACS-2+1x2-M0574-L0144-0000-BB	144	574	2+1x2	3x2	319	51	78	11,000	13,000	307/400	1 3/8	2 1/8	2 1/8	1 5/8	1 5/8
ACS-2+1x2-M0606-L0120-0000-BB	120	606	2+1x2	3x2	319	51	78	11,000	13,000	303/400	1 3/8	2 1/8	2 1/8	1 5/8	1 5/8
ACS-2+1x2-M0607-L0096-0000-BB	96	607	2+1x2	3x2	319	51	78	11,000	13,000	284/350	1 3/8	2 1/8	2 1/8	1 5/8	1 5/8
ACS-2+1x3-M0473-L0216-0000-BB	216	473	2+1x3	4x3	367	51	78	13,500	15,600	322/400	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-2+1x3-M0514-L0192-0000-BB	192	514	2+1x3	4x3	367	51	78	13,500	15,600	316/400	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-3+1x2-M0780-L0168-0000-BB	168	780	3+1x2	4x3	367	51	78	13,500	15,600	377/450	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-3+1x2-M0808-L0144-0000-BB	144	808	3+1x2	4x3	367	51	78	13,500	15,600	373/450	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-3+1x2-M0839-L0120-0000-BB	120	839	3+1x2	4x3	367	51	78	13,500	15,600	369/450	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-3+1x3-M0642-L0240-0000-BB	240	642	3+1x3	4x3	367	51	78	13,500	15,600	396/500	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-3+1x3-M0704-L0216-0000-BB	216	704	3+1x3	4x3	367	51	78	13,500	15,600	388/450	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-3+1x3-M0749-L0192-0000-BB	192	749	3+1x3	4x3	367	51	78	13,500	15,600	382/450	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-3+2x2-M0956-L0168-0000-BB	168	956	3+2x2	6x4	391	51	78	15,500	18,300	437/500	1 5/8	2 1/8	2-1/2" Steel	1 5/8	2 1/8
ACS-3+2x2-M0972-L0168-0000-BB	168	972	3+2x2	6x4	391	51	78	15,500	18,300	430/500	1 5/8	2 1/8	2-1/2" Steel	1 5/8	2 1/8
ACS-3+2x2-M1001-L0144-0000-BB	144	001	3+2x2	6x4	391	51	78	15,500	18,300	426/500	1 5/8	2 1/8	2-1/2" Steel	1 5/8	2 1/8
ACS-3+2x3-M0678-L0336-0000-BB	336	678	3+2x3	6x4	391	51	78	15,500	18,300	475/600	1 5/8	2 1/8	2-1/2" Steel	1 5/8	2 1/8
ACS-3+2x3-M0745-L0288-0000-BB	288	745	3+2x3	6x4	391	51	78	15,500	18,300	462/600	1 5/8	2 1/8	2-1/2" Steel	1 5/8	2 1/8
ACS-3+2x3-M0762-L0288-0000-BB	288	762	3+2x3	6x4	391	51	78	15,500	18,300	454/600	1 5/8	2 1/8	2-1/2" Steel	1 5/8	2 1/8
ACS-3+2x3-M0794-L0264-0000-BB	264	794	3+2x3	6x4	391	51	78	15,500	18,300	454/600	1 5/8	2 1/8	2-1/2" Steel	1 5/8	2 1/8
ACS-3+2x3-M0812-L0264-0000-BB	264	812	3+2x3	6x4	391	51	78	15,500	18,300	446/600	1 5/8	2 1/8	2-1/2" Steel	1 5/8	2 1/8
ACS-3+2x3-M0818-L0240-0000-BB	240	818	3+2x3	6x4	391	51	78	15,500	18,300	457/600	1 5/8	2 1/8	2-1/2" Steel	1 5/8	2 1/8
ACS-3+2x3-M0836-L0240-0000-BB	240	836	3+2x3	6x4	391	51	78	15,500	18,300	449/600	1 5/8	2 1/8	2-1/2" Steel	1 5/8	2 1/8
ACS-3+2x3-M0882-L0216-0000-BB	216	882	3+2x3	6x4	391	51	78	15,500	18,300	449/600	1 5/8	2 1/8	2-1/2" Steel	1 5/8	2 1/8
ACS-3+2x3-M0896-L0216-0000-BB	216	896	3+2x3	6x4	391	51	78	15,500	18,300	441/600	1 5/8	2 1/8	2-1/2" Steel	1 5/8	2 1/8
ACS-3+2x3-M0925-L0192-0000-BB	192	925	3+2x3	6x4	391	51	78	15,500	18,300	442/600	1 5/8	2 1/8	2-1/2" Steel	1 5/8	2 1/8
ACS-3+2x3-M0940-L0192-0000-BB	192	940	3+2x3	6x4	391	51	78	15,500	18,300	435/500	1 5/8	2 1/8	2-1/2" Steel	1 5/8	2 1/8

BB = Bitzer LT and MT reciprocating compressor EE = Copeland LT scroll compressor and MT reciprocating compressor

Parallel Compression Model Numbers (continued)

Model Name	Low Temperature Compressor Capacity (kbtuh)	Medium Temperature Compressor Capacity (kbtuh)	Compress Configuration	Base Chassis	Physical Characteristics (Indoor Rack w/o enclosure)				Estimated Weight with Enclosure (lbs)	Amps @ 460v/3/60Hz Rack Only MCA/MOPD	Mechanical Line Connections				
					Length (in)	Width (in)	Height (in)	Estimated Weight of Rack (lbs)			Low Temp Suction	Med Temp Suction	To Gas Cooler	From Gas Cooler	Liquid Supply
ACS-4+2x2-M1084-L0168-0000-BB	168	084	4+2x2	6x4	443	51	78	18,300	21,100	476/600	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-4+2x3-M0803-L0336-0000-BB	336	803	4+2x3	6x4	443	51	78	18,300	21,100	514/600	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-4+2x3-M0873-L0288-0000-BB	288	873	4+2x3	6x4	443	51	78	18,300	21,100	500/600	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-4+2x3-M0924-L0264-0000-BB	264	924	4+2x3	6x4	443	51	78	18,300	21,100	492/600	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-4+2x3-M0942-L0336-0000-BB	336	942	4+2x3	6x4	443	51	78	18,300	21,100	561/700	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-4+2x3-M0945-L0240-0000-BB	240	945	4+2x3	6x4	443	51	78	18,300	21,100	495/600	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-4+2x3-M1011-L0216-0000-BB	216	011	4+2x3	6x4	443	51	78	18,300	21,100	487/600	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-4+2x3-M1015-L0288-0000-BB	288	015	4+2x3	6x4	443	51	78	18,300	21,100	548/700	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-4+2x3-M1051-L0192-0000-BB	192	051	4+2x3	6x4	443	51	78	18,300	21,100	481/600	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-4+2x3-M1062-L0264-0000-BB	264	062	4+2x3	6x4	443	51	78	18,300	21,100	540/700	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-4+2x3-M1083-L0240-0000-BB	240	083	4+2x3	6x4	443	51	78	18,300	21,100	543/700	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-4+2x3-M1106-L0336-0000-BB	336	106	4+2x3	6x4	443	51	78	18,300	21,100	605/700	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-4+2x3-M1128-L0336-0000-BB	336	128	4+2x3	6x4	443	51	78	18,300	21,100	614/700	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-4+2x3-M1151-L0216-0000-BB	216	151	4+2x3	6x4	443	51	78	18,300	21,100	535/700	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-4+2x3-M1175-L0288-0000-BB	288	175	4+2x3	6x4	443	51	78	18,300	21,100	592/700	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-4+2x3-M1193-L0192-0000-BB	192	193	4+2x3	6x4	443	51	78	18,300	21,100	528/700	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-4+2x3-M1197-L0288-0000-BB	288	197	4+2x3	6x4	443	51	78	18,300	21,100	600/700	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-4+2x3-M1230-L0264-0000-BB	264	230	4+2x3	6x4	443	51	78	18,300	21,100	584/700	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-4+2x3-M1245-L0240-0000-BB	240	245	4+2x3	6x4	443	51	78	18,300	21,100	587/700	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-4+2x3-M1245-L0264-0000-BB	264	245	4+2x3	6x4	443	51	78	18,300	21,100	592/700	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-4+2x3-M1267-L0240-0000-BB	240	267	4+2x3	6x4	443	51	78	18,300	21,100	595/700	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-4+2x3-M1332-L0216-0000-BB	216	332	4+2x3	6x4	443	51	78	18,300	21,100	587/700	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-2+1x2-M0139-L0046-0000-EE	46	139	2+1x2	3x2	319	51	78	11,000	13,000	95/125	7/8	1 1/8	1 1/8	7/8	1 1/8
ACS-2+1x2-M0256-L0096-0000-EE	96	256	2+1x2	3x2	319	51	78	11,000	13,000	166/200	1 1/8	1 3/8	1 3/8	1 1/8	1 3/8
ACS-2+1x2-M0296-L0072-0000-EE	72	296	2+1x2	3x2	319	51	78	11,000	13,000	162/200	1 1/8	1 3/8	1 3/8	1 1/8	1 3/8
ACS-2+1x2-M0322-L0120-0000-EE	120	322	2+1x2	3x2	319	51	78	11,000	13,000	189/250	1 1/8	1 5/8	1 5/8	1 3/8	1 5/8
ACS-2+1x2-M0337-L0046-0000-EE	46	337	2+1x2	3x2	319	51	78	11,000	13,000	157/200	7/8	1 3/8	1 3/8	1 1/8	1 3/8
ACS-2+1x2-M0350-L0096-0000-EE	96	350	2+1x2	3x2	319	51	78	11,000	13,000	186/250	1 1/8	1 5/8	1 5/8	1 3/8	1 5/8
ACS-2+1x2-M0388-L0072-0000-EE	72	388	2+1x2	3x2	319	51	78	11,000	13,000	182/225	1 1/8	1 5/8	1 5/8	1 3/8	1 5/8
ACS-2+1x2-M0415-L0120-0000-EE	120	415	2+1x2	3x2	319	51	78	11,000	13,000	218/250	1 1/8	1 5/8	1 5/8	1 3/8	1 5/8
ACS-2+1x2-M0442-L0096-0000-EE	96	442	2+1x2	3x2	319	51	78	11,000	13,000	215/250	1 1/8	1 5/8	1 5/8	1 3/8	1 5/8
ACS-2+1x3-M0372-L0144-0000-EE	144	372	2+1x3	4x3	367	51	78	13,500	15,600	226/300	1 3/8	1 5/8	1 5/8	1 3/8	2 1/8
ACS-3+1x2-M0580-L0120-0000-EE	120	580	3+1x2	4x3	367	51	78	13,500	15,600	265/350	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-3+1x2-M0609-L0096-0000-EE	96	609	3+1x2	4x3	367	51	78	13,500	15,600	262/300	1 3/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-3+1x2-M0812-L0120-0000-EE	120	812	3+1x2	4x3	367	51	78	13,500	15,600	326/400	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-3+1x3-M0468-L0192-0000-EE	192	468	3+1x3	4x3	367	51	78	13,500	15,600	282/350	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8

BB = Bitzer LT and MT reciprocating compressor EE = Copeland LT scroll compressor and MT reciprocating compressor

Parallel Compression Model Numbers (continued)

Model Name	Low Temperature Compressor Capacity (kbtuh)	Medium Temperature Compressor Capacity (kbtuh)	Compress Configuration	Base Chassis	Physical Characteristics (Indoor Rack w/o enclosure)				Estimated Weight with Enclosure (lbs)	Amps @ 460v/3/60Hz Rack Only MCA/MOPD	Mechanical Line Connections				
					Length (in)	Width (in)	Height (in)	Estimated Weight of Rack (lbs)			Low Temp Suction	Med Temp Suction	To Gas Cooler	From Gas Cooler	Liquid Supply
ACS-3+1x3-M0495-L0168-0000-EE	168	495	3+1x3	4x3	367	51	78	13,500	15,600	277/350	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-3+1x3-M0539-L0144-0000-EE	144	539	3+1x3	4x3	367	51	78	13,500	15,600	273/350	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-3+1x3-M0670-L0216-0000-EE	216	670	3+1x3	4x3	367	51	78	13,500	15,600	345/400	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-3+1x3-M0698-L0192-0000-EE	192	698	3+1x3	4x3	367	51	78	13,500	15,600	343/400	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-3+1x3-M0724-L0168-0000-EE	168	724	3+1x3	4x3	367	51	78	13,500	15,600	338/400	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-3+1x3-M0767-L0144-0000-EE	144	767	3+1x3	4x3	367	51	78	13,500	15,600	334/400	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-3+2x3-M0610-L0240-0000-EE	240	610	3+2x3	6x4	391	51	78	15,500	18,300	355/450	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-3+2x3-M0652-L0216-0000-EE	216	652	3+2x3	6x4	391	51	78	15,500	18,300	349/400	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-3+2x3-M0680-L0192-0000-EE	192	680	3+2x3	6x4	391	51	78	15,500	18,300	347/400	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-3+2x3-M0706-L0168-0000-EE	168	706	3+2x3	6x4	391	51	78	15,500	18,300	342/400	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-3+2x3-M0749-L0144-0000-EE	144	749	3+2x3	6x4	391	51	78	15,500	18,300	338/400	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-3+2x4-M0540-L0288-0000-EE	288	540	3+2x4	6x4	391	51	78	15,500	18,300	364/450	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-3+2x4-M0553-L0264-0000-EE	264	553	3+2x4	6x4	391	51	78	15,500	18,300	364/450	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-4+2x2-M0894-L0120-0000-EE	120	894	4+2x2	6x4	391	51	78	15,500	18,300	359/450	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-4+2x3-M0716-L0240-0000-EE	240	716	4+2x3	6x4	391	51	78	15,500	18,300	384/450	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-4+2x3-M0755-L0216-0000-EE	216	755	4+2x3	6x4	391	51	78	15,500	18,300	378/450	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-4+2x3-M0784-L0192-0000-EE	192	784	4+2x3	6x4	391	51	78	15,500	18,300	376/450	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-4+2x3-M0808-L0168-0000-EE	168	808	4+2x3	6x4	391	51	78	15,500	18,300	371/450	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-4+2x3-M0853-L0144-0000-EE	144	853	4+2x3	6x4	391	51	78	15,500	18,300	367/450	1 5/8	2 1/8	2 1/8	1 5/8	2 1/8
ACS-4+2x3-M0964-L0240-0000-EE	240	964	4+2x3	6x4	443	51	78	18,300	21,100	451/600	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-4+2x3-M0990-L0240-0000-EE	240	990	4+2x3	6x4	443	51	78	18,300	21,100	458/600	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-4+2x3-M1006-L0216-0000-EE	216	006	4+2x3	6x4	443	51	78	18,300	21,100	445/600	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-4+2x3-M1027-L0216-0000-EE	216	027	4+2x3	6x4	443	51	78	18,300	21,100	452/600	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-4+2x3-M1032-L0192-0000-EE	192	032	4+2x3	6x4	443	51	78	18,300	21,100	443/600	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-4+2x3-M1058-L0168-0000-EE	168	058	4+2x3	6x4	443	51	78	18,300	21,100	438/500	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-4+2x3-M1058-L0192-0000-EE	192	058	4+2x3	6x4	443	51	78	18,300	21,100	450/600	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-4+2x3-M1084-L0168-0000-EE	168	084	4+2x3	6x4	443	51	78	18,300	21,100	445/600	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-4+2x4-M0842-L0312-0000-EE	312	842	4+2x4	6x4	443	51	78	18,300	21,100	468/600	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-4+2x4-M0862-L0312-0000-EE	312	862	4+2x4	6x4	443	51	78	18,300	21,100	475/600	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-4+2x4-M0895-L0288-0000-EE	288	895	4+2x4	6x4	443	51	78	18,300	21,100	460/600	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-4+2x4-M0910-L0264-0000-EE	264	910	4+2x4	6x4	443	51	78	18,300	21,100	460/600	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-4+2x4-M0916-L0288-0000-EE	288	916	4+2x4	6x4	443	51	78	18,300	21,100	467/600	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8
ACS-4+2x4-M0930-L0264-0000-EE	264	930	4+2x4	6x4	443	51	78	18,300	21,100	467/600	1 5/8	2 5/8	2-1/2" Steel	2 1/8	2 1/8

BB = Bitzer LT and MT reciprocating compressor EE = Copeland LT scroll compressor and MT reciprocating compressor

To increase the effeciency of the system a parallel compressor option is available.

Parallel compression helps to process the flash gas coming out of the flash tank and reduces the work done by MT compressor group and hence reduce the energy used by the overall system.

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