

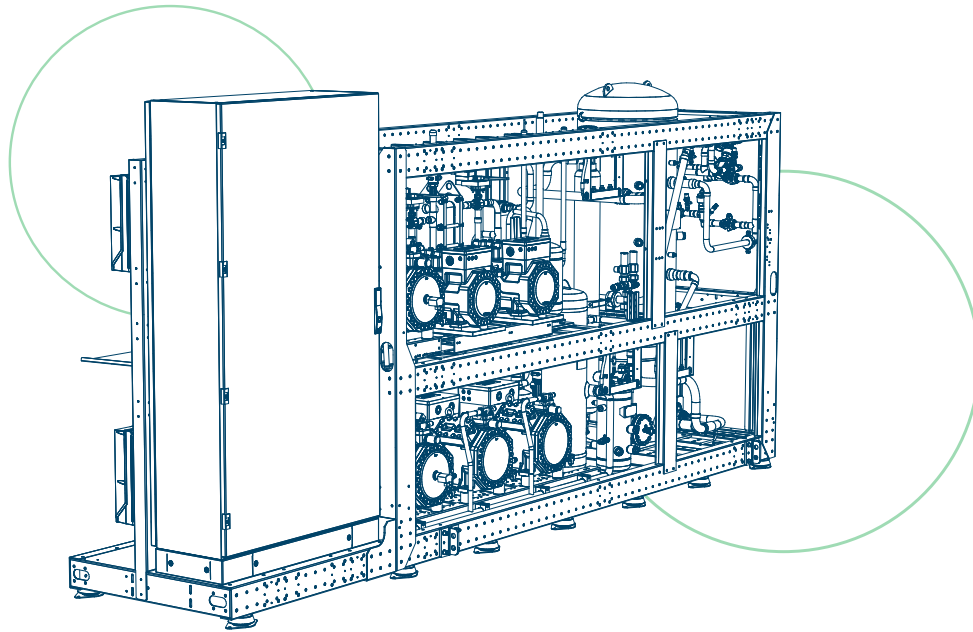


SUSTAINABLE COLD SOLUTIONS

Transcritical CO₂ Booster Rack



We know the art of achieving
a perfect temperature



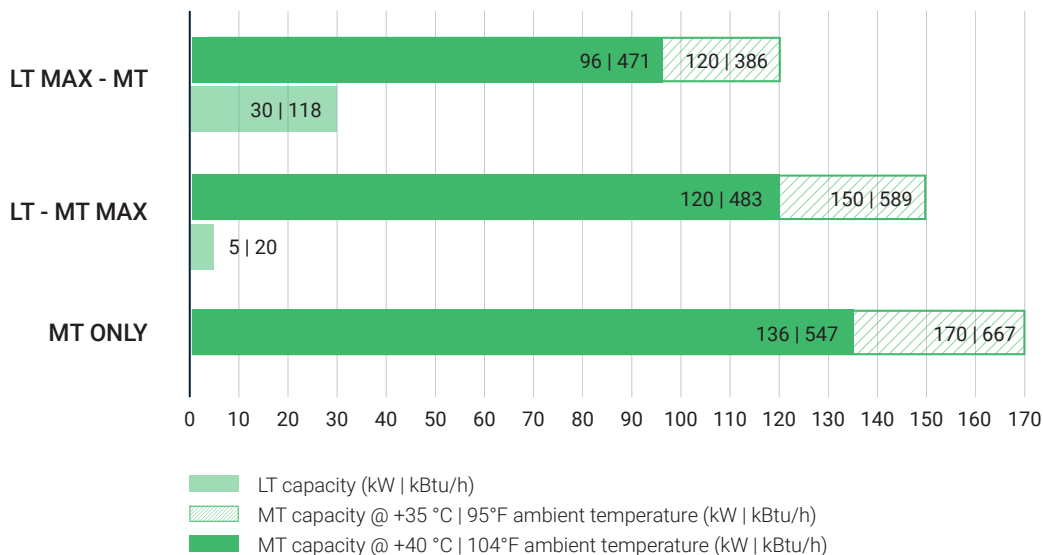
The lean line offers a range of CO2 units configured as MT only or Booster MT/LT, with the following features:

- Convenient one-side access to components, allowing for wall-mounted installation.
- Available in indoor, reach-in and «plug'n cool» versions with an integrated gas cooler.

MAIN ADVANTAGES

<p>EFFICIENCY UP IN ALL CLIMATE THANKS TO EJECTOR</p>	<p>ENHANCED CAPACITY</p>	<p>COMPACT DESIGN</p>	<p>MINIMAL MAINTENANCE</p>	<p>ENERGY EFFICIENCY</p>	<p>SCALABLE AND VERSATILE</p>	<p>LOW NOISE</p>
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Cooling Capacity



Standard Accessories

- Frequency inverter on MT lead compressor
- Maintenance-free high-efficiency oil separator
- Oil reservoir with minimum level switch
- Electronic oil level regulator for all compressors
- Replaceable oil filter strainer
- Shut-off valves on the compressors
- Common discharge manifold for safety valves (PRV)
- Dual PRV on 3-way changeover valve
- Safety switches with lock
- Full factory testing and parameter setting

- Electronic controller
- High pressure and Medium pressure valves
- Dedicated UPS for High/Flashgas Pressure Valves
- Liquid low level electronic switch
- Receiver with sight glass
- Liquid-flash internal heat exchanger
- Liquid injection
- Liquid filter dryer
- Design Pressure: 120 / 60 / 52 / 30 bar

Accessories on Request

- Frequency inverter on LT lead compressor
- Frequency inverter on IT lead compressor
- Varistep on MT lead compressor
- Varistep on IT lead compressor
- AC load (flooded evaporator)
- LSPM motors
- Back-up HP/MP valves
- Back-up controller
- Controller Carel, Wurm, RDM, Danfoss
- Electrical cabinet remote (demountable with extra cable)
- Energy meter
- LTGC with 3-way bypass valve
- Gas cooler with 3-way bypass valve
- Electrical cabinet supply power to gas cooler including fuses
- High level liquid sensor

- Liquid level control (4-20mA)
- Larger liquid receiver volumes available
- Outdoor enclosure (reach in)
- Outdoor enclosure with integrated gas cooler (PNC)
- Low noise enclosure
- Two stages Heat Recovery (Tap Water & Heating)
- Mechanical subcooler
- Ejector HP/LE and LP
- LP ejector
- Suction filter strainer MT installed
- Suction filter strainer LT installed
- MT suction accumulator
- LT suction accumulator
- Other max. design pressures available: 130 / 80 / 60 / 60 bar

Technical data Lean Booster ^(a)

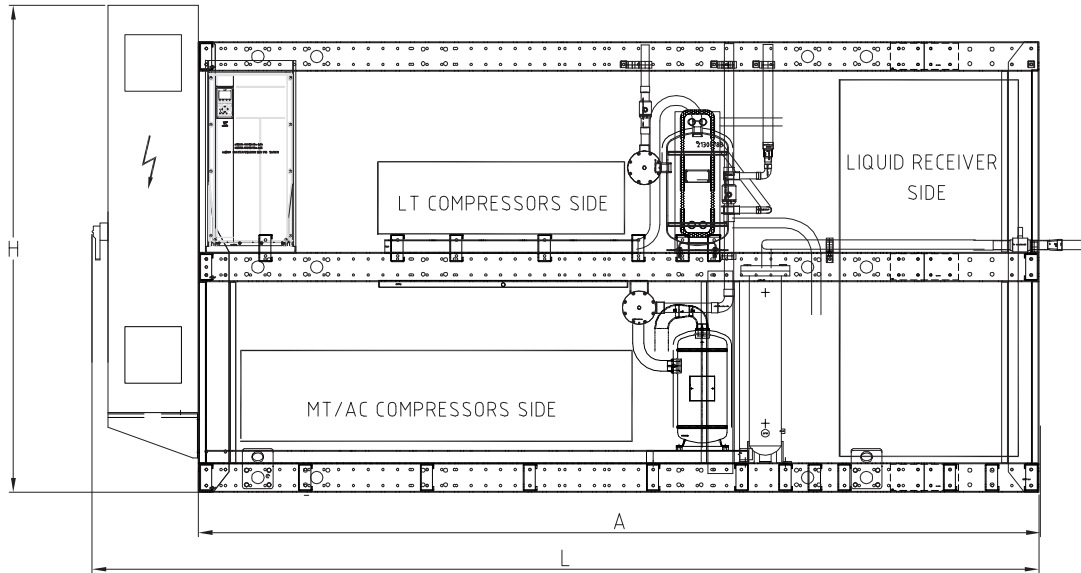
MODEL		MWL MTDX	MWL MTDX + BT
Max. Number of Compressors MT(IT) / LT ^(a)	n°	4 (2)	4 (1) / 3
MT Max. Cooling Capacity MT	kW	170	120
	kBtu/h	665	470
LT Max. Cooling Capacity LT	kW	-	50
	kBtu/h	-	195
A/C Max. Cooling Load	kW	30	30
	kBtu/h	120	120
Extra DX suction groups ^(b)		No	No
Length - min/max	mm	3210 - 4310	3210 - 4310
	inch	125 - 1700	125 - 1700
Width - min/max	mm	900	900
	inch	35	35
Height - min/max	mm	1950 - 2050	1950 - 2050
	inch	75 - 80	75 - 80
Liquid receiver volume	L	70 - 124 - 173 - 173AC - 240AC - 281 - 492	
	ft ³	2.5 - 4 - 6 - 6AC - 8.5 - 10 - 17	
Frequency Inverter range MT	Hz		30-70
Frequency Inverter range LT (option)	Hz		30-70
Electrical supply compressors / mainline	V/ph/ Hz		400/3+N/50 - 460/3+N/60

^(a) The number of IT compressors will change if LE Ejector is installed

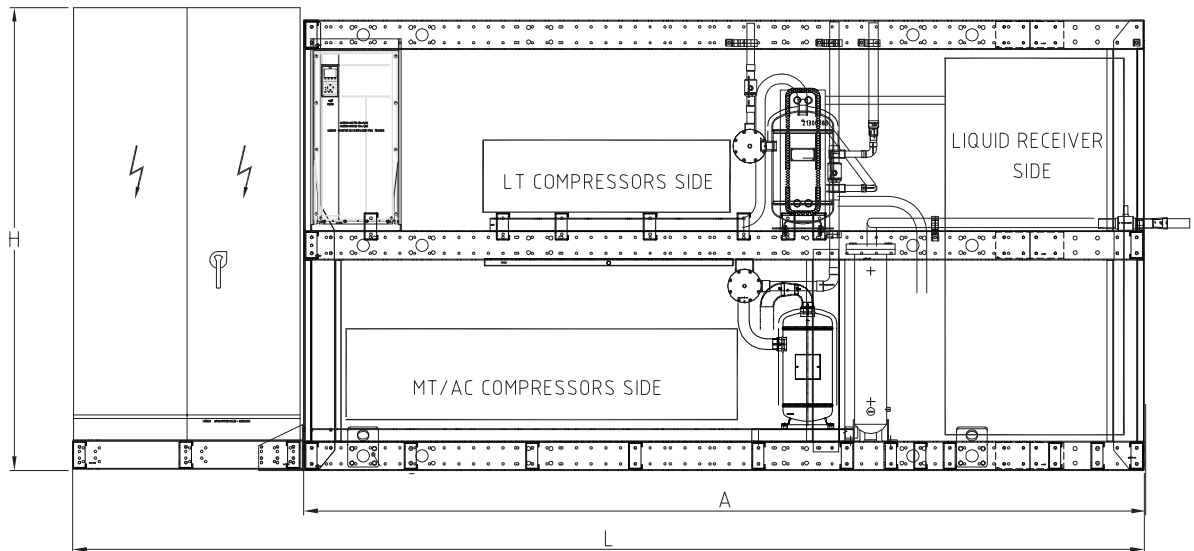
^(b) Up to a maximum of 2 MT suction groups + 2 LT suction groups together with A/C

Dimensional Data

Layout A

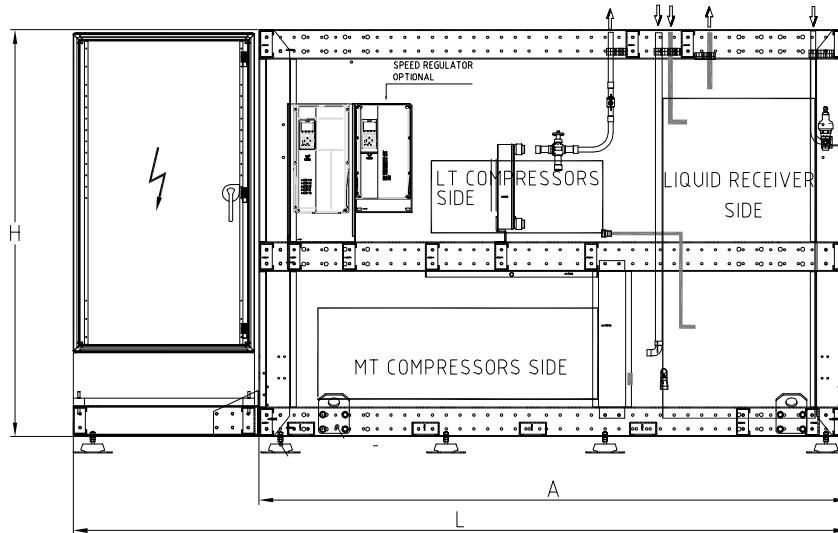


Layout B



Dimensional Data

Layout C





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