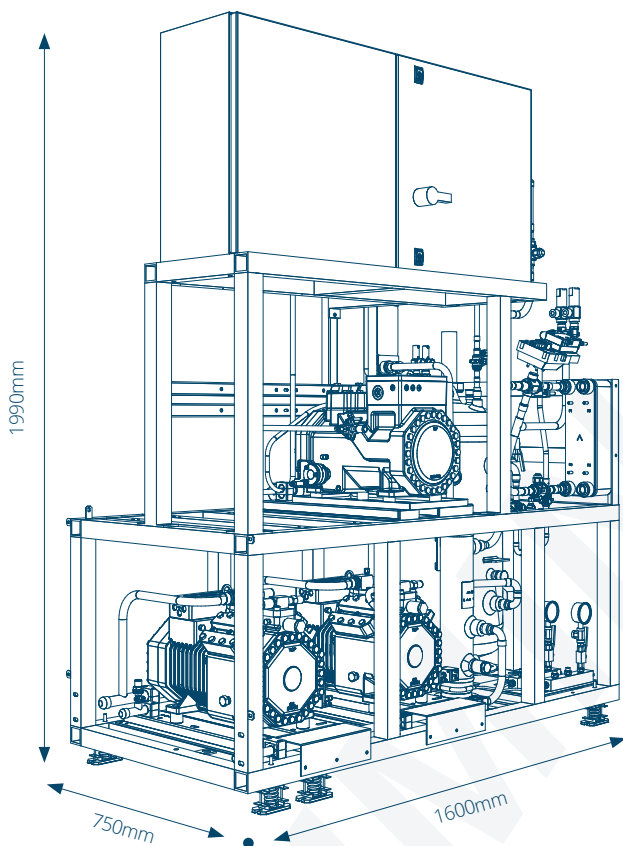




Cold Solutions for Convenience Stores



CO₂ transcritical racks



*Available with
Low Noise Box*





Common DATA

Liquid receiver volume [liters]	70
Cooling capacity modulation MT with Varistep [%]	25-100%
Electrical supply [V/ph/Hz]	400/3+N/50
Length (with frontal electrical board) [mm]	1600mm
Width [mm]	750mm
Height (with frontal electrical board) [mm]	1990mm
Max unit weight (including electrical board) [kg]	1300

Optional

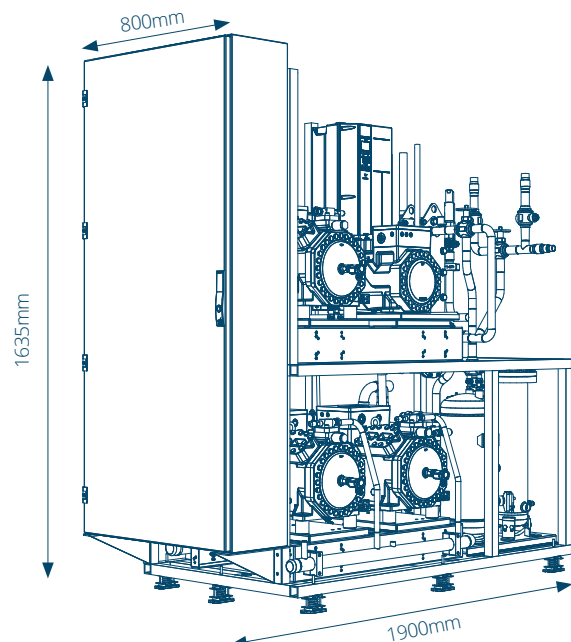
- Frequency Inverter LT 30-70 HZ
- Heat Recovery + 3-way Valve
- Low noise enclosure (approx. 2564x1350x2240)
- Electrical Panel on short side (> see picture)
- Standard enclosure for outdoor installation
- Energy Meter

Standard DESIGN PRESSURES

- High Pressure: 120 bar
- Receiver Pressure: 80 bar
- MT Suction Pressure: 60 bar (optional 80bar)
- LT Suction Pressure: 60 bar (optional 80bar)

Standard EQUIPMENT

- Electronic oil level regulator Traxoil each compressor
- Replaceable oil filter dryer
- Maintenance free oil separator with integrated oil reservoir
- Electronic minimum liquid level switch
- Liquid-Flash internal heat exchanger
- Danfoss AKPC 572 with Modbus communication with Bitzer IQ module
- Discharge Manifold connected to safety valves
- Full factory testing and parameters setting



Model	kW	
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MT ONLY

MWS 2x043 MTDX	16,16	
MWS 065+043 MTDX	21,28	
MWS 2x065 MTDX	26,4	
MWS 096+065 MTDX	32,82	
MWS 2x096 MTDX	39,24	
MWS 096+2x065 MTDX	46,11	
MWS 2x096+065 MTDX	52,44	
MWS 3x096 MTDX	58,86	

BOOSTER

	MT	LT
MWS 2x043 MTDX +UMCE 007 HBT	12,19	3,28
MWS 065+043 MTDX +UMCE 007 HBT	17,31	3,28
MWS 2x065 MTDX +UMCE 007 HBT	22,43	3,28

	MT	LT
MWS 2x065 MTDX +UMCE 010 HBT	20,14	5,2
MWS 096+065 MTDX +UMCE 010 HBT	26,56	5,2
MWS 2x096 MTDX +UMCE 010 HBT	32,98	5,2

	MT	LT
MWS 2x096 MTDX +UMCE 020 HBT	31,23	6,6
MWS 2x096+065 MTDX +UMCE 020 HBT	44,43	6,6
MWS 3x096 MTDX +UMCE 020 HBT	50,85	6,6

	MT	LT
MWS 2x096+065 MTDX +UMCE 030 HBT	42,21	8,5
MWS 3x096 MTDX +UMCE 030 HBT	48,63	8,5

	MT	LT
MWS 096+065 MTDX +UMCE 2x007 HBT	24,88	6,56
MWS 2x096 MTDX +UMCE 2x007 HBT	31,3	6,56

MT Cooling Capacity @ -8°C (50 Hz) | Tout. GC = 35° | LT Cooling Capacity @ -30°C (50 Hz)

Compressor Bitzer Models

MT CP 043	4PTC - 6K
MT CP 065	4MTC - 7K
MT CP 096	4KTC - 10K
LT CP 007	2MME - 07K
LT CP 010	2KME - 1K
LT CP 020	2JME - 2K
LT CP 030	2HME - 3K

SMART BOOSTER PRELIMINARY DATA

Products / Applications Range

Commercial Refrigeration

- Small Shops
- Restaurants
- Catering
- Petrol Stations

- Convenience stores
- Express supermarkets

- Supermarkets
- Coldrooms for food storing

Industrial Refrigeration

- Food processes
- Hypermarkets
- Logistic Centers

BOOSTER - MWT

LEAN BOOSTER - MWL

SMART BOOSTER - MWS

Available Options

	SMART BOOSTER	LEAN BOOSTER	BOOSTER
	MWS	MWL	MWT
MAX number of Transcritical compressors (MT+IT)	2/3	3	8
MAX number of Subcritical compressor	2/1	2	6
Parallel Compressor	NA	Y	Y
Digital Capacity Modulation CRII	Y	Y	Y
Ejector liquid	NA	NA	Y
Ejector vapour	NA	NA	Y
Heat Recovery (TW)	Y	Y	Y
Heat Recovery (Heating)	NA	NA	Y
Outdoor Boxed unit	Y	Y	Y
Outdoor with integrated GC	NA	Y	Y
AC Load	NA	NA	Y
Mech. Sub cooler	Y*	Y*	Y
3-way Gas Cooler by-pass valve	NA	NA	Y
Back up Controller	NA	Y	Y

Y* = yes provided spare

