



BOOSTER

SUSTAINABLE COLD SOLUTIONS

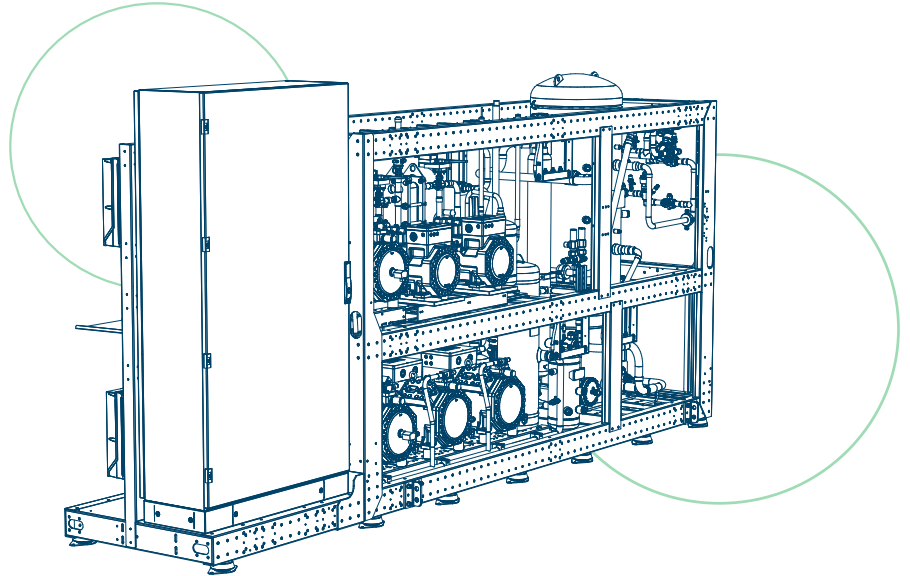
CO₂TRANSCRITICAL RACKS



We know the art of achieving
a perfect temperature

BEIJER REF

LEAN BOOSTER



Product Description

The MWL by SCM Frigo is an optimized lean line of CO₂ units available in MT-only or MT/LT booster configurations. Designed for simplicity and ease of use, it provides convenient one-sided component access ideal for wall-mounted installations. Offered in indoor or plug'n cool versions, it includes an integrated gas cooler option, delivering a streamlined and efficient refrigeration solution.

MAIN ADVANTAGES



HIGH EFFICIENCY IN
ALL CLIMATES



EJECTOR FOR
PERFORMANCE
IMPROVEMENT



LIGHT DESIGN



EASY MAINTENANCE



ENHANCED
CAPACITY

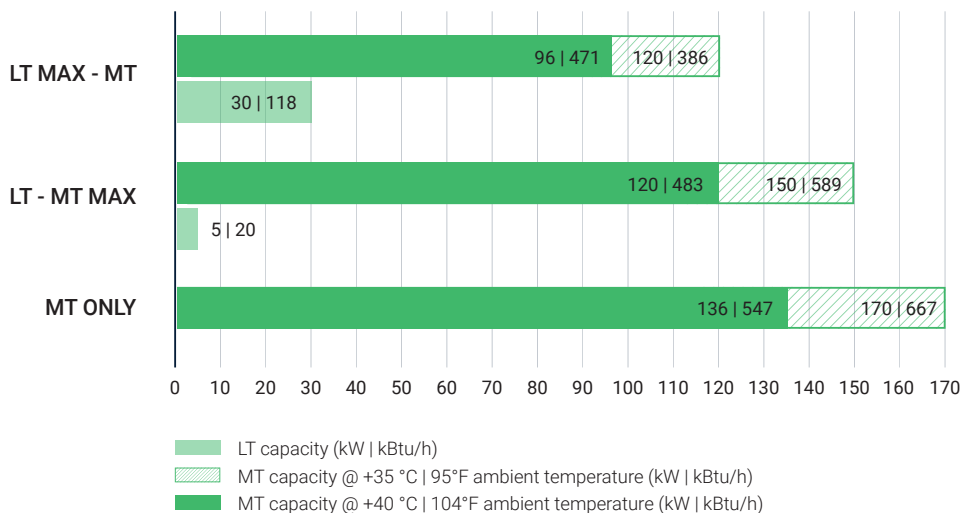


RELIABLE
PERFORMANCE



LOW NOISE

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 level control (4-20mA)
- 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
- 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

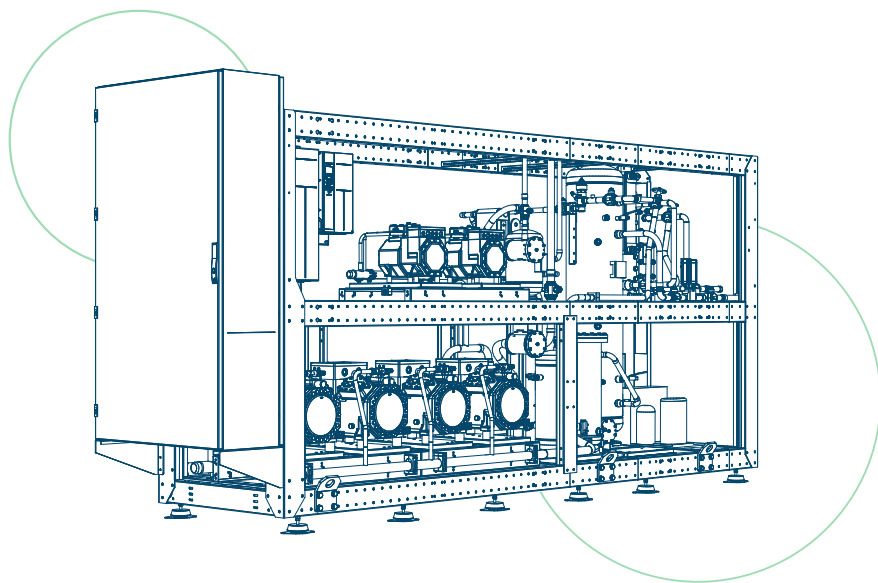
PRELIMINARY DATA

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

SMKT BOOSTER



Product Description

The MWT line by SCM Frigo, initially tailored for supermarket applications, delivers exceptional flexibility with extensive configuration options available in MT or LT only or MT/LT booster configurations. Now also ideal for light-industrial use, the SMKT Booster series offers tailored solutions through various optional features, catering precisely to each project's requirements.

MAIN ADVANTAGES



HIGH EFFICIENCY IN
ALL CLIMATES



EJECTOR FOR
PERFORMANCE
IMPROVEMENT



HIGH
CUSTOMIZATION



HIGH COOLING
CAPACITY



RELIABLE
PERFORMANCE

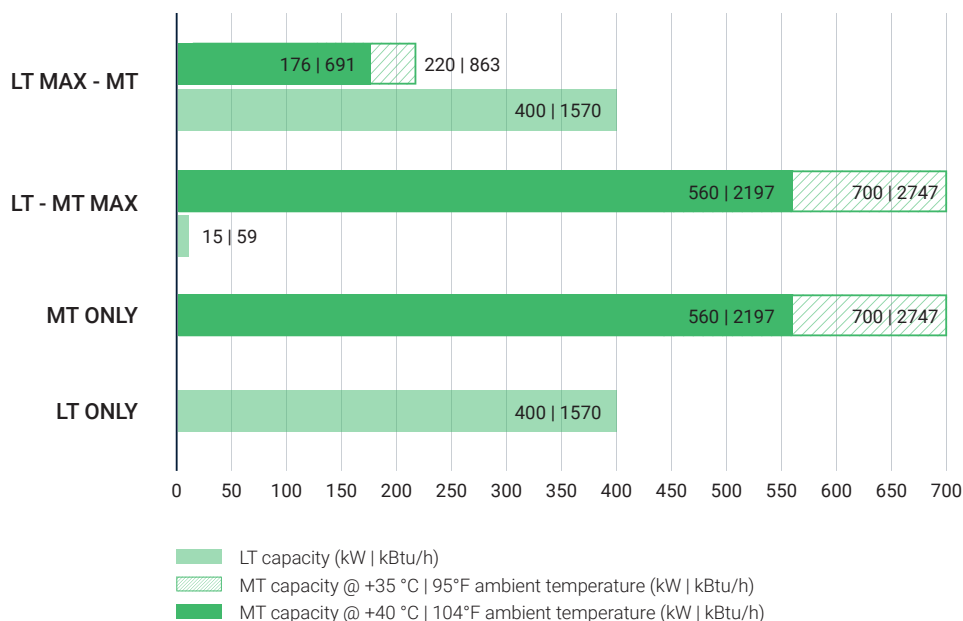


MODULAR DESIGN



STAINLESS STEEL
PIPES

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 level control (4-20mA)
- Liquid low level electronic switch
- Receiver with sight glass
- Liquid-flash internal heat exchanger
- Liquid injection
- Liquid filter dryer
- Suction filter strainer MT installed
- Suction filter strainer LT installed
- MT suction accumulator
- LT suction accumulator
- Design Pressure: 120 / 60 / 52 / 30 bar

Accessories on Request

- Frequency inverter on LT lead compressor
- Additional frequency inverters
- 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
- Larger liquid receiver volumes available
- Outdoor enclosure (reach in)
- Low noise enclosure
- Two stages Heat Recovery (Tap Water & Heating)
- Mechanical subcooler
- Ejector HP/LE and LP
- LP ejector
- Other max. design pressures available: 130 / 80 / 60 / 60 bar

PRELIMINARY DATA

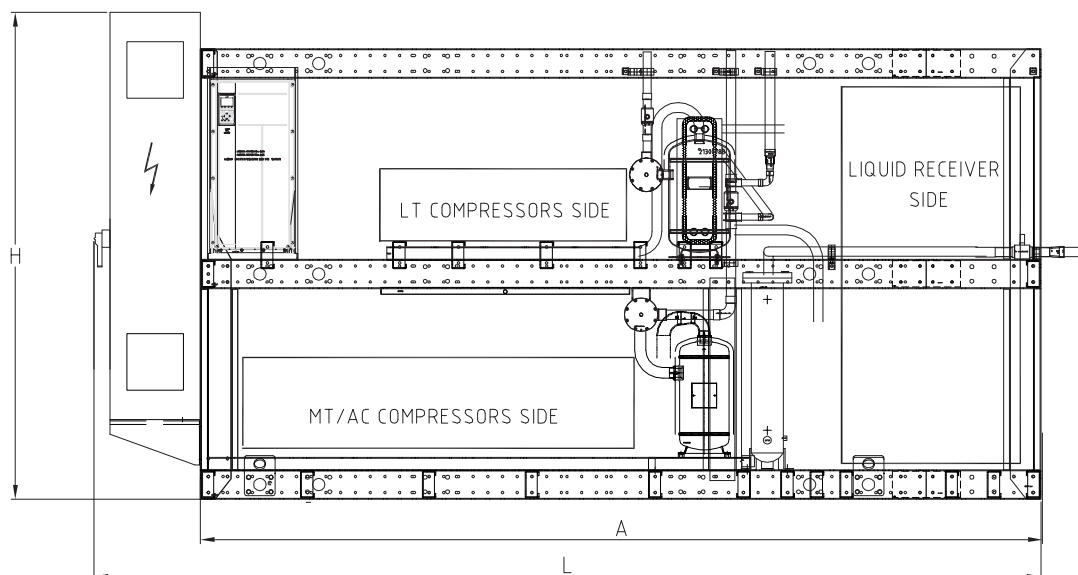
MODEL		MWT BTDX	MWT MTDX	MWT MTDX + BT
Max. Number of Compressors MT(IT) / LT ^(a)	n°	10 / 6	12 (5)	12 (5) / 4
MT Max. Cooling Capacity MT	kW	-	700	700
	kBtu/h	-	2745	2745
LT Max. Cooling Capacity LT	kW	400	-	15
	kBtu/h	1570	-	60
A/C Max. Cooling Load	kW	-	280	280
	kBtu/h	-	1100	1100
Extra DX suction groups ^(b)		Yes	Yes	Yes
Length - min/max	mm	3210 - 10000	3210 - 10000	3210 - 10000
	inch	125 - 395	125 - 395	125 - 395
Width - min/max	mm	1000 - 1300	1000 - 1300	1000 - 1300
	inch	40 - 50	40 - 50	
Height - min/max	mm	1950 - 2150	1950 - 2150	1950 - 2150
	inch	75 - 85	75 - 85	75 - 85
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

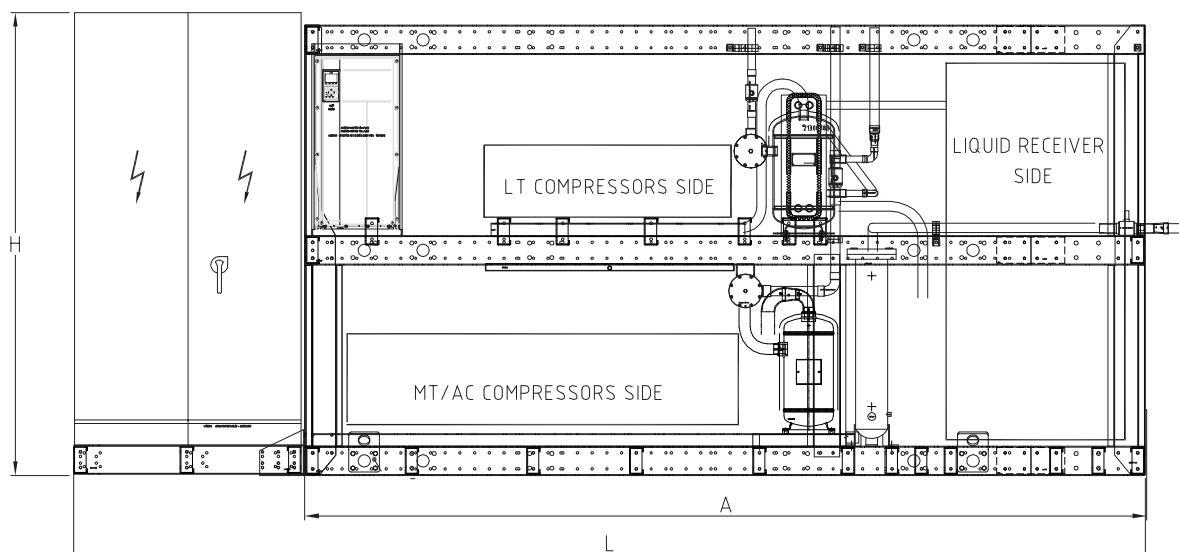
^(b) Up to a maximum of 2 MT suction groups + 2 LT suction groups together with A/C

Dimensional Data

Layout A

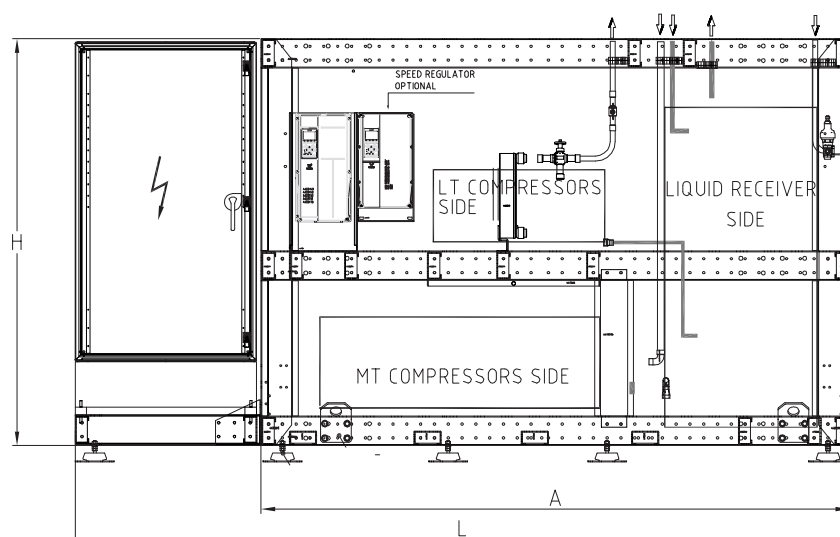


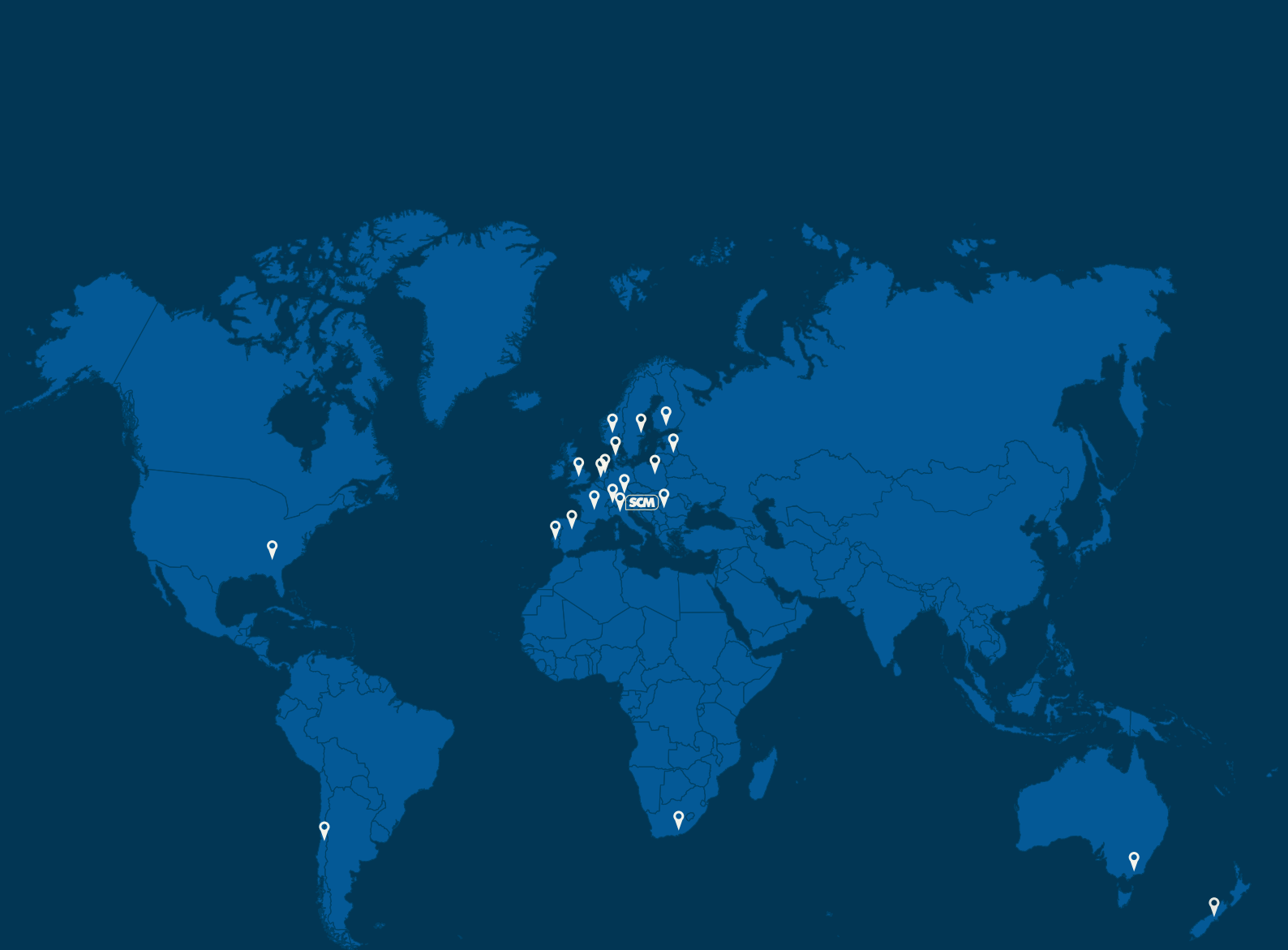
Layout B



Dimensional Data

Layout C





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