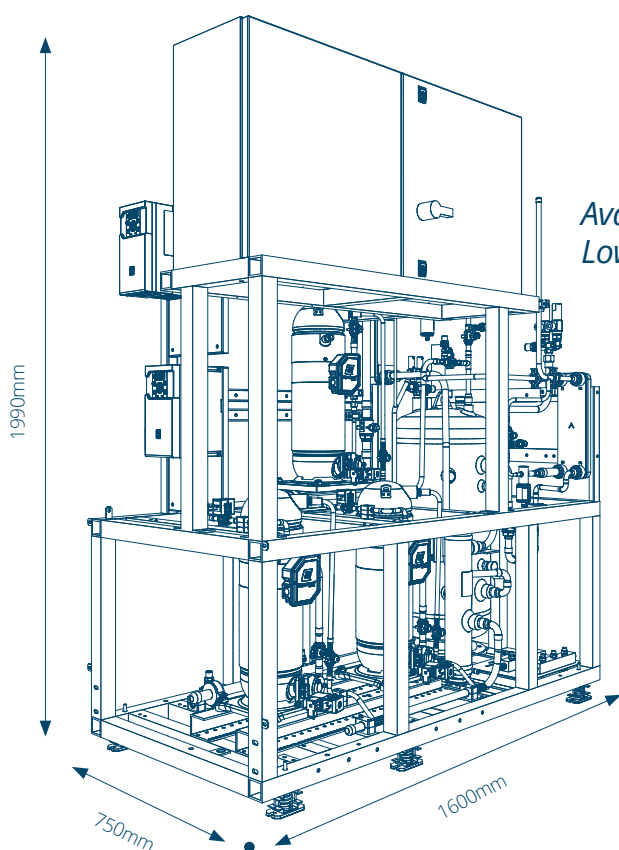




Efficiency Up *in all climate*

CO₂ transcritical racks



*Available with
Low Noise Box*

**LOW OPERATING
COSTS IN ALL
CLIMATES**
*due to vapor injection
technology*



Common DATA

Liquid receiver volume [liters]	70
MAX Cooling Capacity MT/LT Inverter Compressor	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

Optional

Heat Recovery + 3-way Valve

Standard enclosure for outdoor installation - approx. 45dB(A)

Low noise enclosure - approx. 30dB(A)

Electrical Panel on short side

Energy Meter

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

Flash Liquid heat exchanger

DVI Vapor Injection System

Dixell controller with Modbus communication

Common discharge manifold for PRV

Full Factory Tested and Programmed

Standard DESIGN PRESSURES

High Pressure: 120 bar

Receiver Pressure: 80 bar

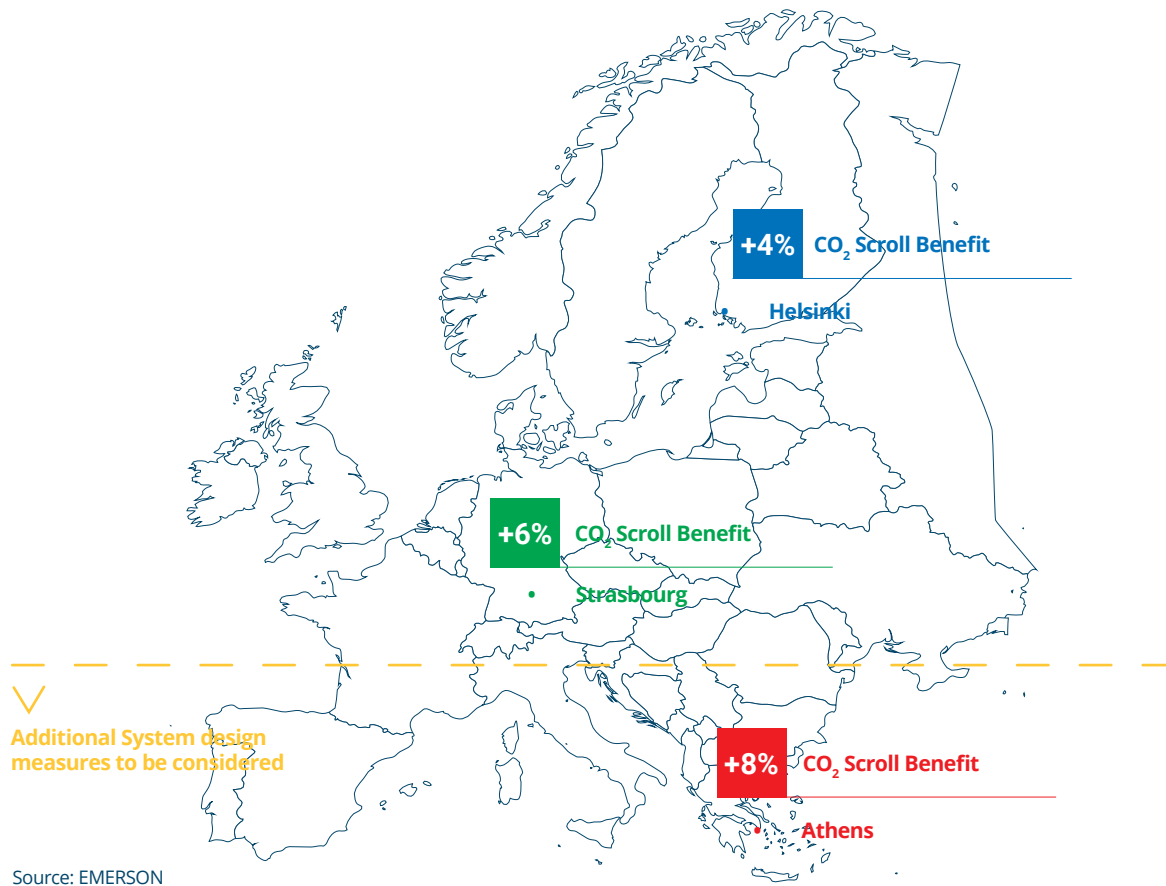
MT Suction Pressure: 60 bar (optional 80bar)

LT Suction Pressure: 60 bar (optional 80bar)

PRELIMINARY DATA

Unit Model	MT @ -8°C /37°C/91,3 bar/40 bar liquid			LT @ -33°C /-8°C/ 40 bar liquid	
	Q _o _{MIN} [kW]	Q _o _{MAX} [kW]	Q _{GC} [kW]	Q _o _{MIN} [kW]	Q _o _{MAX} [kW]
MWSR 2x028 MTDX	2,9	22,6	36,8	-	-
MWSR 2X037 MTDX	3,8	30	48	-	-
MWSR 037+063 MTDX	3,8	38,4	60,9	-	-
MWSR 048+063 MTDX	5,4	46	71,1	-	-
MWSR 063+2X037 MTDX	6,1	56,4	88,1	-	-
MWSR 063+2X048 MTDX	6,1	64	99,8	-	-
MWSR 3X063 MTDX	6,1	73,2	113,9	-	-
MWSR 2x028 MTDX + UMCE020HBT	2,9	18,2	37,5	1,9	3,8
MWSR 2X037 MTDX + UMCE020HBT	3,8	26,2	49,7	1,9	3,8
MWSR 037+063 MTDX + UMCE020HBT	3,8	34,9	63,1	1,9	3,8
MWSR 048+063 MTDX + UMCE020HBT	5,4	41,3	74,4	1,9	5,5
MWSR 063+2X037 MTDX + UMCE020HBT	6,1	51,9	91,82	1,9	5,5
MWSR 063+2X048 MTDX + UMCE020HBT	6,1	59,7	99,7	1,9	5,5
MWSR 3X063 MTDX + UMCE020HBT	6,1	69,2	99,8	1,9	5,5
MWSR 2x028 MTDX + UMCE020+010HBT	2,9	12,3	37,6	1,9	9,4
MWSR 2X037 MTDX + UMCE020+010HBT	3,8	20,3	49,9	1,9	9,4
MWSR 037+063 MTDX + UMCE020+010HBT	3,8	28,8	63,3	1,9	9,4
MWSR 048+063 MTDX + UMCE020+010HBT	5,4	35,5	74,6	1,9	11
MWSR 063+037 MTDX + UMCE020+010HBT	6,1	45,8	92,1	1,9	11
MWSR 063+048 MTDX + UMCE020+010HBT	6,1	53,5	104,2	1,9	11
MWSR 2X063 MTDX + UMCE020+010HBT	6,1	62,7	118,8	1,9	11

CO₂ Scroll Efficiency Advantage over CO₂ Standard Booster System



Key Benefits

- **Reduces system complexity *with significant total life cycle cost savings***
- **Low operating costs in all climates *due to vapor injection technology***
- **One system design *fits all climates***
- **Enables the most compact & light system designs**