

# E5S Series

## High efficiency refrigeration units for warm climates

The new **E5S/E5S-B family** has been specifically designed for warm environments, while maintaining the highest efficiency throughout the whole year. The new product is the answer to environmental concerns as it combines low energy consumption and the use of the natural refrigerant CO<sub>2</sub>.

It is also a protection of investment against cost increase and unavailability of synthetic refrigerants. While the E5S units were designed for medium temperature application only, the E5S-B is the booster version which combines MT and LT refrigeration.

Both of them are suitable for small shops because of their compactness.



### Characteristics

- High efficiency, up to 20% higher than conventional DX CO<sub>2</sub> units
- Robust design and smooth operation
- Compactness
- Stainless steel piping
- Low noise due to special mounting of compressors
- Complete backup of critical components for a trouble-free functioning
- Plug and Play unit / Easy service
- Stepless capacity control with inverter on MT
- Standard supply with 45 bar design pressure LP/IP side – 120 bar HP side
- Complete ducting of pressure relief devices
- Operation up to 40°C ambient

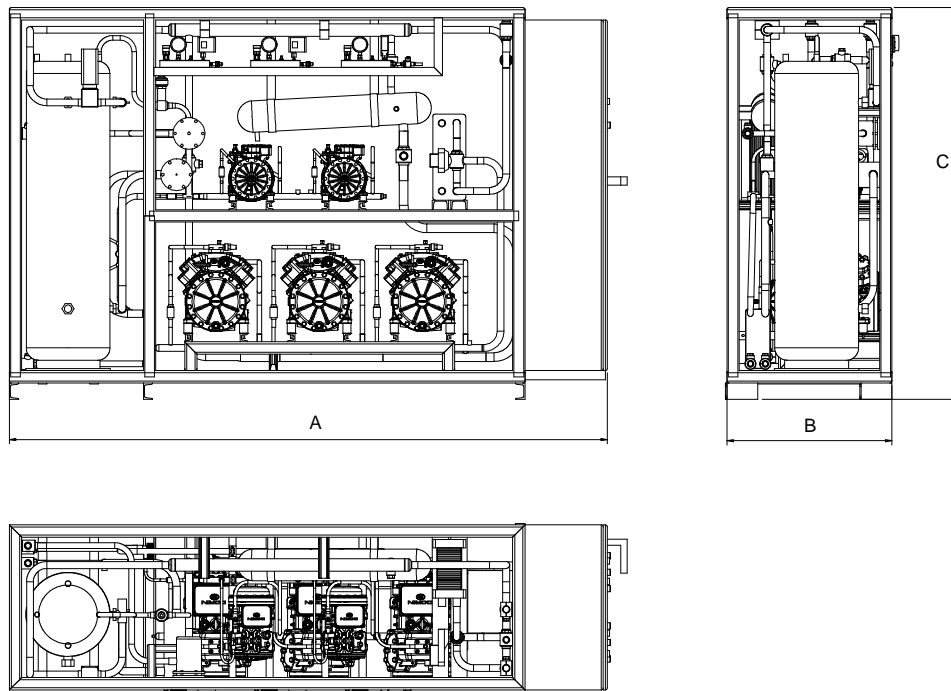


MODEL	N° of compr.			Design data		Dimensions of unit			Weight kg
	MT/LT	Q <sub>MT(a)</sub> kW	Q <sub>LT (b)</sub> kW	Power_in max kW	I max A	A mm	B mm	C mm	
E5S-9	3	21,5	--	14	31,0	2500	800	1700	900
E5S-15	3	33,5	--	21	46,0	2900	800	1700	1200
E5S-17	3	40	--	25	55,0	2900	800	1700	1200
E5S-B-9/3	3+1	16,0	5,0	15,5	34,0	2500	800	1900	1100
E5S-B-15/6	3+2	23,0	10,0	24	53,0	2900	800	1900	1400
E5S-B-17/6	3+2	29,2	10,0	28	62,0	2900	800	1900	1400

(a) Evap -8°C / Ambient 38°C (b) Evap -34°C Electrical supply 400V/3 Ph/50 Hz

# E5S Series

## Dimensions and lay-out



## Options

- Heat recovery for space and sanitary water heating
- Design pressure 60 bar LP/IP side
- Backup pressure maintaining unit
- Integrated water-cooled condenser
- Supplied with optimized low-charge condenser / gas cooler for remote installation

## Air cooled condenser/gas cooler with EC fans

UNIT MODEL	FOOTPRINT/HEIGHT mm	NOISE LEVEL dB(A) at 5 meters
E5S-9	2800x1000/1100	33
E5S-15	3400x1200/1300	33
E5S-17	3400x1200/1300	33
E5S-B-9/3	2800x1000/1100	33
E5S-B-15/6	3400x1200/1300	33
E5S-B-17/6	3400x1200/1300	33

Data subjected to change without notice