



Technical Data

Max power input.....	8,1	kW
Maximum nominal absorbed current.....	14,5	A
Current at rotor blocked.....	62,2	A
Unit frame.....	MC/LC4	
Length (A).....	1338	mm
Width (B).....	760	mm
Height (H).....	1043	mm
Weight.....	209	kg
Liquid receivers.....	10	lt
∅ Suction line.....	28	mm
∅ Discharge line.....	22	mm
∅ Liquid line.....	12	mm
PED Category.....	II	
Design pressure PS (PS min/PS max).....	17/28	bar
Design temperature TS (TS min/TS max).....	-40/100	°C
Sound power level.....	71	db(A)
Sound pressure at 10m (according with EN 13487).....	43	db(A)

Cooling output

Condensation Temperature.....	45,0	°C
Evaporation Temperature.....	-30,0	°C
Cooling output.....	5,5	kW
Electr. Absorb. power at operating conditions.....	3,94	kW
Refrigeration gas.....	R404A	
Compressor type.....	SE	
Manufacturer.....	Bitzer	
Model.....	4DES-5Y (BT)	
Number of compressors.....	1	#

Cooling capacity rating of each refrigerating circuit

Tc	Te					
	-20	-25	-30	-35	-40	-45
30	11,70	9,28	7,25	5,55	4,15	2,99
40	9,87	7,80	6,06	4,61	3,39	2,36
50	7,98	6,27	4,84	3,64	2,62	1,73

Operating conditions:

20 °C suction gas return; 0 °C liquid subcooling

Accessories

DA - discharge line anaconda.....	YES
SA - suction line anaconda.....	YES
FG - liquid line filter and sight glass.....	YES
HPC - plate condenser.....	YES
IS - acoustic insulation.....	YES
OS - oil separator.....	YES
PSS - safety high/low pressure switch.....	YES
QE - control panel with automatic switches and wiring.....	YES
S - suction liquid separator.....	YES

