

CRD25 + 1 x CCD25 with EXV valve

Unit inlet air temperature	37.0 °C	Sea level	0 m
Unit inlet air relative humidity	24.0 %	Refrigerant	R410A
Unit airflow	5500 m ³ /h	Unit power supply	400 V/3 ph/50-60Hz

Unit performances

Unit	CRD25 + 1 x CCD25 with EXV valve	Unit power input	8.94 kW
Gross total cooling capacity	27.4 kW	Net total cooling capacity	26.2 kW
Gross sensible cooling capacity	27.4 kW	Net sensible cooling capacity	26.2 kW
System power input	9.61 kW	Unit Net Sens EER	2.93
nSHR	1.00	Unit Net Total EER	2.93
Off coil air temperature	22.2 °C	System EER	2.73
Off coil air relative humidity	56.2 %	Internal filter class (EN16890 std)	Coarse 60%
Room SPL (@ 2m, f.f)	77 dB(A)	Width	300 mm
Condensing temperature	55.1 °C	Depth	1132 mm
Supply air temperature	23.0 °C	Height	2000 mm
		Weight	265 kg

Fans

Quantity	6 n°	Operating Ampere	6 x 5.18 A
Type	Normal	Full load Ampere	6 x 10.00 A
Power supply	48Vdc		
Power input	6 x 0.21 kW	Room fan modulation (%)	77.9

Compressors

Quantity	1 n°	Compressors COP	3.44
Power supply	400 V/3 ph/50-60Hz	Operating Ampere	n.a. A
Power input	7.60 kW	Full load Ampere	1 x 14.10 A
Compressors RPM	5400 rpm		

Relevant data for each condenser

Condenser model	CCD25	Max outdoor SPL (@ 5m,f.f)	53 dB(A)
Version	Standard	Actual outdoor SPL (@ 5m,f.f)	53 dB(A)
Air discharge	Vertical	Power input	0.67 kW
Power supply	400 V/3 ph/50-60Hz	Full load Ampere	1.30 A
Variex	Yes		
Heat load	35.0 kW	Width	1275 mm
Outdoor air temperature	47.0 °C	Depth	1565 mm
Condenser airflow (@ max speed)	15466 m ³ /h	Height	1245 mm
Condenser actual airflow	15466 m ³ /h	Weight	100 kg
Condenser ESP (@ max speed)	0 Pa		

Declared performances just for cooling units according to EN 14511. Products in accordance with the following Directives:

2006/42/EC; 2014/30/EU; 2014/35/EC; 2014/68/EU;

Performance data are displayed at 50Hz operating point

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OPTIONS

Electrical re-heating

Max re-heating capacity	3.00	kW	Outlet air temperature	23.8	°C
FLA	7.5	A	Outlet air relative humidity	51.1	%
Inlet air temperature	22.2	°C			
Inlet air relative humidity	56.2	%			

Humidifiers

Quantity	1	n°	Power supply	230/1/50	
Max capacity steam	1 x 2.00	kg/h	Nominal power input	1 x 1.50	kW
Min capacity steam	1 x 0.60	kg/h	Max absorption current	1 x 6.5	A
Type of Humidifier	electrodes immersed				

Performance data are displayed at 50Hz operating point