Data sheet

Project:	CRL 211 AS
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Unit

Unit type:	CRL 211 AS				
Cooling capacity (total):	18,8	kW	Airflow:	4 600	m³/h
Cooling capacity (sensible):	18,8	kW	Air velocity:	3,5	m/s
Net total cooling capacity:	18,0	kW	Return air temperature:	30	°C
Net sensible cooling capacity:	18,0	kW	Return air humidity:	25	rel.%
Condensing temperature:	52	°C	Supply air temperature:	18	°C
EER:	2,18	kW/kW	Altitude above sea level:	0	m
AER:	0,17	W/(m³/h)	Height:	1 950	mm
Sound power level:	83,8	dB(A)	Width:	300	mm
LpA (2m freefield):	63,9	dB(A)	Depth:	1 375	mm
Number of refrigerant circuits:	1		Weight:	230	kg
Number of compressors:	1		Refrigerant:	R410A.	
Total power consumption:	8,6	kW	Power supply:	400V/50Hz/3Ph/N/PE	

Fan (Data per unit)

Supply air direction:	Supply air left/right		Power consumption:	0,8	kW
Fan type:	K3G225		ESP external static pressure:	0	Pa
Number:	5		Total pressure drop:	322	Pa
Max. revolutions:	2 853	rpm	Control voltage:	9,3	V
Nominal power:	0,9	kW			
Revolutions:	2 787	rpm			

Compressor (Data per compressor)

Circuit EC compressor

Electrical power consumption:	7,5	kW
Heat rejection:	26,3	kW
COP:	2,51	kW/kW
Number:	1	
Evaporating temperature:	6,6	°C
Compressor speed:	120	rps

Condenser

Unit type:	KSV029A22p		Weight:	84	kg
Ambient temperature:	40	°C	Current consumption (per fan):	3,10	A
Sound pressure group:	Standard		Power consumption (per fan):	0,71	kW
Required condenser capacity:	26,3	kW	Height:	907	mm
Available condenser capacity:	28,6	kW	Width:	1 880	mm
Difference:	8,7	%	Depth:	770	mm
Number of fans:	2		Airflow:	12 000	m³/h
Number of condensers:	1		LpA (5m freefield):	51,1	dB(A)