

Data sheet

Project: STISC InstalClimat
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STULZ

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Unit

Unit type:	CRS 211 AS		
Cooling capacity (total):	22,0 kW	Airflow:	4 600 mi/h
Cooling capacity (sensible):	22,0 kW	Air velocity:	3,5 m/s
Net total cooling capacity:	21,2 kW	Return air temperature:	35 °C
Net sensible cooling capacity:	21,2 kW	Return air humidity:	25 rel.%
Condensing temperature:	45 °C	Supply air temperature:	21 °C
EER:	2,97 kW/kW	Altitude above sea level:	0 m
AER:	0,17 W/(mi/h)	Height:	1 950 mm
Sound power level:	83,9 dB(A)	Width:	300 mm
LpA (2m freefield):	64,0 dB(A)	Depth:	1 200 mm
Number of refrigerant circuits:	1	Weight:	220 kg
Number of compressors:	1	Refrigerant:	R410A.
Total power consumption:	7,4 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:	2 854 rpm	Control voltage:	9,3 V
Nominal power:	0,9 kW		
Revolutions:	2 795 rpm		

Compressor (Data per compressor)

Circuit EC compressor	
Electrical power consumption:	6,3 kW
Heat rejection:	28,4 kW
COP:	3,46 kW/kW
Number:	1
Evaporating temperature:	7,7 °C
Compressor speed:	120 rps

Condenser

Unit type:	KSV029A22p	Weight:	84 kg
Ambient temperature:	32 °C	Current consumption (per fan):	3,10 A
Sound pressure group:	Standard	Power consumption (per fan):	0,71 kW
Required condenser capacity:	28,4 kW	Height:	907 mm
Available condenser capacity:	31,5 kW	Width:	1 880 mm
Difference:	10,9 %	Depth:	770 mm
Number of fans:	2	Airflow:	12 000 mi/h
Number of condensers:	1	LpA (5m freefield):	51,1 dB(A)