

Data sheet

Project: STISC
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Unit

Unit type:	ASD 241 A		
Cooling capacity (total):	29,6 kW	Airflow:	7 160 mi/h
Condensing temperature:	45 °C	Air velocity:	2,7 m/s
EER:	3,84 kW/kW	Return air temperature:	24 °C
AER:	0,17 W/(mi/h)	Return air humidity:	50 rel.%
Sound power level:	76,6 dB(A)	Supply air temperature:	13 °C
LpA (2m freefield):	56,5 dB(A)	Altitude above sea level:	0 m
Number of refrigerant circuits:	1	Height:	1 980 mm
Number of compressors:	1	Width:	950 mm
Total power consumption:	7,7 kW	Depth:	890 mm
		Weight:	356 kg
		Refrigerant:	R410A.
		Power supply:	400V/50Hz/3Ph/N/PE

Fan (Data per unit)

Fan type:	R3G595	Power consumption:	1,2 kW
Number:	1	ESP external static pressure:	20 Pa
Max. revolutions:	1 411 U/min	Total pressure drop:	370 Pa
Nominal power:	2,9 kW	Control voltage:	6,9 V
Revolutions:	1 018 rpm	Motor-efficiency:	86 %

Compressor (Data per compressor)

Electrical power consumption:	6,5 kW
Heat rejection:	36,2 kW
COP:	4,52 kW/kW
Number:	1
Evaporating temperature:	10,5 °C

Condenser

Unit type:	KSV037A22p	Weight:	94 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:	36,2 kW	Height:	907 mm
Available condenser capacity:	37,6 kW	Width:	1 880 mm
Difference:	2,6 %	Depth:	770 mm
Number of fans:	2	Airflow:	13 000 mi/h
Number of condensers:	1	LpA (5m freefield):	57,5 dB(A)