

High Technology in Refrigeration Devices

Offer number:

Customer / Project :

Date: **2010.10.19.**

Air Cooled CCAC: selection chart

Requested Model:		...
Air Flow configuration [Up Flow/ Down Flow]		Upflow
Refrigerant		R407C
Type of compressor (s)		-
N° of refrigerating Circuits		-
	Plug	-
Type of Fans	Centrifugal	-
	Belt driven	-
Requested Cooling Capacity	[kW]	-
	[°C]	24
Indoor conditions	[%]	50
Outdoor Air Temperature (air cooled)	[°C]	35
Water Temperature In/Out (water cooled)	[°C]	-
Chilled Water Temperature In/Out	[°C]	-
Percentage of glycol	[%]	-
Requested available pressure Head for the recirculating air	[Pa]	-
Condensing unit	[Y/N]	Y
Dry Cooler	[Y/N]	-
	[Y/N]	-
Humidifier	Capacity	-
Water Temperature IN / OUT (Heating Mode)	[°C]	-
	[Y/N]	-
E Heater	Capacity	-
	[Y/N]	N
Base Frame	[mm]	-
	[Y/N]	N
Front Discharge Plenum		
		Lp =..... (dB-A) @ m
Requested Indoor Noise Level	[dB-A]	Lw =..... (dB-A)
		Lp =..... (dB-A) @ m
Requested Outdoor Noise Level	[dB-A]	Lw =..... (dB-A)

Note:

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Outputs

Selected Model	Jauc0110	
Total cooling capacity	[kW]	10,60
Sensible cooling capacity	[kW]	10,60
SHR	[-]	1,00
Cp absorbed power	[kW]	2,60
Fans absorbed power	[kW]	0,56
Total absorbed power	[kW]	3,2
Cp absorbed current	[A]	5,17
Fans absorbed current	[A]	3,2
Total absorbed current	[A]	8,4
Nominal air flow	[m ³ /h]	3530
Leaving air temperature	[°C]	15,10
Air speed in coil	[m/s]	2,18
Number e type of fans	[-]	2 x centrifugal 'Nicotra'
Max available head	[Pa]	20
Lp @ Nominal rpm ; dist.= 2 m Q=2	[dBA]	49
Type of compressor	[-]	Scroll Copeland
N° of cp/ circuits	[-]	1/1
FLA (without options)	[A]	7
LRA (without options)	[A]	46
Oil charge	[dm ³]	1,10
Electrical heating capacity	[kW]	3,2
Max Humidifier capacity	[kg/h]	3
Humidifier absorbed power	[kW]	2,25
Evaporator front area	[m ²]	0,45
Rows	[-]	3
Fins	[mm]	Hydrophilic without silicates
Condensers	[-]	Remote condenser
Refrigerant	[-]	R407C
Power supply	[V/ph/Hz]	400 / 3+N / 50
Dimensions (L x H x D)	[mm]	900 x 1.875 x 449
Weight	[kg]	210

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Remote condenser (standard version)

Model		SHVN 13/9
Capacity @ 35 °C outside T	[kW]	13,20
Air Flow	[m ³ /h]	3200
Lp Sound Pressure level @ 10m free field	[dBA]	41
Dimensions (L x D x H)	[mm]	1060x305x460
Power supply	[V/ph/Hz]	230/1/50
Water: Pressure drop	[kPa]	-
Motor power consumption	[W]	270
Current absorbed	[A]	1,20
Weight net	[kg]	25
Fans	[-]	2 x 330

Remote condenser (low noise version)

Model		SHVS 18/0
Capacity @ 35 °C outside T	[kW]	16,96
Air Flow	[m ³ /h]	4500
Lp Sound Pressure level @ 10m free field	[dBA]	35
Dimensions (L x D x H)	[mm]	1853x560x352
Power supply	[V/ph/Hz]	230/1/50
Water: Pressure drop	[kPa]	-
Motor power consumption	[W]	210
Current absorbed	[A]	1,00
Weight net	[kg]	42
Fans	[-]	3 x 350