CLIMAVENETA

TECHNICAL SELECTION
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TECHNICAL SELECTION

SAU/O030M

R HFC R-410A

SCROLL

Model		SAU/O030M
Version		-
Frame		-
Primary circuit type		DIRECT EXPANSION AIR COOLED
No. Circuits	N°	1
Refrigerant		R410A

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Changes for the Better

1.1 INDOOR UNIT

MAIN CIRCUIT		
DESIGN CONDITIONS		
Dry bulb temperature	°C	24.0
Relative humidity	%	35
Altitude	m	0
Air flow	m³/h	9000
ESP External Static Pressure	Pa	20
Outdoor air temperature	°C	35.0
Coil working pressure		-
PERFORMANCE AT DESIGN CONDITIONS		
Total cooling capacity gross	kW	29.3
Sensible cooling capacity gross	kW	29.3
Net cooling capacity	kW	27.4
Net sensible cooling capacity	kW	27.4
SHR		1.00
EER (Indoor unit)	kW/kW	3.17
Total power input (Comp.+fans)	kW	9.24
Leaving air temperature	°C	14.9
Leaving air relative humidity	%	61
Effective heat exchange area		-
COMPRESSORS		
Compressor type		SCROLL
Compressors nr.	N°	1
Compressors power absorption	kW	7.33
FANS		
Fans type		EC fan
Quantity	N°	1
Air flow	m³/h	9000
Fans power input	kW	1.90
Static pressure maximum attainable	Pa	282
SPF (Specific Power Factor)	W / l/s	0.76
ACCESSORIES		
ELECTRICAL HEATER		
Heater description		Tubular-Finned 9kW
Quantity	N°	1
Steps	N°	3
Eletrical power abs.	kW	9.00
Max absorbed current (FLA)	A	13.6
Power supply	V/ph/Hz	380/3/50

The performance shown are obtained from theoretical calculations and tolerances will apply.Rpt.version:1.0.7.0

HUMIDIFIER		
Humidifier type		Steam Humidifier 5kg/h
Quantity	N°	1
Capacity	kg/h	5.0
Elettrical power abs.	kW	3.75
Max absorbed current (FLA)	A	5.70
Power supply	V/ph/Hz	380/3/50
FILTERS		
Accessory filter type		COARSE 60% (ISO EN 16890)

NOISE DATA										
Spectrum	Hz	63	125	250	500	1000	2000	4000	8000	Tot
		dB	dB	dB	dB	dB	dB	dB	dB	dB(A)
Sound Power		65	69	70	67	68	68	61	57	73
Total sound Pressure		49	53	54	51	52	52	45	41	57
Distance	m					1				
Note										
Note		Average sound pressure level, at 1 m distance, unit in a free field on a reflective surface according to ISO3744. Non-binding value obtained from the sound power level.								

WEIGHT & DIMENSIONS		
A	mm	890
B	mm	990
H	mm	1990
Weight	kg	320

ELECTRICAL DATA (refer to indoor unit)		
Power supply	V/ph/Hz	380/3+N/50
Max Electrical power absorbed (FLI)	kW	21.7
Max absorbed current (FLA)	A	38.8
Max inrush current (SA)	A	126
Power input (OI)	kW	9.24

1.2 REMOTE CONDENSER

MAIN CIRCUIT

REMOTE CONDENSER

Code		C33
Quantity	N°	1
Version		STD
Circuits	N°	1
Outdoor air temperature	°C	35.0
Condensing temperature	°C	51.4
Air flow	m³/h	9200
Rejection capacity	kW	36.2

FANS

Fans power input	kW	0.46
Quantity	N°	2
Project pressure	Pa	0

WEIGHT & DIMENSIONS

Dimension A	mm	2005
Dimension B	mm	905
Dimension H	mm	830
Weight	kg	80
Packaged dimension A	mm	2305
Packaged dimension B	mm	1130
Packaged dimension H	mm	1190
Package weight	kg	119

ELECTRICAL DATA

Power supply	V/ph/Hz	220/1/50
Power input (OI)	kW	0.46
Total power input	kW	0.60
Max absorbed current	A	2.50

AIR SUPPLY REMOTE CONDENSER

Supply air direction		None air delivery selected

NOISE DATA

Spectrum	Hz	63	125	250	500	1000	2000	4000	8000	Tot
		dB	dB	dB	dB	dB	dB	dB	dB	dB(A)
Sound Power		50	64	69	70	68	64	57	48	78
Total sound Pressure		34	48	53	54	52	48	41	32	62
Distance	m					1				

Note

Note	Average sound pressure level, at 1 m distance, unit in a free field on a reflective surface according to ISO3744. Non-binding value obtained from the sound power level.