Calculation and Selection Result

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Project 1: Project1

Project Information

Project name	Project1	Project ref	Project1_V1
Country		Date	2024-9-13
City		Client address	
Altitude(m)	0	Client name	

Equipment List

Model	Description	Quantity
CFDA 015.0 CC2 R3-30C	2-Pipe FCU/3-Row Duct	1

FCU1

Input Information

General Data				
Series	2-Pipe FCU	Electric heater		No
Type	Duct	Fan motor type		AC
Product name	3-Row Duct	Fan speed		High
Design according to	Cooling mode	Air flow	m^3/h	/
Pipe connection direction	Left	ESP	Pa	0
Calculate Type	Fixed Temperature Difference	Cooling capacity	kW	5.00
Antifreeze type	None	Sensible capacity	kW	/
Air volume deviation limit (%)	/	Heating capacity	kW	/
Capacity deviation limit (%)	20			

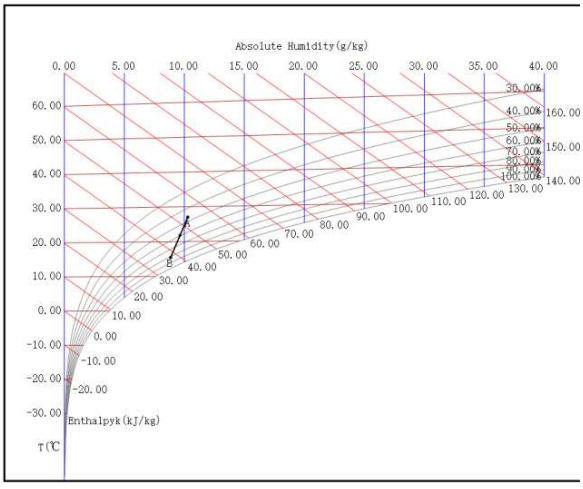
Specifications CFDA 015.0 CC2 R3-30C (1)

Unit model					
CFDA 015.0 CC2 R3-30C					
Fan motor data					
Type		Duct	Fan speed		High
Quantity		1	Air flow	m^3/h	1029
Power supply		220-240/1/50	ESP	Pa	0
Power input	W	83	Rated current	A	0.38
Cooling					
Inlet air temp (DB/WB)	°C	27.0/19.0	Total capacity	kW	5.24
Outlet air temp (DB/WB)	°C	15.4/13.6	Sensible capacity	kW	3.97
Inlet water temp	°C	7.0	Water flow	m^3/h	0.90
Outlet water temp	°C	12.0	Water pressure drop	kPa	25.45
Coil Data			**Water Pipe Diameter**		
Face area	m^2	0.15	Inlet pipe	mm	RC⌀19.1
Tube diameter	mm	7	Outlet pipe	mm	RC⌀19.1
Rows		3	Drain pipe	mm	R⌀19.1
Body Dimensions			**Panel Dimensions**		
Dimension (W*H*D)	mm	908*243*482	Dimension (W*H*D)	mm	/
Packing size (W*H*D)	mm	978*270*520	Packing size (W*H*D)	mm	/
Net weight	kg	17.60	Net weight	kg	/
Gross weight	kg	20.20	Gross weight	kg	/
Sound Pressure Level Data			**Electrical Heater**		
High/Medium/Low	dB(A)	42.0/36.0/27.0	Capacity	kW	/

Note:Sound Pressure Level is tested in a semi-anechoic test room.

Enthalpy-Humidity Chart

humidity chart of cooling

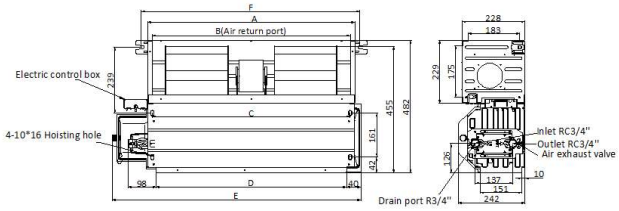


Appearance

Selected FCU model
CFDA 015.0 CC2 R3-30C

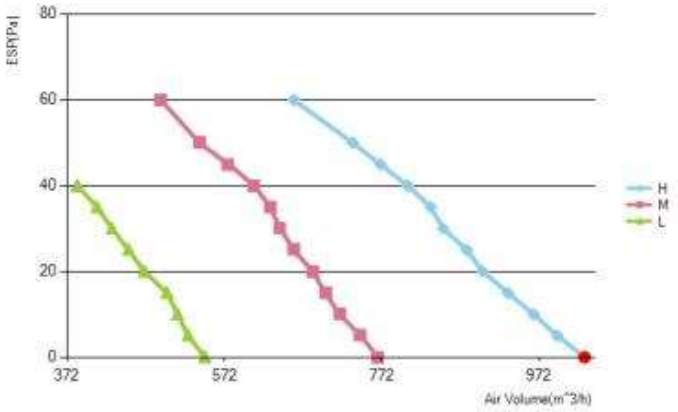

Dimensions

(Unit: mm):CFDA 015.0 CC2 R3-30C

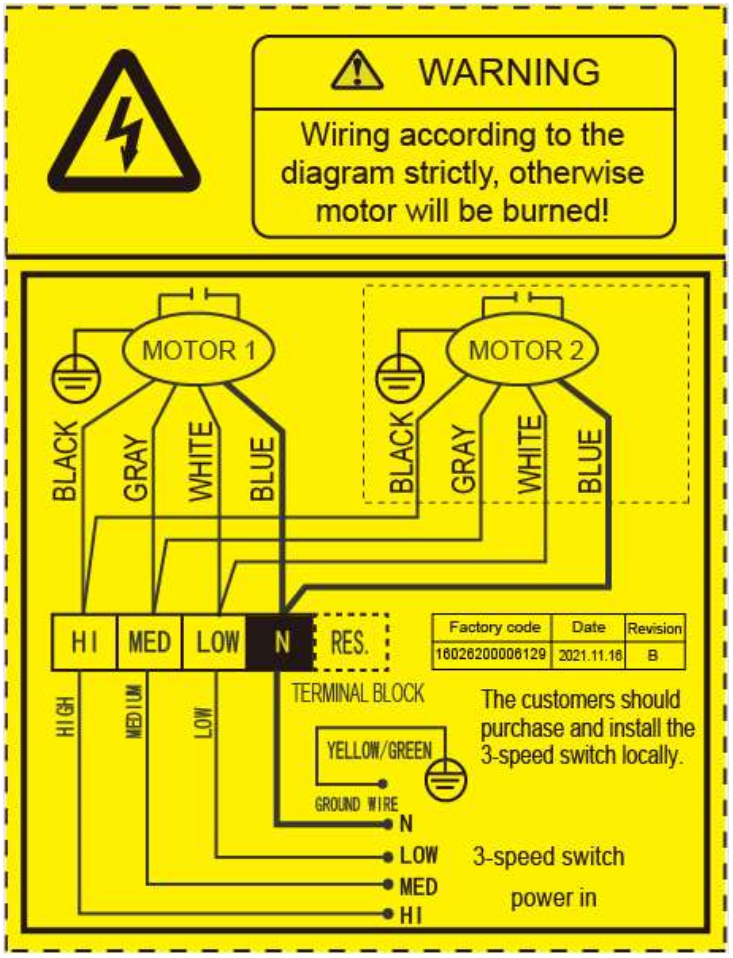


Model / Size	CFDA 006.0 CC2 R3	CFDA 007.0 CC2R 3	CFDA 011.0 CC2 R3 / CFDA 015.0 CC2 R3	CFDA 021.0 CC2 R3	CFDA 023.0 CC2 R3	CFDA 025.0 CC2 R3 / CFDA 028.0 CC2 R3	CFDA 031.0 CC2 R3	CFDA 038.0 CC2 R3
A	475	620	755	850	1025	1215	1505	1745
B	443	588	723	818	993	1183	1473	1713
C	443	588	723	818	993	1183	1473	1713
D	415	560	695	790	965	1155	1445	1685
E	627	772	907	1002	1177	1367	1657	1897
F	513	658	793	888	1063	1253	1543	1783

Static pressure curve



Wiring diagram



This selection software is provided as a tool to aid project design. Responsibility for product selection remains with the user. Product selection should be based on project requirements and the latest product specifications.