



Customer report

Radek Taubmann (31. 1. 2025 10:01:12)

42ND339

Fan coil without cabinet with variable speed motor

Unit information

Part number: 42ND339F-G-AA-Q-----SB	
Size	339
Operating system	2 pipe cooling only
Fan motor	EC
Model	Without cabinet
Filter	ISO coarse > 50%
Coil hand	Left
Return plenum	Without
Supply plenum	Rectangular flange
Electric heater	Without
Options	
Control range	Electrical box (Without control)
Valves	2-way valve
Actuator	On/Off, 230V actuators
Hydraulic options	Drain pump fitted horizontal assembly

Documentation

	PSD
	IOM
	Dimensional drawings
	Revit file
	Electrical wiring



Unit configuration may vary

Operating conditions

Mode		Cooling	
Fluid	Inlet temperature	°C	7
	Outlet temperature	°C	13
	Fluid flow	L/h	N/A
	Fluid type		Ethylene Glycol
Air	Dry temperature	°C	27
	Wet temperature	°C	19
	Relative humidity	%	47
	Return dry temperature	°C	28
System curve	ESP	Pa	0
	Apply ESP to		All fan speeds
Noise attenuation		dB	9
Altitude		m	0

The certified performances, conditions and the certification of the software must be verified at www.eurovent-certification.com



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Performance 42ND339F-G-AA-Q-----SB

Fan			Min						Max
	Variable speed	V	2.0	3.0	4.0	5.0	6.0	7.0	8.0
	Total air flow rate	m³/h	198	327	461	587	716	825	934
	External static pressure	Pa	0	0	0	0	0	0	0
	Electric motor consumption	W	5	8	14	23	37	57	86
Cooling mode									
	Total capacity	kW	1.15	1.63	2.25	2.90	3.61	4.26	4.97
	Sensible capacity	kW	0.92	1.39	1.92	2.44	3.00	3.49	4.00
	Supply air temperature	°C	14.0	15.2	15.4	15.4	15.3	15.1	14.9
	Fluid flow rate	L/h	179	255	352	454	567	672	786
	Fluid pressure drop	kPa	6	8	12	17	26	37	50
Noise level (1)									
	Lw (global): Sound power level	dB(A)	28	39	47	53	57	60	64
	Lw (outlet): Sound power level	dB(A)	28	39	47	53	57	60	64
	Lp (global): Sound pressure level	dB(A)	19	30	38	44	48	51	55
	NC level	dB(A)	<15	26	32	38	42	45	49
	NR level	dB(A)	<15	28	34	40	44	47	51
Dimensions (HxWxD)		mm				556x1012x245			
Weight		kg				22			

(1) Sound Power Levels according to ISO 3741. Sound pressure level, NR and NC are based upon hypothetical acoustic attenuation for the room and air diffusion sub-system. The accuracy of the above data is +/-2dB(A). All dimensions include Water valve factory fitted as maximum unit dimensions, for installation safety. If the product is supplied without a Carrier control device, verification of EMC conformity is the responsibility of the installer or control integrator.



CARRIER participates in the ECP program for Fan Coil Units (Ducted and non Ducted). The certified values are : Input voltage for variable speed units only, Air Flow Rate and External Static Pressure for ducted units only, Total cooling Capacity, Sensible Capacity, Total heating capacity, Water Pressure Drop, Electric Motor Consumption, Lw (inlet+radiated) and Lw (outlet) for ducted units, Lw (overall) for non-ducted units.

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