

Harnitek Super-Slim Fan Coil Unit

Available in 0.75kw, 1.5kw, 2kw
and 3kw output



Harnitek Super-Slim Fan Coil Unit

Circulate hot or cold water through circuits embedded within the coils and move the room air over, to heat or cool the air in order to condition a space. Harnitek provides wide range of fan coil units in different styles with DC available motors.



Famous Brand Motorized Valve



Slim Design Only 130mm Thick



Touch Operation Panel



Coil with Hydrophilic Aluminum Fin



Balanced Cross Fan Blower



Easy Access to Air Filter



Speed Variable DC Motor

Super-Slim Fan Coil Unit is a heat exchange device consisting of heat exchanger coil and forced air fan.

- The coil is made of high-quality seamless copper tube and aluminum sinusoidal corrugated heat sink, which is formed by hydraulic or mechanical expansion. The fins and copper tube are absolutely tight and can exert the best effect.

- Ultra-wide-angle volute, multi-blade centrifugal wind wheel, low noise, can meet various needs of the unit. According to the performance curve of the fan, the structure of the motor is optimized to minimize the change of the air volume when the fan load changes.

- The brass distributor and water collector formed by one-piece forging and pressing make the distribution of chilled water in and out of the coil more uniform, and the water flow resistance is smaller, giving full play to the full efficiency of the heat exchanger and greatly reducing the water flow resistance of the water system.

- Safe and reliable, long life. The motor is an induction motor with a built-in temperature rise protector, and the motor will not be burnt unless there are special circumstances: the coils of each unit have undergone high-voltage leak detection to ensure that the unit will not leak.

- This product can be widely used in hotels, office buildings, shopping malls, hospitals, restaurants, exhibition halls and other low-noise places, and can better meet people's requirements for comfort.

Technical Data


Model		HFP-150LM-Z1	HFP-350LM-Z1	HFP-450LM-Z1	HFP-550LM-Z1
(a) Total Cooling Capacity	KW	0.75	1.50	2.20	3.10
Sensible Cooling Capacity	KW	0.61	1.25	1.90	2.60
Water Flow Rate	l/h	142	302	453	573
Water Pressure Drops	kPa	7.00	9.00	22.00	28.00
(b) Heating Capacity	KW	0.99	2.00	2.80	4.20
Water Flow Rate	l/h	142	302	453	573
Water Pressure Drops	kPa	6.50	7.00	18.50	24.50
(c) Heating Capacity	KW	1.55	3.10	4.60	6.30
Water Flow Rate	l/h	162	343	471	600
Water Pressure Drops	kPa	7.00	7.50	19.00	25.00
Coil Water Content	l	0.48	0.85	1.15	1.48
Maximum Operating Pressure	bar	10	10	10	10
Water Pipe Connector	inches	G1/2	G1/2	G1/2	G1/2
(d) Maximum Air Flow	m ³ /h	160	320	460	580
(d) Minimum Air Flow	m ³ /h	50	150	200	300
Power Supply	//ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50
Maximum Running Current	A	0.12	0.16	0.21	0.24
Maximum Power Input	W	14	23	27	33
(e)Maximum Noise	dB(A)	39	40	42	42.1
(e)Minimum Noise	dB(A)	19.8	18.3	19.1	21
Length	mm	694	894	1094	1294
Height(without feet)	mm	580	580	580	580
Depth	mm	129	129	129	129
Net Weight	kg	16	22	28	34
Gross Weight	kg	18	24	30	36


Note:

- (1) 6°C Cooling: Water inlet/outlet 7/12°C, room temperature DB/WB 27/19°C;
- (2) Heating: Water inlet 50°C, water flow rate as in cooling operation, room temperature 20°C;
- (3) Heating: Water inlet 70°C, outlet 60°C, room temperature 20°C;
- (4) Air flow measured with clean filter;
- (5) Sound pressure level tested as per EN12102:2008 and ISO3745:2012, and certified by Intertek;
- (6) The specifications are subject to change without prior notice. For actual specifications of unit, please refer to the stickers on the unit.


HARNITEK

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