



شرکت مهندسی آپرا تهویه (سهامی خاص)



FP-BM-V/C SERIES

High wall fan coil

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FP-BM SERIES HYDRONIC HIGH WALL

SPECIFICATIONS

| Model | | | AF-WM-04BM-V/C | AF-WM-08BM-V/C | AF-WM-10BM-V/C | AF-WM-12BM-V/C | AF-WM-16BM-V/C | AF-WM-18BM-V/C |
|---------------------------------|-----------------------|-------------------|---|----------------|----------------|----------------|----------------|----------------|
| Chilled Water Cooling | Total capacity | KW | 1.4 | 2.3 | 3.0 | 3.5 | 4.5 | 5.5 |
| | | BTU/H | 4,800 | 7,900 | 10,300 | 12,000 | 15,400 | 18,800 |
| | Sensible capacity | KW | 1.05 | 1.73 | 2.20 | 2.60 | 3.30 | 4.00 |
| | | BTU/H | 3,600 | 6,000 | 7,600 | 8,900 | 11,300 | 13,700 |
| | Water flow rate | L/h | 240 | 395 | 516 | 602 | 775 | 945 |
| Pressure drop | kPa | 14 | 25 | 37 | 20 | 25 | 33 | |
| Hot Water Heating | Capacity | KW | 1.7 | 2.7 | 3.3 | 4.0 | 5.2 | 6.8 |
| | | BTU/H | 5,900 | 9,300 | 11,300 | 13,700 | 17,800 | 23,300 |
| Evaporator Coil | Face area | m ² | 0.195 | 0.195 | 0.195 | 0.244 | 0.244 | 0.297 |
| | Row | | 2 | 2 | 2 | 2 | 2 | 2 |
| | Fin Type/Fin pitch | (mm) | Louver/1.5 | | | | | |
| | Tube diameter | mm | 7 | 7 | 7 | 7 | 7 | 7 |
| | Water content | L | 0.283 | 0.283 | 0.283 | 0.720 | 0.720 | 0.875 |
| Fan blower | Type | | Cross flow type fan blower | | | | | |
| | Size (Dia x Length) | mm | 100x630 | 100x630 | 100x630 | 107x816 | 107x816 | 107x816 |
| | No. | | 1 | 1 | 1 | 1 | 1 | 1 |
| Electric power | Power Supply | V/Ph/Hz | 230 / 1 / 50 (60) | | | | | |
| | Power Input | W | 14 | 20 | 25 | 55 | 65 | 65 |
| | Running current | A | 0.064 | 0.091 | 0.11 | 0.25 | 0.29 | 0.29 |
| Air flow | H/M/L | M ³ /H | 270/210/160 | 440/360/270 | 550/440/360 | 680/600/500 | 850/750/660 | 1000/820/740 |
| Sound pressure (1m) | H/M/L | dB(A) | 32/31/30 | 35/33/32 | 37/35/33 | 43/40/36 | 45/42/39 | 48/44/41 |
| Electric heater (optional) | | kW | 0.8 | 0.8 | 0.8 | 1.0 | 1.0 | 1.0 |
| | | A | 3.6 | 3.6 | 3.6 | 4.6 | 4.6 | 4.6 |
| Operation control | | | Wireless remote controller and/or Wired wall pad | | | | | |
| On/Off Control Valve (Optional) | 3-Way 4 outlet | Inch | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" |
| | Inside of Case | | -- | -- | -- | Available | Available | -- |
| | External Installation | | Available | Available | Available | Available | Available | Available |
| Unit Dimensions (WxHxD) | mm | | 790x283x208 | | | 1030x325x240 | | |
| Net Weight | kg | | 10 | | | 13 | | |
| Water connection | Method | | a) Male Water Pipe Thread for unit with valve inside of case b) Female Water Pipe Thread for unit without internal valve | | | | | |
| | In | mm(in) | 12.70(1/2") | | | | | |
| | Out | mm(in) | 12.70(1/2") | | | | | |

Cooling: Entering air temperature: Dry bulb 27°C, Wet bulb 19°C;
 Inlet water temp. 7°C; Outlet water temp. 12°C;

Heating: Entering air temperature: 20°C;
 Inlet water temp. 50°C; Same water flow rate as for the cooling;

The electric heater can be set as auxiliary heater booster or as primary heater, see control specifications.