

# Concealed fan coil unit

+cold

**Air Flow: 360-2380 m<sup>3</sup>/h**

Fan coil unit consists of centrifugal fan and cooling coil etc., it's terminal unit for central air conditioning system, widely applied in air conditioning systems in hotel, restaurant, factory, hospital, exhibition hall, supermarket, office buildings etc.

## Specification

Concealed FCU, filter, air return plenum, 2 pipes, 3 rows.



Indoor inst.



Horizontal



Chilled water

| Model                               |        |   | BCP034   | BCP051 | BCP068 | BCP085 | BCP102 | BCP136 | BCP170 | BCP204 | BCP238 |
|-------------------------------------|--------|---|----------|--------|--------|--------|--------|--------|--------|--------|--------|
| Specification                       |        |   |          |        |        |        |        |        |        |        |        |
| Rated flow rate (m <sup>3</sup> /h) | H      |   | 360      | 560    | 690    | 850    | 1020   | 1360   | 1700   | 2040   | 2380   |
|                                     | M      |   | 260      | 390    | 510    | 640    | 770    | 1020   | 1280   | 1530   | 1790   |
|                                     | L      |   | 170      | 260    | 340    | 430    | 510    | 680    | 850    | 1020   | 1190   |
| Cooling capacity (kW)               |        |   | 2.35     | 3.45   | 4.48   | 5.35   | 7.16   | 8.79   | 10.8   | 12.2   | 14     |
| Heating capacity (kW)               |        |   | 3.88     | 5.1    | 7.72   | 8.45   | 10     | 13.7   | 16.9   | 19.4   | 23.7   |
| Power Input (W)                     | 12Pa   | H | 34       | 48     | 61     | 76     | 94     | 124    | 152    | 182    | 228    |
|                                     | 30Pa   | H | 44       | 59     | 72     | 87     | 108    | 156    | 174    | 212    | 253    |
|                                     | 50Pa   | H | 49       | 66     | 84     | 100    | 118    | 174    | 210    | 250    | 300    |
| Noise dB (A)                        | 12Pa   | H | 37       | 39     | 41     | 43     | 45     | 46     | 48     | 50     | 52     |
|                                     | 30Pa   | H | 40       | 42     | 44     | 46     | 47     | 48     | 50     | 52     | 54     |
|                                     | 50Pa   | H | 42       | 44     | 46     | 47     | 49     | 50     | 52     | 54     | 56     |
| Water flow rate (kg/h)              |        |   | 416      | 611    | 794    | 948    | 1268   | 1557   | 1906   | 2161   | 2480   |
| Water pressure drop (kPa)           |        |   | ≤30      | ≤30    | ≤30    | ≤30    | ≤40    | ≤40    | ≤40    | ≤40    | ≤50    |
| Net weight (kg)                     |        |   | 13.5     | 16     | 18.5   | 20     | 21     | 30     | 34     | 37     | 41     |
| Dimension (mm)                      | Lenght |   | 730      | 880    | 980    | 1080   | 1250   | 1500   | 1660   | 1830   | 1940   |
|                                     | Width  |   | 477      | 477    | 477    | 477    | 477    | 477    | 477    | 477    | 477    |
|                                     | Height |   | 230      | 230    | 230    | 230    | 230    | 230    | 230    | 230    | 230    |
| Optional FCU lenght with            |        |   | 880      | 980    | 1080   | 1250   | 1500   | 1660   | 1830   | 1940   | 1940   |
| Water pipe connection (Inch)        |        |   | 3/4      |        |        |        |        |        |        |        |        |
| Drain pipe size (Inch)              |        |   | 3/4      |        |        |        |        |        |        |        |        |
| Power supply (V/Hz/Ph)              |        |   | 220/1/50 |        |        |        |        |        |        |        |        |

## Concealed Fan Coil Unit



1. Cooling standard condition: Inlet air DB temp. 27°C, WB temp. 19.5°C, water inlet temp. 7°C, water outlet temp. 12°C.
2. Heating standard condition: Inlet air DB 21°C, water inlet temp. 60°C.
3. DC motor, thermostat, 2 way motorized valve is optional.
4. The performance is 20% higher than Chinese National Standard GB/T19232-2003.

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