

## Concealed Ceiling Fan Coil Units: 2 Pipe 4-Row, 30 Pa – Technical Specifications

| Model                       |                   | FP-34WAF-R             | FP-51WAF-R                  | FP-68WAF-R         | FP-85WAF-R         | FP-102WAF-R        | FP-136WAF-R        | FP-170WAF-R        | FP-204WAF-R        | FP-238WAF-R             | FP-272WAF-R        |                    |
|-----------------------------|-------------------|------------------------|-----------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------------|--------------------|--------------------|
| Air flow volume (H / M / L) | m <sup>3</sup> /h | 310 / 240 / 150        | 430 / 370 / 310             | 650 / 550 / 400    | 800 / 720 / 620    | 960 / 860 / 670    | 1290 / 1180 / 880  | 1610 / 1450 / 1100 | 1890 / 1760 / 1510 | 2195 / 1650 / 1240      | 2720 / 2000 / 1460 |                    |
|                             | CFM               | 282 / 141 / 88         | 253 / 220 / 183             | 382 / 323 / 235    | 470 / 423 / 364    | 565 / 505 / 395    | 760 / 695 / 517    | 950 / 852 / 650    | 1111 / 1035 / 890  | 1292 / 970 / 730        | 1600 / 1176 / 860  |                    |
| Capacity                    | Cooling Total     | kW                     | 1,65 / 1,28 / 0,80          | 3,00 / 2,75 / 2,40 | 4,24 / 3,59 / 2,61 | 5,41 / 5,12 / 4,52 | 6,85 / 6,14 / 4,78 | 9,26 / 8,35 / 6,05 | 10,0 / 9,02 / 6,84 | 11,0 / 10,2 / 9,10      | 13,4 / 10,0 / 7,55 | 15,0 / 12,0 / 9,50 |
|                             | Cooling Sensible  | kW                     | 1,32 / 1,02 / 0,64          | 2,15 / 1,93 / 1,68 | 3,39 / 2,87 / 2,09 | 3,79 / 3,60 / 3,16 | 5,48 / 4,91 / 3,82 | 6,85 / 6,18 / 4,29 | 8,01 / 7,21 / 5,47 | 7,96 / 7,67 / 6,76      | 10,7 / 8,03 / 6,03 | 11,7 / 9,15 / 7,10 |
|                             | Heating           | kW                     | 2,18 / 1,69 / 1,05          | 3,90 / 3,56 / 3,10 | 5,60 / 4,74 / 3,44 | 6,95 / 6,56 / 5,77 | 9,04 / 8,10 / 6,31 | 11,2 / 9,89 / 7,78 | 13,2 / 11,9 / 9,03 | 14,5 / 13,7 / 12,1      | 17,6 / 13,3 / 12,1 | 20,1 / 16,0 / 12,5 |
| Power Supply                |                   | 220 ~ 240V – 1N – 50Hz |                             |                    |                    |                    |                    |                    |                    |                         |                    |                    |
| Power Input                 | W                 | 44 / 42 / 38           | 58 / 55 / 49                | 82 / 76 / 68       | 87 / 78 / 72       | 108 / 100 / 92     | 156 / 128 / 115    | 178 / 163 / 151    | 212 / 165 / 156    | 380 / 342 / 316         | 490 / 405 / 342    |                    |
| Water                       | Water Flow        | l/s                    | 0,08 / 0,06 / 0,04          | 0,14 / 0,13 / 0,11 | 0,20 / 0,17 / 0,12 | 0,26 / 0,24 / 0,22 | 0,33 / 0,29 / 0,23 | 0,44 / 0,40 / 0,29 | 0,48 / 0,43 / 0,33 | 0,53 / 0,49 / 0,44      | 0,64 / 0,48 / 0,36 | 0,72 / 0,57 / 0,45 |
| Data                        | Pressure Drop     | kPa                    | 4,30 / 3,00 / 2,40          | 6,50 / 4,80 / 3,50 | 15,6 / 12,7 / 11,3 | 22,1 / 20,6 / 14,5 | 37,5 / 36,3 / 33,2 | 18,2 / 15,2 / 9,50 | 26,0 / 23,2 / 21,5 | 27,5 / 24,4 / 20,6      | 74,7 / 65,0 / 59,7 | 26,7 / 18,0 / 10,9 |
| Water Connections           | Inlet / Outlet    | in                     | 3/4"(Female) / 3/4"(Female) |                    |                    |                    |                    |                    |                    | 1"(Female) / 1"(Female) |                    |                    |
|                             | Drain             | in                     | 3/4"(Male)                  |                    |                    |                    |                    |                    |                    |                         |                    |                    |
| Fan Quantity                |                   | 1                      | 2                           | 2                  | 2                  | 2                  | 3                  | 4                  | 4                  | 3                       | 3                  |                    |
| Sound Pressure Level        | dB(A)             | 40 / 36 / 31           | 42 / 41 / 39                | 44 / 42 / 40       | 47 / 46 / 43       | 49 / 46 / 44       | 50 / 46 / 39       | 51 / 47 / 44       | 52 / 49 / 48       | 56 / 52 / 47            | 58 / 51 / 45       |                    |
| Dimensions (W x D x H)      | mm                | 881 x 510 x 245        | 1011 x 510 x 245            | 1131 x 510 x 245   | 1211 x 510 x 245   | 1371 x 510 x 245   | 1761 x 510 x 245   | 1921 x 510 x 245   | 1921 x 510 x 245   | 1671 x 595 x 354        | 1671 x 595 x 354   |                    |
| Net Weight                  | kg                | 14,4                   | 17,2                        | 19,2               | 20,5               | 23,2               | 34,2               | 37,5               | 37,5               | 52                      | 52                 |                    |
| Plenum with filter          |                   | HF31                   | HF32                        | HF33               | HF34               | HF35               | HF36               | HF37               | HF37               | HF28                    | HF28               |                    |

| Model                       |                   | FP-306WAF-R            | FP-340WAF-R             |                    |
|-----------------------------|-------------------|------------------------|-------------------------|--------------------|
| Air flow volume (H / M / L) | m <sup>3</sup> /h | 3000 / 2460 / 1530     | 3300 / 2510 / 2110      |                    |
|                             | CFM               | 1765 / 1447 /          | 1941 / 1476 /           |                    |
| Capacity                    | Cooling Total     | kW                     | 17,6 / 14,4 / 8,97      | 18,4 / 15,1 / 13,2 |
|                             | Cooling Sensible  | kW                     | 14,1 / 11,6 / 7,18      | 14,1 / 11,5 / 9,87 |
|                             | Heating           | kW                     | 23,2 / 19,1 / 11,9      | 24,0 / 19,5 / 17,0 |
| Power Supply                |                   | 220 ~ 240V – 1N – 50Hz |                         |                    |
| Power Input                 | W                 | 535 / 454 / 407        | 660 / 570 / 510         |                    |
| Water                       | Water Flow        | l/s                    | 0,84 / 0,69 / 0,43      | 0,88 / 0,72 / 0,63 |
| Data                        | Pressure Drop     | kPa                    | 43,2 / 36,1 / 31,8      | 48,7 / 34,0 / 24,2 |
| Water Connections           | Inlet / Outlet    | in                     | 1"(Female) / 1"(Female) |                    |
|                             | Drain             | in                     | 3/4"(Male)              |                    |
| Fan Quantity                |                   | 3                      | 3                       |                    |
| Sound Pressure Level        | dB(A)             | 60 / 54 / 49           | 61 / 56 / 51            |                    |
| Dimensions (W x D x H)      | mm                | 1921 x 595 x 354       | 1921 x 595 x 354        |                    |
| Net Weight                  | kg                | 59                     | 59                      |                    |
| Plenum with filter          |                   | HF29                   | HF29                    |                    |

Units capacity and power input are based in the following conditions:

**Cooling:** Water 7°C, ΔT= 5°C, Air. 27°C DB/26°C WB

**Heating:** Water 50°C, ΔT= 5°C, Air 20°C

**Optional remote control**

LCD controller: WK-110PA0

Luxury wired controller: WK-010PA-