



4-Pipe Duct Specification

| Model APFCD- | | | | 200FS12 200FS30 | 300FS12 300FS30 | 400FS12 400FS30 | 500FS12 500FS30 | 600FS12 600FS30 | |
|--------------------------|-------------------------|-------------------|---------|------------------------------------|--------------------|--------------------|--------------------|--------------------|------|
| Air flow | H/M/L | m ³ /h | | 340/255/170 | 510/385/255 | 680/510/340 | 850/640/425 | 1020/765/510 | |
| | H/M/L | CFM | | 200/150/100 | 300/225/150 | 400/300/200 | 500/375/250 | 600/450/300 | |
| External Static pressure | | | Pa | S12 models: 12; S30 models: 30 | | | | | |
| Cooling | Capacity | H/M/L | kW | 2/1.76/1.52 | 2.7/2.35/2.13 | 3.6/3.15/2.76 | 4.3/3.74/3.32 | 5/4.32/3.84 | |
| | Water flow rate | H | l/h | 344 | 464 | 619 | 740 | 860 | |
| | Water pressure drop | H | kPa | 7.6 | 14.4 | 8.2 | 9.5 | 17.2 | |
| Heating | Capacity | H/M/L | kW | 3/2.64/2.22 | 4/3.48/3 | 5.2/4.47/3.9 | 5.7/5.02/4.33 | 7.2/6.19/5.33 | |
| | Water flow rate | H | l/h | 258 | 344 | 447 | 490 | 619 | |
| | Water pressure drop | H | kPa | 6.8 | 12.5 | 23.5 | 24.0 | 40.7 | |
| Power supply | | | V/ph/Hz | 220-240/1/50 | | | | | |
| Power input | 12Pa | H | W | 33 | 53 | 66 | 87 | 100 | |
| | 30Pa | H | W | 49 | 64 | 75 | 96 | 114 | |
| Sound pressure level | 12Pa | H/M/L | dB(A) | 35/32/26 | 36/33/27 | 37/34/28 | 40/36/30 | 42/38/32 | |
| | 30Pa | H/M/L | dB(A) | 41/37/31 | 42/38/32 | 43/39/33 | 44/40/34 | 45/41/35 | |
| Fan motor | Type | | | Low noise 4-speed fan motor | | | | | |
| | Quantity | | | 1 | 1 | 1 | 1 | 1 | |
| Fan | Type | | | Centrifugal, forward-curved Blades | | | | | |
| | Quantity | | | 1 | 2 | 2 | 2 | 2 | |
| Coil | Row | | | 3 | | | | | |
| | Max. Working pressure | | | MPa 1.6 | | | | | |
| | Diameter | | | mm Φ 9.52 | | | | | |
| Body | Dimensions | W×H×D | mm | 741×241×522 | 841×241×522 | 941×241×522 | 941×241×522 | 1161×241×522 | |
| | Packing | W×H×D | mm | 790×260×550 | 890×260×550 | 990×260×550 | 990×260×550 | 1210×260×550 | |
| | Net weight | | | kg | 15.1 | 17.5 | 20.7 | 20.7 | 23.5 |
| | Gross weight | | | kg | 17.4 | 20 | 23.1 | 23.1 | 26.5 |
| Pipe connection | Water inlet/outlet pipe | | | Inch RC3/4 | | | | | |
| | Drain pipe | | | mm OD Φ 24 | | | | | |

| Model APFCD- | | | | 800FS12 800FS30 | 1000FS12 1000FS30 | 1200FS12 1200FS30 | 1400FS12 1400FS30 | |
|--------------------------|-------------------------|-------------------|---------|------------------------------------|----------------------|----------------------|----------------------|------|
| Air flow | H/M/L | m ³ /h | | 1360/1020/680 | 1700/1275/850 | 2040/1530/1020 | 2380/1785/1190 | |
| | H/M/L | CFM | | 800/600/400 | 1000/750/500 | 1200/900/600 | 1400/1050/700 | |
| External Static pressure | | | Pa | S12 models: 12; S30 models: 30 | | | | |
| Cooling | Capacity | H/M/L | kW | 6.8/5.78/5.11 | 7.8/6.74/5.88 | 10.2/8.89/7.85 | 11.5/9.9/8.86 | |
| | Water flow rate | H | l/h | 1170 | 1342 | 1754 | 1978 | |
| | Water pressure drop | H | kPa | 18.8 | 30.0 | 40.3 | 51.9 | |
| Heating | Capacity | H/M/L | kW | 9.6/8.45/7.2 | 10.8/9.61/8.1 | 13.5/12.15/10.26 | 15.5/13.48/11.78 | |
| | Water flow rate | H | l/h | 826 | 929 | 1161 | 1333 | |
| | Water pressure drop | H | kPa | 20.7 | 34.7 | 28.6 | 55.2 | |
| Power supply | | | V/ph/Hz | 220-240/1/50 | | | | |
| Power input | 12Pa | H | W | 145 | 180 | 210 | 222 | |
| | 30Pa | H | W | 154 | 193 | 230 | 278 | |
| Sound pressure level | 12Pa | H/M/L | dB(A) | 43/39/33 | 45/41/35 | 46/42/36 | 48/44/38 | |
| | 30Pa | H/M/L | dB(A) | 46/42/36 | 47/43/37 | 48/44/38 | 49/45/39 | |
| Fan motor | Type | | | Low noise 4-speed fan motor | | | | |
| | Quantity | | | 2 | 2 | 2 | 2 | |
| Fan | Type | | | Centrifugal, forward-curved Blades | | | | |
| | Quantity | | | 4 | 4 | 4 | 4 | |
| Coil | Row | | | 3 | | | | |
| | Max. Working pressure | | | MPa 1.6 | | | | |
| | Diameter | | | mm Φ 9.52 | | | | |
| Body | Dimensions | W×H×D | mm | 1461×241×522 | 1566×241×522 | 1856×241×522 | 2022×241×522 | |
| | Packing | W×H×D | mm | 1510×260×550 | 1615×260×550 | 1905×260×550 | 2070×260×550 | |
| | Net weight | | | kg | 32.4 | 34.9 | 40 | 43.6 |
| | Gross weight | | | kg | 36 | 38.6 | 43.5 | 48.9 |
| Pipe connection | Water inlet/outlet pipe | | | Inch RC3/4 | | | | |
| | Drain pipe | | | mm OD Φ 24 | | | | |

- Note:
 1. H: high fan speed; M: medium fan speed; L: low fan speed.
 2. The data is the performance in relevant external static pressure.
 3. Cooling conditions: entering water 7°C, temperature rise 5°C, entering air temperature 27°C DB/19°C WB.
 Heating conditions: entering water 70°C, entering/leaving temperature difference is 10°C, entering air temperature 20°C DB.
 4. The noise is tested in the semi-anechoic test room.