



**MEDIUM STATIC CHILLED
WATER FAN COIL UNITS (90Pa)
EC Fan Series**

SPECIFICATIONS



CHILLED WATER MEDIUM STATIC FAN COIL UNITS (90Pa) 2 PIPE - 3 & 4 ROW

| Model No. Indoor | | | FCU 30 AW | FCU 50 AW | FCU 60 AW | FCU 80 AW | FCU 100 AW | FCU 120 AW | FCU 140 AW | |
|-----------------------------|--------------------------------------|--|----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--|
| Power supply | | | 220V / 1PH / 50Hz | | | | | | | |
| Capacity | Cooling | W | 2980 | 4960 | 6070 | 7820 | 8640 | 11400 | 13100 | |
| | Heating | W | 2670 | 4440 | 5380 | 7060 | 7760 | 10300 | 11500 | |
| Noise Level (H / M / L) | Indoor | dB(A) | 42 / 40 / 38 | 47 / 44 / 42 | 49 / 46 / 44 | 50 / 47 / 45 | 52 / 49 / 47 | 53 / 50 / - | 56 / 53 / 51 | |
| | External Static Pressure (H / M / L) | Pa | 80 / 50 / 20 | 80 / 50 / 20 | 80 / 50 / 20 | 80 / 50 / 20 | 80 / 50 / 20 | 80 / 50 / 20 | 80 / 50 / 20 | |
| Air Flow Volume (H / M / L) | Cooling | l/s | 142 / 106 / 71 | 236 / 177 / 118 | 292 / 212 / 141 | 378 / 283 / 189 | 429 / 354 / 236 | 567 / 425 / 284 | 639 / 495 / 331 | |
| | Heating | l/s | 147 / 111 / 74 | 248 / 186 / 125 | 304 / 222 / 148 | 394 / 296 / 198 | 449 / 371 / 248 | 605 / 454 / 304 | 662 / 514 / 344 | |
| Water Flow Rate (H / M / L) | Cooling | l/s | 0.142 / 0.113 / 0.081 | 0.237 / 0.188 / 0.135 | 0.290 / 0.225 / 0.161 | 0.373 / 0.296 / 0.213 | 0.412 / 0.354 / 0.256 | 0.545 / 0.433 / 0.313 | 0.625 / 0.511 / 0.368 | |
| | Heating | l/s | 0.064 / 0.051 / 0.037 | 0.106 / 0.084 / 0.061 | 0.129 / 0.099 / 0.072 | 0.169 / 0.134 / 0.064 | 0.186 / 0.159 / 0.115 | 0.248 / 0.197 / 0.143 | 0.276 / 0.226 / 0.163 | |
| Water Pressure Drop (High) | Cooling | KPa | 9.69 | 29.00 | 44.60 | 38.00 | 16.80 | 31.50 | 44.90 | |
| | Heating | KPa | 2.04 | 6.05 | 9.15 | 17.80 | 3.53 | 6.72 | 9.09 | |
| Capacity | Cooling | W | 3570 | 5920 | 7070 | 9160 | 11500 | 13100 | 15300 | |
| | Heating | W | 3220 | 5290 | 6310 | 8240 | 10200 | 12000 | 13600 | |
| Noise Level (H / M / L) | Indoor | dB(A) | 42 / 40 / 38 | 47 / 44 / 42 | 49 / 46 / 44 | 50 / 47 / 45 | 52 / 49 / 47 | 53 / 50 / - | 56 / 53 / 51 | |
| | External Static Pressure | Pa | 80 / 50 / 20 | 80 / 50 / 20 | 80 / 50 / 20 | 80 / 50 / 20 | 80 / 50 / 20 | 80 / 50 / 20 | 80 / 50 / 20 | |
| Air Flow Volume (H / M / L) | Cooling | l/s | 142 / 106 / 71 | 236 / 177 / 118 | 292 / 213 / 142 | 378 / 283 / 189 | 472 / 354 / 236 | 553 / 425 / 283 | 639 / 496 / 331 | |
| | Heating | l/s | 151 / 113 / 76 | 251 / 189 / 126 | 307 / 224 / 150 | 401 / 302 / 202 | 497 / 374 / 250 | 598 / 462 / 308 | 667 / 518 / 346 | |
| Water Flow Rate (H / M / L) | Cooling | l/s | 0.170 / 0.133 / 0.094 | 0.283 / 0.222 / 0.157 | 0.337 / 0.259 / 0.184 | 0.437 / 0.344 / 0.244 | 0.547 / 0.430 / 0.305 | 0.624 / 0.502 / 0.356 | 0.730 / 0.591 / 0.421 | |
| | Heating | l/s | 0.077 / 0.061 / 0.043 | 0.127 / 0.099 / 0.071 | 0.151 / 0.116 / 0.083 | 0.197 / 0.156 / 0.111 | 0.244 / 0.192 / 0.137 | 0.287 / 0.232 / 0.165 | 0.325 / 0.263 / 0.187 | |
| Water Pressure Drop (High) | Cooling | KPa | 17.70 | 52.80 | 35.40 | 36.30 | 60.40 | 24.20 | 35.60 | |
| | Heating | KPa | 3.75 | 11.00 | 7.35 | 7.66 | 12.50 | 5.28 | 7.32 | |
| Fan Motor | Power | W | 120 | 120 | 120 | 120 x 2 (240) | 120 x 2 (240) | 120 x 2 (240) | 120 x 2 (240) | |
| | Running Current | A | 0.26 | 0.45 | 0.57 | 0.8 | 1.1 | 1.2 | 1.4 | |
| | Motor Qty | Qty | 1 | 1 | 1 | 2 | 2 | 2 | 2 | |
| | Scroll | Qty | 2 | 2 | 2 | 4 | 4 | 4 | 4 | |
| Water Coil | Type | Cross Banding Radiating Pipe Aluminium Fin | | | | | | | | |
| | Test Pressure | MPa | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | |
| | OD | mm | 9.52 | | | | | | | |
| | Rows | QTY | 3 & 4 | | | | | | | |
| Air Filter Type | | | Washable Sahara Net Filter | | | | | | | |
| Pipe Connections | Water In | 3/4" | | | | | | | | |
| | Water Out | | | | | | | | | |
| | Drain | | | | | | | | | |
| Dimensions | W x H x D | 877 x 265 x 545 | 1102 x 265 x 545 | 1197 x 265 x 545 | 1482 x 265 x 545 | 1672 x 265 x 545 | 1937 x 265 x 545 | 2172 x 265 x 545 | | |
| Weight - Net | kg | 22 | 23 | 25 | 38.9 | 42.5 | 48.5 | 56 | | |



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Unit Selection Software Available - Contact ECO AIRE for more information