

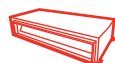


**FUA SERIES**  
*FANCOIL UNIT*



### FUA Series Technical Specifications

| Model (Duct Indoor Unit)                              |                              |          | FUA-24                | FUA-36                | FUA-48                                          | FUA-60                                          |
|-------------------------------------------------------|------------------------------|----------|-----------------------|-----------------------|-------------------------------------------------|-------------------------------------------------|
| Power supply                                          |                              | V/Ph/Hz  | 220/1/60              | 220/1/60              | 220/1/60                                        | 220/1/60                                        |
| Cooling                                               | Capacity                     | Btu/h    | 24000                 | 36000                 | 48000                                           | 55000                                           |
|                                                       | Capacity                     | W        | 7034                  | 10551                 | 14068                                           | 16120                                           |
|                                                       | Input                        | W        | 3430                  | 3620                  | 6519                                            | 7250                                            |
|                                                       | EER                          | Btu/h.W  | 7.00                  | 9.94                  | 7.36                                            | 7.59                                            |
|                                                       | EER                          | W/W      | 2.05                  | 2.91                  | 2.16                                            | 2.22                                            |
| MCA                                                   |                              | A        | 2.00                  | 2.00                  | 3.00                                            | 3.00                                            |
| MOP                                                   |                              | A        | 3.00                  | 3.00                  | 5.00                                            | 6.00                                            |
| MAX. Input Consumption                                |                              | W        | 210                   | 260                   | 370                                             | 340                                             |
| Indoor External Static Pressure                       |                              | pa       | 30                    | 30                    | 30                                              | 30                                              |
| Starting Current                                      |                              | A        | 42                    | 50                    | 80                                              | 98                                              |
| Operation Control                                     |                              |          | wired                 | wired                 | wired                                           | wired                                           |
| Indoor Coil                                           | Number of Rows               |          | 3                     | 3                     | 3                                               | 3                                               |
|                                                       | Tube Pitch(a) x Row Pitch(b) | mm       | 22×19.05              | 22×19.05              | 22×19.05                                        | 22×19.05                                        |
|                                                       | Fin Spacing                  | mm       | 1.7                   | 1.7                   | 1.7                                             | 1.7                                             |
|                                                       | Fin Type                     |          | Hydrophilic           | Hydrophilic           | Hydrophilic                                     | Hydrophilic                                     |
|                                                       | Tube Outside Dia. and type   | mm       | Φ7.94                 | Φ7.94                 | Φ7.94                                           | Φ7.94                                           |
|                                                       |                              |          | inner grooved         | inner grooved         | inner grooved                                   | inner grooved                                   |
|                                                       | Number of Circuits           |          | 6                     | 6                     | 6                                               | 6                                               |
| Indoor Air Flow (High speed)                          |                              | m3/h     | 1150                  | 1300                  | 2000                                            | 2000                                            |
| Static Pressure                                       |                              | Pa       | 30                    | 30                    | 30                                              | 30                                              |
| Indoor Noise Level                                    |                              | dB(A)    | 40~52                 | 45~50                 | 51~56                                           | 51~56                                           |
| Indoor Unit                                           | Dimension(WxHxD)             | Body(mm) | 1209×260×680          | 1209×260×680          | 1445×260×680                                    | 1445×260×680                                    |
|                                                       | Packing (WxHxD)              | Body(mm) | 1255×325×720          | 1255×325×720          | 1490×325×720                                    | 1490×325×720                                    |
|                                                       | Net/Gross Weight             | Body(Kg) | 32/36                 | 32/36                 | 46/50                                           | 46/50                                           |
| Indoor Fan Motor                                      | Model                        |          | YSK110-90F-4P2H105-1  | YSK120-150F-4P2H105   | YDK110-75F-4P2H105L-1<br>+YSK120-150F-4P2H105-1 | YDK110-75F-4P2H105L-1<br>+YSK120-150F-4P2H105-1 |
|                                                       | Input                        | W        | 200                   | 330                   | 165+330                                         | 165+330                                         |
|                                                       | Output                       | W        | 90                    | 150                   | 75+150                                          | 75+150                                          |
|                                                       | Capacitor                    | uF       | 5                     | 6                     | 3+6                                             | 3+6                                             |
|                                                       | Speed(hi/mi/lo)              | r/min    | 1600/1000/900/870     | 1300/1150/1080/1030   | 1380/1300/1200/1130<br>+1360/1290/1200/1100     | 1380/1300/1200/1130<br>+1360/1290/1200/1100     |
| Max pressure                                          |                              | MPa      | 4.0                   | 4.0                   | 4.5                                             | 3.8                                             |
| Refrigerant Type                                      |                              |          | R410A                 | R410A                 | R410A                                           | R410A                                           |
| Refrigerant Piping                                    | Liquid Side/Gas Side         | mm       | Φ9.52/Φ15.88          | Φ9.52/Φ19.05          | Φ9.52/Φ19.05                                    | Φ9.52/Φ19.05                                    |
| Power Wiring                                          |                              | mm2      | 3×1.0                 | 3×1.0                 | 3×1.0                                           | 3×1.0                                           |
| Operation Temp                                        |                              | °F/°C    | 16~32                 | 16~32                 | 16~32                                           | 16~32                                           |
| Ambient Temp                                          |                              | °F/°C    | 19.4~109.4 / -7~43    | 19.4~109.4 / -7~43    | 19.4~109.4 / -7~43                              | 19.4~109.4 / -7~43                              |
| Application Area                                      |                              | ft2 / m2 | 301.39~538.19 / 28~50 | 430.55~753.47 / 40~70 | 592~1022.57 / 55~95                             | 645.83~1130.2 / 60~105                          |
| Stuffing Quantity(20'/40'/40'HQ)<br>Stuffing Quantity |                              | set      | 90/168/162            | 75/168/180            | 75/168/180                                      | 75/168/180                                      |



**Ultra-Thin Body Design.**



**Adopting Aviation Centrifugal Fans**, and CFD technology design, increasing air-volume and decreasing noise level only 29dB(A) for Medium ESP Ducted Unit.



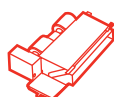
**Three Fan Speed**, meet for different requirement.



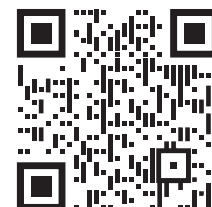
**50Pa ESP for the Medium ESP Ducted Unit**, Duct connected installation meet for different room structure.



**Easy Convenient Installation and Maintenance**, washable filter design.



**E-Box is Body-Side Design for Medium ESP Ducted Unit**, convenient installation and maintenance.



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