



PRODUCTS CATALOGUE
COMMERCIAL AIR CONDITIONERS
T1, 50Hz, R410A&R134a

2012



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GC-1109-1

Distributor information

TERMINAL

FAN COIL UNIT

AIR HANDLING UNIT

AIR CURTAIN

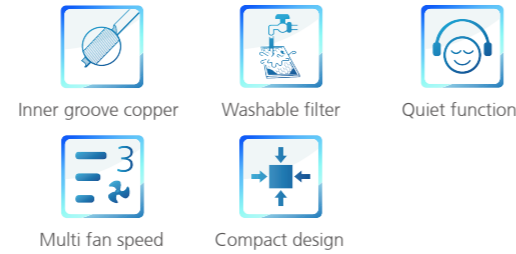
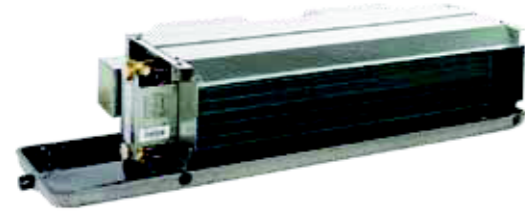
DIFFUSER

CONTROL SYSTEM LINEUP

Fan Coil Unit

Concealed Ceiling Type

It is a kind of fan coil unit that is connected to the chillers to realize cooling/heating for civil or residential use.



- Thanks to optimized air flue design that greatly improve the fan efficiency and lower the operation noise.
- Flexible air inlet/outlet directions, meet different installation requirements.
- Washable filter is optional when equipped with air return box.



Nominal test condition (temperature)

| Item | DB (°C) | WB (°C) | Inlet (°C) | Outlet (°C) |
|---------|---------|---------|------------|-------------|
| Cooling | 27 | 19 | 7 | 12 |
| Heating | 21 | — | 60 | — |

2 Rows/Standard Type

| Model | | FP-34WA-K | FP-51WA-K | FP-68WA-K | FP-85WA-K | FP-102WA-K | FP-136WA-K | FP-170WA-K | FP-204WA-K | |
|--------------------------|-------------------------|-------------|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Air flow volume(H/M/L) | CFM | 200/146/125 | 300/232/155 | 400/291/194 | 500/375/250 | 600/464/309 | 800/644/429 | 1000/750/500 | 1200/926/618 | |
| ESP | Pa | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | |
| Capacity | Cooling/Heating | kW | 1.9/3.1 | 2.8/4.4 | 3.6/5.5 | 4.5/7.0 | 5.5/8.9 | 7.4/11.0 | 9.2/14.0 | 11.0/17.0 |
| | Type | PhV/Hz | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 |
| Power system | Input | W | 37 | 45 | 62 | 70 | 96 | 120 | 145 | 185 |
| | Type | PhV/Hz | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 |
| Water system | Water flow volume | l/s | 0.1 | 0.14 | 0.17 | 0.21 | 0.27 | 0.6 | 0.45 | 0.5 |
| | Pressure drop | kPa | 12 | 21 | 16 | 23 | 36 | 38 | 38 | 40 |
| Sound pressure level | | Ft-WG | 4 | 7 | 5.3 | 7.7 | 12.0 | 12.7 | 12.7 | 13.3 |
| | | dB(A) | 35 | 38 | 40 | 42 | 44 | 46 | 48 | 50 |
| Dimension (WxDxH) | Outline | mm | 881x510x245 | 1011x510x245 | 1131x510x245 | 1211x510x245 | 1211x510x245 | 1176x510x245 | 1761x510x245 | 1761x510x245 |
| | Package | mm | 900x560x275 | 1030x560x275 | 1150x560x275 | 1230x560x275 | 1230x560x275 | 1780x560x275 | 1780x560x275 | 1780x560x275 |
| Net weight/Gross weight | kg | 14/17 | 15/19.5 | 16.5/21 | 18/22 | 19/24 | 28.5/35 | 34/39 | 35/40 | |
| Connection pipe diameter | Water inlet & outlet | inch | φ3/4(inner groove) | | | | | | | |
| | Condensed water drain | inch | φ3/4(outer groove) | | | | | | | |
| Loading quantity | 40' GP/40'HQ | — | 448/490 | 447/482 | 344/386 | 316/355 | 316/355 | 220/247 | 220/247 | 220/247 |
| Optionals | Wired remote controller | — | Luxury wired controller: WK-010PA-K; LCD controller: WK-110PA0 | | | | | | | |
| | Plenum with filter | — | HF31 | HF32 | HF33 | HF34 | HF36 | HF36 | HF36 | |
| | Plenum without filter | — | HF41 | HF42 | HF43 | HF44 | HF44 | HF46 | HF46 | |
| | | — | HF41 | HF42 | HF43 | HF44 | HF44 | HF46 | HF46 | |

2 Rows/High ESP Type

| Model | | FP-34WAH-K | FP-51WAH-K | FP-68WAH-K | FP-85WAH-K | FP-102WAH-K | FP-136WAH-K | FP-170WAH-K | FP-204WAH-K | |
|--------------------------|-------------------------|-------------|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Air flow volume(H/M/L) | CFM | 200/146/125 | 300/232/155 | 400/291/194 | 500/375/250 | 600/464/309 | 800/644/429 | 1000/750/500 | 1200/926/618 | |
| ESP | Pa | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | |
| Capacity | Cooling/Heating | kW | 1.9/3.1 | 2.8/4.4 | 3.6/5.5 | 4.5/7.0 | 5.5/8.9 | 7.4/11.0 | 9.2/14.0 | 11.0/17.0 |
| | Type | PhV/Hz | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 |
| Power system | Input | W | 42 | 55 | 68 | 80 | 102 | 140 | 158 | 195 |
| | Type | PhV/Hz | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 |
| Water system | Water flow volume | l/s | 0.1 | 0.14 | 0.17 | 0.21 | 0.27 | 0.6 | 0.45 | 0.5 |
| | Pressure drop | kPa | 12 | 21 | 16 | 23 | 36 | 38 | 38 | 40 |
| Sound pressure level | | Ft-WG | 4 | 7 | 5.3 | 7.7 | 12.0 | 12.7 | 12.7 | 13.3 |
| | | dB(A) | 38 | 40 | 42 | 44 | 46 | 47 | 49 | 52 |
| Dimension (WxDxH) | Outline | mm | 881x510x245 | 1011x510x245 | 1131x510x245 | 1211x510x245 | 1211x510x245 | 1761x510x245 | 1761x510x245 | 1761x510x245 |
| | Package | mm | 900x560x275 | 1030x560x275 | 1150x560x275 | 1230x560x275 | 1230x560x275 | 1780x560x275 | 1780x560x275 | 1780x560x275 |
| Net weight/Gross weight | kg | 14/17 | 15/19.5 | 16.5/21 | 18/22 | 19/24 | 28.5/35 | 34/39 | 35/40 | |
| Connection pipe diameter | Water inlet & outlet | inch | φ3/4(inner groove) | | | | | | | |
| | Condensed water drain | inch | φ3/4(outer groove) | | | | | | | |
| Loading quantity | 40' GP/40'HQ | — | 448/490 | 447/482 | 344/386 | 316/355 | 316/355 | 220/247 | 220/247 | 220/247 |
| Optionals | Wired remote controller | — | Luxury wired controller: WK-010PA-K; LCD controller: WK-110PA0 | | | | | | | |
| | Plenum with filter | — | HF31 | HF32 | HF33 | HF34 | HF34 | HF36 | HF36 | |
| | Plenum without filter | — | HF41 | HF42 | HF43 | HF44 | HF44 | HF46 | HF46 | |
| | | — | HF41 | HF42 | HF43 | HF44 | HF44 | HF46 | HF46 | |

3 Rows

| Model | | FP-34WAS-R | FP-51WAS-R | FP-68WAS-R | FP-85WAS-R | FP-102WAS-R | FP-136WAS-R | |
|--------------------------|-------------------------|-------------|--|--------------|--------------|--------------|--------------|--------------|
| Air flow volume(H/M/L) | CFM | 200/146/125 | 300/232/155 | 400/291/194 | 500/375/250 | 600/464/309 | 800/644/429 | |
| ESP | Pa | 30 | 30 | 30 | 30 | 30 | 30 | |
| Capacity | Cooling/Heating | kW | 2.19/3.29 | 3.37/5.06 | 4.28/6.42 | 5.04/7.56 | 6.46/9.70 | 8.17/10.90 |
| | Type | PhV/Hz | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 |
| Power system | Input | W | 44 | 59 | 72 | 87 | 108 | 156 |
| | Type | PhV/Hz | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 |
| Water system | Water flow volume | l/s | 0.11 | 0.17 | 0.22 | 0.25 | 0.32 | 0.37 |
| | Pressure drop | kPa | 10 | 15 | 25 | 30 | 40 | 20 |
| Sound pressure level | | Ft-WG | 3.3 | 5 | 8.4 | 10 | 13.3 | 6.7 |
| | | dB(A) | 38 | 40 | 42 | 44 | 46 | 47 |
| Dimension (WxDxH) | Outline | mm | 881x510x245 | 1011x510x245 | 1131x510x245 | 1211x510x245 | 1371x510x245 | 1761x510x245 |
| | Package | mm | 900x560x275 | 1030x560x275 | 1150x560x275 | 1230x560x275 | 1390x560x275 | 1780x560x275 |
| Net weight/Gross weight | kg | 15/19 | 16/20.5 | 18/23 | 19.5/24.5 | 21/26 | 30/35 | |
| Connection pipe diameter | Water inlet & outlet | inch | φ3/4(inner groove) | | | | | |
| | Condensed water drain | inch | φ3/4(outer groove) | | | | | |
| Loading quantity | 40' GP/40'HQ | — | 448/490 | 392/434 | 344/386 | 316/355 | 268/301 | 220/247 |
| Optionals | Wired remote controller | — | Luxury wired controller: WK-010PA-K; LCD controller: WK-110PA0 | | | | | |
| | Plenum with filter | — | HF31 | HF32 | HF33 | HF34 | HF35 | HF36 |
| | Plenum without filter | — | HF41 | HF42 | HF43 | HF44 | HF45 | HF46 |
| | | — | HF41 | HF42 | HF43 | HF44 | HF45 | HF46 |

| Model | | FP-170WAS-R | FP-204WAS-R | FP-238WAS-R | FP-272WAS-R | FP-306WAS-R | FP-340WAS-R | |
|--------------------------|-------------------------|--------------|--|--------------|---------------|---------------|---------------|--------------|
| Air flow volume(H/M/L) | CFM | 1000/750/500 | 1200/926/618 | 1400/971/729 | 1600/1235/868 | 1800/1006/674 | 2000/1400/812 | |
| ESP | Pa | 30 | 30 | 30 | 30 | 30 | 30 | |
| Capacity | Cooling/Heating | kW | 11.4/18.2 | 12.2/18.6 | 12.4/19.5 | 13.5/21.3 | 16.0/24.8 | 17.0/26.1 |
| | Type | PhV/Hz | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 |
| Power system | Input | W | 174 | 212 | 380 | 475 | 535 | 640 |
| | Type | PhV/Hz | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 |
| Water system | Water flow volume | l/s | 0.55 | 0.57 | 0.57 | 0.64 | 0.74 | 0.79 |
| | Pressure drop | kPa | 38 | 45 | 21.9 | 27.9 | 37.5 | 41.2 |
| Sound pressure level | | Ft-WG | 12.7 | 15 | 7.3 | 9.3 | 12.5 | 13.7 |
| | | dB(A) | 49 | 52 | 56 | 59 | 62 | 63 |
| Dimension (WxDxH) | Outline | mm | 1921x510x245 | 1921x510x245 | 1671x595x354 | 1671x595x354 | 1921x595x354 | 1921x595x354 |
| | Package | mm | 1940x560x275 | 1940x560x275 | 1750x650x380 | 1750x650x380 | 1950x650x380 | 1950x650x380 |
| Net weight/Gross weight | kg | 33/38.5 | 24/39.5 | 48/55 | 48/55 | 52/60 | 52/60 | |
| Connection pipe diameter | Water inlet & outlet | inch | φ3/4(inner groove) | | | | | |
| | Condensed water drain | inch | φ3/4(outer groove) | | | | | |
| Loading quantity | 40' GP/40'HQ | — | 196/220 | 196/220 | 140/166 | 140/166 | 130/153 | 130/153 |
| Optionals | Wired remote controller | — | Luxury wired controller: WK-010PA-K; LCD controller: WK-110PA0 | | | | | |
| | Plenum with filter | — | HF37 | HF37 | HF28 | HF28 | HF29 | HF29 |
| | Plenum without filter | — | HF47 | HF47 | HF48 | HF48 | HF49 | HF49 |
| | | — | HF47 | HF47 | HF48 | HF48 | HF49 | HF49 |

4 Rows

| Model | | FP-34WAF-R | FP-51WAF-R | FP-68WAF-R | FP-85WAF-R | FP-102WAF-R | FP-136WAF-R | |
|--------------------------|-------------------------|------------|--|--------------|--------------|--------------|--------------|--------------|
| Air flow volume(H/M/L) | CFM | 188/156/80 | 289/259/186 | 383/324/207 | 477/368/242 | 571/507/395 | 760/616/424 | |
| ESP | Pa | 30 | 30 | 30 | 30 | 30 | 30 | |
| Capacity | Cooling/Heating | kW | 2.11/3.70 | 3.82/5.70 | 4.85/7.20 | 5.71/8.50 | 7.32/10.90 | 9.26/13.80 |
| | Type | PhV/Hz | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 |
| Power system | Input | W | 44 | 59 | 80 | 87 | 108 | 156 |
| | Type | PhV/Hz | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 |
| Water system | Water flow volume | l/s | 0.11 | 0.19 | 0.24 | 0.31 | 0.35 | 0.43 |
| | Pressure drop | kPa | 15 | 7.8 | 9.7 | 23.3 | 35.5 | 16.4 |
| Sound pressure level | | Ft-WG | 5 | 2.6 | 3.2 | 7.8 | 11.8 | 5.5 |
| | | dB(A) | 40 | 42 | 44 | 47 | 49 | 50 |
| Dimension (WxDxH) | Outline | mm | 881x510x245 | 1011x510x245 | 1131x510x245 | 1211x510x245 | 1371x510x245 | 1761x510x245 |
| | Package | mm | 900x560x275 | 1030x560x275 | 1150x560x275 | 1230x560x275 | 1390x560x275 | 1780x560x275 |
| Net weight/Gross weight | kg | 14.4/18.9 | 17.2/21.9 | 19.2/24.1 | 20.5/25.6 | 23.2/28.7 | 34.2/40.5 | |
| Connection pipe diameter | Water inlet & outlet | inch | φ3/4(inner groove) | | | | | |
| | Condensed water drain | inch | φ3/4(outer groove) | | | | | |
| Loading quantity | 40' GP/40'HQ | — | 448/490 | 392/434 | 344/386 | 316/355 | 268/301 | 220/247 |
| Optionals | Wired remote controller | — | Luxury wired controller: WK-010PA-K; LCD controller: WK-110PA0 | | | | | |
| | Plenum with filter | — | HF31 | HF32 | HF33 | HF34 | HF35 | HF36 |
| | Plenum without filter | — | HF41 | HF42 | HF43 | HF44 | HF45 | HF46 |
| | | — | HF41 | HF42 | HF43 | HF44 | HF45 | HF46 |

4 Rows

| Model | | FP-170WAF-R | FP-204WAF-R | FP-238WAF-R | FP-272WAF-R | FP-306WAF-R | FP-340WAF-R |
|--------------------------|-------------------------|-----------------------------|--|--------------|---------------|--------------|---------------|
| Air flow volume(H/M/L) | | CFM 948/750/500 | 1043/926/618 | 1400/971/729 | 1600/1235/868 | 180/1006/674 | 2000/1400/812 |
| ESP | | Pa 30 | 30 | 30 | 30 | 30 | 30 |
| Capacity | Cooling/Heating | kW 11.4/18.2 | 12.2/20.6 | 14.2/21.4 | 16.0/24.0 | 18.7/28.1 | 19.8/29.7 |
| | Type | PhV/Hz 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 |
| Power system | Input | W 174 | 212 | 380 | 475 | 535 | 640 |
| | Water flow volume | l/s 0.51 | 0.58 | 0.78 | 0.89 | 1.02 | 1.13 |
| Water system | Pressure drop | kPa 23.9 | 31.5 | 29.2 | 21.7 | 26.2 | 32.5 |
| | | Ft-WG 8.0 | 10.5 | 9.7 | 7.2 | 8.7 | 10.8 |
| Sound pressure level | | dB(A) 51 | 52 | 56 | 58 | 60 | 61 |
| Dimension (WxDxH) | Outline | mm 1921x510x245 | 1921x510x245 | 1671x595x354 | 1671x595x354 | 1921x595x354 | 1921x595x354 |
| | Package | mm 1940x560x275 | 1940x560x275 | 1750x650x380 | 1750x650x380 | 1950x650x380 | 1950x650x380 |
| Net weight/Gross weight | | kg 37.5/44 | 37.5/44 | 52/60 | 52/60 | 59/66 | 59/66 |
| Connection pipe diameter | Water inlet & outlet | inch ϕ 1(inner groove) | | | | | |
| | Condensed water drain | inch ϕ 1(outer groove) | | | | | |
| Loading quantity | 40' GP/40'HQ | — | 196/220 | 196/220 | 140/166 | 140/166 | 130/153 |
| | Wired remote controller | — | Luxury wired controller: WK-010PA-K; LCD controller: WK-110PA0 | | | | |
| Optionals | Plenum with filter | — | HF37 | HF37 | HF28 | HF28 | HF29 |
| | Plenum without filter | — | HF47 | HF47 | HF48 | HF48 | HF49 |
| | | — | HF47 | HF47 | HF48 | HF48 | HF49 |

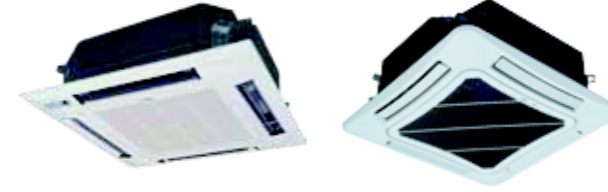
3+1 Rows

| Model | | FP-34WAT-R | FP-51WAT-R | FP-68WAT-R | FP-85WAT-R | FP-102WAT-R | FP-136WAT-R |
|--------------------------|-------------------------|-------------------------------|--|--------------|--------------|--------------|--------------|
| Air flow volume(H/M/L) | | CFM 188/156/80 | 289/259/186 | 383/324/207 | 477/368/242 | 571/507/395 | 760/616/424 |
| ESP | | Pa 30 | 30 | 30 | 30 | 30 | 30 |
| Capacity | Cooling/Heating | kW 1.95/1.76 | 3.07/2.49 | 3.88/3.17 | 4.55/3.83 | 5.82/4.85 | 7.35/6.69 |
| | Type | PhV/Hz 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 |
| Power system | Input | W 44 | 59 | 80 | 87 | 108 | 156 |
| | Water flow volume | l/s 0.11 | 0.17 | 0.21 | 0.29 | 0.32 | 0.39 |
| Water system | Pressure drop | kPa 10.6 | 23.3 | 18.2 | 38 | 56.5 | 16.8 |
| | | Ft-WG 3.5 | 7.8 | 6.1 | 12.7 | 18.8 | 5.6 |
| Sound pressure level | | dB(A) 40 | 42 | 44 | 47 | 49 | 50 |
| Dimension (WxDxH) | Outline | mm 881x510x245 | 1011x510x245 | 1131x510x245 | 1211x510x245 | 1371x510x245 | 1761x510x245 |
| | Package | mm 900x560x275 | 1030x560x275 | 1150x560x275 | 1230x560x275 | 1390x560x275 | 1780x560x275 |
| Net weight/Gross weight | | kg 14.4/18.9 | 17.2/21.9 | 19.2/24.1 | 20.5/25.6 | 23.2/28.7 | 34.2/40.5 |
| Connection pipe diameter | Water inlet & outlet | inch ϕ 3/4(inner groove) | | | | | |
| | Condensed water drain | inch ϕ 3/4(outer groove) | | | | | |
| Loading quantity | 40' GP/40'HQ | — | 448/490 | 392/434 | 344/386 | 316/355 | 268/301 |
| | Wired remote controller | — | Luxury wired controller: WK-010PA-K; LCD controller: WK-110PA0 | | | | |
| Optionals | Plenum with filter | — | HF31 | HF32 | HF33 | HF34 | HF35 |
| | Plenum without filter | — | HF41 | HF42 | HF43 | HF44 | HF45 |
| | | — | HF41 | HF42 | HF43 | HF44 | HF45 |

| Model | | FP-170WAT-R | FP-204WAT-R | FP-238WAT-R | FP-272WAT-R | FP-306WAT-R | FP-340WAT-R |
|--------------------------|-------------------------|-----------------------------|--|--------------|---------------|---------------|---------------|
| Air flow volume(H/M/L) | | CFM 948/836/645 | 1043/786/754 | 1400/970/729 | 1600/1235/867 | 1800/1006/674 | 2000/1400/812 |
| ESP | | Pa 30 | 30 | 30 | 30 | 30 | 30 |
| Capacity | Cooling/Heating | kW 9.65/7.00 | 10.96/8.85 | 12.35/12.97 | 13.49/14.165 | 15.67/16.46 | 16.53/17.36 |
| | Type | PhV/Hz 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 |
| Power system | Input | W 174 | 212 | 380 | 475 | 535 | 640 |
| | Water flow volume | l/s 0.50 | 0.52 | 0.59 | 0.65 | 0.80 | 0.84 |
| Water system | Pressure drop | kPa 28 | 29.4 | 21.8 | 26.6 | 42.1 | 46.4 |
| | | Ft-WG 9.3 | 9.8 | 7.3 | 8.9 | 14.0 | 15.5 |
| Sound pressure level | | dB(A) 51 | 52 | 56 | 58 | 60 | 61 |
| Dimension (WxDxH) | Outline | mm 1921x510x245 | 1921x510x245 | 1671x595x354 | 1671x595x354 | 1921x595x354 | 1921x595x354 |
| | Package | mm 1940x560x275 | 1940x560x275 | 1750x650x380 | 1750x650x380 | 1950x650x380 | 1950x650x380 |
| Net weight/Gross weight | | kg 37.5/44 | 37.5/44 | 52/60 | 52/60 | 59/66 | 59/66 |
| Connection pipe diameter | Water inlet & outlet | inch ϕ 1(inner groove) | | | | | |
| | Condensed water drain | inch ϕ 1(outer groove) | | | | | |
| Loading quantity | 40' GP/40'HQ | — | 196/220 | 196/220 | 140/166 | 140/166 | 130/153 |
| | Wired remote controller | — | Luxury wired controller: WK-010PA-K; LCD controller: WK-110PA0 | | | | |
| Optionals | Plenum with filter | — | HF37 | HF37 | HF28 | HF28 | HF29 |
| | Plenum without filter | — | HF47 | HF47 | HF48 | HF48 | HF49 |
| | | — | HF47 | HF47 | HF48 | HF48 | HF49 |

Fan Coil Unit

Cassette Type



- Thanks to optimized air flue design that greatly improve the fan efficiency and lower the operation noise.
- Four directions airflow that makes an even temperature and humidity distribution.
- Evaporator moisture auto deaning after power off to avoid mildew.
- Forced high speed fan operation under emergency condition.



| Item | Nominal test condition (temperature) | | | |
|---------|--------------------------------------|---------|------------|-------------|
| | DB (°C) | WB (°C) | Inlet (°C) | Outlet (°C) |
| Cooling | 27 | 19 | 7 | 12 |
| Heating | 21 | — | 60 | — |

| Model | | FP-51XD-E | FP-68XD-E | FP-8XD-E | FP-10XD-E | FP-12.5XD-E | FP-14XD-E | FP-16XD-E | FP-18XD-E |
|------------------------|-------------------------|------------------------------|----------------|--------------|---------------|---------------|---------------|---------------|---------------|
| Air flow volume(H/M/L) | | CFM 300/247/206 | 371/318/265 | 500/375/303 | 600/464/363 | 735/606/538 | 840/802/705 | 965/853/781 | 1059/1035/932 |
| Capacity | | Cooling/Heating kW 3.00/4.00 | 3.50/5.00 | 4.64/7.50 | 5.40/9.10 | 6.70/10.50 | 7.74/11.20 | 8.70/12.90 | 9.60/14.60 |
| Power system | Type | PhV/Hz 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 |
| | Input | W 49 | 56 | 100 | 100 | 150 | 140 | 160 | 155 |
| Water system | Water flow volume | l/s 0.14 | 0.17 | 0.23 | 0.26 | 0.33 | 0.38 | 0.43 | 0.47 |
| | Pressure drop | kPa 5 | 9 | 15 | 25 | 25 | 25 | 27 | 29 |
| Sound pressure level | | dB(A) 43 | 48 | 46 | 46 | 47 | 52 | 53 | 54 |
| Body | Dimension (WxDxH) | Outline | mm 600x230x600 | 600x230x600 | 840x320x840 | 840x320x840 | 840x320x840 | 840x320x840 | 840x320x840 |
| | | Package | mm 848x310x678 | 848x310x678 | 960x394x960 | 960x394x960 | 960x394x960 | 960x394x960 | 960x394x960 |
| | Net weight/Gross weight | kg 19.3/27 | 19.3/27 | 30/38 | 30/38 | 30/38 | 38/46 | 38/46 | 38/46 |
| Panel | Dimension (WxDxH) | Outline | mm 650x50x650 | 650x50x650 | 960x60x960 | 960x60x960 | 960x60x960 | 960x60x960 | 960x60x960 |
| | | Package | mm 730x102x670 | 730x102x670 | 1025x115x1040 | 1025x115x1040 | 1025x115x1040 | 1025x115x1040 | 1025x115x1040 |
| | Net weight/Gross weight | kg 5/6 | 5/6 | 6.5/10 | 6.5/10 | 6.5/10 | 6.5/10 | 6.5/10 | 6.5/10 |
| Connection pipe size | Water inlet & outlet | inch ϕ 3/4 | ϕ 3/4 | ϕ 3/4 | ϕ 3/4 | ϕ 3/4 | ϕ 3/4 | ϕ 3/4 | ϕ 3/4 |
| | Condensed water drain | mm 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| Loading quantity | | 40' GP/40'HQ | — | 216/256 | 216/256 | 116/133 | 116/133 | 116/133 | 93/112 |
| Standard controller | | Wireless | — | Y512 | Y512 | Y512 | Y512 | Y512 | Y512 |
| Optional controller | | Wired | — | Z4E351B | Z4E351B | Z4E351B | Z4E351B | Z4E351B | Z4E351B |

New Panel

| Model | | FP-85XD/B-T | FP-102XD/B-T | FP-125XD/B-T | FP-140XD/B-T | FP-160XD/B-T | FP-180XD/B-T | FP-200XD/B-T |
|------------------------|-------------------------|------------------------------|------------------|---------------|---------------|---------------|---------------|---------------|
| Air flow volume(H/M/L) | | CFM 500/375/303 | 600/464/362 | 735/606/538 | 841/802/705 | 965/853/781 | 1060/1035/932 | 1176/994/860 |
| Capacity | | Cooling/Heating kW 4.64/7.50 | 5.40/9.10 | 6.70/10.50 | 7.74/11.20 | 8.70/12.90 | 9.60/14.60 | 13.00/19.00 |
| Power system | Type | PhV/Hz 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 | 1/220-240/50 |
| | Input | W 100 | 100 | 150 | 140 | 150 | 180 | 200 |
| Water system | Water flow volume | l/s 0.23 | 0.26 | 0.33 | 0.38 | 0.43 | 0.47 | 0.64 |
| | Pressure drop | kPa 15 | 19 | 21 | 21 | 31 | 36 | 37 |
| Sound pressure level | | dB(A) 5.025 | 6.365 | 7.035 | 7.035 | 10.385 | 12.060 | 12.395 |
| Body | Dimension (WxDxH) | Outline | mm 840x840x240 | 840x840x240 | 840x840x240 | 840x840x320 | 840x840x320 | 840x840x320 |
| | | Package | mm 960x960x310 | 960x960x310 | 960x960x310 | 960x960x394 | 960x960x394 | 960x960x394 |
| | Net weight/Gross weight | kg 27/35 | 27/35 | 27/35 | 33/42 | 33/42 | 33/42 | 33/42 |
| Panel | Dimension (WxDxH) | Outline | mm 950x950x85 | 950x950x85 | 950x950x85 | 950x950x85 | 950x950x85 | 950x950x85 |
| | | Package | mm 1030x1035x118 | 1030x1035x118 | 1030x1035x118 | 1030x1035x118 | 1030x1035x118 | 1030x1035x118 |
| | Net weight/Gross weight | kg 7/11 | 7/11 | 7/11 | 7/11 | 7/11 | 7/11 | 7/11 |
| Connection pipe size | Water inlet & outlet | inch ϕ 3/4 | ϕ 3/4 | ϕ 3/4 | ϕ 3/4 | ϕ 3/4 | ϕ 3/4 | ϕ 3/4 |
| | Condensed water drain | mm 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| Loading quantity | | 40' GP/40'HQ | — | 132/148 | 132/148 | 132/148 | 112/120 | 112/120 |
| Standard controller | | Wireless | — | YB1FA(X-FAN) | YB1FA(X-FAN) | YB1FA(X-FAN) | YB1FA(X-FAN) | YB1FA(X-FAN) |
| Optional controller | | Wired | — | Z4E351B | Z4E351B | Z4E351B | Z4E351B | Z4E351B |

Fan Coil Unit

Floor Ceiling Type



- Thanks to optimized air flue design that greatly improve the fan efficiency and lower the operation noise.
- The fan will be operated only if the water inlet temperature is lower than the setting value to avoid warm air under cooling condition.



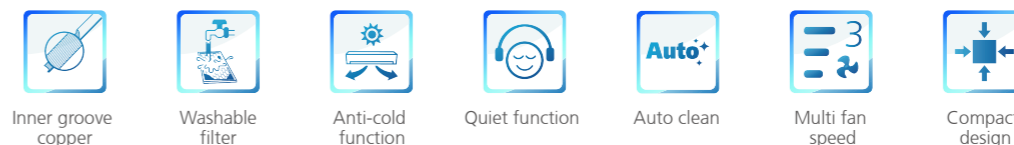
| Nominal test condition (temperature) | | | | |
|--------------------------------------|---------|---------|------------|-------------|
| Item | DB (°C) | WB (°C) | Inlet (°C) | Outlet (°C) |
| Cooling | 27 | 19 | 7 | 12 |
| Heating | 21 | — | 60 | — |

| Model | | FP-34WM-K | FP-51WM-K | FP-68WM-K | FP-85WM-K | FP-102WM-K | FP-136WM-K | FP-170WM-K | FP-204WM-K |
|--------------------------|----------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|
| Air flow volume(H/M/L) | CFM | 200/146/125 | 300/232/155 | 400/291/194 | 500/375/250 | 600/464/309 | 800/644/429 | 1000/750/500 | 1200/926/618 |
| Capacity | Cooling/Heating | kW | | kW | | kW | | kW | |
| | Type | PhV/Hz | | PhV/Hz | | PhV/Hz | | PhV/Hz | |
| Power system | Input | W | | W | | W | | W | |
| | Water flow volume | l/s | | l/s | | l/s | | l/s | |
| Water system | Pressure drop | kPa | | kPa | | kPa | | kPa | |
| | | Ft-WG | | Ft-WG | | Ft-WG | | Ft-WG | |
| Sound pressure level | dB(A) | 48 | | 49 | | 51 | | 55 | |
| Dimension (WxDxH) | Outline | mm | | mm | | mm | | mm | |
| | Package | mm | | mm | | mm | | mm | |
| Net weight/Gross weight | kg | 26/35 | | 34/38 | | 48.5/57 | | 48.5/57 | |
| Connection pipe diameter | Water inlet & outlet | inch | | | | | | | |
| | Condensed water drain | inch | | | | | | | |
| Loading quantity | 40'GP/40'HQ | — | | 224/244 | | 220/244 | | 111/117 | |
| Optional | Wireless remote controller | — | | Y512 | | Y512 | | Y512 | |

| Model | | FP-34ZD/B-T | FP-51ZD/B-T | FP-68ZD/B-T | FP-85ZD/B-T | FP-102ZD/B-T | FP-136ZD/B-T | FP-170ZD/B-T | FP-204ZD/B-T |
|--------------------------|----------------------------|-------------|-------------|--------------|-------------|--------------|--------------|--------------|--------------|
| Air flow volume(H/M/L) | CFM | 200/146/125 | 300/232/155 | 400/291/194 | 500/375/250 | 600/464/309 | 800/644/429 | 1000/750/500 | 1200/926/618 |
| Capacity | Cooling/Heating | kW | | kW | | kW | | kW | |
| | Type | PhV/Hz | | PhV/Hz | | PhV/Hz | | PhV/Hz | |
| Power system | Input | W | | W | | W | | W | |
| | Water flow volume | l/s | | l/s | | l/s | | l/s | |
| Water system | Pressure drop | kPa | | kPa | | kPa | | kPa | |
| | | Ft-WG | | Ft-WG | | Ft-WG | | Ft-WG | |
| Sound pressure level | dB(A) | 48 | | 49 | | 51 | | 55 | |
| Dimension (WxDxH) | Outline | mm | | mm | | mm | | mm | |
| | Package | mm | | mm | | mm | | mm | |
| Net weight/Gross weight | kg | 26/35 | | 34/38 | | 48.5/57 | | 48.5/57 | |
| Connection pipe diameter | Water inlet & outlet | inch | | | | | | | |
| | Condensed water drain | inch | | | | | | | |
| Loading quantity | 40'GP/40'HQ | — | | 220/244 | | 220/244 | | 111/117 | |
| Optionals | Wireless remote controller | — | | YB1FA(X-FAN) | | YB1FA(X-FAN) | | YB1FA(X-FAN) | |
| | Wired remote controller | — | | Z4E351B | | Z4E351B | | Z4E351B | |

Fan Coil Unit

Wall Mounted Type



- Thanks to optimized air flue design that greatly improve the fan efficiency and lower the operation noise.
- Reasonable airflow that makes an even temperature and humidity distribution.



| Nominal test condition (temperature) | | | | |
|--------------------------------------|---------|---------|------------|-------------|
| Item | DB (°C) | WB (°C) | Inlet (°C) | Outlet (°C) |
| Cooling | 27 | 19 | 7 | 12 |
| Heating | 21 | — | 60 | — |

| Model | | FP-34BA2/A-K | FP-51BA2/A-K | FP-68BA2/A-K | FP-85BA2/A-K | FP-51BWA2/A-K | FP-85BA2/A-D |
|-------------------------|----------------------------|--------------|--------------|--------------|--------------|---------------|--------------|
| Air flow volume(H/M/L) | CFM | 212/189/166 | 324/242/215 | 400/347/312 | 500/416/362 | 265/225/190 | 588/493/423 |
| Capacity | Cooling/Heating | kW | | kW | | kW | |
| | Type | PhV/Hz | | PhV/Hz | | PhV/Hz | |
| Power system | Input | W | | W | | W | |
| | Water flow volume | l/s | | l/s | | l/s | |
| Water system | Pressure drop | kPa | | kPa | | kPa | |
| | | Ft-WG | | Ft-WG | | Ft-WG | |
| Sound pressure level | dB(A) | 35 | | 40 | | 49 | |
| Dimension (WxDxH) | Outline | mm | | mm | | mm | |
| | Package | mm | | mm | | mm | |
| Net weight/Gross weight | kg | 11/14 | | 13/17 | | 13/17 | |
| Connection pipe size | Water inlet & outlet | inch | | inch | | inch | |
| | Condensing water drain | mm | | mm | | mm | |
| Loading quantity | 40'GP/40'HQ | — | | 765/850 | | 595/671 | |
| Optionals | Wireless remote controller | — | | YB1FA | | YB1FA | |
| | Wired remote controller | — | | Z4E351B | | Z4E351B | |