

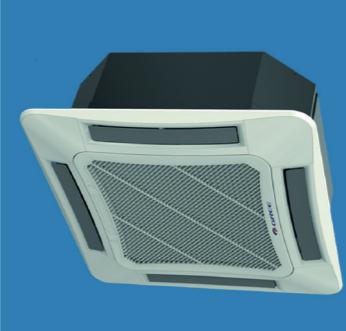
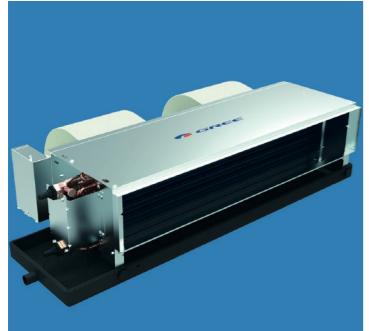


Special AC

- **Fan Coil Unit**
Nomenclature
Concealed Ceiling Type
Cassette Type
Floor Ceiling Type
Vertical Exposed Type
Wall-mounted Type
Controller
- **Compact Air Handling Unit**
Ceiling Mounted Type
A Series
E Series
G Series
Floor Mounted Type
Vertical A Series
Horizontal A Series
- **Modular Air Handling Unit**
- **Air Curtain**
- **ERV**

FAN COIL UNIT

Gree offers a wide range of fan coil units for both concealed and exposed installation, with air volume below 3400m³/h, which is connected to the chillers (heat pump) or boilers to realize cooling/heating for commercial or residential applications. The fan coil units adopt high-quality materials and feature with low noise, low energy consumption, reliable operation and convenient maintenance.



NOMENCLATURE

Generation I Fan Coil Units

F P - [1] [2] [3] [4] [5] [6] [7] / [8] - [9]

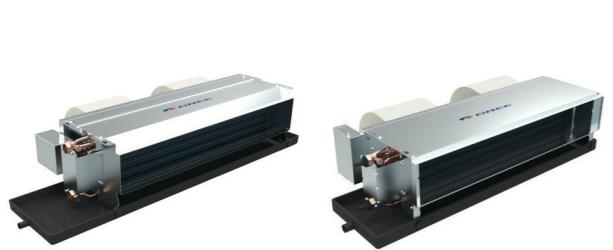
No.	Description	Options
Null	FP	Gree Fan Coil Unit
1	Air flow volume code	Normal air flow volume (m ³ /h) /10
2	Structure type	L- Vertical type; W- Horizontal type; XD- Cassette type; ZD/WM- Floor ceiling type; B- Wall mounted type; BW- Wall mounted type with water valve;
3	Installation type	M-Exposed type; A- Concealed type; Wall mounted type, cassette type and floor ceiling type are omitted(exposed type)
4	Motor type	Omitted- AC motor; D- DC motor;
5	External static pressure	Omitted- Nominal type(12pa); H- High external static pressure(30pa); U- Super high external static pressure(50pa);
6	Pipe type of the unit and No. of rows of the heat exchanger tube	Omitted- 2 pipes, 2 rows; S- 2 pipes, 3 rows; F- 2 pipes, 4 rows; T- 4 pipes; (Applicable to concealed ceiling type, other types are omitted)
7	Panel code	1 letter+1 No.(Applicable to wall mounted type, other types are omitted)
8	Design No.	Named in order of A, B, C,...,
9	Power supply	D- 208-230V ~ 60Hz; K-220-240V ~ 50Hz & 230-240V ~50Hz; T-208-230V ~ 60Hz & 220-240V ~ 50Hz; R- 220V-240V ~ 50Hz & 220V/230V ~ 60Hz.

Generation II Fan Coil Units

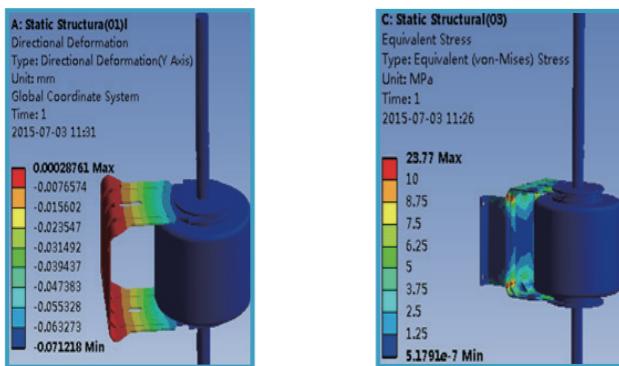
F P [1] [2] - [3] [4] [5] [6] [7] / [8] [9] ([10] [11]) - [12]

No.	Description	Options
Null	FP	Gree Fan Coil Unit
1	Motor type	Omitted- AC motor; D- DC motor; E- EC motor;
2	Function	Omitted- Standard cooling; D- District cooling;
3	Air flow volume code	Normal air flow volume (m ³ /h) /10
4	Structure type	L- Vertical type; W- Horizontal type; XD- Cassette type; ZD/WM- Floor ceiling type; B- Wall mounted type (Different panels are distinguished such as BA2, BA3...);
5	Installation type	A- Concealed type; M-Exposed type;
6	External static pressure	Omitted- 12pa; H- 30pa; U- 50pa; G+No.- High external static pressure(No.=100Pa, 120Pa...)
7	Pipe type of the unit and No. of rows of the heat exchanger tube	Omitted- Standard type(2 pipes, 2 rows); S- 2 pipes, 3 rows; F- 2 pipes, 4 rows; T- 4 pipes(3+1 rows); D+No.-District cooling(No.- No. of rows of the heat exchanger tube);
8	Design No.	Named in order of A(A1, A2, A3), B(B1, B2, B3), C(C1, C2, C3)...,
9	Air return box and filter type	Omitted- No air return plenum and filter; H- Rear air return plenum and no filter; X- Bottom air return plenum and no filter; HL- Rear air return plenum and aluminum filter(frame and mesh are aluminum alloy); HN- Rear air return plenum and nylon filter; XL- Bottom air return plenum and aluminum filter(frame and mesh are aluminum alloy); XN- Bottom air return plenum and nylon filter;
10	Fan type	Omitted- Quiet fan; T- Metallic fan;
11	Condensate tray type and insulation material	Omitted- Standard(galvanized steel) tray with PE insulation; C+No.- Standard(galvanized steel) extended tray with PE insulation; A- Stainless steel tray(PE); A+No.- Stainless steel extended tray; B- Standard(galvanized steel) with fireproof fiber insulation; B+No.- Standard(galvanized steel) extended tray with fireproof fiber; D-Stainless steel with fireproof fiber insulation; D+No.- Stainless steel extended tray with fireproof fiber insulation; Note: the "No." indicates the extended length/100, like C3 indicates the extended length is 3×100mm.
12	Power supply	D- 208-230V ~ 60Hz; K-220-240V ~ 50Hz & 230-240V ~ 50Hz; T-208-230V ~ 60Hz & 220-240V ~ 50Hz; R- 220V-240V ~ 50Hz & 220V/230V ~ 60Hz.

CONCEALED CEILING TYPE

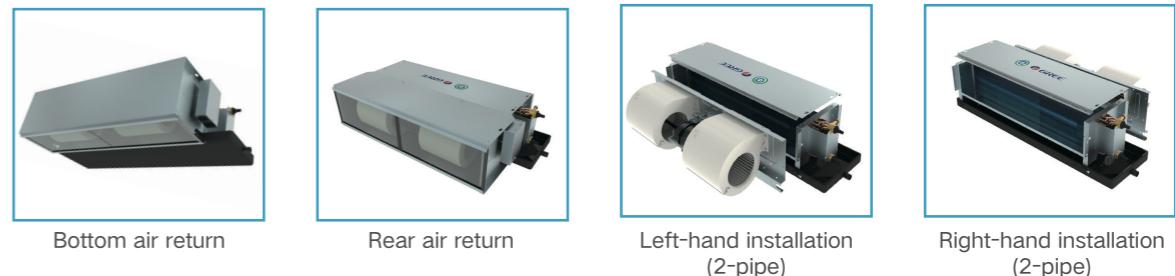


- ◆ With compact structure, the installation of unit is flexible, convenient, and space-saving;
 - ◆ Anti-corrosion Plastic Fan
 - > Light weight, providing bigger air volume under the drive of the same motor;
 - > Good consistency between vane and volute casing, achieving quiet effect;
 - > Airflow passage and vane angle are optimized by CFD software, offering higher efficiency. The volute casing is divided into upper part and lower part, convenient for maintenance;
 - ◆ Quiet and Comfortable
 - > The tangential arc + straight line + helix design, which leads to more uniform airflow and then lower noise and better comfort.
 - ◆ High-quality and Reliable
 - > Strict harmonic test, sweep check, and winding temperature rise test are carried out on the motor to ensure electrical safety.
 - > The optimized motor fixing structure ensures that the unit can better pass the the whole unit drop test.



- ◆ Flexible Structure
 - > The air return plenum can be integrated or separated with the unit. For the former, it can be delivered with the unit together.
 - > The material of the filter can choose nylon or aluminum. Furthermore, G2 and G4 filters are optional.
 - > The metallic fan are optional for meeting different demands.
 - ◆ Condensate Tray
 - > The standard configuration of the condensate tray is galvanized steel, and stainless steel is optional.
 - > The condensate tray can be extended by 300mm or 500mm depending on the application. For details, please consult Gree local distributors when selecting models.

- ◆ Easy Installation
 - > Fan mounting panel: its special design can meet bottom air return or rear air return.
 - > Installation switchover: the left-hand or right-hand installation can be switched over on site quickly.
 - > Specially-designed electric box structure: for fan coil units with AC motor, the motor is separated with the capacitor, which can facilitate after-sales replacement and maintenance.



- ◆ Two rows series adopts small enthalpy difference design, suitable for the application with high comfort demand and high regulation precision;
 - ◆ Four rows series adopts big enthalpy difference design to meet the requirements of better dehumidification;
 - ◆ Four-pipe models (three rows for cooling and one row for heating) are applicable for the four-pipe air conditioning system. They can perform cooling and heating to meet various demands.

Item	Operation Ambient Temperature Range(°C)	Water Supply Temperature Range(°C)
Cooling	14-40	≥ 5
Heating	10-35	≤ 80

Generation II G Series Concealed Ceiling FCU 50Hz (2 rows(2 pipes), ESP: 12Pa)

Model		FP-34WAH/GHL-K	FP-51WAH/GHL-K	FP-68WAH/GHL-K	FP-85WAH/GHL-K	FP-102WAH/GHL-K	FP-136WAH/GHL-K	FP-170WAH/GHL-K	FP-204WAH/GHL-K
Air flow volume(H/M/L)	m³/h	340/248/173	510/394/263	680/495/330	850/638/425	1020/788/525	1360/1095/730	1700/1275/850	2040/1575/1050
	CFM	200/146/102	300/232/155	400/291/194	500/375/250	600/464/309	800/644/430	1000/750/500	1201/927/618
ESP	Pa	12	12	12	12	12	12	12	12
Capacity	Cooling/Heating	kW	1.85/3.05	2.80/4.62	3.60/5.94	4.50/7.40	5.50/9.00	7.35/12.10	9.20/15.10
Power system	Power supply	V/Ph/Hz	220-240V~ 50Hz	220-240V~ 50Hz	220-240V~ 50Hz	220-240V~ 50Hz	220-240V~ 50Hz	220-240V~ 50Hz	220-240V~ 50Hz
	Input	kW	0.034	0.052	0.062	0.076	0.096	0.134	0.152
Water system	Cooling water flow volume	L/s	0.09	0.14	0.17	0.21	0.27	0.35	0.5
		GPM	1.43	2.22	2.70	3.33	4.29	5.56	7.94
	Heating water flow volume	L/s	0.10	0.16	0.20	0.22	0.29	0.38	0.43
		GPM	1.66	2.57	3.17	3.55	4.54	6.05	8.99
	Cooling pressure drop	kPa	15	30	23	25	35	40	36
		Ft.WG	4.92	9.84	7.54	8.2	11.48	13.12	11.81
	Heating pressure drop	kPa	18	43	40	26	42	48	45
		Ft.WG	5.90	14.10	13.12	8.53	13.78	15.74	14.76
	Sound pressure level	dB(A)	37	39	41	43	45	46	48
	Dimension (W × D × H)	Outline	mm	680 × 520 × 235	800 × 520 × 235	900 × 520 × 235	1000 × 520 × 235	1080 × 520 × 235	1380 × 520 × 235
	Package	mm	773 × 603 × 325	893 × 603 × 325	993 × 603 × 325	1093 × 603 × 325	1173 × 603 × 325	1473 × 603 × 325	1608 × 603 × 325
Net weight/Gross weight	kg	14.5/19.2	17.0/21.9	18.9/24.0	20.8/26.2	21.9/27.5	31.5/37.5	34.1/41.6	38.0/44.5
Connection pipe diameter	Water inlet & outlet(inner thread)	Inch	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4
	Condensed water drain(outer thread)	Inch	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4
Loading quantity	40'GP/40'HQ	Set	324/432	273/364	249/332	225/300	210/280	168/224	150/200
Optional	Wired remote controller	-	WK-010PV / WK-010PW / WK-011PM / WK-010PM						

Model		FP-34WAH/GHL-K	FP-51WAH/GHL-K	FP-68WAH/GHL-K	FP-85WAH/GHL-K	FP-102WAH/GHL-K	FP-136WAH/GHL-K	FP-170WAH/GHL-K	FP-204WAH/GHL-K
Air flow volume(H/M/L)	m³/h	340/248/173	510/394/263	680/495/330	850/638/425	1020/788/525	1360/1095/730	1700/1275/850	2040/1575/1050
	CFM	200/146/102	300/232/155	400/291/194	500/375/250	600/464/309	800/644/430	1000/750/500	1201/927/618
ESP	Pa	30	30	30	30	30	30	30	30
Capacity	Cooling/Heating	kW	1.85/3.05	2.80/4.62	3.60/5.94	4.50/7.40	5.50/9.00	7.35/12.10	9.20/15.10
Power system	Power supply	V/Ph/Hz	220-240V~ 50Hz	220-240V~ 50Hz	220-240V~ 50Hz	220-240V~ 50Hz	220-240V~ 50Hz	220-240V~ 50Hz	220-240V~ 50Hz
	Input	kW	0.034	0.052	0.062	0.076	0.096	0.134	0.152
Water system	Cooling water flow volume	L/s	0.09	0.14	0.17	0.21	0.27	0.35	0.5
		GPM	1.43	2.22	2.70	3.33	4.29	5.56	7.94
	Heating water flow volume	L/s	0.10	0.16	0.20	0.22	0.29	0.38	0.57
		GPM	1.66	2.57	3.17	3.55	4.54	6.05	8.99
	Cooling pressure drop	kPa	15	30	23	25	35	40	36
		Ft.WG	4.92	9.84	7.54	8.2	11.48	13.12	11.81
	Heating pressure drop	kPa	18	43	40	26	42	48	45
		Ft.WG	5.90	14.10	13.12	8.53	13.78	15.74	14.76
	Sound pressure level	dB(A)	40	42	44	46	47	48	50
	Dimension (W × D × H)	Outline	mm	680 × 520 × 235	800 × 520 × 235	900 × 520 × 235	1000 × 520 × 235	1080 × 520 × 235	1380 × 520 × 235
	Package	mm	773 × 603 × 325	893 × 603 × 325	993 × 603 × 325	1093 × 603 × 325	1173 × 603 × 325	1473 × 603 × 325	1608 × 603 × 325
Net weight/Gross weight	kg	14.5/19.2	17.0/21.9	18.9/24.0	20.8/26.2	21.9/27.5	31.5/37.5	34.1/41.6	38.0/44.5
Connection pipe diameter	Water inlet & outlet(inner thread)	Inch	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4
	Condensed water drain(outer thread)	Inch	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4
Loading quantity	40'GP/40'HQ	Set	324/432	273/364	249/332	225/300	210/280	168/224	150/200
Optional	Wired remote controller	-	WK-010PV / WK-010PW / WK-011PM / WK-010PM						

Generation II G Series Concealed Ceiling FCU 50Hz (2 rows(2 pipes), ESP: 30Pa)

Model		FP-34WAH/G-K	FP-51WAH/G-K	FP-68WAH/G-K	FP-85WAH/G-K	FP-102WAH/G-K	FP-136WAH/G-K	FP-170WAH/G-K	FP-204WAH/G-K
Air flow volume(H/M/L)	m³/h	340/248/173	510/394/263	680/495/330	850/638/425	1020/788/525	1360/1095/730	1700/1275/850	2040/1575/1050
	CFM	200/146/102	300/232/155	400/291/194	500/375/250	600/464/309	800/644/430	1000/750/500	1201/927/618
ESP	Pa	30	30	30	30	30	30	30	30
Capacity	Cooling/Heating	kW	1.85/3.05	2.80/4.62	3.60/5.94	4.50/7.40	5.50/9.00	7.35/12.10	9.20/15.10
Power system	Power supply	V/Ph/Hz	220-240V~ 50Hz						
	Input	kW	0.042	0.053	0.064	0.087	0.108	0.148	0.174
Water system	Cooling water flow volume	L/s	0.09	0.14	0.17	0.21	0.27	0.35	0.5
		GPM	1.43	2.22	2.70	3.33	4.29	5.56	7.94
	Heating water flow volume	L/s	0.09	0.14	0.17	0.21	0.27	0.35	0.55
		GPM	1.43	2.22	2.70				



Model		FP-34WAS/ GHL-K	FP-51WAS/ GHL-K	FP-68WAS/ GHL-K	FP-85WAS/ GHL-K	FP-102WAS/ GHL-K	FP-136WAS/ GHL-K	FP-170WAS/ GHL-K	FP-204WAS/ GHL-K	
Air flow volume(H/M/L)	m³/h	340/248/173	510/394/263	680/495/330	850/638/425	1020/788/525	1360/1095/730	1700/1275/850	2040/1575/1050	
	CFM	200/146/102	300/232/155	400/291/194	500/375/250	600/464/309	800/644/430	1000/750/500	1201/927/618	
ESP	Pa	12	12	12	12	12	12	12		
Capacity	Cooling/Heating	kW	2.25/3.60	3.30/5.30	4.30/6.93	5.00/8.05	6.30/10.10	8.20/13.20	9.80/15.80	11.00/18.00
Power system	Power supply	V/Ph/Hz	220-240V~ 50Hz	220-240V~ 50Hz	220-240V~ 50Hz	220-240V~ 50Hz	220-240V~ 50Hz	220-240V~ 50Hz	220-240V~ 50Hz	
	Input	kW	0.035	0.052	0.062	0.075	0.096	0.134	0.148	0.189
Water system	Cooling water flow volume	L/s	0.09	0.14	0.17	0.21	0.27	0.4	0.5	0.55
		GPM	1.43	2.22	2.70	3.33	4.29	6.35	7.94	8.73
Water system	Heating water flow volume	L/s	0.07	0.11	0.13	0.16	0.20	0.30	0.38	0.42
		GPM	1.08	1.68	2.04	2.52	3.24	4.80	6.00	6.60
Water system	Cooling pressure drop	kPa	20	21	22	30	35	40	33	40
		Ft.WG	6.56	6.89	7.22	9.84	11.48	13.12	10.82	13.12
Water system	Heating pressure drop	kPa	22.00	31.00	31.00	42.00	47.00	47.00	38.00	41.00
		Ft.WG	7.22	10.17	10.17	13.78	15.42	15.42	12.46	13.45
Sound pressure level	dB(A)	37	39	41	43	45	46	46	50	
Dimension (W×D×H)	Outline	mm	680×520×235	800×520×235	900×520×235	1000×520×235	1080×520×235	1380×520×235	1520×520×235	1620×520×235
	Package	mm	773×603×325	893×603×325	993×603×325	1093×603×325	1173×603×325	1473×603×325	1608×603×325	1713×603×325
Net weight/Gross weight	kg	14.9/19.6	17.4/22.3	19.3/24.4	21.3/26.7	22.7/28.3	30.9/36.9	34.5/42.0	38.0/44.5	
Connection pipe diameter	Water inlet & outlet(inner thread)	Inch	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	
	Condensed water drain(outer thread)	Inch	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	
Loading quantity	40'GP/40'HQ	Set	324/432	273/364	249/332	225/300	210/280	168/224	150/200	138/184
Optional	Wired remote controller	-	WK-010PV / WK-010PW / WK-011PM / WK-010PM							

Model		FP-34WAHS/ GHL-K	FP-51WAHS/ GHL-K	FP-68WAHS/ GHL-K	FP-85WAHS/ GHL-K	FP-102WAHS/ GHL-K	FP-136WAHS/ GHL-K	FP-170WAHS/ GHL-K	FP-204WAHS/ GHL-K	
Air flow volume(H/M/L)	m³/h	340/248/173	510/394/263	680/495/330	850/638/425	1020/788/525	1360/1095/730	1700/1275/850	2040/1575/1050	
	CFM	200/146/102	300/232/155	400/291/194	500/375/250	600/464/309	800/644/430	1000/750/500	1201/927/618	
ESP	Pa	30	30	30	30	30	30	30		
Capacity	Cooling/Heating	kW	2.25/3.60	3.30/5.30	4.30/6.93	5.00/8.05	6.30/10.10	8.20/13.20	9.80/15.80	11.00/18.00
Power system	Power supply	V/Ph/Hz	220-240V~ 50Hz	220-240V~ 50Hz	220-240V~ 50Hz	220-240V~ 50Hz	220-240V~ 50Hz	220-240V~ 50Hz	220-240V~ 50Hz	
	Input	kW	0.042	0.053	0.072	0.082	0.104	0.156	0.174	0.212
Water system	Cooling water flow volume	L/s	0.09	0.14	0.17	0.21	0.27	0.4	0.5	0.55
		GPM	1.43	2.22	2.70	3.33	4.29	6.35	7.94	8.73
Water system	Heating water flow volume	L/s	0.07	0.11	0.13	0.16	0.20	0.30	0.38	0.42
		GPM	1.08	1.68	2.04	2.52	3.24	4.80	6.00	6.60
Water system	Cooling pressure drop	kPa	20	21	22	30	35	40	33	40
		Ft.WG	6.56	6.89	7.22	9.84	11.48	13.12	10.82	13.12
Water system	Heating pressure drop	kPa	22.00	31.00	31.00	42.00	47.00	47.00	38.00	41.00
		Ft.WG	7.22	10.17	10.17	13.78	15.42	15.42	12.46	13.45
Sound pressure level	dB(A)	40	42	44	46	47	48	48	52	
Dimension (W×D×H)	Outline	mm	680×490×235	800×460×235	900×490×235	1000×490×235	1080×490×235	1380×490×235	1520×490×235	1620×490×235
	Package	mm	788×258×570	908×258×570	1008×258×570	1108×258×570	1188×258×570	1488×258×570	1623×258×570	1728×258×570
Net weight/Gross weight	kg	11.6/14.6	13.4/16.9	14.7/18.4	16.0/19.9	17.4/21.4	24.0/29.0	26.6/32.2	28.5/34.0	
Connection pipe diameter	Water inlet & outlet(inner thread)	Inch	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	
	Condensed water drain(outer thread)	Inch	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	
Loading quantity	40'GP/40'HQ	Set	448/490	447/482	344/386	316/355	316/355	220/247	220/247	220/247
Optional	Wired remote controller	-	WK-010PV / WK-010PW / WK-011PM / WK-010PM							

Generation II G Series Concealed Ceiling FCU 50Hz (3 rows(2 pipes), ESP: 30Pa)

Model		FP-34WAHS/ G-K	FP-51WAHS/ G-K	FP-68WAHS/ G-K	FP-85WAHS/ G-K	FP-102WAHS/ G-K	FP-136WAHS/ G-K	FP-170WAHS/ G-K	FP-204WAHS/ G-K	
Air flow volume(H/M/L)	m³/h	340/248/173	510/394/263	680/495/330	850/638/425	1020/788/525	1360/1095/730	1700/1275/850	2040/1575/1050	
	CFM	200/146/102	300/232/155	400/291/194	500/375/250	600/464/309	800/644/430	1000/750/500	1201/927/618	
ESP	Pa	30	30	30	30	30	30	30		
Capacity	Cooling/Heating	kW	2.25/3.60	3.30/5.30	4.30/6.93	5.00/8.05	6.30/10.10	8.20/13.20	9.80/15.80	11.25/18.60
Power system	Power supply	V/Ph/Hz	220-240V~ 50Hz	220-240V~ 50Hz	220-240V~ 50Hz	220-240V~ 50Hz	220-240V~ 50Hz	220-240V~ 50Hz	220-240V~ 50Hz	
	Input	kW	0							

(EC motor)									
Model		FPE-51WAUF/G(T)-K	FPE-68WAUF/G(T)-K	FPE-85WAUF/G(T)-K	FPE-102WAUF/G(T)-K	FPE-136WAUF/G(T)-K	FPE-170WAUF/G(T)-K	FPE-204WAUF/G(T)-K	FPE-238WAUF/G(T)-K
Air flow volume(H/M/L)	m³/h	510/394/264	680/495/340	850/638/425	1020/788/525	1360/1095/730	1700/1275/850	2040/1575/1050	2380/1850/1250
	CFM	300/231/155	400/291/170	500/375/250	600/464/309	800/644/429	1000/750/500	1200/926/618	1400/1088/735
ESP	Pa	50	50	50	50	50	50	50	50
Capacity	Cooling/Heating	kW	3.15/5.30	4.20/6.93	5.00/8.05	6.30/10.10	8.20/13.20	9.80/15.80	11.25/18.60
Power system	Power supply	V/Ph/Hz	220-240V ~50Hz	220-240V ~50Hz	220-240V ~50Hz	220-240V ~50Hz	220-240V ~50Hz	220-240V ~50Hz	220-240V ~50Hz
	Input	kW	0.04	0.049	0.061	0.08	0.101	0.125	0.173
Water system	Cooling water flow volume	L/s	0.16	0.21	0.24	0.28	0.39	0.47	0.54
		GPM	2.54	3.33	3.81	4.44	6.19	7.46	8.57
	Heating water flow volume	L/s	0.16	0.21	0.24	0.28	0.39	0.47	0.54
		GPM	2.54	3.33	3.81	4.44	6.19	7.46	8.57
	Cooling pressure drop	kPa	21	22	30	35	40	33	40
		Ft.WG	6.89	7.22	9.84	11.48	13.12	10.82	13.12
	Heating pressure drop	kPa	21	22	30	35	40	33	40
		Ft.WG	6.89	7.22	9.84	11.48	13.12	10.82	13.12
Sound pressure level	dB(A)	42	43	44	46	47	48	52	53
Dimension (W×D×H)	Outline	mm	800×460×235	900×490×235	1000×490×235	1190×490×235	1520×490×235	1620×490×235	1770×490×235
	Package	mm	905×255×555	1005×255×555	1105×255×555	1295×255×555	1625×255×555	1725×255×555	1875×255×555
Net weight/Gross weight	kg	14.2/16.9	16.2/19.4	17.4/21.0	18.8/22.7	27.6/33.6	30.3/35.8	32.8/38.3	40.0/47.0
Connection pipe diameter	Water inlet & outlet(inner thread)	Inch	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4
	Condensed water drain(outer thread)	Inch	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4
Loading quantity	40'GP/40'HQ	Set	436/501	390/455	344/386	288/352	229/257	228/256	205/247
Optional	Wired remote controller	-	WK-010PV / WK-010PW / WK-011PM / WK-010PM						

(DC motor)									
Model		FPD-51WAUF/G(T)-K	FPD-68WAUF/G(T)-K	FPD-85WAUF/G(T)-K	FPD-102WAUF/G(T)-K	FPD-136WAUF/G(T)-K	FPD-170WAUF/G(T)-K	FPD-204WAUF/G(T)-K	FPD-238WAUF/G(T)-K
Air flow volume(H/M/L)	m³/h	530/470/370	690/595/475	890/825/625	1020/920/520	1400/1050/800	1750/1180/860	2040/1420/1115	2380/1990/1350
	CFM	312/276/218	406/350/279	524/485/368	600/541/306	824/618/471	1029/694/506	1200/835/656	1400/1171/794
ESP	Pa	50	50	50	50	50	50	50	50
Capacity	Cooling/Heating	kW	2.50/4.80	3.45/6.20	4.70/8.60	5.30/9.70	7.55/13.50	9.40/17.10	10.60/19.40
Power system	Power supply	V/Ph/Hz	220-240V ~50Hz	220-240V ~50Hz	220-240V ~50Hz	220-240V ~50Hz	220-240V ~50Hz	220-240V ~50Hz	220-240V ~50Hz
	Input	kW	0.063	0.076	0.1	0.125	0.183	0.225	0.253
Water system	Cooling water flow volume	L/s	0.07	0.10	0.13	0.15	0.21	0.27	0.30
		GPM	1.11	1.59	2.06	2.38	3.33	4.29	4.76
	Heating water flow volume	L/s	0.07	0.10	0.13	0.15	0.21	0.27	0.30
		GPM	1.11	1.59	2.06	2.38	3.33	4.29	4.76
	Cooling pressure drop	kPa	10	20	36	18	41	29	41
		Ft.WG	3.28	6.56	11.808	5.904	13.448	9.512	13.448
	Heating pressure drop	kPa	10	20	36	18	41	29	41
		Ft.WG	3.28	6.56	11.808	5.904	13.448	9.512	13.448
Sound pressure level	dB(A)	41.5	43.5	45	47.5	47	48.5	52	51
Dimension (W×D×H)	Outline	mm	800×460×235	900×490×235	1000×490×235	1190×490×235	1520×490×235	1620×490×235	1770×490×235
	Package	mm	905×255×555	1005×255×555	1105×255×555	1295×255×555	1485×255×555	1725×255×555	1875×255×555
Net weight/Gross weight	kg	17/20	19/22	20.5/24	23/27	23/27	32/38	35.5/40	38/43
Connection pipe diameter	Water inlet & outlet(inner thread)	Inch	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4
	Condensed water drain(outer thread)	Inch	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4
Loading quantity	40'GP/40'HQ	Set	436/501	390/455	344/386	288/352	229/257	228/256	205/247
Optional	Wired remote controller	-	WK-010PV / WK-010PW / WK-011PM / WK-010PM						

Generation II G Series Concealed Ceiling FCU 50Hz (4 rows(2 pipes), ESP: 50Pa)

(EC motor)									
Model		FPF-51WAUF/G(T)-K	FPF-68WAUF/G(T)-K	FPF-85WAUF/G(T)-K	FPF-102WAUF/G(T)-K	FPF-136WAUF/G(T)-K	FPF-170WAUF/G(T)-K	FPF-204WAUF/G(T)-K	FPF-238WAUF/G(T)-K
Air flow volume(H/M/L)	m³/h	530/470/370	690/595/475	890/825/625	1020/920/520	1400/1050/800	1750/1180/860	2040/1420/1115	2380/1990/1350
	CFM	312/276/218	406/350/279	524/485/368	600/541/306	824/618/471	1029/694/506	1200/835/656	1400/1171/794
ESP	Pa	50	50	50	50	50	50	50	50
Capacity	Cooling/Heating	kW	3.35/5.54	4.3/7.05	5.4/8.9	6.35/10.6	9.0/14.5	10.1/16.3	12.5/20.4
Power system	Power supply	V/Ph/Hz	220-240V ~50Hz	220-240V ~50Hz	220-240V ~50Hz	220-240V ~50Hz	220-240V ~50Hz	220-240V ~50Hz	220-240V ~50Hz
	Input	kW	0.044	0.054	0.065	0.08	0.107	0.133	0.173
Water system	Cooling water flow volume	L/s	0.14	0.18	0.24	0.28	0.38	0.46	0.64
		GPM	2.24						

(EC motor, district cooling)

Model		FPED-51WAUF/G(T)-K	FPED-68WAUF/G(T)-K	FPED-85WAUF/G(T)-K	FPED-102WAUF/G(T)-K	FPED-136WAUF/G(T)-K	FPED-170WAUF/G(T)-K	FPED-204WAUF/G(T)-K	FPED-238WAUF/G(T)-K	
Air flow volume(H/M/L)	m³/h	540/470/320	680/520/380	850/750/460	1020/820/520	1360/1100/800	1700/1400/900	2040/1700/1100	2380/2050/1150	
	CFM	318/276/188	400/306/224	500/441/271	600/482/306	800/647/471	1000/824/529	1200/1000/647	1400/1206/676	
ESP	Pa	50	50	50	50	50	50	50	50	
Capacity	Cooling/Heating	kW	2.8/5.12	3.4/6.3	4.5/8.3	5.3/9.9	7.2/13.1	8/14.72	10.6/19.6	
Power system	Power supply	V/Ph/Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz	
	Input	kW	0.044	0.054	0.065	0.08	0.107	0.133	0.173	
Water system	Cooling water flow volume	L/s	0.08	0.10	0.13	0.15	0.21	0.23	0.30	
		GPM	1.27	1.54	2.03	2.40	3.25	3.62	4.79	
Water system	Heating water flow volume	L/s	0.08	0.10	0.13	0.15	0.21	0.23	0.30	
		GPM	1.27	1.54	2.03	2.40	3.25	3.62	4.79	
Water system	Cooling pressure drop	kPa	12	12	33	20	40	20	36	
		Ft.WG	3.94	3.94	10.82	6.56	13.12	6.56	11.81	
Water system	Heating pressure drop	kPa	12	12	33	20	40	20	36	
		Ft.WG	3.94	3.94	10.82	6.56	13.12	6.56	11.81	
Sound pressure level	dB(A)	43.5	44	44.5	46.5	45	48	50	50.5	
Dimension (W×D×H)	Outline	mm	800×460×235	900×490×235	1000×490×235	1190×490×235	1520×490×235	1620×490×235	1770×490×235	1950×560×285
	Package	mm	905×255×555	1005×255×555	1105×255×555	1295×255×555	1625×255×555	1725×255×555	1875×255×555	1970×350×640
Net weight/Gross weight	kg	18/22	20.5/24	22/27	24.5/28	35/42	38.5/43	41/46	46.5/54.5	
Connection pipe diameter	Water inlet & outlet(inner thread)	Inch	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	
	Condensed water drain(outer thread)	Inch	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	
Loading quantity	40'GP/40'HQ	Set	501/436	455/390	386/344	352/288	257/229	256/228	247/205	
Optional	Wired remote controller	-	WK-010PV / WK-010PW / WK-011PM / WK-010PM							

Generation II G Series Concealed Ceiling FCU 60Hz (2 rows(2 pipes), ESP: 12Pa)

Model		FP-34WA/G-D	FP-51WA/G-D	FP-68WA/G-D	FP-85WA/G-D	FP-102WA/G-D	FP-136WA/G-D	FP-170WA/G-D	FP-204WA/G-D
Air flow volume(H/M/L)	m³/h	340/248/173	510/394/263	680/495/330	850/638/425	1020/788/525	1360/1095/730	1700/1275/850	2040/1575/1050
	CFM	200/146/102	300/232/155	400/291/194	500/375/250	600/464/309	800/644/430	1000/750/500	1201/927/618
ESP	Pa	12	12	12	12	12	12	12	12
Capacity	Cooling/Heating	kW	1.90/3.05	3.00/5.00	3.60/5.90	4.70/7.70	5.70/9.35	7.35/12.10	9.50/15.80
Power system	Power supply	V/Ph/Hz	208-230V~60Hz	208-230V~60Hz	208-230V~60Hz	208-230V~60Hz	208-230V~60Hz	208-230V~60Hz	208-230V~60Hz
	Input	kW	0.036	0.057	0.07	0.104	0.105	0.164	0.18
Water system	Cooling water flow volume	L/s	0.03	0.04	0.05	0.06	0.07	0.1	0.12
		GPM	0.48	0.63	0.79	0.95	1.11	1.59	1.90
Water system	Heating water flow volume	L/s	0.03	0.04	0.05	0.06	0.07	0.1	0.12
		GPM	0.48	0.63	0.79	0.95	1.11	1.59	1.90
Water system	Cooling pressure drop	kPa	15	30	23	25	35	40	40
		Ft.WG	4.92	9.84	7.54	8.2	11.48	13.12	11.81
Water system	Heating pressure drop	kPa	15	30	23	25	35	40	40
		Ft.WG	4.92	9.84	7.54	8.2	11.48	13.12	11.81
Sound pressure level	dB(A)	34.5	38	40	43	45	46	48	50
Dimension (W×D×H)	Outline	mm	680×490×235	800×460×235	900×490×235	1000×490×235	1080×490×235	1380×490×235	1520×490×235
	Package	mm	788×258×570	908×258×570	1008×258×570	1108×258×570	1488×258×570	1623×258×570	1728×258×570
Net weight/Gross weight	kg	11.2/14.2	13.0/16.5	14.3/18.0	15.5/19.4	16.6/20.6	23.0/28.0	26.2/31.8	28.5/34.0
Connection pipe diameter	Water inlet & outlet(inner thread)	Inch	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4
	Condensed water drain(outer thread)	Inch	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4
Loading quantity	40'GP/40'HQ	Set	448/490	447/482	344/386	316/355	220/247	220/247	220/247
Optional	Wired remote controller	-	WK-010PV / WK-010PW / WK-011PM / WK-010PM						

Generation II G Series Concealed Ceiling FCU 60Hz (2 rows(2 pipes), ESP: 30Pa)

Model		FP-34WAH/G-D	FP-51WAH/G-D	FP-68WAH/G-D	FP-85WAH/G-D	FP-102WAH/G-D	FP-136WAH/G-D	FP-170WAH/G-D	FP-204WAH/G-D
Air flow volume(H/M/L)	m³/h	340/248/173	510/394/263	680/495/330	850/638/425	1020/788/525	1360/1095/730	1700/1275/850	2040/1575/1050
	CFM	200/146/102	300/232/155	400/291/194	500/375/250	600/464/309	800/644/430	1000/750/500	1201/927/618
ESP	Pa	30	30	30	30	30	30	30	30
Capacity	Cooling/Heating	kW	1.90/3.05	3.00/5.00	3.60/5.90	4.70/7.70	5.70/9.35	7.35/12.10	9.50/15.80
Power system	Power supply	V/Ph/Hz	208-230V~60Hz						
	Input	kW	0.049	0.058	0.074	0.105	0.123	0.165	0.221
Water system	Cooling water flow volume	L/s	0.03	0.04	0.05	0.06	0.07	0.1	0.12
		GPM	0.48	0.63	0.79	0.95	1.11	1.59	1.90
Water system	Heating water flow volume	L/s	0.03	0.04	0.05	0.06	0		

Generation II G Series Concealed Ceiling FCU 60Hz (3 rows(2 pipes), ESP: 30Pa)

Model		FP-34WAHS/G-D	FP-51WAHS/G-D	FP-68WAHS/G-D	FP-85WAHS/G-D	FP-102WAHS/G-D	FP-136WAHS/G-D	FP-170WAHS/G-D	FP-204WAHS/G-D
Air flow volume(H/M/L)	m³/h	340/248/173	510/394/263	680/495/330	850/638/425	1020/788/525	1360/1095/730	1700/1275/850	2040/1575/1050
	CFM	200/146/102	300/232/155	400/291/194	500/375/250	600/464/309	800/644/430	1000/750/500	1201/927/618
ESP	Pa	30	30	30	30	30	30	30	30
Capacity	Cooling/Heating	kW	2.25/3.70	3.30/5.40	4.40/7.35	5.20/8.50	6.60/10.65	8.30/13.50	10.20/17.00
Power system	Power supply	V/Ph/Hz	208-230V~ 60Hz	208-230V~ 60Hz	208-230V~ 60Hz	208-230V~ 60Hz	208-230V~ 60Hz	208-230V~ 60Hz	208-230V~ 60Hz
	Input	kW	0.049	0.064	0.074	0.105	0.123	0.183	0.221
Water system	Cooling water flow volume	L/s	0.03	0.04	0.06	0.07	0.08	0.11	0.13
		GPM	0.48	0.63	0.95	1.11	1.27	1.75	2.06
	Heating water flow volume	L/s	0.03	0.04	0.06	0.07	0.08	0.11	0.13
		GPM	0.48	0.63	0.95	1.11	1.27	1.75	2.06
	Cooling pressure drop	kPa	20	21	22	30	35	40	33
		Ft.WG	6.56	6.89	7.22	9.84	11.48	13.12	10.82
	Heating pressure drop	kPa	20	21	22	30	35	40	33
		Ft.WG	6.56	6.89	7.22	9.84	11.48	13.12	10.82
Sound pressure level	dB(A)	38	40	44	46	48	49	50	52
Dimension (W × D × H)	Outline	mm	680 × 490 × 235	800 × 460 × 235	900 × 490 × 235	1000 × 490 × 235	1080 × 490 × 235	1380 × 490 × 235	1520 × 490 × 235
	Package	mm	788 × 258 × 570	908 × 258 × 570	1008 × 258 × 570	1108 × 258 × 570	1188 × 258 × 570	1488 × 258 × 570	1623 × 258 × 570
Net weight/Gross weight	kg	1.6/14.6	13.4/16.9	14.7/18.4	16.0/19.9	17.4/21.4	24.0/29.0	26.6/32.2	28.5/34.0
Connection pipe diameter	Water inlet & outlet(inner thread)	Inch	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4
	Condensed water drain(outer thread)	Inch	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4
Loading quantity	40'GP/40'HQ	Set	448/490	447/482	344/386	316/355	316/355	220/247	220/247
Optional	Wired remote controller	-	WK-010PV / WK-010PW / WK-011PM / WK-010PM						

Generation I Concealed Ceiling FCU 50Hz/60Hz (3 rows(2 pipes), ESP: 30Pa)

Model		FP-238WAS-R	FP-272WAS-R	FP-306WAS-R	FP-340WAS-R
Air flow volume(H/M/L)	m³/h	2380/1650/1240	2720/2100/1470	3060/1710/1140	3400/2380/1380
	CFM	1400/971/729	1600/1235/868	1800/1006/674	2000/1400/812
ESP	Pa	30	30	30	30
Capacity	Cooling/Heating	kW	12.4/19.5	13.5/21.3	16.0/24.8
Power system	Power supply	V/Ph/Hz	220V-240V ~ 50Hz		
	Input	kW	0.38	0.475	0.535
Water system	Cooling water flow volume	L/s	0.57	0.64	0.74
		GPM	9.05	10.16	11.75
	Heating water flow volume	L/s	0.57	0.64	0.74
		GPM	9.05	10.16	11.75
	Cooling pressure drop	kPa	21.9	27.9	37.5
		Ft.WG	7.3	9.3	12.5
	Heating pressure drop	kPa	21.9	27.9	37.5
		Ft.WG	7.3	9.3	13.7
Sound pressure level		dB(A)	56	59	62
Dimension (W × D × H)	Outline	mm	1671 × 595 × 354	1671 × 595 × 354	1921 × 595 × 354
	Package	mm	1750 × 380 × 650	1750 × 380 × 650	1950 × 380 × 650
Net weight/Gross weight	kg	48/55	48/55	52/60	52/60
Connection pipe diameter	Water inlet & outlet(inner thread)	Inch	Rc1		
	Condensed water drain(outer thread)	Inch	R ₂ 1		
Loading quantity	40'GP/40'HQ	Set	140/166	140/166	130/153
Optional	Wired remote controller	-	WK-010PV / WK-010PW / WK-011PM / WK-010PM		
Optional accessory	Plenum with filter	-	HF28	HF28	HF29
	Plenum without filter	-	HF48	HF48	HF49

Model		FP-34WAHS/GHL-D	FP-51WAHS/GHL-D	FP-68WAHS/GHL-D	FP-85WAHS/GHL-D	FP-102WAHS/GHL-D	FP-136WAHS/GHL-D	FP-170WAHS/GHL-D	FP-204WAHS/GHL-D
Air flow volume(H/M/L)	m³/h	340/248/173	510/394/263	680/495/330	850/638/425	1020/788/525	1360/1095/730	1700/1275/850	2040/1575/1050
	CFM	200/146/102	300/232/155	400/291/194	500/375/250	600/464/309	800/644/430	1000/750/500	1201/927/618
ESP	Pa	30	30	30	30	30	30	30	30
Capacity	Cooling/Heating	kW	2.25/3.70	3.30/5.40	4.40/7.35	5.20/8.50	6.60/10.65	8.30/13.50	10.20/17.00
Power system	Power supply	V/Ph/Hz	208-230V~ 60Hz						
	Input	kW	0.049	0.064	0.074	0.074	0.123	0.183	0.221
Water system	Cooling water flow volume	L/s	0.03	0.04	0.06	0.07	0.08	0.11	0.13
		GPM	0.48	0.63	0.95	1.11	1.27	1.75	2.06
	Heating water flow volume	L/s	0.03	0.04	0.06	0.07	0.08	0.11	0.13
		GPM	0.48	0.63	0.95	1.11	1.27	1.75	2.06
	Cooling pressure drop	kPa	20	21	22	30	35	40	33
		Ft.WG	6.56	6.89	7.22	9.84	11.48	13.12	10.82
	Heating pressure drop	kPa	20	21	22	30	35	40	33
		Ft.WG	6.56	6.89	7.22	9.84	11.48	13.12	10.82
Sound pressure level	dB(A)	38	40	44	46	48	49	50	52
Dimension (W × D × H)	Outline	mm	935 × 520 × 235	1055 × 520 × 235	1155 × 520 × 235	1255 × 520 × 235	1335 × 520 × 235	1635 × 520 × 235	1775 × 520 × 235
	Package	mm	1015 × 265 × 570	1140 × 265 × 570	1240 × 265 × 570	1340 × 265 × 570	1430 × 265 × 570	1720 × 265 × 570	1890 × 265 × 570
Net weight/Gross weight	kg	17.3/21.7	19.8/24.4	21.7/26.5	23.7/28.8	25.0/30.2	33.3/39.0	36.9/44.1	40.4/46.6

Generation I Concealed Ceiling FCU 50Hz/60Hz (3+1 rows(4 pipes), ESP: 30Pa)

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)	m³/h	340/255/170	600/450/300	680/510/340	850/637/425	1020/765/510	1450/1087/725
	CFM	200/150/100	353/265/177	401/300/200	501/375/250	601/451/300	854/640/427
ESP	Pa	30	30	30	30	30	30
Capacity	Cooling/Heating	kW	2.30/2.10	3.60/3.35	4.35/4.00	5.40/4.60	6.70/5.35
Power system	Power supply	V/Ph/Hz	220V-240V ~ 50Hz				
	Input	kW	0.043	0.059	0.07	0.084	0.105
Water system	Cooling water flow volume	L/s	0.11	0.17	0.21	0.29	0.32
		GPM	1.75	2.70	3.33	4.60	5.08
	Heating water flow volume	L/s	0.11	0.17	0.21	0.29	0.32
		GPM	1.75	2.70	3.33	4.60	5.08
	Cooling pressure drop	kPa	11	23	18	38	57
		Ft.WG	3.48	7.64	5.97	12.46	18.53
	Heating pressure drop	kPa	11	23	18	38	57
		Ft.WG	3.48	7.64	5.97	12.46	18.53
Sound pressure level	dB(A)	40	42	44	46	47	48
Dimension (W×D×H)	Outline	mm	881×510×245	1011×510×245	1131×510×245	1211×510×245	1371×510×245
	Package	mm	900×275×560	1030×275×560	1150×275×560	1230×275×560	1390×275×560
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(inner thread)	Inch	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4
	Condensed water drain(outer thread)	Inch	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4
Loading quantity	40'GP/40'HQ	Set	448/490	392/434	344/386	316/355	268/301
Optional	Wired remote controller	-	WK-010PN / WK-011PN / WK-010PR / WK-010PS				
Optional accessory	Plenum with filter	-	HF31	HF32	HF33	HF34	HF35
	Plenum without filter	-	HF41	HF42	HF43	HF44	HF45
					HF45	HF46	

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)	m³/h	360/270/180	590/443/295	690/518/345	820/615/410	1040/780/520	1490/1118/745
	CFM	212/159/106	348/261/174	406/305/203	483/362/241	613/459/306	878/658/439
ESP	Pa	30	30	30	30	30	30
	Capacity	Cooling/Heating	kW	2.35/2.15	3.80/3.40	4.40/4.10	5.60/4.70
Power system	Power supply	V/Ph/Hz	208-230V ~ 60Hz				
	Input	kW	0.049	0.080	0.082	0.112	0.140
Water system	Cooling water flow volume	L/s	0.11	0.17	0.21	0.29	0.32
		GPM	1.75	2.70	3.33	4.60	5.08
	Heating water flow volume	L/s	0.11	0.17	0.21	0.29	0.32
		GPM	1.75	2.70	3.33	4.60	5.08
	Cooling pressure drop	kPa	11	23	18	38	57
		Ft.WG	3.48	7.64	5.97	12.46	18.53
	Heating pressure drop	kPa	11	23	18	38	57
		Ft.WG	3.48	7.64	5.97	12.46	18.53
	Sound pressure level	dB(A)	40	42	44	46	48
Dimension (W×D×H)	Outline	mm	881×510×245	1011×510×245	1131×510×245	1211×510×245	1371×510×245
	Package	mm	900×275×560	1030×275×560	1150×275×560	1230×275×560	1390×275×560
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(inner thread)	Inch	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4
	Condensed water drain(outer thread)	Inch	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4
Loading quantity	40'GP/40'HQ	Set	448/490	392/434	344/386	316/355	268/301
Optional	Wired remote controller	-	WK-010PN / WK-011PN / WK-010PR / WK-010PS				
Optional accessory	Plenum with filter	-	HF31	HF32	HF33	HF34	HF35
	Plenum without filter	-	HF41	HF42	HF43	HF44	HF45
			HF45	HF46			

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)	m³/h	1800/1350/900	2040/1530/1020	2380/1650/1240	2720/2100/1470	3060/1710/1140	3400/2380/1380
	CFM	1060/795/530	1202/901/601	1400/970/729	1600/1235/867	1800/1006/674	2000/1400/812
ESP	Pa	30	30	30	30	30	30
Capacity	Cooling/Heating	kW	10.35/8.3	11/8.95	12.35/12.97	13.49/14.17	15.67/16.46
Power system	Power supply	V/Ph/Hz	220V-240V ~ 50Hz				
	Input	kW	0.174	0.206	0.38	0.475	0.535
Water system	Cooling water flow volume	L/s	0.5	0.52	0.59	0.65	0.8
		GPM	7.94	8.25	9.37	10.32	12.70
	Heating water flow volume	L/s	0.5	0.52	0.59	0.65	0.8
		GPM	7.94	8.25	9.37	10.32	13.33
	Cooling pressure drop	kPa	28	29	21.8	26.6	42.1
		Ft.WG	9.18	9.64	7.3	8.9	15.5
	Heating pressure drop	kPa	28	29	21.8	26.6	42.1
		Ft.WG	9.18	9.64	7.3	8.9	15.5
Sound pressure level	dB(A)	50	52	56	58	60	61
Dimension (W×D×H)	Outline	mm	1921×510×245	1921×510×245	1671×595×354	1671×595×354	1921×595×354
	Package	mm	1940×275×560	1940×275×560	1750×380×650	1750×380×650	1950×380×650
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(inner thread)	Inch	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4
	Condensed water drain(outer thread)	Inch	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4
Loading quantity	40'GP/40'HQ	Set	196/220	196/220	140/166	140/166	130/153
Optional	Wired remote controller	-	WK-010PN / WK-011PN / WK-010PR / WK-010PS				
Optional accessory	Plenum with filter	-	HF37	HF37	HF28	HF28	HF29
	Plenum without filter	-	HF47	HF47</			

Generation I Concealed Ceiling FCU 50Hz (3+1 rows(4 pipes), ESP: 30Pa)

Model		FP-34WAHT/BHL-K	FP-51WAHT/BHL-K	FP-68WAHT/BHL-K	FP-85WAHT/BHL-K	FP-102WAHT/BHL-K	FP-136WAHT/BHL-K	FP-170WAHT/BHL-K	FP-204WAHT/BHL-K
Air flow volume(H/M/L)	m³/h	340/255/170	600/450/300	680/510/340	850/637/425	1020/765/510	1450/1087/725	1800/1350/900	2040/1530/1020
	CFM	200/150/100	353/265/177	401/300/200	501/375/250	601/451/300	854/640/427	1060/795/530	1202/901/601
ESP	Pa	30	30	30	30	30	30	30	30
Capacity	Cooling/Heating	kW	2.30/2.10	3.60/3.35	4.35/4.00	5.40/4.60	6.70/5.35	8.10/7.00	10.35/8.30
Power system	Power supply	V/Ph/Hz	220-240V~ 50Hz	220-240V~ 50Hz	220-240V~ 50Hz	220-240V~ 50Hz	220-240V~ 50Hz	220-240V~ 50Hz	220-240V~ 50Hz
	Input	kW	0.045	0.066	0.071	0.09	0.113	0.169	0.186
Water system	Cooling water flow volume	L/s	0.12	0.18	0.22	0.26	0.30	0.40	0.48
		GPM	1.85	2.80	3.44	4.08	4.80	6.27	7.56
	Heating water flow volume	L/s	0.08	0.11	0.14	0.15	0.18	0.24	0.27
		GPM	1.28	1.78	2.15	2.40	2.85	3.74	4.35
	Cooling pressure drop	kPa	8	15	24	35	56	17	32
		Ft.WG	2.62	4.92	7.87	11.48	18.37	5.58	10.50
	Heating pressure drop	kPa	22.7	41.5	79.7	108.2	153.5	53.6	72.4
		Ft.WG	7.45	13.61	26.14	35.49	50.35	17.58	23.75
Sound pressure level		dB(A)	40	42	44	46	47	48	50
Dimension (W × D × H)	Outline	mm	881×510×245	1011×510×245	1131×510×245	1211×510×245	1371×510×245	1761×510×245	1921×510×245
	Package	mm	903×625×278	1033×625×278	1153×625×278	1233×625×278	1390×625×278	1783×625×278	1943×625×278
Net weight/Gross weight	kg	19/22.5	22.5/27	25/29.5	27/31.5	30.5/35	43.5/48.5	47/53	47/53
Connection pipe diameter	Water inlet & outlet(inner thread)	Inch	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4
	Condensed water drain(outer thread)	Inch	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4
Loading quantity	40'GP/40'HQ	Set	321/428	270/360	252/336	271/317	198/264	156/208	144/192
Optional	Wired remote controller	-	WK-010PN / WK-011PN / WK-010PR / WK-010PS						



Generation I Concealed Ceiling FCU 50Hz/60Hz (4 rows(2 pipes), ESP: 30Pa)

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)	m³/h	340/255/170	550/450/300	680/510/340	730/637/425	1020/765/510	1450/1087/725	
	CFM	200/150/100	324/265/177	401/300/200	429/375/250	601/451/300	854/640/427	
ESP	Pa	30	30	30	30	30	30	
Capacity	Cooling/Heating	kW	2.6/4.3	4.0/6.5	4.7/7.3	5.6/8.6	7.5/10.5	9.2/14.5
Power system	Power supply	V/Ph/Hz	220V-240V~ 50Hz					
	Input	kW	0.043	0.059	0.07	0.084	0.105	0.151
Water system	Cooling water flow volume	L/s	0.11	0.19	0.24	0.31	0.35	0.43
		GPM	1.75	3.02	3.81	4.92	5.56	6.83
	Heating water flow volume	L/s	0.11	0.19	0.24	0.31	0.35	0.43
		GPM	1.75	3.02	3.81	4.92	5.56	6.83
	Cooling pressure drop	kPa	15	8	10	23	36	16
		Ft.WG	4.92	2.56	3.18	7.64	11.64	5.38
	Heating pressure drop	kPa	15	8	10	23	36	16
		Ft.WG	4.92	2.56	3.18	7.64	11.64	5.38
Sound pressure level	dB(A)	40	42	44	46	47	48	
Dimension (W × D × H)	Outline	mm	881×510×245	1011×510×245	1131×510×245	1211×510×245	1371×510×245	1761×510×245
	Package	mm	900×275×560	1030×275×560	1150×275×560	1230×275×560	1390×275×560	1780×275×560
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(inner thread)	Inch	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4
	Condensed water drain(outer thread)	Inch	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4
Loading quantity	40'GP/40'HQ	Set	448/490	392/434	344/386	316/355	268/301	220/247
Optional	Wired remote controller	-	WK-010PV / WK-010PW / WK-011PM / WK-010PM					
Optional accessory	Plenum with filter	-	HF31	HF32	HF33	HF34	HF35	HF36
	Plenum without filter	-	HF41	HF42	HF43	HF44	HF45	HF46

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)	m³/h	1800/1350/900	2040/1530/1020	2380/1650/1240	2720/2100/1470	3060/1710/1140	3400/2380/1380	
	CFM	1060/795/530	1202/901/601	1400/970/729	1600/1235/867	1800/1006/674	2000/1400/812	
ESP	Pa	30	30	30	30	30	30	
	Capacity	Cooling/Heating	kW	11.0/18.0	12.2/20.0	14.2/21.4	16.0/24.0	
Power system	Power supply	V/Ph/Hz	220V-240V~ 50Hz					
	Input	kW	0.174	0.206	0.38	0.475	0.535	0.64
Water system	Cooling water flow volume	L/s	0.51	0.58	0.78	0.89	1.02	1.13
		GPM	8.10	9.21	12.38	14.13	16.19	17.94
	Heating water flow volume	L/s	0.51	0.58	0.78	0.89	1.02	1.13
		GPM	8.10	9.21	12.38	14.13	16.19	17.94
	Cooling pressure drop	kPa	23.9	31.5	29.2	21.7	26.2	32.5
		Ft.WG	7.84	10.33	9.7	7.2	8.7	10.8
	Heating pressure drop	kPa	23.9	31.5	29.2	21.7	26.2	32.5
		Ft.WG	7.84	10.33	9.7	7.2	8.7	10.8
Sound pressure level		dB(A)	50	52	56	58	60	61
Dimension (W × D × H)	Outline	mm						

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)	m³/h	1850/1388/925	2160/1620/1080	2380/1650/1240	2720/2100/1470	3060/1710/1140	3400/2380/1380	
	CFM	1090/817/545	1272/954/636	1400/970/729	1600/1235/867	1800/1006/674	2000/1400/812	
ESP		Pa	30	30	30	30	30	
Capacity	Cooling/Heating	kW	11.20/18.20	12.50/20.80	14.28/21.42	16.00/24.00	18.70/28.05	19.80/29.70
Power system	Power supply	V/Ph/Hz	208-230V ~ 60Hz					
	Input	kW	0.217	0.277	0.420	0.547	0.642	0.793
Water system	Cooling water flow volume	L/s	0.51	0.58	0.78	0.89	1.02	1.13
		GPM	8.10	9.21	12.38	14.13	16.19	17.94
	Heating water flow volume	L/s	0.51	0.58	0.78	0.89	1.02	1.13
		GPM	8.10	9.21	12.38	14.13	16.19	17.94
	Cooling pressure drop	kPa	23.9	31.5	29.2	21.7	26.2	32.5
		Ft.WG	7.84	10.33	9.7	7.2	8.7	10.8
	Heating pressure drop	kPa	23.9	31.5	29.2	21.7	26.2	32.5
		Ft.WG	7.84	10.33	9.7	7.2	8.7	10.8
Sound pressure level	dB(A)	50	52	56	58	60	61	
Dimension (W × D × H)	Outline	mm	1921 × 510 × 245	1921 × 510 × 245	1671 × 595 × 354	1671 × 595 × 354	1921 × 595 × 354	1921 × 595 × 354
	Package	mm	1940×275×560	1940×275×560	1750×380×650	1750×380×650	1950×380×650	1950×380×650
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(inner thread)	Inch	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	
	Condensed water drain(outer thread)	Inch	R3/4	R3/4	R3/4	R3/4	R3/4	
Loading quantity	40'GP/40'HQ	Set	196/220	196/220	140/166	140/166	130/153	130/153
Optional	Wired remote controller	-	WK-010PV / WK-010PW / WK-011PM / WK-010PM					
Optional accessory	Plenum with filter	-	HF37	HF37	HF28	HF28	HF29	HF29
	Plenum without filter	-	HF47	HF47	HF48	HF48	HF49	HF49

Generation I Concealed Ceiling FCU 50Hz (4 rows(2 pipes), ESP: 30Pa)

Model		FP-34WAHF/BHL-K	FP-51WAHF/BHL-K	FP-68WAHF/BHL-K	FP-85WAHF/BHL-K	FP-102WAHF/BHL-K	FP-136WAHF/BHL-K	FP-170WAHF/BHL-K	FP-204WAHF/BHL-K	
Air flow volume(H/M/L)	m³/h	340/255/170	530/470/370	690/595/475	890/825/625	1020/920/520	1400/1050/800	1750/1180/860	2040/1420/1115	
	CFM	200/150/100	312/276/218	406/350/279	524/485/368	600/541/306	824/618/471	1029/694/506	1200/835/656	
ESP		Pa	30	30	30	30	30	30	30	
Capacity	Cooling/Heating	kW	2.65/3.10	3.80/4.40	5.00/5.45	5.70/6.15	7.10/7.30	8.90/9.50	11.00/12.30	11.20/13.00
Power system	Power supply	V/Ph/Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz	
	Input	kW	0.045	0.066	0.071	0.084	0.113	0.169	0.186	0.216
Water system	Cooling water flow volume	L/s	0.13	0.18	0.24	0.27	0.34	0.42	0.52	0.53
		GPM	1.85	2.80	3.44	4.08	4.80	6.27	7.56	7.71
	Heating water flow volume	L/s	0.15	0.21	0.26	0.29	0.35	0.45	0.59	0.62
		GPM	2.34	3.33	4.12	4.65	5.52	7.18	9.30	9.83
	Cooling pressure drop	kPa	8	9	18	21	41	21	32	34
		Ft.WG	2.62	2.95	5.90	6.89	13.45	6.89	10.50	11.15
	Heating pressure drop	kPa	10	12	21	27	44	25	35	44
		Ft.WG	3.28	3.94	6.89	8.86	14.43	8.20	11.48	14.43
Sound pressure level	dB(A)	40	42	44	46	47	50	48	52	
Dimension (W × D × H)	Outline	mm	881×510×245	1011×510×245	1131×510×245	1211×510×245	900×610×275	1150×610×275	1030×610×275	1230×610×275
	Package	mm	903×625×278	1033×625×278	1153×625×278	1233×625×278	1390×625×278	1943×625×278	1783×625×278	1943×625×278
Net weight/Gross weight	kg	19/22.5	22.5/27	25/29.5	27/31.5	30.5/35	47/53	43.5/48.5	47/53	
Connection pipe diameter	Water inlet & outlet(inner thread)	Inch	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	
	Condensed water drain(outer thread)	Inch	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	R ₂ 3/4	
Loading quantity	40'GP/40'HQ	Set	321/428	270/360	252/336	271/317	198/264	144/192	156/208	144/192
Optional	Wired remote controller	-	WK-010PV / WK-010PW / WK-011PM / WK-010PM							

Notes:

1. The data are tested under these testing conditions as below:(Not applicable for Eurovent certificated products, parameters of Eurovent certificated concealed ceiling FCU will be available upon request)

Item	Nominal test condition (temperature)				
	Inlet Air		Water°C		
	DB(°C)	WB(°C)	Inlet(°C)	Outlet(°C)	
2 Pipes	Cooling	27	19.5	7	12
	Heating	21	15	60	Based on the water flow volume at the rated cooling capacity
4 Pipes	Cooling	27	19.5	7	12
	Heating	21	15	65	55

2. The airflow volume is tested under the ESP in the table.

3. Sound pressure level is tested according to GB/T 19232-2019.

4. Package dimension is the external dimension of carton box according to actual stacking direction(may differ from that of products installation).

5. Products are with various certifications according to different market requirements, please contact the sale representative for detail.



CASSETTE TYPE

- ◆ Thanks to optimized airflow passage design that greatly improve the fan efficiency and lower the operation noise.
- ◆ Four directions airflow makes an even temperature distribution.
- ◆ Evaporator moisture auto cleaning after power off to avoid mildew.
- ◆ Forced high speed fan operation under emergency condition.
- ◆ Comfortable and Soft Sense of Air Supply
 - > The metallic electric box and motor with sealed holes are used for high fire-proof performance and safer operation.
- ◆ Smooth Condensate Drainage
 - > The drain pump with 1200mm lift can successfully drain condensate in most applications.
- ◆ Smart Control
 - > The unit with built-in display board equipped with the standard controller can display the ON/OFF timer, fan speed, operation mode (cooling, dehumidifying, fan and cooling) and temperature set points etc.
- ◆ Specially-designed electric box structure: for cassette type ^{FCU} with AC motor, the motor is separated with the capacitor, which can facilitate after-sales replacement and main



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Item	Operation Ambient Temperature Range(°C)	Water Supply Temperature Range(°C)
Cooling	16~40	≥ 5
Heating	10~35	≤ 65

2 pipes, 50Hz

Model		FP-51XD/A-K	FP-68XD/A-K	FP-85XD/B-T(E)	FP-102XD/B-T(E)	FP-125XD/B-T(E)
Air flow volume(H/M/L)	m³/h	510/400/300	660/560/460	800/665/590	940/770/670	1090/860/760
	CFM	300/235/176	388/330/270	471/385/347	470/453/394	641/506/447
Capacity	Cooling/Heating	kW	2.75/3.4	3.4/3.8	4.5/5.4	5/6.1
Power system	Power supply	V/Ph/Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz
	Input	kW	0.073	0.078	0.081	0.110
Water system	Cooling water flow volume	L/s	0.13	0.18	0.22	0.24
		GPM	2.1	2.8	3.5	3.8
	Heating water flow volume	L/s	0.16	0.2	0.27	0.29
		GPM	2.5	3.1	4.3	4.6
	Cooling pressure drop	kPa	30	38	27	34
		Ft.WG	9.8	12.5	8.9	11.2
	Heating pressure drop	kPa	30	38	37	46
		Ft.WG	9.8	12.5	12.1	15.1
Sound pressure level		dB(A)	46	46	39	49
Connection pipe diameter	Water inlet & outlet (inner thread)	Inch	Rc3/4	Rc3/4	Rc3/4	Rc3/4
	Condensed water drain (outer thread)	mm	31	31	31	31
Body	Dimension (W × D × H)	mm	592 × 592 × 240	592 × 592 × 240	840 × 840 × 190	840 × 840 × 190
	Outline	mm	775 × 730 × 285	775 × 730 × 285	963 × 963 × 272	963 × 963 × 325
	Package	mm	775 × 730 × 285	775 × 730 × 285	963 × 963 × 272	963 × 963 × 325
Panel	Net weight/Gross weight	kg	20/24	20/24	25/33	25/33
	Dimension (W × D × H)	mm	670 × 670 × 85	670 × 670 × 85	950 × 950 × 85	950 × 950 × 85
	Outline	mm	760 × 760 × 90	760 × 760 × 90	1033 × 1038 × 133	1033 × 1038 × 133
Loading quantity	Net weight/Gross weight	kg	3.5/5	3.5/5	7/11	7/11
	40'GP/40'HQ	Set	258/291	258/291	131/147	131/147
	Wireless remote controller	-	YB1FA(MOTO)	YB1FA(MOTO)	YB1FA(MOTO)	YB1FA(MOTO)
Standard	Optional	-	XE70-17/E(M)	XE70-17/E(M)	XE70-17/E(M)	XE70-17/E(M)
	Wired remote controller	-	XE70-17/E(M)	XE70-17/E(M)	XE70-17/E(M)	XE70-17/E(M)

Model		FP-140XD/B-T(E)	FP-160XD/B-T(E)	FP-180XD/B-T(E)	FP-200XD/D-K(E)
Air flow volume(H/M/L)	m³/h	1400/1160/1000	1500/1200/1000	1640/1360/1200	1700/1430/1150
	CFM	823/682/588	882/706/588	964/800/706	1000/841/676
Capacity	Cooling/Heating	kW	7.4/8.4	8.4/9	9.5/10.5
Power system	Power supply	V/Ph/Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz
	Input	kW	0.143	0.152	0.160
Water system	Cooling water flow volume	L/s	0.35	0.4	0.45
		GPM	5.5	6.3	7.1
	Heating water flow volume	L/s	0.4	0.43	0.49
		GPM	6.3	6.8	7.8
	Cooling pressure drop	kPa	30	30	33
		Ft.WG	9.8	9.8	10.8
	Heating pressure drop	kPa	38	36	41
		Ft.WG	12.4	11.8	13.5
Sound pressure level		dB(A)	50	51	50
Connection pipe diameter	Water inlet & outlet (inner thread)	Inch	Rc3/4	Rc3/4	Rc3/4
	Condensed water drain (outer thread)	mm	31	31	31
Body	Dimension (W × D × H)	mm	840 × 840 × 240	840 × 840 × 240	840 × 840 × 320
	Outline	mm	963 × 963 × 325	963 × 963 × 325	963 × 963 × 409
	Package	mm	963 × 963 × 325	963 × 963 × 325	963 × 963 × 409
Panel	Net weight/Gross weight	kg	27/35	27/35	32/41
	Dimension (W × D × H)	mm	950 × 950 × 85	950 × 950 × 85	950 × 950 × 85
	Outline	mm	1033 × 1038 × 133	1033 × 1038 × 133	1033 × 1038 × 133
Loading quantity	Net weight/Gross weight	kg	7/11	7/11	7/11
	40'GP/40'HQ	Set	121/134	121/134	117/133
	Wireless remote controller	-	YB1FA(MOTO)	YB1FA(MOTO)	YB1FA(MOTO)
Standard	Optional	-	XE70-17/E(M)	XE70-17/E(M)	XE70-17/E(M)
	Wired remote controller	-	XE70-17/E(M)	XE70-17/E(M)	XE70-17/E(M)



Model		FP-85XD/B-T	FP-102XD/B-T	FP-125XD/B-T	FP-140XD/B-T
Air flow volume(H/M/L)	m³/h	800/650/550	1020/950/900	1180/1000/900	1400/1250/1150
	CFM	471/382/324	600/599/529	694/588/529	824/735/676
Capacity	Cooling/Heating	kW	4.5/5.6	5/6.5	6/7.8
	Power supply		V/Ph/Hz	220-240V~ 50Hz	220-240V~ 50Hz
Power system	Input	kW	0.075	0.11	0.082
	Cooling water flow volume		L/s	0.21	0.24
Water system	GPM		3.3	3.8	4.6
	Heating water flow volume		L/s	0.13	0.17
Water system	GPM		2.1	2.7	2.9
	Cooling pressure drop		kPa	24	36
Water system	Ft.WG		7.872	11.808	7.872
	Heating pressure drop		kPa	8	13
Water system	Ft.WG		2.6	4.3	3
	Sound pressure level		dB(A)	39	49
Connection pipe diameter	Water inlet & outlet (inner thread)	Inch	Rc3/4	Rc3/4	Rc3/4
	Condensed water drain (outer thread)	mm	31	31	31
Body	Dimension (W × D × H)	Outline	mm	840 × 840 × 190	840 × 840 × 190
		Package	mm	963 × 963 × 272	963 × 963 × 272
Panel	Net weight/Gross weight		kg	25/33	25/33
	Dimension (W × D × H)	Outline	mm	950 × 950 × 85	950 × 950 × 85
Panel		Package	mm	1033 × 1038 × 133	1033 × 1038 × 133
Panel	Net weight/Gross weight		kg	7/11	7/11
Loading quantity	40'GP/40'HQ	Set	131/147	131/147	121/134
Standard	Wireless remote controller	-	YB1FA(MOTO)	YB1FA(MOTO)	YB1FA(MOTO)
Optional	Wired remote controller	-	XE70-17/E(M)	XE70-17/E(M)	XE70-17/E(M)

Model		FP-160XD/B-T	FP-180XD/B-T	FP-200XD/B-T	FP-238XD/C-K
Air flow volume(H/M/L)	m³/h	1550/1400/1300	1800/1450/1350	2000/1700/1450	2200/1900/1300
	CFM	912/824/765	1059/853/794	1176/1000/853	1295/1118/765
Capacity	Cooling/Heating	kW	8.7/10	9.5/11	13/14.6
Power system	Power supply	V/Ph/Hz	220-240V~ 50Hz	220-240V~ 50Hz	220-240V~ 50Hz
	Input	kW	0.152	0.16	0.21
Water system	Cooling water flow volume		L/s	0.42	0.45
	GPM		6.7	7.1	9.8
Water system	Heating water flow volume		L/s	0.23	0.27
	GPM		3.7	4.3	4
Water system	Cooling pressure drop		kPa	30	34
	Ft.WG		9.84	11.152	11.152
Water system	Heating pressure drop		kPa	11	12
	Ft.WG		3.6	3.9	9.8
Sound pressure level		dB(A)	51	50	55
Connection pipe diameter	Water inlet & outlet (inner thread)	Inch	Rc3/4	Rc3/4	Rc3/4
	Condensed water drain (outer thread)	mm	31	31	31
Body	Dimension (W × D × H)	Outline	mm	840 × 840 × 240	840 × 840 × 320
		Package	mm	963 × 963 × 325	963 × 963 × 409
Panel	Net weight/Gross weight		kg	27/35	32/41
	Dimension (W × D × H)	Outline	mm	950 × 950 × 85	950 × 950 × 85
Panel		Package	mm	1033 × 1038 × 133	1033 × 1038 × 133
Panel	Net weight/Gross weight		kg	7/11	7/11
Loading quantity	40'GP/40'HQ	Set	121/134	117/133	117/133
Standard	Wireless remote controller	-	YB1FA(MOTO)	YB1FA(MOTO)	YB1FA(MOTO)
Optional	Wired remote controller	-	XE70-17/E(M)	XE70-17/E(M)	XE70-17/E(M)

4 pipes, 50Hz

Model		FP-68XDT/B-K(E)	FP-85XDT/B-K(E)	FP-125XDT/B-K(E)	FP-180XDT/B-K(E)
Air flow volume(H/M/L)	m³/h	680/618/571	850/764/697	1250/1108/1014	1700/1525/1421
	CFM	400/364/336	500/450/410	736/652/597	1000/897/836
Power system	Cooling/Heating	kW	3.5/5.8	4.5/6.8	6/9.2
	Power supply		V/Ph/Hz	220-240V~50Hz	220-240V~50Hz
Power system	Input	kW	0.082	0.09	0.135
	Cooling water flow volume		L/s	0.21	0.24
Water system	GPM		3.3	3.8	4.6
	Heating water flow volume		L/s	0.17	0.19
Water system	GPM		2.7	3	4.3
	Cooling pressure drop		kPa	44	53
Water system	Ft.WG		14.4	17.4	13.4
	Heating pressure drop		kPa	76	83
Water system	Ft.WG		24.9	27.2	27.5
	Sound pressure level		dB(A)	39	40
Connection pipe diameter	Water inlet & outlet (inner thread)	Inch	Rc3/4	Rc3/4	Rc3/4
	Condensed water drain (outer thread)	mm	31	31	31
Body	Dimension (W × D × H)	Outline	mm	840 × 840 × 190	840 × 840 × 240
		Package	mm	963 × 963 × 272	963 × 963 × 325
Panel	Net weight/Gross weight		kg	25/33	25/33
	Dimension (W × D × H)	Outline	mm	950 × 950 × 85	950 × 950 × 85
		Package	mm	1033 × 1038 × 133	1033 × 1038 × 133
Panel	Net weight/Gross weight		kg	7/11	7/11
Loading quantity	40'GP/40'HQ	Set	131/147	131/147	121/134
Standard	Wireless remote controller	-	YB1FA(MOTO)	YB1FA(MOTO)	YB1FA(MOTO)
Optional	Wired remote controller	-	XE70-17/E(M)	XE70-17/E(M)	XE70-17/E(M)

Model		FP-51XDT/B-K	FP-68XDT/B-K	FP-85XDT/B-K	FP-102XDT/B-K
Air flow volume(H/M/L)	m³/h	510/450/380	680/618/571	850/764/697	1020/900/800
	CFM	300/265/224	400/364/336	500/450/410	600/530/471
Power system	Cooling/Heating	kW	2.6/3.4	3.5/5.8	4.1/6.4
	Power supply		V/Ph/Hz	220-240V~50Hz	220-240V~50Hz
Power system	Input	kW	0.082	0.082	0.082
	Cooling water flow volume		L/s	0.15	0.21
Water system	GPM		2.4	3.3	3.8
	Heating water flow volume		L/s	0.13	0.17
Water system	GPM		2.1	2.7	3
	Cooling pressure drop		kPa	32	34
Water system					

Model		FP-125XDT/B-K	FP-140XDT/B-K	FP-180XDT/B-K	FP-200XDT/B-K
Air flow volume(H/M/L)	m³/h	1250/1108/1014	1400/1250/1100	1800/1525/1421	2000/1700/1500
	CFM	736/652/597	824/736/647	1059/897/836	1177/1000/883
Capacity	Cooling/Heating	kW	6/9	6.4/9.5	8/11.5
Power system	Power supply	V/Ph/Hz	220-240V~ 50Hz	220-240V~ 50Hz	220-240V~ 50Hz
	Input	kW	0.135	0.140	0.191
Water system	Cooling water flow volume	L/s	0.29	0.3	0.44
		GPM	4.6	4.8	7
	Heating water flow volume	L/s	0.22	0.23	0.27
		GPM	3.5	3.7	4.3
	Cooling pressure drop	kPa	43	48	40
		Ft.WG	14.1	15.7	13.1
	Heating pressure drop	kPa	92	105	102
		Ft.WG	30.2	34.4	33.5
	Sound pressure level	dB(A)	43	85	50
	Sound pressure level	dB(A)	43	85	50
Connection pipe diameter	Water inlet & outlet (inner thread)	Inch	Rc3/4	Rc3/4	Rc3/4
	Condensed water drain (outer thread)	mm	31	31	31
Body	Dimension (W × D × H)	Outline	mm	840 × 840 × 240	840 × 840 × 240
		Package	mm	963 × 963 × 325	963 × 963 × 325
	Net weight/Gross weight	kg	27/34	27/34	32/41
	Net weight/Gross weight	kg	950 × 950 × 85	950 × 950 × 85	950 × 950 × 85
Panel	Dimension (W × D × H)	Outline	mm	1033 × 1038 × 133	1033 × 1038 × 133
		Package	mm	1033 × 1038 × 133	1033 × 1038 × 133
	Net weight/Gross weight	kg	7/11	7/11	7/11
	Net weight/Gross weight	kg	7/11	7/11	7/11
Loading quantity	40'GP/40'HQ	Set	121/134	121/134	98/112
Standard	Wireless remote controller	-	YB1FA(MOTO)	YB1FA(MOTO)	YB1FA(MOTO)
Optional	Wired remote controller	-	XE70-17/E(M)	XE70-17/E(M)	XE70-17/E(M)

2 pipes, 60Hz

Model		FP-85XD/B-T	FP-102XD/B-T	FP-125XD/B-T	FP-140XD/B-T
Air flow volume(H/M/L)	m³/h	780/630/550	1020/950/900	1130/900/750	1350/1100/1000
	CFM	459/371/324	600/599/529	665/529/441	794/647/588
Capacity	Cooling/Heating	kW	4.6/7.8	5.4/9	6.3/10
Power system	Power supply	V/Ph/Hz	208-230V~ 60Hz	208-230V~ 60Hz	208-230V~ 60Hz
	Input	kW	0.07	0.13	0.13
Water system	Cooling water flow volume	L/s	0.22	0.26	0.3
		GPM	3.5	4.1	4.8
	Heating water flow volume	L/s	0.22	0.26	0.3
		GPM	3.5	4.1	4.8
	Cooling pressure drop	kPa	27	48	27
		Ft.WG	8.9	15.7	8.9
	Heating pressure drop	kPa	27	48	27
		Ft.WG	8.9	15.7	8.9
	Sound pressure level	dB(A)	39	49	43
	Sound pressure level	dB(A)	39	49	48
Connection pipe diameter	Water inlet & outlet (inner thread)	Inch	Rc3/4	Rc3/4	Rc3/4
	Condensed water drain (outer thread)	mm	31	31	31
Body	Dimension (W × D × H)	Outline	mm	840 × 840 × 190	840 × 840 × 190
		Package	mm	963 × 963 × 272	963 × 963 × 272
	Net weight/Gross weight	kg	25/33	25/33	27/34
	Net weight/Gross weight	kg	25/33	25/33	27/35
Panel	Dimension (W × D × H)	Outline	mm	950 × 950 × 85	950 × 950 × 85
		Package	mm	1033 × 1038 × 133	1033 × 1038 × 133
	Net weight/Gross weight	kg	7/11	7/11	7/11
	Net weight/Gross weight	kg	7/11	7/11	7/11
Loading quantity	40'GP/40'HQ	Set	131/147	131/147	121/134
Standard	Wireless remote controller	-	YB1FA(MOTO)	YB1FA(MOTO)	YB1FA(MOTO)
Optional	Wired remote controller	-	XE70-17/E(M)	XE70-17/E(M)	XE70-17/E(M)

Model		FP-160XD/B-T	FP-180XD/B-T	FP-200XD/B-T
Air flow volume(H/M/L)	m³/h	1550/1300/1150	1800/1400/1300	2000/1550/1250
	CFM	912/765/676	1059/824/765	1176/912/738
Capacity	Cooling/Heating	kW	9/14	10/16
Power system	Power supply	V/Ph/Hz	208-230V~ 60Hz	208-230V~ 60Hz
	Input	kW	0.14	0.16
Water system	Cooling water flow volume	L/s	0.43	0.48
		GPM	6.8	7.6
	Heating water flow volume	L/s	0.43	0.48
		GPM	6.8	7.6
	Cooling pressure drop	kPa	34	42
		Ft.WG	11.2	13.8
	Heating pressure drop	kPa	34	42
		Ft.WG	11.2	13.8
	Sound pressure level	dB(A)	51	50
	Sound pressure level	dB(A)	51	55
Connection pipe diameter	Water inlet & outlet (inner thread)	Inch	Rc3/4	Rc3/4
	Condensed water drain (outer thread)	mm	31	31
Body	Dimension (W × D × H)	Outline	mm	840 × 840 × 240
		Package	mm	963 × 963 × 325
	Net weight/Gross weight	kg	27/35	32/41
	Net weight/Gross weight	kg	27/35	33/42
Panel	Dimension (W × D × H)	Outline	mm	950 × 950 × 85
		Package	mm	1033 × 1038 × 133
	Net weight/Gross weight	kg	7/11	7/11
	Net weight/Gross weight	kg	7/11	7/11
Loading quantity	40'GP/40'HQ	Set	121/134	117/133
Standard	Wireless remote controller	-	YB1FA(MOTO)	YB1FA(MOTO)
Optional	Wired remote controller	-	XE70-17/E(M)	XE70-17/E(M)

Notes :

1. The data are tested under these testing conditions as below:

Item	Nominal test condition (temperature)			
	Inlet Air		Water	
	DB(°C)	WB(°C)	Inlet(°C)	Outlet(°C)
2 Pipes 50Hz	Cooling	27	19	7
	Heating	20	≤ 15	45
2 Pipes 60Hz	Cooling	27	19.5	7
	Heating	21	-	60
4 Pipes	Based on the water flow volume at the rated cooling capacity			
	Cooling	27	19	7
	Heating	20	≤ 15	65
				55

2. Sound pressure level is tested according to GB/T 19232-2019.

3. Not all the certification of products for different markets are showed above, please contact us if related information is needed.

FLOOR CEILING TYPE

- ◆ Anti-corrosion Plastic Fan
 - > Light weight, providing bigger air volume under the drive of the same motor;
 - > Good consistency between vane and volute casing, achieving quiet effect;
 - > Airflow passage and vane angle are optimized by CFD software, offering higher efficiency. The volute casing is divided into upper part and lower part, convenient for maintenance.
- ◆ The fan will operate only if the chilled water inlet temperature is lower than the setting value to avoid warm air under cooling condition.
- ◆ Specially-designed electric box structure: for the floor ceiling type with AC motor, the motor is separated with the capacitor, which can facilitate after-sales replacement and maintenance.



Item	Operation Ambient Temperature Range(°C)	Water Supply Temperature Range(°C)
Cooling	16~40	≥ 5
Heating	10~35	≤ 65

50Hz

Model(B Series)		FP-34ZD/B-K ³	FP-51ZD/B-K ³	FP-68ZD/B-K ³	FP-85ZD/B-K ³	FP-102ZD/B-K ³
Air flow volume(H/M/L)	m ³ /h	420/350/250	510/400/300	680/550/400	850/650/500	1020/800/600
	CFM	247/205/147	300/235/176	400/323/235	500/382/294	600/470/353
Capacity	Cooling/Heating	kW	2/2.5	2.6/3.2	3.5/4	4.2/4.6
Power system	Power supply	V/Ph/Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz
	Input	kW	0.04	0.045	0.06	0.07
Water system	Cooling water flow volume	L/s	0.1	0.12	0.17	0.2
	GPM	1.5	2	2.6	3.2	4
Water system	Heating water flow volume	L/s	0.12	0.15	0.19	0.22
	GPM	1.9	2.4	3	3.5	4.5
Water system	Cooling pressure drop	kPa	16	16	25	30
	Ft.WG	5.9	5.9	8.2	6.6	9.8
Water system	Heating pressure drop	kPa	20	20	30	40
	Ft.WG	6.6	6.6	9.8	9.8	13.1
Sound pressure level		dB(A)	34	34	41	41
Connection pipe	Water inlet & outlet(inner thread)	Inch	Rc3/4	Rc3/4	Rc3/4	Rc3/4
	Condensed water drain(outer thread)	mm	17	17	17	17
Dimension (W × D × H)	Outline	mm	870 × 235 × 665	870 × 235 × 665	870 × 235 × 665	1200 × 235 × 665
	Package	mm	970 × 285 × 767	970 × 285 × 767	970 × 285 × 767	1300 × 285 × 767
Net weight/Gross weight		kg	24/29	24/29	24/29	32/38
Loading quantity	40'GP/40'HQ	Set	288/324	288/324	288/324	189/216
Standard	Wireless remote controller	-	YAP1F	YAP1F	YAP1F	YAP1F
Optional	Wired remote controller	-	XE7A-17/E(M)	XE7A-17/E(M)	XE7A-17/E(M)	XE7A-17/E(M)

Model(B Series)		FP-119ZD/B-K ³	FP-136ZD/B-K ³	FP-170ZD/B-K ³	FP-204ZD/B-K ³
Air flow volume(H/M/L)	m ³ /h	1200/950/700	1360/1100/800	1800/1400/1000	2040/1700/1200
	CFM	706/559/412	800/647/471	1059/824/589	1201/1000/706
Capacity	Cooling/Heating	kW	5.9/6.6	6.6/7.5	9/11
Power system	Power supply	V/Ph/Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz
	Input	kW	0.11	0.14	0.145
Water system	Cooling water flow volume	L/s	0.28	0.31	0.43
	GPM	4.5	5	6.8	7.56
Water system	Heating water flow volume	L/s	0.31	0.36	0.52
	GPM	5	5.67	8.3	9.45
Water system	Cooling pressure drop	kPa	30	30	30
	Ft.WG	9.8	9.8	9.8	9.8
Water system	Heating pressure drop	kPa	96	96	144
	Ft.WG	31.5	31.5	47.2	34.8
Sound pressure level		dB(A)	45	43	47
Connection pipe	Water inlet & outlet(inner thread)	Inch	Rc3/4	Rc3/4	Rc3/4
	Condensed water drain(outer thread)	mm	17	17	17
Dimension (W × D × H)	Outline	mm	1200 × 235 × 665	1570×235×665	1570×235×665
	Package	mm	1300×285×767	1666×285×767	1666×285×767
Net weight/Gross weight		kg	32/38	41/43	43/46
Loading quantity	40'GP/40'HQ	Set	189/216	147/168	147/168
Standard	Wireless remote controller	-	YAP1F	YAP1F	YAP1F
Optional	Wired remote controller	-	XE7A-17/E(M)	XE7A-17/E(M)	XE7A-17/E(M)

Model		FP-34ZD-K(E)	FP-51ZD-K(E)	FP-68ZD-K(E)	FP-85ZD-K(E)
Air flow volume(H/M/L)	m³/h	400/300/210	510/400/310	680/550/450	690/570/485
	CFM	235/176/124	300/235/182	400/324/265	406/335/285
Capacity	Cooling/Heating	kW	1.9/2.4	2.8/3.4	3.5/4.1
Power system	Power supply	V/Ph/Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz
	Input	kW	0.046	0.065	0.076
Water system	Cooling water flow volume	L/s	0.09	0.13	0.17
		GPM	1.4	2.1	2.7
	Heating water flow volume	L/s	0.17	0.16	0.19
		GPM	2.7	2.5	3
	Cooling pressure drop	kPa	22	26	48
		Ft.WG	7.2	8.5	15.7
	Heating pressure drop	kPa	22	26	48
		Ft.WG	7.2	8.5	15.7
	Sound pressure level	dB(A)	37	38	45
	Connnection pipe	Inch	Rc3/4	Rc3/4	Rc3/4
Dimension (W×D×H)	Condensed water drain(outer thread)	mm	17	17	17
	Outline	mm	840×695×238	840×695×238	840×695×238
	Package	mm	960×830×330	960×830×330	960×830×330
Net weight/Gross weight		kg	26/33	26/33	27/34
Loading quantity	40'GP/40'HQ	Set	224/267	224/267	224/267
Standard	Wireless remote controller	-	YB1FA(MOTO)	YB1FA(MOTO)	YB1FA(MOTO)
Optional	Wired remote controller	-	XE70-17/E(M)	XE70-17/E(M)	XE70-17/E(M)



Model		FP-102ZD-K(E)	FP-136ZD-K(E)	FP-170ZD-K(E)	FP-204ZD-K(E)
Air flow volume(H/M/L)	m³/h	910/756/600	1030/854/700	1800/1260/850	1940/1500/1050
	CFM	535/445/353	606/502/412	1059/741/500	1141/882/618
Capacity	Cooling/Heating	kW	5.2/6	6.35/6.7	8.9/10.8
Power system	Power supply	V/Ph/Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz
	Input	kW	0.095	0.096	0.152
Water system	Cooling water flow volume	L/s	0.25	0.3	0.43
		GPM	4	4.8	6.8
	Heating water flow volume	L/s	0.3	0.32	0.48
		GPM	4.8	5.1	7.6
	Cooling pressure drop	kPa	80	99	115
		Ft.WG	26.2	32.3	37.7
	Heating pressure drop	kPa	80	99	115
		Ft.WG	26.2	32.5	37.7
	Sound pressure level	dB(A)	49	48	50
	Connnection pipe	Inch	Rc3/4	Rc3/4	Rc3/4
Dimension (W×D×H)	Condensed water drain(outer thread)	mm	17	17	17
	Outline	mm	1300×600×188	1300×600×188	1590×695×238
	Package	mm	1414×724×248	1414×724×248	1714×830×330
Net weight/Gross weight		kg	31.5/36.5	31.5/36.5	48.5/57
Loading quantity	40'GP/40'HQ	Set	220/244	220/244	111/117
Standard	Wireless remote controller	-	YB1FA(MOTO)	YB1FA(MOTO)	YB1FA(MOTO)
Optional	Wired remote controller	-	XE70-17/E(M)	XE70-17/E(M)	XE70-17/E(M)

60Hz

Model		FP-34WM-D	FP-51WM-D	FP-68WM-D	FP-85WM-D	FP-102WM-D	FP-136WM-D
Air flow volume(H/M/L)	m³/h	400/292/250	510/395/264	680/495/330	820/615/410	1020/765/510	1190/892/595
	CFM	235/172/147	300/232/155	400/291/194	483/362/241	600/450/300	700/525/350
Capacity	Cooling/Heating	kW	2/3.51	2.8/4.85	4/6.5	5.17/8.1	5.68/9.2
Power system	Power supply	V/Ph/Hz	208-230V~ 60Hz				
	Input	kW	0.047	0.049	0.069	0.081	0.099
Water system	Cooling water flow volume	L/s	0.1	0.13	0.19	0.25	0.27
		GPM	1.6	2.1	3	4	4.3
	Heating water flow volume	L/s	0.1	0.13	0.19	0.25	0.27
		GPM	1.6	2.1	3	4	4.3
	Cooling pressure drop	kPa	10	12	18	30	50
		Ft.WG	3.3	3.9	5.9	9.8	16.4
	Heating pressure drop	kPa	10	12	18	30	50
		Ft.WG	3.3	3.9	5.9	9.8	16.4
	Sound pressure level	dB(A)	41	41	46	49	51
	Connnection pipe	Inch	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4
Dimension (W×D×H)	Condensed water drain(outer thread)	mm	17	17	17	17	17
	Outline	mm	840×695×238	840×695×238	840×695×238	1300×600×188	1300×600×188
Net weight/Gross weight	kg	26/33	26/33	27/34	27/34	31.5/36.5	32.5/37.5
	Loading quantity	Set	224/267	224/267	224/267	220/244	220/244
Standard	Wireless remote controller	-	YB1FA(MOTO)	YB1FA(MOTO)	YB1FA(MOTO)	YB1FA(MOTO)	YB1FA(MOTO)
Optional	Wired remote controller	-	XE70-17/E(M)	XE70-17/E(M)	XE70-17/E(M)	XE70-17/E(M)	XE70-17/E(M)



Notes:

1. The data are tested under these testing conditions as below:

Item	Nominal test condition (temperature)			
	Inlet Air		Water	
	DB(°C)	WB(°C)	Inlet(°C)	Outlet(°C)
2 PiPes 50Hz	Cooling	27	19	7
	Heating	20	≤ 15	45
2 PiPes 60Hz	Cooling	27	19.5	7
	Heating	21	-	60

Based on the water flow volume at the rated cooling capacity

2. Sound pressure level is tested according to GB/T 19232-2019.

3. The models in the table is under development, and relevant parameters may change without prior notice.

4. Not all the certification of products for different markets are showed above, please contact us if related information is needed.



VERTICAL EXPOSED TYPE

- Low noise thanks to plastic impeller.
- Easy installation and convenient maintenance.
- With well-tailored acoustic and thermal insulation liner for quiet operation and better performance.
- With compact structure, the installation of the unit is flexible
- Unique electric box sub-assy structure design: motor and capacitor are separated, external capacitor for easy maintenance and replacement; the capacitor is plug-in type for easy removal and maintenance.



Inner thread copper



Washable filter



Quiet function



Multi fan speed



Compact design

Item	Operation Ambient Temperature Range(°C)	Water Supply Temperature Range(°C)
Cooling	16~40	≥ 5
Heating	10~35	≤ 65

Model		FP-22LM/D-K	FP-34LM/D-K	FP-51LM/D-K	FP-68LM/D-K	FP-85LM/D-K
Air flow volume(H/M/L)	m³/h CFM	300/250/200 177/147/118	400/350/300 235/206/177	580/500/420 341/294/247	680/530/380 400/312/224	760/600/400 447/353/235
Capacity	Cooling/Heating	kW V/Ph/Hz	1.4/2 220-240V~50Hz	1.9/2.3 220-240V~50Hz	2.8/3.4 220-240V~50Hz	3.2/3.8 220-240V~50Hz
Power system	Power supply		220-240V~50Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz
Water system	Input	kW	0.035	0.046	0.056	0.066
	Cooling water flow volume	L/s GPM	0.07 1.1	0.09 1.4	0.14 2.2	0.16 2.5
	Heating water flow volume	L/s GPM	0.09 1.4	0.11 1.7	0.17 2.7	0.19 3
	Cooling pressure drop	kPa Ft.WG	10 3.3	15 4.9	18 5.9	21 6.9
	Heating pressure drop	kPa Ft.WG	20 6.6	22 7.2	27 8.9	30 9.8
	Sound pressure level	dB(A)	36	38	39	42
Connction pipe	Water inlet & outlet(inner thread)	Inch	Rc3/4	Rc3/4	Rc3/4	Rc3/4
	Condensed water drain(outer thread)	mm	22	22	22	22
Dimension (W×D×H)	Outline	mm	895×680×230	895×680×230	1050×680×230	1050×680×230
	Package	mm	1120×690×285	1120×690×285	1275×690×285	1275×690×285
Net weight/Gross weight	kg	23/30	23/30	27/34	27/34	28/35
Loading quantity	40'GP/40'HQ	Set	238/272	238/272	189/216	189/216
Thermostat	-	Unit-mounted	Unit-mounted	Unit-mounted	Unit-mounted	Unit-mounted

Model		FP-102LM/D-K	FP-119LM/D-K	FP-136LM/D-K	FP-170LM/D-K	FP-204LM/D-K
Air flow volume(H/M/L)	m³/h CFM	1000/740/510 589/435/300	1100/860/610 647/506/359	1100/870/620 647/512/364	1700/1275/850 1000/750/500	1900/1425/950 1118/839/559
Capacity	Cooling/Heating	kW V/Ph/Hz	5/5.9 220-240V~50Hz	5.3/6.45 220-240V~50Hz	5.9/6.8 220-240V~50Hz	9.2/10.7 220-240V~50Hz
Power system	Power supply		220-240V~50Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz
Water system	Input	kW	0.11	0.124	0.128	0.155
	Cooling water flow volume	L/s GPM	0.25 4	0.26 4.1	0.28 4.4	0.44 7
	Heating water flow volume	L/s GPM	0.28 4.4	0.3 4.8	0.32 5.1	0.51 8.1
	Cooling pressure drop	kPa Ft.WG	18 5.9	20 6.6	25 8.2	45 14.7
	Heating pressure drop	kPa Ft.WG	25 8.2	27 8.9	30 9.8	55 18
	Sound pressure level	dB(A)	48	50	50	49
Connction pipe	Water inlet & outlet(inner thread)	Inch	Rc3/4	Rc3/4	Rc3/4	Rc3/4
	Condensed water drain(outer thread)	mm	22	22	22	22
Dimension (W×D×H)	Outline	mm	1350×680×230	1350×680×230	1350×680×230	1773×680×230
	Package	mm	1625×690×285	1625×690×285	1625×690×285	2100×690×285
Net weight/Gross weight	kg	33/41	33/41	33/41	47/57.5	47.5/58
Loading quantity	40'GP/40'HQ	Set	147/168	147/168	147/168	119/136
Thermostat	-	Unit-mounted	Unit-mounted	Unit-mounted	Unit-mounted	Unit-mounted

Notes:

1. The data are tested under these testing conditions as below:

Item	Nominal test condition (temperature)				
	Inlet Air		Water		
	DB(°C)	WB(°C)	Inlet(°C)	Outlet(°C)	
2 PiPes 50Hz	Cooling	27	19	7	12
	Heating	20	≤ 15	45	40

2. Sound pressure level is tested according to GB/T 19232-2019.



WALL MOUNTED TYPE

- Thanks to optimized airflow passage design that greatly improve the fan efficiency and lower the operation noise.
- The unit is with air vent for more reliable operation.
- Specially-designed electric box structure: for the wall mounted type with AC motor, the motor is separated with the capacitor, which can facilitate after-sales replacement and maintenance.



Panel A3 Panel B3 Panel B4 Panel B6



Item	Operation Ambient Temperature Range(°C)	Water Supply Temperature Range(°C)
Cooling	16~40	≥ 5
Heating	10~35	≤ 65

50Hz

Model		FP-34BA3/B-K	FP-51BA3/B-K	FP-68BA3/B-K	FP-85BA3/B-K
Air flow volume(H/M/L)	m³/h	360/322/282	510/413/367	680/591/532	830/708/616
	CFM	212/189/166	300/243/216	400/347/312	489/417/363
Capacity	Cooling/Heating	kW	1.85/2.45	2.65/3.05	3.5/3.85
Power system	Power supply	V/Ph/Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz
	Input	kW	0.03	0.03	0.04
Water system	Cooling water flow volume	L/s	0.09	0.13	0.17
		GPM	1.4	2.1	2.7
	Heating water flow volume	L/s	0.12	0.15	0.18
		GPM	1.9	2.4	2.9
	Cooling pressure drop	kPa	13	25	40
		Ft.WG	4.3	8.2	13.1
	Heating pressure drop	kPa	16	27	44
		Ft.WG	5.2	8.9	14.4
Sound pressure level		dB(A)	30	40	43
Connetion pipe	Water inlet & outlet(inner thread)	Inch	1/2	1/2	1/2
	Condensed water drain(outer thread)	mm	15.6	15.6	15.6
Dimension (W × D × H)	Outline	mm	845 × 180 × 275	845 × 180 × 275	940 × 200 × 298
	Package	mm	915 × 255 × 355	915 × 255 × 355	1010 × 285 × 380
Net weight/Gross weight		kg	8.8/11.8	8.8/11.8	10.8/14.8
Loading quantity	40'GP/40'HQ	Set	765/850	765/850	595/671
Controller		-	Field supply		

Model		FP-34BB3/A-K(E)	FP-51BB3/A-K(E)	FP-68BB3/A-K(E)	FP-85BB3/A-K(E)
Air flow volume(H/M/L)	m³/h	360/322/282	550/413/367	680/591/532	850/708/616
	CFM	212/189/166	324/242/215	400/347/312	500/416/362
Capacity	Cooling/Heating	kW	1.8/2.3	2.4/2.6	3.5/3.7
	Power supply	V/Ph/Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz
	Input	kW	0.036	0.042	0.051
Power system	Cooling water flow volume	L/s	0.09	0.11	0.17
		GPM	1.4	1.7	2.7
	Heating water flow volume	L/s	0.11	0.12	0.18
		GPM	1.7	1.9	2.9
	Cooling pressure drop	kPa	18	25	52
		Ft.WG	5.9	8.2	17.1
Water system	Heating pressure drop	kPa	20	25	52
		Ft.WG	6.6	8.2	17.1
	Sound pressure level		dB(A)	35	40
	Water inlet & outlet(inner thread)	Inch	1/2	1/2	1/2
	Condensed water drain(outer thread)	mm	15.6	15.6	15.6
	Outline	mm	845 × 180 × 275	845 × 180 × 275	940 × 200 × 298
Dimension (W × D × H)	Package	mm	915 × 255 × 355	915 × 255 × 355	1010 × 285 × 380
	Net weight/Gross weight	kg	10/12.5	10/12.5	12/16
Loading quantity	40'GP/40'HQ	Set	765/850	765/850	595/671
Standard	Wireless remote controller	-	YB1FA(MOTO)	YB1FA(MOTO)	YB1FA(MOTO)
Optional	Wired remote controller	-	XE70-17/E(M)	XE70-17/E(M)	XE70-17/E(M)

Model(Lomo--DC)		FPD-34BB4/A-K	FPD-51BB4/A-K	FPD-68BB4/A-K	FPD-85BB4/A-K
Air flow volume(H/M/L)	m³/h	340/255/170	510/382/255	680/510/340	850/637/425
	CFM	200/150/100	300/225/150	400/300/200	500/375/250
Capacity	Cooling/Heating	kW	2.2/2.4	2.7/2.9	3.6/3.9
	Power supply	V/Ph/Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz
	Input	kW	0.012	0.018	0.029
Power system	Cooling water flow volume	L/s	0.1	0.14	0.18
		GPM	1.6	2.2	2.9
	Heating water flow volume	L/s	0.11	0.14	0.19
		GPM	1.7	2.2	3
	Cooling pressure drop	kPa	20	30	43
		Ft.WG	6.6	9.8	14.1
Water system	Heating pressure drop	kPa	24	35	55
		Ft.WG	7.9	11.5	18
	Sound pressure level		dB(A)	31	37
	Water inlet & outlet(inner thread)	Inch	1/2	1/2	1/2
	Condensed water drain(outer thread)	mm	15.6	15.6	15.6
	Outline	mm	845 × 209 × 289	845 × 209 × 289	845 × 209 × 289
Dimension (W × D × H)	Package	mm	973 × 278 × 364	973 × 278 × 364	973 × 278 × 364
	Net weight/Gross weight	kg	10.5/12.5	10.5/12.5	10.5/12.5
Loading quantity	40'GP/40'HQ	Set	604/682	604/682	604/682
Standard	Wireless remote controller	-	YAP1F	YAP1F	YAP1F
Optional	Wired remote controller	-	XE7A-17/E(M)	XE7A-17/E(M)	XE7A-17/E(M)

Model(Lomo--DC)			FPD-34BB6/A-K	FPD-51BB6/A-K	FPD-68BB6/A-K	FPD-85BB6/A-K
Air flow volume(H/M/L)	m³/h	340/255/170	510/382/255	680/510/340	850/637/425	
	CFM	200/150/100	300/225/150	400/300/200	500/375/250	
Capacity	Cooling/Heating	kW	2.2/2.4	2.7/2.9	3.6/3.9	4.3/4.7
Power system	Power supply	V/Ph/Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz
	Input	kW	0.012	0.018	0.029	0.043
Water system	Cooling water flow volume	L/s	0.1	0.14	0.18	0.21
		GPM	1.6	2.2	2.9	3.3
	Heating water flow volume	L/s	0.11	0.14	0.19	0.22
		GPM	1.7	2.2	3	3.5
	Cooling pressure drop	kPa	20	30	43	52
		Ft.WG	6.6	9.8	14.1	17.1
	Heating pressure drop	kPa	24	35	55	65
		Ft.WG	7.9	11.5	18	21.3
Sound pressure level		dB(A)	31	37	43	48
Connnection pipe	Water inlet & outlet(inner thread)	Inch	1/2	1/2	1/2	1/2
	Condensed water drain(outer thread)	mm	15.6	15.6	15.6	15.6
Dimension (W×D×H)	Outline	mm	845×209×289	845×209×289	845×209×289	970×300×224
	Package	mm	973×278×364	973×278×364	973×278×364	1093×380×305
Net weight/Gross weight		kg	10.5/12.5	10.5/12.5	10.5/12.5	12.5/15.5
Loading quantity	40'GP/40'HQ	Set	604/682	604/682	604/682	461/525
Standard	Wireless remote controller	-	YAP1F	YAP1F	YAP1F	YAP1F
Optional	Wired remote controller	-	XE7A-17/E(M)	XE7A-17/E(M)	XE7A-17/E(M)	XE7A-17/E(M)

Model			FP-34BA3/D-K	FP-51BA3/D-K	FP-68BA3/D-K	FP-85BA3/D-K
Air flow volume(H/M/L)	m³/h	360/322/282	550/413/367	680/591/532	850/708/616	
	CFM	212/189/166	324/242/215	400/347/312	500/416/362	
Capacity	Cooling/Heating	kW	2/2.7	2.5/3.2	3.6/4.6	4.2/5.4
Power system	Power supply	V/Ph/Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz
	Input	kW	0.05	0.05	0.06	0.066
Water system	Cooling Water flow volume	L/s	0.1	0.12	0.17	0.2
		GPM	1.6	1.9	2.7	3.2
	Heating water flow volume	L/s	0.13	0.15	0.22	0.26
		GPM	2.1	2.4	3.5	4.1
	Cooling pressure drop	kPa	18	25	52	60
		Ft.WG	5.9	8.2	17.1	19.7
	Heating pressure drop	kPa	20	25	52	60
		Ft.WG	6.6	8.2	17.1	19.7
Sound pressure level		dB(A)	35	40	43	48
Connnection pipe	Water inlet & outlet(inner thread)	Inch	1/2	1/2	1/2	1/2
	Condensed water drain(outer thread)	mm	15.6	15.6	15.6	15.6
Dimension (W×D×H)	Outline	mm	845×180×275	845×180×275	940×200×298	940×200×298
	Package	mm	915×255×355	915×255×355	1010×285×380	1010×285×380
Net weight/Gross weight		kg	10/12.5	10/12.5	12/16	12/16
Loading quantity	40'GP/40'HQ	Set	765/850	765/850	595/671	595/671
Standard	Wireless remote controller	-	YB1FA(MOTO)	YB1FA(MOTO)	YB1FA(MOTO)	YB1FA(MOTO)
Optional	Wired remote controller	-	XE70-17/E(M)	XE70-17/E(M)	XE70-17/E(M)	XE70-17/E(M)

60Hz

Model			FP-34BA3/B-D	FP-51BA3/B-D	FP-68BA3/B-D	FP-85BA3/B-D	FP-102BA3/B-D
Air flow volume(H/M/L)	m³/h	360/322/282	550/413/367	680/591/532	850/708/616	1000/840/720	
	CFM	212/189/166	324/242/215	400/347/312	500/416/362	588/493/423	
Capacity	Cooling/Heating	kW	2.1/3.15	2.7/4.05	3.6/5.4	4.2/6.3	5.4/8.5
Power system	Power supply	V/Ph/Hz	208-230V~ 60Hz				
	Input	kW	0.05	0.05	0.06	0.06	0.07
Water system	Cooling water flow volume	L/s	0.1	0.13	0.17	0.2	0.26
		GPM	1.6	2.1	2.7	3.2	4.1
	Heating water flow volume	L/s	0.15	0.19	0.26	0.3	0.4
		GPM	2.4	3	4.1	4.8	6.3
	Cooling pressure drop	kPa	13	24	44	45	63
		Ft.WG	4.3	7.8	14.4	14.8	20.7
	Heating pressure drop	kPa	15	25	45	48	65
		Ft.WG	4.9	8.2	14.8	15.7	21.3
Sound pressure level		dB(A)	35	40	43	48	49
Connnection pipe	Water inlet & outlet(inner thread)	Inch	1/2	1/2	1/2	1/2	1/2
	Condensed water drain(outer thread)	mm	15.6	15.6	15.6	15.6	15.6
Dimension (W×D×H)	Outline	mm	845×180×275	845×180×275	940×200×298	940×200×298	940×200×298
	Package	mm	915×255×355	915×255×355	1010×285×380	1010×285×380	1010×285×380
Net weight/Gross weight		kg	10/12.5	10/12.5	12/15	12/15	12/15
Loading quantity	40'GP/40'HQ	Set	765/850	765/850	595/671	595/671	595/671
Standard	Wireless remote controller	-	YB1FA(MOTO)	YB1FA(MOTO)	YB1FA(MOTO)	YB1FA(MOTO)	YB1FA(MOTO)
Optional	Wired remote controller	-	XE70-17/E(M)	XE70-17/E(M)	XE70-17/E(M)	XE70-17/E(M)	XE70-17/E(M)

Model			FP-34BA2/B-D	FP-51BA2/B-D	FP-68BA2/B-D	FP-85BA2/B-D	FP-102BA2/B-D
Air flow volume(H/M/L)	m³/h	360/322/282	550/413/367	680/591/532	850/708/616	1000/840/720	
	CFM	212/189/166	324/242/215	400/347/312	500/416/362	588/493/423	
Capacity	Cooling/Heating	kW	2.1/3.15	2.7/4.05	3.6/5.4	4.2/6.3	5.4/8.5
Power system	Power supply	V/Ph/Hz	208-230V~ 60Hz				
	Input	kW	0.05	0.05	0.06	0.06	0.07
Water system	Cooling water flow volume	L/s	0.10	0.13	0.17	0.20	0.26
		GPM	1.6	2.1	2.7	3.2	4.1
	Heating water flow volume	L/s	0.15	0.19	0.26	0.30	0.40
		GPM	2.4	3	4.1	4.8	6.3
	Cooling pressure drop	kPa	13	24	4		

Notes:

1. The data are tested under these testing conditions as below:

Item		Nominal test condition (temperature)					
		Inlet Air		Water			
50Hz	Cooling	27	19	Inlet(°C)	Outlet(°C)		
	Heating	20	≤ 15	45		40	
60Hz	Cooling	27	19.5	7	12		
	Heating	21	-	60	Based on the water flow volume at the rated cooling capacity		

2. Sound pressure level is tested according to GB/T 19232-2019.

3. Not all the certification of products for different markets are showed above, please contact us if related information is needed.

CONTROLLER

series Control system	Product	Concealed ceiling type(2 Pipes)	Concealed ceiling type(4 Pipes)	Cassette type	Floor ceiling type	Floor ceiling type (B Series)	Wall mounted type	Wall mounted type (Lomo-DC)
Wireless remote controller	YB1FA(MOTO)				●	●		●
	YAP1F						●	●
Wired remote controller	XE7A-17/E(M)						○	○
	XE70-17/E(M) (with BMS interface)				○	○	○	○
Digital thermostat	WK-011PM			○				
	WK-011PN			○				
	WK-010PM			○				
	WK-010PN			○				
	WK-010PV			○				
	WK-010PW			○				
	WK-010PR			○				
	WK-010PS			○				

Note:

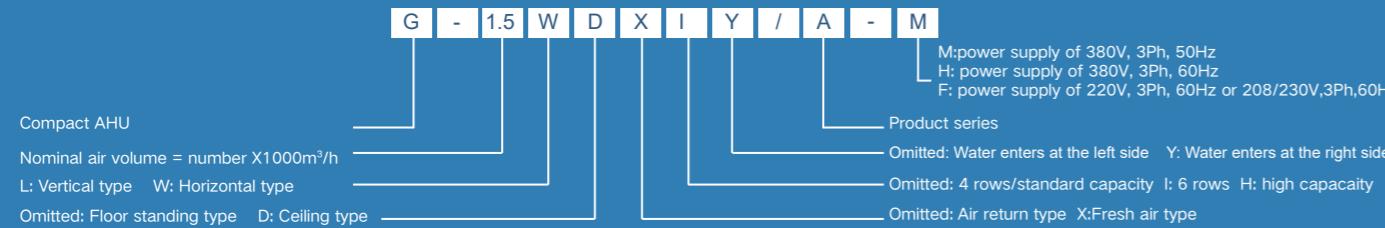
● means standard, ○ means optional

COMPACT AIR HANDLING UNIT

Gree compact air handling unit provides you an energy efficient large capacity multi-functional terminal device of superior performance, better reliability with lower installation cost.

The product was designed with features of configuration flexibility, integrated control options, and proven performance to bring you the optimal system with function of filtering, humidifying, and cooling/heating) for your building.

Nomenclature



CEILING-MOUNTED TYPE

Features

- ◆ A large drain pan is designed under the heat exchanger, motor and fan to guarantee all drainage water will be efficiently collected.
- ◆ Detachable panel and adjustable motor base for easy maintenance.
- ◆ Wide range external static pressure selectable.
- ◆ Qualified and low noise fan motor.



A Series



E Series



G Series

Nominal test condition (temperature)					
Item		DB(°C)	WB(°C)	Inlet(°C)	Outlet(°C)
Return air type	Cooling	27	19.5	7	12
	Heating	21	-	60	-
Fresh air type	Cooling	35	28	7	12
	Heating	7	-	60	-

A Series

- ◆ Integral frame structure casing with double skin panels made of galvanized steel sheet.
- ◆ 4-row and 6-row coil optional.
- ◆ Airflow range: 1500~12000m³/h.
- ◆ Designed excellently against air leakage and surface water condensation.

Parameters (50/60HZ)

Return air

Model	G-1.5WD(I)(Y)/A-M/H/F	G-2WD(I)(Y)/A-M/H/F	G-2.5WD(I)(Y)/A-M/H/F	G-3WD(I)(Y)/A-M/H/F	G-4WD(I)(Y)/A-M/H/F	G-5WD(I)(Y)/A-M/H/F
Air flow volume	m ³ /h	1500a	2000	2500	3000	4000
ESP range (4/6 rows)	Pa	50~350/50~350	50~600/50~600	50~600/50~600	50~400/50~350	50~450/50~450
Cooling capacity (4/6 rows)	kW	9.8/11.96	12.5/14.26	15.6/19.2	18.7/22.13	24.9/30.18
Heating capacity (4/6 rows)	kW	15.8/17.12	21.4/22.62	27.3/25.8	33.5/33	43.2/44.2
Water flow volume (4/6 rows)	L/s	0.43/0.57	0.53/0.65	0.66/0.88	0.79/1.03	1.1/1.44
Pressure drop (4/6 rows)	kPa	6.5/5.25	9.2/7.85	16.3/15.4	26.2/19.92	20.1/24.6
Water inlet pipe diameter	mm	25	25	25	25	32
Water outlet pipe diameter	mm	25	25	25	25	32
Condensed water drain pipe diameter	mm	25	25	25	25	25
Sound pressure level	dB(A)	≤ 58	≤ 58	≤ 58	≤ 58	≤ 60
Outline dimension(W × D × H)	cm	103 × 100 × 57	103 × 100 × 57	123 × 100 × 57	103 × 100 × 67	123 × 100 × 77
Package dimension(W × D × H)	cm	133 × 130 × 87	133 × 130 × 87	153 × 130 × 87	133 × 130 × 97	173 × 130 × 107

Model		G-6WD(I)(Y)/A-M/H/F	G-7WD(I)(Y)/A-M/H/F	G-8WD(I)(Y)/A-M/H/F	G-9WD(I)(Y)/A-M/H/F	G-10WD(I)(Y)/A-M/H/F	G-12WD(I)(Y)/A-M/H/F
Air flow volume	m ³ /h	6000	7000	8000	9000	10000	12000
ESP range (4/6 rows)	Pa	50~500/50~450	50~350/50~350	50~400/50~400	50~600/50~600	50~600/50~600	50~600/50~600
Cooling capacity (4/6 rows)	kW	37.4/44.1	43.6/50.8	49.8/62.5	56/67.8	62.4/80.8	74.8/95.9
Heating capacity (4/6 rows)	kW	66.8/63.5	78.8/72.5	90.8/88.7	96.3/99.8	115.8/110.5	135.6/137.6
Water flow volume (4/6 rows)	L/s	1.6/2.1	1.83/2.43	2.1/2.85	2.4/3.1	2.6/3.88	3.2/4.65
Pressure drop (4/6 rows)	kPa	38.9/34.1	49.7/17.3	53.5/20.8	34/14.3	48.9/16.5	37.3/25.6
Water inlet pipe diameter	mm	40	40	40	50	50	50
Water outlet pipe diameter	mm	40	40	40	50	50	50
Condensed water drain pipe diameter	mm	25	25	25	25	25	25
Sound pressure level	dB(A)	≤ 62	≤ 64	≤ 64	≤ 66	≤ 66	≤ 68
Outline dimension(W×D×H)	cm	143×100×77	163×100×77	183×100×77	203×100×77	213×100×77	253×100×77
Package dimension(W×D×H)	cm	173×130×107	193×130×107	213×130×107	233×130×107	243×130×107	283×130×107

Fresh air

Model		G-1.5WDX(I)(Y)/A-M/H/F	G-2WDX(I)(Y)/A-M/H/F	G-2.5WDX(I)(Y)/A-M/H/F	G-3WDX(I)(Y)/A-M/H/F	G-4WDX(I)(Y)/A-M/H/F	G-5WDX(I)(Y)/A-M/H/F
Air flow volume	m ³ /h	1500	2000	2500	3000	4000	5000
ESP range (4/6 rows)	Pa	50~350/50~350	50~600/50~600	50~600/50~600	50~400/50~350	50~450/50~450	50~600/50~600
Cooling capacity (4/6 rows)	kW	20.6/25.8	27.5/33.5	33/41.6	40.7/50.2	55.3/66.6	66.3/82.4
Heating capacity (4/6 rows)	kW	22.8/24.8	28.6/32.1	35.8/41.3	42.5/49.8	55.9/64.3	68.9/81.1
Water flow volume (4/6 rows)	L/s	0.99/1.25	1.28/1.6	1.57/2.1	1.9/2.4	2.63/3.2	3.17/4
Pressure drop (4/6 rows)	kPa	30.3/30.4	40.5/22.3	25.4/35.6	46.6/42.5	30.8/50.8	56.9/35.6
Water inlet pipe diameter	mm	25	25	25	25	32	32
Water outlet pipe diameter	mm	25	25	25	25	32	32
Condensed water drain pipe diameter	mm	25	25	25	25	25	25
Sound pressure level	dB(A)	≤ 58	≤ 58	≤ 58	≤ 58	≤ 60	≤ 62
Outline dimension(W×D×H)	cm	103×100×57	103×100×57	123×100×57	103×100×67	123×100×77	143×100×77
Package dimension(W×D×H)	cm	133×130×87	133×130×87	153×130×87	133×130×97	153×130×107	173×130×107

Model		G-6WDX(I)(Y)/A-M/H/F	G-7WDX(I)(Y)/A-M/H/F	G-8WDX(I)(Y)/A-M/H/F	G-9WDX(I)(Y)/A-M/H/F	G-10WDX(I)(Y)/A-M/H/F	G-12WDX(I)(Y)/A-M/H/F
Air flow volume	m ³ /h	6000	7000	8000	9000	10000	12000
ESP range (4/6 rows)	Pa	50~500/50~450	50~350/50~350	50~400/50~400	50~600/50~600	50~600/50~600	50~600/50~600
Cooling capacity (4/6 rows)	kW	79.6/98.8	92.9/112.3	106.3/129.7	119.5/148.9	134.9/165.2	159.3/198.8
Heating capacity (4/6 rows)	kW	80.7/96.5	89.5/113.6	108.8/124.1	121.4/142.6	138.6/164.5	160.9/197.1
Water flow volume (4/6 rows)	L/s	3.8/4.7	4.43/5.4	5.1/6.1	5.7/7.3	6.4/8.4	7.6/9.5
Pressure drop (4/6 rows)	kPa	45.8/29.4	50.5/31.5	55.1/40.4	45.2/42.5	47.4/46.8	50.8/48.7
Water inlet pipe diameter	mm	40	40	40	50	50	50
Water outlet pipe diameter	mm	40	40	40	50	50	50
Condensed water drain pipe diameter	mm	25	25	25	25	25	25
Sound pressure level	dB(A)	≤ 62	≤ 64	≤ 64	≤ 66	≤ 66	≤ 68
Outline dimension(W×D×H)	cm	143×100×77	163×100×77	183×100×77	203×100×77	213×100×77	253×100×77
Package dimension(W×D×H)	cm	173×130×107	193×130×107	213×130×107	233×130×107	243×130×107	283×130×107

E Series

- ◆ Rigid galvanized steel casing with durable and anti-corrosion performance.
- ◆ 4-row and 6-row coil optional.
- ◆ Airflow range: 1,500~12,000m³/h.

Return air

Model		G-1.5WD(I)(Y)/E-M/H/F	G-2WD(I)(Y)/E-M/H/F	G-2.5WD(I)(Y)/E-M/H/F	G-3WD(I)(Y)/E-M/H/F	G-4WD(I)(Y)/E-M/H/F	G-5WD(I)(Y)/E-M/H/F
Air flow volume	m ³ /h	1500	2000	2500	3000	4000	5000
ESP range (4/6 rows)	Pa	40~285/50~280	40~285/55~295	90~255/95~270	75~420/90~345	60~461/120~461	95~581/135~534
Cooling capacity (4/6 rows)	kW	9.8/11.96	12.5/14.26	15.6/19.2	18.7/22.13	24.9/30.18	31/35.4
Heating capacity (4/6 rows)	kW	15.8/17.12	21.4/22.62	27.3/25.8	33.5/33	43.2/44.2	56.1/53.1
Water flow volume (4/6 rows)	L/s	0.43/0.57	0.53/0.65	0.66/0.88	0.79/1.03	1.1/1.44	1.3/1.71
Pressure drop (4/6 rows)	kPa	6.5/5.25	9.2/7.85	16.3/15.4	26.2/19.92	20.1/24.6	35.3/34
Water inlet pipe diameter	mm	25	25	25	25	32	32
Water outlet pipe diameter	mm	25	25	25	25	32	32
Condensed water drain pipe diameter	mm	25	25	25	25	25	25
Sound pressure level	dB(A)	≤ 58	≤ 58	≤ 58	≤ 58	≤ 60	≤ 62
Outline dimension(W×D×H)	cm	107×105×47.8	107×105×47.8	127×105×49.8	107×105×63	127×105×65.1	145×105×65.1
Package dimension(W×D×H)	cm	127×113×53.5	127×113×53.5	147×113×53.5	127×113×69	147×113×71	165×113×71

Model		G-6WD(I)(Y)/E-M/H/F	G-7WD(I)(Y)/E-M/H/F	G-8WD(I)(Y)/E-M/H/F	G-9WD(I)(Y)/E-M/H/F
Air flow volume	m ³ /h	6000	7000	8000	9000
ESP range (4/6 rows)	Pa	75~523/135~475	75~360/120~400	90~370/140~370	95~684/95~644
Cooling capacity (4/6 rows)	kW	37.4/44.1	43.6/50.8	49.8/62.5	56/67.8
Heating capacity (4/6 rows)	kW	66.8/63.5	78.8/72.5	90.8/88.7	96.3/99.8
Water flow volume (4/6 rows)	L/s	1.6/2.1	1.83/2.43	2.1/2.85	2.4/3.1
Pressure drop (4/6 rows)	kPa	38.9/34.1	49.7/17.3	53.5/20.8	34/14.3
Water inlet pipe diameter	mm	40	40	40	50
Water outlet pipe diameter	mm	40	40	40	50
Condensed water drain pipe diameter	mm	25	25	25	25
Sound pressure level	dB(A)	≤ 62	≤ 64	≤ 64	≤ 66
Outline dimension(W × D × H)	cm	150 × 105 × 73.4	167 × 105 × 73.4	187 × 105 × 73.4	205 × 105 × 69
Package dimension(W × D × H)	cm	170 × 113 × 81.2	187 × 113 × 81.2	207 × 113 × 81.2	225 × 113 × 78.9

Fresh air

Model		G-10WD(I)(Y)/E-M/H/F	G-12WD(I)(Y)/E-M/H/F	G-1.5WDX-(I)(Y)/E-M/H/F	G-2WDX-(I)(Y)/E-M/H/F	G-2.5WDX-(I)(Y)/E-M/H/F	G-3WDX-(I)(Y)/E-M/H/F	G-4WDX-(I)(Y)/E-M/H/F	G-5WDX-(I)(Y)/E-M/H/F
Air flow volume	m ³ /h	10000	12000	1500	2000	2500	3000	4000	5000
ESP range (4/6 rows)	Pa	130~694/ 130~631	125~667/ 125~667	40~285/ 50~280	40~285/ 55~295	90~255/ 95~270	75~420/ 90~345	60~461/ 120~461	95~581/ 135~534
Cooling capacity (4/6 rows)	kW	62.4/80.8	74.8/95.9	20.6/25.8	27.5/33.5	33/41.6	40.7/50.2	55.3/66.6	66.3/82.4
Heating capacity (4/6 rows)	kW	115.8/110.5	135.6/137.6	22.8/24.8	28.6/32.1	35.8/41.3	42.5/49.8	55.9/64.3	68.9/81.1
Water flow volume (4/6 rows)	L/s	2.6/3.88	3.2/4.65	0.99/1.25	1.28/1.6	1.57/2.1	1.9/2.4	2.63/3.2	3.17/4
Pressure drop (4/6 rows)	kPa	48.9/16.5	37.3/25.6	30.3/30.4	40.5/22.3	25.4/35.6	46.6/42.5	30.8/50.8	56.9/35.6
Water inlet pipe diameter	mm	50	50	25	25	25	25	32	32
Water outlet pipe diameter	mm	50	50	25	25	25	25	32	32
Condensed water drain pipe diameter	mm	25	25	25	25	25	25	25	25
Sound pressure level	dB(A)	≤ 66	≤ 68	≤ 58	≤ 58	≤ 58	≤ 60	≤ 62	≤ 62
Outline dimension(W × D × H)	cm	222 × 105 × 70.4	257 × 105 × 70.4	107 × 105 × 47.8	107 × 105 × 47.8	127 × 105 × 49.8	107 × 105 × 63	127 × 105 × 65.1	145 × 105 × 65.1
Package dimension(W × D × H)	cm	242 × 113 × 78.9	277 × 113 × 78.9	127 × 113 × 53.5	127 × 113 × 53.5	147 × 113 × 53.5	127 × 113 × 69	147 × 113 × 71	165 × 113 × 71

Model	G-6WDX(I)(Y)/E-M/H/F	G-7WDX(I)(Y)/E-M/H/F	G-8WDX(I)(Y)/E-M/H/F	G-9WDX(I)(Y)/E-M/H/F	G-10WDX(I)(Y)/E-M/H/F	G-12WDX(I)(Y)/E-M/H/F
Air flow volume	m ³ /h	6000	7000	8000	9000	10000
ESP range (4/6 rows)	Pa	75~523/135~475	75~360/120~400	90~370/140~370	95~684/95~644	130~694/130~631
Cooling capacity (4/6 rows)	kW	79.6/98.8	92.9/112.3	106.3/129.7	119.5/148.9	119.5/165.2
Heating capacity (4/6 rows)	kW	80.7/96.5	89.5/113.6	108.8/124.1	121.4/142.6	121.4/164.5
Water flow volume (4/6 rows)	L/s	3.8/4.7	4.43/5.4	5.1/6.1	5.7/7.3	6.4/8.4
Pressure drop (4/6 rows)	kPa	45.8/29.4	50.5/31.5	55.1/40.4	45.2/42.5	47.4/46.8
Water inlet pipe diameter	mm	40	40	40	50	50
Water outlet pipe diameter	mm	40	40	40	50	50
Condensed water drain pipe diameter	mm	25	25	25	25	25
Sound pressure level	dB(A)	≤ 62	≤ 64	≤ 64	≤ 66	≤ 66
Outline dimension(W × D × H)	cm	150 × 105 × 73.4	167 × 105 × 73.4	187 × 105 × 73.4	205 × 105 × 69	222 × 105 × 70.4
Package dimension(W × D × H)	cm	170 × 113 × 81.2	187 × 113 × 81.2	207 × 113 × 81.2	225 × 113 × 78.9	242 × 113 × 78.9

G Series

- Rigid galvanized steel casing with 15mm thick PE insulation.
- Standard and high cooling capacity optional.
- Airflow range: 1,500~15,000m³/h.
- Compact structure.

Parameter(50/60HZ)**Return air**

Model		G-1.5WD(H)(Y)/G-M/H/F	G-2WD(H)(Y)/G-M/H/F	G-2.5WD(H)(Y)/G-M/H/F	G-3WD(H)(Y)/G-M/H/F	G-4WD(H)(Y)/G-M/H/F
Air flow volume	m ³ /h	1500	2000	2500	3000	4000
ESP range (Std/Hi Cap.)	Pa	10-265/10-213	16-294/10-242	10-288/10-225	10-430/10-365	10-550/17-516
Cooling capacity (Std/Hi Cap.)	kW	10.6/11.9	11.8/14.5	15.9/19.3	18.9/22.8	25.1/30.3
Heating capacity (Std/Hi Cap.)	kW	16/18.4	20.3/23.1	26.8/26.5	33.6/33.2	42.8/42.0
Water flow volume (Std/Hi Cap.)	L/s	0.51/0.57	0.63/0.73	0.8/0.92	0.95/1.09	1.19/1.45
Pressure drop (Std/Hi Cap.)	kPa	61/40	77/59	78/68	98/80.2	40/83.3
Water inlet pipe diameter (Std/Hi Cap.)	mm	25/25	25/25	25/25	25/25	25/32
Water outlet pipe diameter (Std/Hi Cap.)	mm	25/25	25/25	25/25	25/25	25/32
Condensed water drain pipe diameter	mm	25	25	25	25	25
Sound pressure level	dB(A)	≤ 58	≤ 58	≤ 58	≤ 58	≤ 60
Outline dimension(W × D × H)	cm	107 × 84.8 × 46.8	107 × 84.8 × 46.8	107 × 84 × 50	107 × 83.7 × 55	127 × 95.8 × 61
Package dimension(W × D × H)	cm	127 × 97 × 60.6	127 × 97 × 60.6	127 × 97 × 63.8	127 × 97 × 68.8	147 × 109 × 74.3

Model		G-5WD(H)(Y)/G-M/H/F	G-6WD(H)(Y)/G-M/H/F	G-7WD(H)(Y)/G-M/H/F	G-8WD(H)(Y)/G-M/H/F	G-9WD(H)(Y)/G-M/H/F
Air flow volume	m ³ /h	5000	6000	7000	8000	9000
ESP range (Std/Hi Cap.)	Pa	60-729/111-640	10-441/56-396	10-291/29-275	10-284/10-219	10-493/10-398
Cooling Capacity (Std/Hi Cap.)	kW	32/36.5	38.5/44.3	44.5/51.4	50.3/61.0	56.5/68.5
Heating Capacity (Std/Hi Cap.)	kW	53.4/53.9	64.8/64.3	68/73.1	78.2/81.4	92.49/101.1
Water flow volume (Std/Hi Cap.)	L/s	1.53/1.77	1.87/2.41	2.32/2.48	2.59/2.97	2.98/3.3
Pressure drop (4/6 rows)	kPa	78/100.5	66/72	91.49/74	94/77.6	100.5/100.7
Water inlet pipe diameter (Std/Hi Cap.)	mm	32/32	32/32	40/40	40/40	40/40
Water outlet pipe diameter (Std/Hi Cap.)	mm	32/32	32/32	40/40	40/40	40/40
Condensed water drain pipe diameter	mm	25	25	25	25	25
Sound pressure level	dB(A)	≤ 62	≤ 62	≤ 64	≤ 64	

Model		G-10WD(H)(Y)/G-M/H/F	G-12WD(H)(Y)/G-M/H/F	G-15WD(H)(Y)/G-M/H/F	G-1.5wdx(H)(Y)/G-M/H/F	G-2wdx(H)(Y)/G-M/H/F
Air flow volume	m³/h	10000	12000	15000	1500	2000
ESP range (Std/Hi Cap.)	Pa	50-611/34-535	23-562/10-534	10-490/10-400	10-265/10-213	16-294/10-242
Cooling capacity (Std/Hi Cap.)	kW	63.1/81.5	75.3/96.5	86.1/109	21.1/26.3	27.7/33.5
Heating capacity (Std/Hi Cap.)	kW	99/112	121.8/138.6	145/156	23.5/26.5	29.2/33.1
Water flow volume (Std/Hi Cap.)	L/s	3.4/3.9	4.13/4.58	4.54/5.7	1.13/1.28	1.41/1.6
Pressure drop (Std/Hi Cap.)	kPa	88.06/106.5	116.91/127	50/121.1	54/59	77/88
Water inlet pipe diameter (Std/Hi Cap.)	mm	40/40	50/50	50/50	25/25	25/25
Water outlet pipe diameter (Std/Hi Cap.)	mm	40/40	50/50	50/50	25/25	25/25
Condensed water drain pipe diameter	mm	25	25	32	25	25
Sound pressure level	dB(A)	≤ 66	≤ 68	≤ 70	≤ 58	≤ 58
Outline dimension(W × D × H)	cm	214 × 95.8 × 76.3	254.5 × 95.8 × 76.3	254.5 × 105 × 87.2	107 × 84.8 × 46.8	107 × 84.8 × 46.8
Package Dimension(W × D × H)	cm	234 × 109 × 89.6	274.5 × 109 × 94.6	274.5 × 117.8 × 105.5	127 × 97 × 60.6	127 × 97 × 60.6

Fresh air

Model		G-2.5wdx(H)(Y)/G-M/H/F	G-3wdx(H)(Y)/G-M/H/F	G-4wdx(H)(Y)/G-M/H/F	G-5wdx(H)(Y)/G-M/H/F	G-6wdx(H)(Y)/G-M/H/F
Air flow volume	m³/h	2500	3000	4000	5000	6000
ESP range (Std/Hi Cap.)	Pa	10-288/10-225	10-430/10-365	10-550/17-516	60-729/111-640	10-441/56-396
Cooling capacity (Std/Hi Cap.)	kW	33.5/42.1	41.1/50.3	56.5/67.1	66.5/82.5	80.3/99.7
Heating Capacity (Std/Hi Cap.)	kW	36.1/41.9	43.2/50.8	56.8/65.8	69.3/81.3	82/97.3
Water flow volume (Std/Hi Cap.)	L/s	1.78/2.02	2.09/2.4	2.77/3.2	3.36/3.94	3.95/4.76
Pressure drop (Std/Hi Cap.)	kPa	82/85.4	84/115	63/74	92/120.9	40/117.6
Water inlet pipe diameter (Std/Hi Cap.)	mm	32/32	32/32	32/32	40/50	40/50
Water outlet pipe diameter (Std/Hi Cap.)	mm	32/32	32/32	32/32	40/50	40/50
Condensed water drain pipe diameter	mm	25	25	25	25	25
Sound pressure level	dB(A)	≤ 58	≤ 58	≤ 60	≤ 62	≤ 62
Outline dimension(W × D × H)	cm	107 × 84 × 50	107 × 83.7 × 55	127 × 95.8 × 61	127 × 95.8 × 66.3	152 × 100.7 × 73.4
Package Dimension(W × D × H)	cm	127 × 97 × 63.8	127 × 97 × 68.8	147 × 109 × 74.3	147 × 109 × 79.6	172 × 114 × 87.2

Model		G-7wdx(H)(Y)/G-M/H/F	G-8wdx(H)(Y)/G-M/H/F	G-9wdx(H)(Y)/G-M/H/F	G-10wdx(H)(Y)/G-M/H/F	G-12wdx(H)(Y)/G-M/H/F	G-15wdx(H)(Y)/G-M/H/F
Air flow volume	m³/h	7000	8000	9000	10000	12000	15000
ESP range (Std/Hi Cap.)	Pa	10-291/29-275	10-284/10-219	10-493/10-398	50-611/34-535	23-562/10-534	10-490/10-400
Cooling Capacity (Std/Hi Cap.)	kW	93.5/112.5	108.3/131.2	120.2/149.5	120.5/166.5	160.3/199.3	185.3/245
Heating Capacity (Std/Hi Cap.)	kW	90.5/115	109.3/127.7	122.4/143.3	122.8/165.9	161.2/198.7	201.3/238.5
Water flow volume (Std/Hi Cap.)	L/s	4.59/5.37	5.51/6.26	6.14/6.99	7.15/7.92	8.78/9.7	9.78/12.08
Pressure drop (Std/Hi Cap.)	kPa	47/103.3	64/95.4	67/100.1	103/76.4	103.5/129.4	101.1/124.7
Water inlet pipe diameter (Std/Hi Cap.)	mm	50/50	50/50	50/65	65/65	65/65	65/80
Water outlet pipe diameter (Std/Hi Cap.)	mm	50/50	50/50	50/65	65/65	65/65	65/80
Condensed water drain pipe diameter	mm	25	25	25	25	25	32
Sound pressure level	dB(A)	≤ 64	≤ 64	≤ 66	≤ 66	≤ 68	≤ 70
Outline dimension(W × D × H)	cm	162 × 104.2 × 75	180.4 × 104.5 × 73.3	182 × 95.8 × 76.2	214 × 95.8 × 76.3	254.5 × 95.8 × 76.3	254.5 × 105 × 87.2
Package dimension(W × D × H)	cm	182 × 117.7 × 88.8	200.4 × 118 × 87.1	202 × 109 × 89.5	234 × 109 × 89.6	274.5 × 109 × 94.6	274.5 × 117.8 × 105.5

FLOOR-MOUNTED TYPE

Units of vertical and horizontal configurations are available for floor mounted type.

Features:

- ◆ Double skin PU insulation panel
- ◆ Extremely tightened seal design adopting aluminum as side frame, PVC seal strips and bolt fastening with an air leakage rate of less than 0.6% under pressure of 700Pa.
- ◆ Adopting patent designed composite profile, with high strength aluminum as major frame structure; the maximum relative deformation of the cabinet is less than 4mm/m under the pressure of 1200Pa.
- ◆ Adopt medium efficiency filter, moisture film and electrostatic dust collection as well as extensible auto control system.
- ◆ AMCA certified fan motor are very efficient and reliable with low-noise.
- ◆ Air volume range: 3,000~50,000m³/h



Vertical



Horizontal

Nominal test condition (temperature)				
Item	Entering air		Water	
	DB(°C)	WB(°C)	Inlet(°C)	Outlet(°C)
Return air type	Cooling	27	19.5	7
	Heating	21	-	60
Fresh air type	Cooling	35	28	7
	Heating	7	-	60

Vertical A Series(50Hz/60Hz)

Return air

Model		G-3L(I)(Y)/A-M/H/F	G-4L(I)(Y)/A-M/H/F	G-5L(I)(Y)/A-M/H/F	G-6L(I)(Y)/A-M/H/F	G-8L(I)(Y)/A-M/H/F	G-10L(I)(Y)/A-M/H/F
Air flow volume	m ³ /h	3000	4000	5000	6000	8000	10000
ESP range (4/6 rows)	Pa	120~720/120~720	120~720/120~670	120~720/120~720	120~670/120~620	120~720/120~720	120~720/120~670
Cooling capacity (4/6 rows)	kW	17.7/21.3	23.6/27.9	29.5/34.7	35.4/43	47.2/59.3	59/71.9
Heating capacity (4/6 rows)	kW	31.5/33.2	43.7/51.1	53.5/63.5	64.9/77.1	85.8/103.8	108.7/126
Water flow volume (4/6 rows)	L/s	0.91/0.94	1.29/1.21	1.54/1.49	1.92/1.85	2.43/2.55	3.2/3.12
Pressure drop (4/6 rows)	kPa	40/19	47.8/20.8	30.6/17.4	54/29.6	23.8/65	49.1/18.5
Water inlet pipe diameter (4/6 rows)	mm	25/25	25/25	32/32	32/32	40/40	40/40
Water outlet pipe diameter (4/6 rows)	mm	25/25	25/25	32/32	32/32	40/40	40/40
Condensed water drain pipe diameter	mm	32	32	32	32	32	32
Sound pressure level	dB(A)	≤ 58	≤ 60	≤ 62	≤ 62	≤ 64	≤ 66
Outline dimension(W × D × H)	cm	93 × 61 × 123	113 × 61 × 123	103 × 61 × 153	123 × 71 × 163	133 × 71 × 183	163 × 71 × 173
Package dimension(W × D × H)	cm	123 × 91 × 153	143 × 91 × 153	133 × 91 × 183	153 × 101 × 193	163 × 101 × 213	193 × 101 × 203

Model		G-12L(I)(Y)/A-M/H/F	G-14L(I)(Y)/A-M/H/F	G-16L(I)(Y)/A-M/H/F	G-18L(I)(Y)/A-M/H/F	G-20L(I)(Y)/A-M/H/F	G-22L(I)(Y)/A-M/H/F
Air flow volume	m ³ /h	12000	14000	16000	18000	20000	22000
ESP range (4/6 rows)	Pa	120~720/120~720	120~620/120~570	120~720/120~670	120~720/120~720	120~720/120~720	120~720/120~720
Cooling capacity (4/6 rows)	kW	68.7/88	82.1/105.1	95.6/121.2	107.6/137	120.8/154	132.9/169.4
Heating capacity (4/6 rows)	kW	113.9/135.4	134.3/159.1	154.9/182.6	173.9/205.2	195/229.5	214.3/252.5
Water flow volume (4/6 rows)	L/s	2.99/3.83	3.59/4.57	4.17/5.31	4.71/5.98	5.31/6.71	5.84/7.37
Pressure drop (4/6 rows)	kPa	25.5/20.7	40.2/32.3	59.3/47.3	70.4/53.3	58.5/72.5	50.8/67.2
Water inlet pipe diameter(4/6 rows)	mm	40/50	40/50	50/50	50/65	65/65	50/65
Water outlet pipe diameter(4/6 rows)	mm	40/50	40/50	50/50	50/65	65/65	50/65
Condensed water drain pipe diameter	mm	32	32	32	32	32	32
Sound pressure level	dB(A)	≤ 68	≤ 68	≤ 70	≤ 70	≤ 72	≤ 72
Outline dimension(W × D × H)	cm	163 × 71 × 183	193 × 71 × 183	213 × 81 × 193	213 × 81 × 203	173 × 130 × 173	193 × 130 × 173
Package dimension(W × D × H)	cm	193 × 101 × 213	223 × 101 × 213	243 × 111 × 223	243 × 111 × 233	203 × 160 × 203	223 × 160 × 203

Model		G-25L(I)(Y)/A-M/H/F	G-30L(I)(Y)/A-M/H/F	G-35L(I)(Y)/A-M/H/F	G-40L(I)(Y)/A-M/H/F	G-45L(I)(Y)/A-M/H/F	G-50L(I)(Y)/A-M/H/F
Air flow volume	m ³ /h	25000	30000	35000	40000	45000	50000
ESP range (4/6 rows)	Pa	120~720/120~720	120~570/120~520	120~570/120~520	120~570/120~520	120~720/120~720	120~720/120~720
Cooling capacity (4/6 rows)	kW	144.3/186	174.3/223.8	202.7/259.9	228/297	258.3/332.1	285.8/364.6
Heating capacity (4/6 rows)	kW	238.3/282.6	287.1/339.5	334.3/394.8	375.8/450	422/504.9	466.8/557.6
Water flow volume (4/6 rows)	L/s	6.3/8.09	7.59/9.74	8.85/11.3	9.91/12.87	11.24/14.45	12.44/15.92
Pressure drop (4/6 rows)	kPa	40.1/28.6	42.2/30.3	43/30.8	43.6/31.2	50.8/35.8	54.2/37.9
Water inlet pipe diameter (4/6 rows)	mm	50/65	40/50	50/65	65/80	65/80	65/80
Water outlet pipe diameter (4/6 rows)	mm	50/65	40/50	50/65	65/80	65/80	65/80
Condensed water drain pipe diameter	mm	32	32	32	32	32	32
Sound pressure level	dB(A)	≤ 72	≤ 75	≤ 75	≤ 78	≤ 78	≤ 78
Outline dimension(W × D × H)	cm	213 × 130 × 173	213 × 140 × 213	253 × 140 × 213	263 × 150 × 213	283 × 160 × 223	283 × 160 × 223
Package dimension(W × D × H)	cm	243 × 160 × 203	243 × 170 × 243	283 × 170 × 243	293 × 180 × 243	313 × 190 × 253	313 × 190 × 253

Fresh air

Model	G-3LX(I)(Y)/A-M/H/F	G-4LX(I)(Y)/A-M/H/F	G-5LX(I)(Y)/A-M/H/F	G-6LX(I)(Y)/A-M/H/F	G-8LX(I)(Y)/A-M/H/F	G-10LX(I)(Y)/A-M/H/F
Air flow volume	m ³ /h	3000	4000	5000	6000	8000
ESP range (4/6 rows)	Pa	120~720/120~720	120~720/120~670	120~720/120~720	120~670/120~620	120~720/120~720
Cooling capacity (4/6 rows)	kW	45.2/47.8	53.8/61.6	67.5/75	79.2/92.8	106.3/127.3
Heating capacity (4/6 rows)	kW	46.7/49.3	60.9/64.9	73.1/80.4	89.5/97.3	117.8/131.4
Water flow volume (4/6 rows)	L/s	1.98/2.09	2.45/2.69	3.11/3.26	3.79/4.04	5.12/5.55
Pressure drop (4/6 rows)	kPa	28.2/18	45.2/25.8	35.4/17.2	45.8/29.2	60.8/41.7
Water inlet pipe diameter (4/6 rows)	mm	32/32	40/40	40/40	50/50	65/65
Water outlet pipe diameter (4/6 rows)	mm	32/32	40/40	40/40	50/50	65/65
Condensed water drain pipe diameter	mm	32	32	32	32	32
Sound pressure level	dB(A)	≤ 58	≤ 60	≤ 62	≤ 62	≤ 64
Outline dimension(W × D × H)	cm	93 × 61 × 123	113 × 61 × 123	103 × 61 × 153	123 × 71 × 163	133 × 71 × 183
Package dimension(W × D × H)	cm	123 × 91 × 153	143 × 91 × 153	133 × 91 × 183	153 × 101 × 193	163 × 101 × 213

Model	G-12LX(I)(Y)/A-M/H/F	G-14LX(I)(Y)/A-M/H/F	G-16LX(I)(Y)/A-M/H/F	G-18LX(I)(Y)/A-M/H/F	G-20LX(I)(Y)/A-M/H/F	G-22LX(I)(Y)/A-M/H/F
Air flow volume	m ³ /h	12000	14000	16000	18000	20000
ESP range (4/6 rows)	Pa	120~720/120~720	120~620/120~570	120~720/120~670	120~720/120~720	120~670/120~670
Cooling capacity (4/6 rows)	kW	152.4/198.9	181.3/220	211.2/254.7	236.9/286.5	268.6/314.4
Heating capacity (4/6 rows)	kW	168/201	197.3/230.5	226.9/264.2	254.2/296.8	284.5/328.3
Water flow volume (4/6 rows)	L/s	6.56/8.69	7.83/6.85	9.12/7.94	10.23/8.93	11.58/8.53
Pressure drop (4/6 rows)	kPa	37.5/46.4	58.6/65.6	51.9/55.9	57.5/63.1	

Horizontal A Series(50Hz/60Hz)

Return air

Model	G-3W(I)(Y)/A-M/H/F	G-4W(I)(Y)/A-M/H/F	G-5W(I)(Y)/A-M/H/F	G-6W(I)(Y)/A-M/H/F	G-8W(I)(Y)/A-M/H/F	G-10W(I)(Y)/A-M/H/F
Air flow volume	m³/h	3000	4000	5000	6000	8000
ESP range (4/6 rows)	Pa	120~720/120~720	120~720/120~670	120~720/120~720	120~670/120~620	120~720/120~720
Cooling capacity (4/6 rows)	kW	17.7/21.3	23.6/27.9	29.5/34.7	35.4/43	47.2/59.3
Heating capacity (4/6 rows)	kW	31.5/33.2	43.7/51.1	53.5/63.5	64.9/77.1	85.8/103.8
Water flow volume (4/6 rows)	L/s	0.91/0.94	1.29/1.21	1.54/1.49	1.92/1.85	2.43/2.55
Pressure drop (4/6 rows)	kPa	40/19	47.8/20.8	30.6/17.4	54/29.6	23.8/65
Water inlet pipe diameter (4/6 rows)	mm	25/25	25/25	32/32	32/32	40/40
Water outlet pipe diameter (4/6 rows)	mm	25/25	25/25	32/32	32/32	40/40
Condensed water drain pipe diameter	mm	32	32	32	32	32
Sound pressure level	dB(A)	≤ 58	≤ 60	≤ 62	≤ 62	≤ 64
Outline dimension (W × D × H)	cm	93×90×73	113×100×73	103×100×93	123×110×93	163×110×113
Package dimension (W × D × H)	cm	123×120×103	143×130×103	133×130×123	153×140×133	193×140×133

Model	G-12W(I)(Y)/A-M/H/F	G-14W(I)(Y)/A-M/H/F	G-16W(I)(Y)/A-M/H/F	G-18W(I)(Y)/A-M/H/F	G-20W(I)(Y)/A-M/H/F	G-22W(I)(Y)/A-M/H/F
Air flow volume	m³/h	12000	14000	16000	18000	20000
ESP range (4/6 rows)	Pa	120~720/120~720	120~620/120~570	120~720/120~670	120~720/120~720	120~720/120~720
Cooling capacity (4/6 rows)	kW	68.7/88	82.1/105.1	95.6/121.2	107.6/137	120.8/154
Heating capacity (4/6 rows)	kW	113.9/135.4	134.3/159.1	154.9/182.6	173.9/205.2	195/229.5
Water flow volume (4/6 rows)	L/s	2.99/3.83	3.59/4.57	4.17/5.31	4.71/5.98	5.31/6.71
Pressure drop (4/6 rows)	kPa	25.5/20.7	40.2/32.3	59.3/47.3	70.4/53.3	58.5/72.5
Water inlet pipe diameter (4/6 rows)	mm	40/50	40/50	50/50	50/65	50/65
Water outlet pipe diameter (4/6 rows)	mm	40/50	40/50	50/50	50/65	50/65
Condensed water drain pipe diameter	mm	32	32	32	32	32
Sound pressure level	dB(A)	≤ 68	≤ 68	≤ 70	≤ 70	≤ 72
Outline dimension (W × D × H)	cm	163×110×113	193×110×113	203×120×113	213×120×123	233×130×133
Package dimension (W × D × H)	cm	193×140×143	223×140×143	233×150×143	243×150×153	263×160×163

Model	G-25W(I)(Y)/A-M/H/F	G-30W(I)(Y)/A-M/H/F	G-35W(I)(Y)/A-M/H/F	G-40W(I)(Y)/A-M/H/F	G-45W(I)(Y)/A-M/H/F	G-50W(I)(Y)/A-M/H/F
Air flow volume	m³/h	25000	30000	35000	40000	45000
ESP range (4/6 rows)	Pa	120~720/120~720	120~570/120~520	120~570/120~520	120~570/120~520	120~720/120~720
Cooling capacity (4/6 rows)	kW	144.3/186	174.3/223.8	202.7/259.9	228/297	258.3/332.1
Heating capacity (4/6 rows)	kW	238.3/282.6	287.1/339.5	334.3/394.8	375.8/450	422/504.9
Water flow volume (4/6 rows)	L/s	6.3/8.09	7.59/9.74	8.85/11.3	9.91/12.87	11.24/14.45
Pressure drop (4/6 rows)	kPa	40.1/28.6	42.2/30.3	43/30.8	43.6/31.2	50.8/35.8
Water inlet pipe diameter (4/6 rows)	mm	65/65	65/65	65/80	65/80	65/80
Water outlet pipe diameter (4/6 rows)	mm	65/65	65/65	65/80	65/80	65/80
Condensed water drain pipe diameter	mm	32	32	32	32	32
Sound pressure level	dB(A)	≤ 72	≤ 75	≤ 75	≤ 78	≤ 78
Outline dimension (W × D × H)	cm	263×130×133	263×140×153	263×140×173	263×150×213	283×160×223
Package dimension (W × D × H)	cm	293×160×163	293×170×183	293×170×203	293×180×243	313×190×253

Fresh air

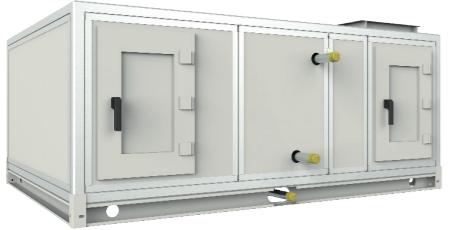
Model	G-3WX(I)(Y)/A-M/H/F	G-4WX(I)(Y)/A-M/H/F	G-5WX(I)(Y)/A-M/H/F	G-6WX(I)(Y)/A-M/H/F	G-8WX(I)(Y)/A-M/H/F	G-10WX(I)(Y)/A-M/H/F
Air flow volume	m³/h	3000	4000	5000	6000	8000
ESP range (4/6 rows)	Pa	120~670/120~670	120~670/120~620	120~670/120~670	120~620/120~570	120~670/120~670
Cooling capacity (4/6 rows)	kW	45.2/47.8	53.8/61.6	67.5/75	79.2/92.8	106.3/127.3
Heating capacity (4/6 rows)	kW	46.7/49.3	60.9/64.9	73.1/80.4	89.5/97.3	117.8/131.4
Water flow volume (4/6 rows)	L/s	1.98/2.09	2.45/2.69	3.11/3.26	3.79/4.04	5.12/5.55
Pressure drop (4/6 rows)	kPa	28.2/18	45.2/25.8	35.4/17.2	45.8/29.2	60.8/41.7
Water inlet pipe diameter (4/6 rows)	mm	32/32	40/40	40/40	50/50	50/50
Water outlet pipe diameter (4/6 rows)	mm	32/32	40/40	40/40	50/50	50/50
Condensed water drain pipe diameter	mm	32	32	32	32	32
Sound pressure level	dB(A)	≤ 58	≤ 60	≤ 62	≤ 62	≤ 66
Outline dimension (W × D × H)	cm	93×90×73	113×100×73	103×100×93	123×110×93	133×120×103
Package dimension (W × D × H)	cm	123×120×103	143×130×103	133×130×123	153×140×133	193×140×133

Model	G-12WX(I)(Y)/A-M/H/F	G-14WX(I)(Y)/A-M/H/F	G-16WX(I)(Y)/A-M/H/F	G-18WX(I)(Y)/A-M/H/F	G-20WX(I)(Y)/A-M/H/F	G-22WX(I)(Y)/A-M/H/F
Air flow volume	m³/h	12000	14000	16000	18000	20000
ESP range (4/6 rows)	Pa	120~670/120~670	120~570/120~520	120~670/120~620	120~670/120~670	120~670/120~670
Cooling capacity (4/6 rows)	kW	152.4/198.9	181.3/220	211.2/254.7	236.9/286.5	268.6/314.4
Heating capacity (4/6 rows)	kW	168/201	197.3/230.5	226.9/264.2	254.2/296.8	284.5/328.3
Water flow volume (4/6 rows)	L/s	6.56/8.69	7.83/6.85	9.12/7.94	10.23/8.93	11.58/8.53
Pressure drop (4/6 rows)	kPa	37.5/46.4	58.6/65.6	51.9/55.9	57.5/63.1	79/64.6
Water inlet pipe diameter (4/6 rows)	mm	65/65	65/65	65/65	80/65	80/80
Water outlet pipe diameter (4/6 rows)	mm	65/65	65/65	65/65	80/65	80/80
Condensed water drain pipe diameter	mm	32	32	32	32	32
Sound pressure level	dB(A)	≤ 68	≤ 68	≤ 70	≤ 70	≤ 72
Outline dimension (W × D × H)	cm	163×110×113	193×110×113	203×120×113	213×120×123	233×130×133
Package dimension (W × D × H)	cm	193×140×143	223×140×143	233×150×143	243×150×153	263×160×163

Model	G-25WX(I)(Y)/A-M/H/F	G-30WX(I)(Y)/A-M/H/F	G-35WX(I)(Y)/A-M/H/F	G-40WX(I)(Y)/A-M/H/F	G-45WX(I)(Y)/A-M/H/F	G-50WX(I)(Y)/A-M/H/F</th

MODULAR AIR HANDLING UNIT

GZK series modular air handling unit is designed with compact and rigid structure, low air leakage and easy maintenance. It's applicable for hotels, office buildings, healthcare, pharmaceutical and data centers.



◆ High strength and durable casing

Double skin insulated panel is made of galvanized steel sheet (color steel plate is optional) with special spraying treatment. The rigid structural frame is made of 2mm thickness anodized aluminum material and 3-legged glass fiber reinforced plastic gussets. All these make the mechanical strength of the casing comply with the AHRI standard CD1 level.

◆ Excellent air tightness and cold bridge prevention design

The middle of the double skin panel adopts high-pressure polyurethane, with neoprene rubber and PVC for sealing. The unit is completely free from cold bridges. Its cold bridge prevention factor complies with EN1886 TB1 level and AHRI standard CB2 level.

At the same time, the air tightness of the casing is greatly improved with air leakage rate, complying with AHRI standard CL 1 level.

All parts contacting with the coil are insulated with thermal insulation materials to prevent the generation of condensate.

◆ High-quality coil design with good performance

The coil adopts copper pipes with corrugated hydrophilic blue aluminum fins, which has good heat transfer performance. Meanwhile, golden or black fins are optional for higher anti-corrosion performance.

The coil is equipped with a drain valve at the lowest point to avoid frozen crack of the coil in winter and an air vent valve at the highest point to prevent air blockage and ensure efficient heat exchange.

The drain pan is made of galvanized steel plate with sprayed plastic or stainless steel as option. It adopts a "trough" shaped structure for discharging condensate quickly and efficiently, preventing the breeding and growth of microorganisms and moss bacteria.

◆ Superior sound insulation performance

The double skin panel is filled with polyurethane foam board, with excellent sound insulation performance, which can effectively reduce the noise in the equipment room.

◆ Convenient maintenance

Thanks to aluminum locking material and PVC tube layering, the panel can be assembled or disassembled conveniently. At the same time, each functional section that needs regular maintenance is equipped with the access door (sight window can be equipped as option) for easy opening and closing, which is convenient for maintenance.

◆ Various fan selection

Options of forward-curved, backward-curved, and AC/EC plug fan are available to meet different design criteria.

Air volume

Model (GZK***)	Unit air volume corresponds to velocity(m ³ /h)					Total pressure of recommended fan (Pa)
	2(m/s)	2.25(m/s)	2.5(m/s)	2.75(m/s)	3(m/s)	
0804	1241	1396	1552	1707	1862	400-1200
0806	2172	2444	2715	2987	3258	400-1200
0808	3103	3491	3879	4267	4655	400-1200
1008	4109	4622	5136	5650	6163	400-1200
1208	5115	5754	6393	7033	7672	400-1200
1608	7126	8017	8908	9799	10690	400-1200
1010	5342	6009	6677	7345	8012	400-1500
1210	6649	7480	8311	9143	9974	400-1500
1610	9186	10334	11482	12631	13779	400-1500
2010	12278	13813	15347	16882	18417	400-1500
1212	8936	10053	11170	12287	13404	400-1500
1612	12405	13956	15507	17057	18608	400-1500
2012	15750	17719	19687	21656	23625	400-1500
1616	16566	18637	20708	22779	24850	400-1500
1816	18907	21270	23634	25997	28361	400-1500
2016	21248	23904	26560	29216	31872	400-1500
2416	25793	29017	32241	35465	38689	400-1500
2816	30474	34283	38092	41902	45711	400-1500
2020	26133	29399	32666	35932	39199	400-2000
2420	31639	35594	39549	43503	47458	400-2000
2820	37350	42019	46687	51356	56025	400-2000
3020	40391	45440	50489	55537	60586	400-2000
3220	43254	48660	54067	59474	64880	400-2000
3620	48813	54914	61016	67117	73219	400-2000
2424	38528	43344	48159	52975	57791	400-2000
2824	45263	50921	56579	62237	67895	400-2000
3024	48732	54824	60915	67007	73099	400-2000
3224	52201	58726	65252	71777	78302	400-2000
3624	59139	66532	73924	81316	88709	400-2000
3030	62763	70609	78454	86300	94145	400-2000
3630	74607	83933	93259	102585	111911	400-2000

Note:

1. When the face velocity through the unit is greater than 2.5m/s, a water baffle shall be installed to prevent water spatter from the coil.
2. The above specifications are standard specification. For more custom options, please consult Gree sales representatives.

Cooling capacity

Return air working condition

Model (GZK***)	Air volume (m ³ /h)	4 rows				6 rows				8 rows			
		Cooling capacity (kW)	Air resistance (Pa)	Waterflow volume (L/s)	Water pressure drop (kPa)	Cooling capacity (kW)	Air resistance (Pa)	Waterflow volume (L/s)	Water pressure drop (kPa)	Cooling capacity (kW)	Air resistance (Pa)	Waterflow volume (L/s)	Water pressure drop (kPa)
0804	1552	7	150	0.34	5.77	10	200	0.48	15.153	12	250	0.57	26.98
0806	2715	13	150	0.6	5.9	17	200	0.84	15.413	21	250	0.99	27.34
0808	3879	18	150	0.86	6.12	25	200	1.20	15.847	30	250	1.42	27.95
1008	5136	24	150	1.14	12.58	35	200	1.67	35.826	38	250	1.81	10.36
1208	6393	30	150	1.43	22.23	43	200	2.07	11.475	48	250	2.27	18.25
1608	8908	44	150	2.1	11.75	60	200	2.89	26.332	69	250	3.29	45.43
1010	6677	31	150	1.49	13.09	45	200	2.17	36.89	49	250	2.35	11.47
1210	8311	39	150	1.86	23.02	56	200	2.69	13.141	62	250	2.95	19.96
1610	11482	56	150	2.7	10.24	78	200	3.73	23.995	89	250	4.24	41.2
2010	15347	75	150	3.6	25.57	100	200	4.8	45.919	108	250	5.18	14.86
1212	11170	50	150	2.4	23.65	72	200	3.46	11.137	80	250	3.82	17.25
1612	15507	74	150	3.52	11.13	101	200	4.84	25.715	116	250	5.55	43.23
2012	19687	97	150	4.66	21.82	130	200	6.22	43.119	140	250	6.71	12.55
1616	20708	98	150	4.71	9.88	135	200	6.46	23.352	155	250	7.42	39.49
1816	23634	121	150	5.8	20.25	155	200	7.43	33.287	179	250	8.57	56.82
2016	26560	139	150	6.63	27.72	176	200	8.42	45.597	190	250	9.08	15.39
2416	32241	173	150	8.27	37.99	219	200	10.49	27.568	236	250	11.31	20.88
2816	38092	209	150	10.01	61.09	265	200	12.69	44.181	283	250	13.55	32.61
2020	32666	170	150	8.12	28.99	216	200	10.32	46.505	233	250	11.15	15.74
2420	39549	211	150	10.12	39.41	268	200	12.81	26.781	290	250	13.86	19.95
2820	46687	256	150	12.23	63.17	323	200	15.44	42.805	346	250	16.58	31.24
3020	50489	278	150	13.32	13.28	354	200	16.93	53.59	378	250	18.08	38.67
3220	54067	301	150	14.4	16.01	365	200	14.55	43.163	414	250	19.81	48.1
3620	61016	350	150	16.72	20.18	421	200	16.8	59.106	453	250	18.07	41.64
2424	48159	257	150	12.27	41.45	324	200	15.5	28.066	352	250	16.82	21.67
2824	56579	308	150	14.76	58.12	391	200	18.69	41.186	419	250	20.02	29.46
3024	60915	337	150	16.1	12.23	428	200	20.46	51.501	457	250	21.85	36.56
3224	65252	364	150	17.41	14.8	441	200	17.59	41.61	501	250	23.95	45.59
3624	73924	424	150	20.31	21.43	512	200	20.4	60.368	550	250	21.94	43.1
3030	78454	436	150	20.84	13.88	553	200	26.48	54.162	591	250	28.28	39.6
3630	93259	549	150	26.28	24.05	662	200	26.4	63.014	712	250	28.39	46.16

Fresh air working conditon

Model (GZK***)	Air volume (m ³ /h)	4 rows				6 rows				8 rows			
		Cooling capacity (kW)	Air resistance (Pa)	Waterflow volume (L/s)	Water pressure drop (kPa)	Cooling capacity (kW)	Air resistance (Pa)	Waterflow volume (L/s)	Water pressure drop (kPa)	Cooling capacity (kW)	Air resistance (Pa)	Waterflow volume (L/s)	Water pressure drop (kPa)
0804	1552	19	150	0.91	33.83	23	200	1.11	11.09	26	250	1.24	22.06
0806	2715	33	150	1.59	34.83	40	200	1.93	12.53	45	250	2.17	21.72
0808	3879	48	150	2.28	36.33	58	200	2.76	14.77	65	250	3.11	23.77
1008	5136	61	150	2.92	15.74	77	200	3.68	29.26	87	250	4.18	48.52
1208	6393	76	150	3.65	26.74	99	200	4.73	52.8	106	250	5.08	23.89
1608	8908	109	150	5.2	62.28	137	200	6.54	55.7	149	250	7.12	50.75
1010	6677	79	150	3.79	18.85	100	200	4.79	34.63	114	250	5.43	54.6
1210	8311	99	150	4.74	31.59	129	200	6.15	61.67	138	250	6.61	34.13
1610	11482	140	150	6.7	54	176	200	8.43	45.06	192	250	9.18	38.48
2010	15347	169	150	8.1	24.69	214	200	7.32	40.11	233	250	7.96	33.22
1212	11170	128	150	6.13	25.54	166	200	7.95	51.73	179	250	8.54	23.78
1612	15507	183	150	8.76	59.8	230	200	11.03	55.44	251	250	12.01	50.78
2012	19687	219	150	10.5	19.31	278	200	9.49	35.24	302	250	10.32	27.79
1616	20708	245	150	11.72	52.55	308	200	14.75	46.05	336	250	16.06	40.08
1816	23634	255	150	12.21	18.89	354	200</						

Face velocity and cooling capacity correction table

velocity	2(m/s)	2.25(m/s)	2.5(m/s)	2.75(m/s)	3(m/s)
Cooling capacity(coefficient)	0.85	0.91	1	1.04	1.09

Heating capacity (hot water, heat supply)

Return air working condition

Model (GZK***)	Air volume (m ³ /h)	2 rows				4 rows			
		Heating capacity (kW)	Air resistance (Pa)	Waterflow volume (L/s)	Water pressure drop (kPa)	Heating capacity (kW)	Air resistance (Pa)	Waterflow volume (L/s)	Water pressure drop (kPa)
0804	1552	8	60	0.18	0.81	14	120	0.34	4.67
0806	2715	13	60	0.31	0.85	25	120	0.59	4.81
0808	3879	19	60	0.45	0.9	35	120	0.85	5.01
1008	5136	30	60	0.72	2.6	49	120	1.17	10.94
1208	6393	42	60	1.01	5.5	63	120	1.52	20.43
1608	8908	61	60	1.45	13.42	90	120	2.16	10.49
1010	6677	39	60	0.94	2.8	64	120	1.52	11.47
1210	8311	55	60	1.31	5.89	82	120	1.97	21.32
1610	11482	78	60	1.87	13.94	116	120	2.78	9.09
2010	15347	103	60	2.47	27.65	151	120	3.62	22.26
1212	11170	71	60	1.69	6.4	106	120	2.55	22.22
1612	15507	102	60	2.45	15.35	152	120	3.64	10.07
2012	19687	134	60	3.21	29.45	196	120	4.7	18.72
1616	20708	137	60	3.27	13.78	203	120	4.86	8.85
1816	23634	160	60	3.82	20.08	234	120	5.59	16.48
2016	26560	181	60	4.34	34.28	266	120	6.35	22.23
2416	32241	206	60	4.94	10.38	327	120	7.82	28.59
2816	38092	248	60	5.93	15.79	394	120	9.42	45.23
2020	32666	223	60	5.33	28.2	326	120	7.81	23.37
2420	39549	253	60	6.05	10.69	401	120	9.58	29.68
2820	46687	303	60	7.26	11.45	482	120	11.52	46.86
3020	50489	331	60	7.92	14.12	523	120	12.51	10.08
3220	54067	358	60	8.55	17	564	120	13.49	12.09
3620	61016	410	60	9.8	23.63	642	120	15.36	16.54
2424	48159	307	60	7.34	8.26	486	120	11.64	31.59
2824	56579	366	60	8.77	12.56	582	120	13.92	42.78
3024	60915	400	60	9.58	15.45	632	120	15.11	11.34
3224	65252	432	60	10.34	18.55	682	120	16.31	13.56
3624	73924	497	60	11.9	25.93	779	120	18.65	15.37
3030	78454	518	60	12.39	18.58	818	120	19.56	10.62
3630	93259	644	60	15.4	23.2	1009	120	24.13	17.54

Fresh air working condition

Model (GZK***)	Air volume (m ³ /h)	2 rows				4 rows			
		Heating capacity (kW)	Air resistance (Pa)	Waterflow volume (L/s)	Water pressure drop (kPa)	Heating capacity (kW)	Air resistance (Pa)	Waterflow volume (L/s)	Water pressure drop (kPa)
0804	1552	14	60	0.33	2.42	22	120	0.54	10.84
0806	2715	24	60	0.57	2.55	39	120	0.94	11.18
0808	3879	34	60	0.82	2.74	56	120	1.34	11.7
1008	5136	48	60	1.15	6.05	77	120	1.84	5.82
1208	6393	60	60	1.44	10.55	96	120	2.31	9.89
1608	8908	85	60	2.04	25.02	136	120	3.24	22.37
1010	6677	62	60	1.49	6.56	100	120	2.39	7.06
1210	8311	78	60	1.87	11.36	125	120	3	11.81
1610	11482	110	60	2.63	26.08	175	120	4.18	19.26
2010	15347	138	60	3.29	12.48	221	120	5.3	9.96
1212	11170	101	60	2.42	12.4	162	120	3.87	9.46
1612	15507	144	60	3.44	28.86	229	120	5.47	21.51
2012	19687	178	60	4.27	16.5	287	120	6.87	7.7
1616	20708	192	60	4.6	25.81	306	120	7.32	18.79
1816	23634	223	60	5.34	37.04	343	120	8.2	8.07
2016	26560	241	60	5.78	12.95	388	120	9.29	10.63
2416	32241	298	60	7.12	20.81	477	120	11.41	16.8
2816	38092	358	60	8.56	31.59	571	120	13.66	25.1
2020	32666	297	60	7.09	13.46	477	120	11.41	10.87
2420	39549	365	60	8.73	21.46	584	120	13.98	10.82
2820	46687	438	60	10.47	22.53	698	120	16.71	16.53
3020	50489	474	60	11.33	27.28	756	120	18.08	19.96
3220	54067	510	60	12.2	32.64	847	120	20.27	25.68
3620	61016	581	60	13.9	44.87	965	120	23.09	30.12
2424	48159	443	60	10.59	16.38	710	120	16.97	12.56
2824	56579	529	60	12.65	24.86	844	120	20.19	18.78
3024	60915	572	60	13.69	30.03	913	120	21.85	18.12
3224	65252	616	60	14.75	35.83	1024	120	24.5	23.37
3624	73924	705	60	16.88	49.51	1172	120	28.04	32.47
3030	78454	741	60	17.72	36.43	1182	120	28.28	21.1
3630	93259	913	60	21.84	44.01	1517	120	36.28	37.39

Note:

1. Face velocity of the unit: 2.5m/s
2. The above table is a single-use hot water coil with entering water temperature of 90°C
3. Return air working condition: air inlet dry bulb temperature is 15°C
4. Fresh air working condition: air inlet dry bulb temperature is -4°C
5. The above specifications are standard specifications. For more custom options, please consult Gree sales representatives

Heating capacity (steam heat supply)

Return air working condition

Model (GZK***)	Air volume (m³/h)	1 row			2 rows		
		Heating capacity(kW)	Air resistance (Pa)	Steam flow (g/s)	Heating capacity(kW)	Air resistance (Pa)	Steam flow (g/s)
0804	1552	12	25	5.55	21	50	9.54
0806	2715	21	25	9.71	37	50	16.69
0808	3879	31	25	13.88	53	50	23.84
1008	5136	40	25	18.38	70	50	31.57
1208	6393	50	25	22.88	87	50	39.3
1608	8908	70	25	31.87	121	50	54.76
1010	6677	53	25	23.89	90	50	41.04
1210	8311	65	25	29.74	112	50	51.09
1610	11482	90	25	41.08	155	50	70.58
2010	15347	116	25	52.78	200	50	90.67
1212	11170	85	25	38.43	145	50	66.02
1612	15507	118	25	53.72	203	50	92.3
2012	19687	151	25	68.41	259	50	117.5
1616	20708	158	25	71.86	272	50	123.5
1816	23634	181	25	82.21	311	50	141.2
2016	26560	204	25	92.55	350	50	159
2416	32241	248	25	112.6	426	50	193.4
2816	38092	293	25	133.3	504	50	228.9
2020	32666	250	25	113.7	430	50	195.3
2420	39549	304	25	137.9	522	50	236.8
2820	46687	359	25	163.1	617	50	280.1
3020	50489	387	25	175.7	664	50	301.8
3220	54067	415	25	188.2	712	50	323.4
3620	61016	468	25	212.6	804	50	365.3
2424	48159	369	25	167.4	633	50	287.6
2824	56579	434	25	197	745	50	338.4
3024	60915	467	25	212.3	803	50	364.7
3224	65252	501	25	227.6	861	50	391
3624	73924	569	25	258.2	977	50	443.5
3030	78454	605	25	274.7	1039	50	472
3630	93259	736	25	334.1	1264	50	574

Fresh air working condition

Model (GZK***)	Air volume (m³/h)	1 row			2 rows		
		Heating capacity (kW)	Air resistance (Pa)	Steam flow (g/s)	Heating capacity (kW)	Air resistance (Pa)	Steam flow (g/s)
0804	1552	15	25	6.83	29	50	12.95
0806	2715	26	25	11.96	50	50	22.67
0808	3879	38	25	17.08	71	50	32.38
1008	5136	50	25	22.62	94	50	42.88
1208	6393	62	25	28.15	118	50	53.38
1608	8908	86	25	39.23	164	50	74.37
1010	6677	65	25	29.4	123	50	55.74
1210	8311	81	25	36.6	153	50	69.39
1610	11482	111	25	50.56	211	50	95.86
2010	15347	143	25	64.96	271	50	123.15
1212	11170	104	25	47.3	197	50	89.67
1612	15507	146	25	66.12	276	50	125.36
2012	19687	185	25	84.2	351	50	159.6
1616	20708	195	25	88.44	369	50	167.7
1816	23634	223	25	101.18	422	50	191.8
2016	26560	251	25	113.91	476	50	216
2416	32241	305	25	138.6	578	50	262.7
2816	38092	361	25	164	685	50	311
2020	32666	308	25	139.9	584	50	265.3
2420	39549	374	25	169.7	708	50	321.7
2820	46687	442	25	200.7	838	50	380.5
3020	50489	476	25	216.2	903	50	409.9
3220	50467	510	25	231.7	967	50	439.2
3620	61016	576	25	261.7	1092	50	496.1
2424	48159	454	25	206	860	50	390.6
2824	56579	534	25	242.5	1012	50	459.7
3024	60915	575	25	261.3	1091	50	495.4
3224	65252	617	25	280.1	1169	50	531.1
3624	73924	700	25	317.8	1327	50	602.4
3030	78454	745	25	338.1	1412	50	641.1
3630	93259	906	25	411.2	1717	50	779.6

Note:

1. Face velocity of the unit: 2.5m/s
2. The steam is saturated and under the pressure of 0.2MPa
3. Return air working condition: air inlet dry bulb temperature is 20°C
4. Fresh air working condition: air inlet dry bulb temperature is -4°C
5. The above specifications are standard specifications. For more custom options, please consult Gree sales representatives

Heating capacity of electric heater

Model (GZK***)	Air volume (m³/h)	Heating power(kW)	Model	Air volume (m³/h)	Heating power(kW)	Model	Air volume (m³/h)	Heating power(kW)
0804	1552	3	1612	15507	18	3220	54067	90
0806	2715	3	2012	19687	30	3620	61016	90
0808	3879	6	1616	20708	30	2424	48159	90
1008	5316	6	1816	23634	30	2824	56579	90
1208	6393	9	2016	26560	42	3024	60915	90
1608	8908	9	2416	32241	42	3224	65252	90
1010	6677	9	2816	38092	42	3624	73924	120
1210	8311	9	2020	32666	72	3030	78454	120
1610	11482	18	2420	39549	72	3630	93259	150
2010	15347	18	2820	46687	72			
1212	11170	18	3020	50489	90			

Note:

1. Face velocity of the unit: 2.5m/s. The electric heating power in the above table is the recommended value and the user can also adjust it according to actual needs.
2. The above specifications are standard specifications. For more custom options, please consult Gree sales representatives.

ELECTRICAL AND AUTOMATIC CONTROL SYSTEM

Gree modular air handling unit can be equipped with different forms of control devices according to the needs of users, to realize automatic control function from simple to complex. The conventional configuration is on-off type startup cabinet.

◆ Type I startup cabinet

Perform on-off control of the executive components of each functional section of the modular air handling unit. For example: the start and stop of the fan motor, the changing speed control of the fan motor, the start and stop of the electric heater, the opening and closing of the electric control valves of the chilled water, hot water and steam pipeline, and the opening and closing of the air damper, etc. At the same time, it provides the unit with a variety of electrical protection and malfunction alarms, such as, motor overheating and overcurrent protection, filter blockage protection, unit high temperature alarm and control, etc.

◆ Intelligent control system

In addition to all the functions of the startup cabinet, various parameters (temperature and humidity, etc.) of the unit can be directly monitored and accurate constant temperature and humidity control can be achieved. It is more compatible with other special components, which can automatically control water valve, damper, inverter, humidifier, heater and other devices according to logic requirements. At the same time, it can also be connected to the client's BMS system, to achieve integration of the air conditioning system with other related systems.

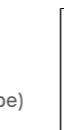
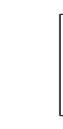
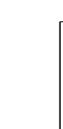
AHU SELECTION SOFTWARE

User friendly selection software program is available for Modular AHU, to optimize the best arrangement and performance for each system.

Standard components can be selected and be placed according to actual requirement, once the unit is defined, optional items and accessories will be identified.

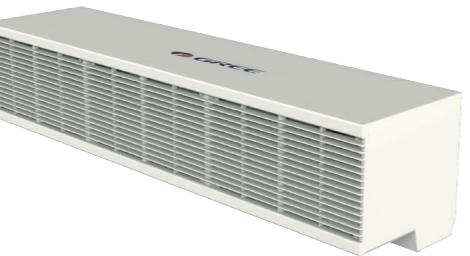
Export report with detail technical information such as fan curves data, coil performance data, noise data, dimension and weight.

OPTIONAL FUNCTION SECTION

Name	Sketch	Name	Sketch	Name	Sketch	Name	Sketch
Air-suction section (fresh air/return air)		Primary filtrating section (plate type/bag type)		Cooling coil section		Electrode humidifying section	
Air-suction section (secondary air-returning section)		Primary filtrating section (plate type/bag type)		Electric heater section		Wet film humidifying section	
Mixing section		Sub high-efficiency filtrating section		Heating coil section		Dry steam humidifying section	
Complex section (combination sections of exhaust, air-returning and fresh air sections)		High-efficiency filtrating section		Steam coil section		Fan section	
Air equalizing section		Sound absorber section		Service section (maintenance section)		Turning section	
Air supply section							

AIR CURTAIN

- Adopt optimally designed cross-flow fan blades and motor with excellent performance.
- Self-developed microprocessor controller with satisfactory performance and ensure long service life.
- The casing is made of high-quality galvanized steel with double-sided spray treatment, which has super resistance and anti-corrosion ability.



50Hz

Model		FM-1.25-9-K	FM-1.25-12-K
Air flow volume	m³/h	1200	1650
Power supply	Ph/V/Hz	220-240V~50Hz	220-240V~50Hz
Power input	kW	110	140
Sound pressure level	dB(A)	59	61
Dimension (W×D×H)	Outline	900×225×220	1200×225×220
	Package	1015×270×256	1315×270×256
Net weight	kg	16	20
Gross weight	kg	17.5	21.8
Loading quantity	40'GP/40'HQ	unit	776/873
Wireless remote controller		ZY611(MC)	ZY611(MC)

60Hz

Model		GCA900LA	GCA1200LA
Air flow volume	m³/h	1200	1650
Power supply	Ph/V/Hz	220-230V~60Hz	220-230V~60Hz
Power input	kW	145	170
Sound pressure level	dB(A)	61	61
Dimension (W×D×H)	Outline	900×225×220	1200×225×220
	Package	1015×270×256	1315×270×256
Net weight	kg	16	20
Gross weight	kg	17.5	21.8
Loading quantity	40'GP/40'HQ	unit	776/873
Wireless remote controller		ZY611(MC)	ZY611(MC)

Control System Model	Wireless remote controller ZY611(MC)
Picture	
Standard or Optional	Standard

Note:

As for the unit and controller, please refer to actual product.

ERV

The product provides fresh outside air and recovery waste heat from exhaust air leaving conditioned space, to improve indoor air quality, and it is widely used in the application which requires good air quality with energy saving such as supermarket, convenience stores, hotels, stations, hospitals, museum, theaters, ect.



DC Inverter ERV

Features

- Multiple operating modes such as bypass, total heat exchange, exhaust air or auto mode, adaptable to demands in different circumstances.
- Reminder for filter cleaning and replacement.
- High static pressure (up to 100Pa) and low noise.
- Five(5) fan speed adjustable, satisfying fresh air demand under different installation environment.
- Independent operation or interlock with GMV.
- Connectable with Gree air box to realize auto control: Gree air box can detect and indicate the indoor air temperature/humidity, PM2.5 and CO2 level, showing the air quality in real time.



50Hz(Suitable for Europe Union regions)

Model		FHBQGL-D8DA-K	FHBQGL-D10DA-K	FHBQGL-D15DA-K	FHBQGL-D20DA-K
Air flow volume	m³/h	800	1000	1500	2000
External residual pressure	Pa	100	100	100	100
Temperature exchange efficiency	%	73	73	73	73
Power supply	Ph/V/Hz	1/220-240/50			
Power input	kW	0.44	0.54	0.88	1.06
Motor		DC motor	DC motor	DC motor	DC motor
Sound power level	dB(A)	66	67	71	71.5
Dimension (W × D × H)	Outline	mm	1230 × 910 × 384	1230 × 1160 × 384	1230 × 921 × 835
	Package	mm	1570 × 1170 × 557	1570 × 1420 × 557	1570 × 1250 × 1007
Net weight	kg	82.5	90.5	196.0	214.5
Gross weight	kg	131.5	142.5	265.0	285.0
Loading quantity	40'GP	unit	40	32	18
	40'HQ	unit	40	32	18
Standard wired controller		Z6L351S	Z6L351S	Z6L351S	Z6L351S

50/60Hz(Suitable for other regions)

Model		FHBQGL-D8DA-S	FHBQGL-D10DA-S	FHBQGL-D15DA-S	FHBQGL-D20DA-S
Air flow volume	m³/h	800	1000	1500	2000
External residual pressure	Pa	100	100	100	100
Temperature exchange efficiency	%	73	73	73	73
Power supply	Ph/V/Hz	1/220-240/50/60			
Power input	kW	0.44	0.54	0.88	1.06
Motor		DC motor	DC motor	DC motor	DC motor
Sound power level	dB(A)	66	67	71	71.5
Dimension (W × D × H)	Outline	mm	1230 × 910 × 384	1230 × 1160 × 384	1230 × 921 × 835
	Package	mm	1570 × 1170 × 557	1570 × 1420 × 557	1570 × 1250 × 1007
Net weight	kg	82.5	90.5	196.0	214.5
Gross weight	kg	131.5	142.5	265.0	285.0
Loading quantity	40'GP	unit	40	32	18
	40'HQ	unit	40	32	18
Standard wired controller		Z6L351S	Z6L351S	Z6L351S	Z6L351S

50Hz AC ERV

- ◆ Multiple operating modes such as bypass, total heat exchange, exhaust air or auto mode, adaptable to demands in different circumstances.
- ◆ Reminder for filter cleaning and replacement.
- ◆ High static pressure (up to 240Pa) and low noise.
- ◆ Connectable to BMS with Modbus interface.
- ◆ Independent operation only, no interlocking with GMV or Gree air box.



50Hz(Suitable for Non-EU regions)

Model		FHBQG-D3.5B-K	FHBQG-D5B-K	FHBQG-D6.5B-K	FHBQG-D8B-K	FHBQG-D10B-K	FHBQG-D13B-K
Air flow volume	m³/h	350	500	650	800	1000	1300
External residual pressure	Pa	100	100	100	100	100	150
Temperature exchange efficiency	%	75	75	75	75	75	75
Enthalpy exchange efficiency	Heating	70	70	70	70	70	70
	Cooling	60	60	60	60	60	60
Power supply	Ph/V/Hz	1/220/50	1/220/50	1/220/50	1/220/50	1/220/50	1/220/50
Power input	kW	0.16	0.27	0.35	0.48	0.575	0.7
Motor		AC motor	AC motor	AC motor	AC motor	AC motor	AC motor
Sound power level	dB(A)	37	38	41	42	43	47
Dimension (W × D × H)	Outline	920 × 730 × 300	920 × 800 × 300	1146 × 832 × 380	1146 × 832 × 380	1146 × 983 × 380	1375 × 1210 × 485
	Package	mm	1278 × 983 × 395	1278 × 1053 × 395	1523 × 1158 × 455	1523 × 1293 × 455	1656 × 1465 × 615
Net weight	kg	39	45.5	61.5	65	71.5	102
Gross weight	kg	49.5	56	76.5	80.5	89	127.5
Loading quantity	40'GP	unit	105	90	70	45	24
	40'HQ	unit	126	108	70	45	32
Standard wired controller		ZNA351AJ	ZNA351AJ	ZNA351AJ	ZNA351AJ	ZNA351AJ	ZNA351AJ

Model		FHBQG-D15B-K	FHBQG-D20B-K	FHBQG-D25B-M	FHBQG-D30B-M	FHBQG-D40B-M	FHBQG-D50B-M
Air flow volume	m³/h	1500	2000	2500	3000	4000	5000
External residual pressure	Pa	150	150	200	220	240	240
Temperature exchange efficiency	%	75	75	75	75	75	75
Enthalpy exchange efficiency	Heating	70	70	70	70	70	70
	Cooling	60	60	60	60	60	60
Power supply	Ph/V/Hz	1/220/50	1/220/50	3/380/50			
Power input	kW	0.83	1.3	2.6	2.8	3.4	5.6
Motor		AC motor	AC motor	AC motor	AC motor	AC motor	AC motor
Sound power level	dB(A)	48	54	59	60	60	62
Dimension (W × D × H)	Outline	1375 × 1210 × 485	1375 × 1328 × 530	1750 × 1362 × 600	2000 × 1490 × 684	2100 × 1642 × 780	2300 × 1792 × 825
	Package	mm	1656 × 1465 × 615	1615 × 1535 × 675	1850 × 1548 × 793	2100 × 1680 × 877	2200 × 1828 × 973
Net weight	kg	110	131	210	240	290	350
Gross weight	kg	135.5	157	233.5	277	323.5	390
Loading quantity	40'GP	unit	24	21	14	12	8
	40'HQ	unit	32	21	21	21	8
Standard wired controller		ZNA351AJ	ZNA351AJ	Controlling switch	Controlling switch	Controlling switch	Controlling switch

Notes:

1.Thermal exchange efficiency test conditions of models FHBQG-D ** B-K and FHBQG-D ** B-M:

The temperature at cooling fresh air inlet (DB/WB): 35/28°C ; the temperature at exhaust air inlet (DB/WB): 27/19.5°C ;

The temperature at heating fresh air inlet (DB/WB): 21/13°C ; the temperature at exhaust air inlet (DB/WB): 2/1°C .

2.Thermal exchange efficiency test conditions of model FHBQGL-D ** DA-K thermal exchange efficiency test conditions:

The temperature at fresh air inlet (DB/WB): 25/13°C ; the temperature at exhaust air inlet (DB/WB): 5/-2°C .

3.Some models are under development, and parameters may be changed without prior notice.

Control System	Wired Controller Z6L351S ZNA351AJ	Controlling switch
Image		
Standard or Optional	Standard	Standard

Note:

As for the unit and controller, please refer to actual product.

