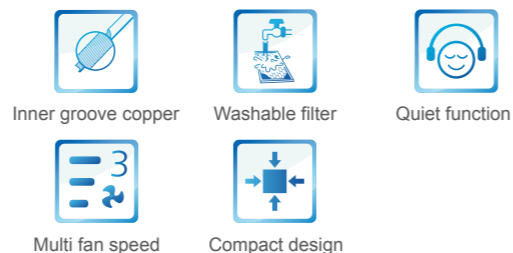


# Fan Coil Unit

## Concealed Ceiling Type

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



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



Nominal test condition (temperature)				
Item	DB ( )	WB ( )	Inlet ( )	Outlet ( )
Cooling	27	19.5	7	12
Heating	21	—	60	—

## 2 Rows/Standard Type\*

Model		FP-34WA-K	FP-51WA-K	FP-68WA-K	FP-85WA-K	FP-102WA-K	FP-136WA-K	FP-170WA-K	FP-204WA-K
Air flow volume(H/M/L)	CFM	200/146/125	300/232/155	400/291/194	500/375/250	600/464/309	800/644/429	1000/750/500	1200/926/618
ESP	Pa	12	12	12	12	12	12	12	12
Capacity	Cooling/Heating	kW	1.85/3.05	2.8/4.4	3.6/5.5	4.5/7.0	5.5/8.9	7.35/11.0	9.2/14.0
Power system	Type	PhV/Hz	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50
	Input	W	37	45	62	70	96	120	145
Water system	Water flow volume	l/s	0.1	0.14	0.17	0.21	0.27	0.6	0.45
	Pressure drop	kPa	12	21	16	23	36	38	38
		Ft-WG	4	7	5.3	7.7	12.0	12.7	12.7
Sound pressure level		dB(A)	35	38	40	42	44	46	48
Dimension (W×D×H)	Outline	mm	881×510×245	1011×510×245	1131×510×245	1211×510×245	1211×510×245	1176×510×245	1761×510×245
	Package	mm	900×560×275	1030×560×275	1150×560×275	1230×560×275	1230×560×275	1780×560×275	1780×560×275
Net weight/Gross weight		kg	14/17	15/19.5	16.5/21	18/22	19/24	28.5/35	34/39
Connection pipe diameter	Water inlet & outlet (inner groove)	inch(mm)	Rc3/4						
	Condensed water drain (outer groove)	inch(mm)	Rc3/4						
Loading quantity	40'GP/40'HQ	set	448/490	447/482	344/386	316/355	220/247	220/247	220/247
Optionals	Wired remote controller	—	Luxury wired controller: WK-010PA-K; LCD controller: WK-110PA0						
	Plenum with filter	—	HF31	HF32	HF33	HF34	HF34	HF36	HF36
	Plenum without filter	—	HF41	HF42	HF43	HF44	HF44	HF46	HF46

## 2 Rows/High ESP Type\*

Model		FP-34WAH-K	FP-51WAH-K	FP-68WAH-K	FP-85WAH-K	FP-102WAH-K	FP-136WAH-K	FP-170WAH-K	FP-204WAH-K
Air flow volume(H/M/L)	CFM	200/146/125	300/232/155	400/291/194	500/375/250	600/464/309	800/644/429	1000/750/500	1200/926/618
ESP	Pa	30	30	30	30	30	30	30	30
Capacity	Cooling/Heating	kW	1.8/3.05	2.8/4.4	3.6/5.5	4.5/7.0	5.5/8.9	7.35/11.0	9.2/14.0
Power system	Type	PhV/Hz	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50
	Input	W	42	55	68	80	102	140	158
Water system	Water flow volume	l/s	0.1	0.14	0.17	0.21	0.27	0.6	0.45
	Pressure drop	kPa	12	21	16	23	36	38	38
		Ft-WG	4	7	5.3	7.7	12.0	12.7	12.7
Sound pressure level		dB(A)	38	40	42	44	46	47	49
Dimension (W×D×H)	Outline	mm	881×510×245	1011×510×245	1131×510×245	1211×510×245	1211×510×245	1761×510×245	1761×510×245
	Package	mm	900×560×275	1030×560×275	1150×560×275	1230×560×275	1230×560×275	1780×560×275	1780×560×275
Net weight/Gross weight		kg	14/17	15/19.5	16.5/21	18/22	19/24	28.5/35	34/39
Connection pipe diameter	Water inlet & outlet (inner groove)	inch(mm)	Rc3/4						
	Condensed water drain (outer groove)	inch(mm)	Rc3/4						
Loading quantity	40'GP/40'HQ	set	448/490	447/482	344/386	316/355	220/247	220/247	220/247
Optionals	Wired remote controller	—	Luxury wired controller: WK-010PA-K; LCD controller: WK-110PA0						
	Plenum with filter	—	HF31	HF32	HF33	HF34	HF34	HF36	HF36
	Plenum without filter	—	HF41	HF42	HF43	HF44	HF44	HF46	HF46

\*Note: Horizontal fan coil unit with air return can be added for option choice.

## 3 Rows\*

Model		FP-34WAS-R	FP-51WAS-R	FP-68WAS-R	FP-85WAS-R	FP-102WAS-R	FP-136WAS-R	
Air flow volume(H/M/L)	CFM	200/146/125	300/232/155	400/291/194	500/375/250	600/464/309	800/644/429	
ESP	Pa	30	30	30	30	30	30	
Capacity	Cooling/Heating	kW	2.19/3.29	3.37/5.06	4.28/6.42	5.04/7.56	6.46/9.70	
Power system	Type	PhV/Hz	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	
	Input	W	44	59	72	87	108	
Water system	Water flow volume	l/s	0.11	0.17	0.22	0.25	0.32	
	Pressure drop	kPa	10	15	25	30	40	20
		Ft-WG	3.3	5	8.4	10	13.3	6.7
Sound pressure level		dB(A)	38	40	42	44	46	
Dimension (W×D×H)	Outline	mm	881×510×245	1011×510×245	1131×510×245	1211×510×245	1371×510×245	
	Package	mm	900×560×275	1030×560×275	1150×560×275	1230×560×275	1390×560×275	
Net weight/Gross weight		kg	15/19	16/20.5	18/23	19.5/24.5	21/26	
Connection pipe diameter	Water inlet & outlet (inner groove)	inch(mm)	Rc3/4					
	Condensed water drain (outer groove)	inch(mm)	Rc3/4					
Loading quantity	40'GP/40'HQ	set	448/490	392/434	344/386	316/355	268/301	
Optionals	Wired remote controller	—	Luxury wired controller: WK-010PA-K; LCD controller: WK-110PA0					
	Plenum with filter	—	HF31	HF32	HF33	HF34	HF35	
		—	HF41	HF42	HF43	HF44	HF45	
	Plenum without filter	—	HF41	HF42	HF43	HF44	HF45	

Model		FP-170WAS-R	FP-204WAS-R	FP-238WAS-R <sup>*1</sup>	FP-272WAS-R <sup>*1</sup>	FP-306WAS-R <sup>*1</sup>	FP-340WAS-R <sup>*1</sup>
Air flow volume(H/M/L)	CFM	1000/750/500	1200/926/618	1400/971/729	1600/1235/868	1800/1006/674	2000/1400/812
ESP	Pa	30	30	30	30	30	30
Capacity	Cooling/Heating	kW	11.4/18.2	12.2/18.6	12.4/19.5	13.5/21.3	16.0/24.8
Power system	Type	PhV/Hz	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50
	Input	W	174	212	380	475	535
Water system	Water flow volume	l/s	0.55	0.57	0.57	0.64	0.74
	Pressure drop	kPa	38	45	21.9	27.9	37.5
		Ft-WG	12.7	15	7.3	9.3	12.5
Sound pressure level		dB(A)	49	52	56	59	62
Dimension (W×D×H)	Outline	mm	1921×510×245	1921×510×245	1671×595×354	1671×595×354	1921×595×354
	Package	mm	1940×560×275	1940×560×275	1750×650×380	1750×650×380	1950×650×380
Net weight/Gross weight		kg	33/38.5	24/39.5	48/55	48/55	52/60
Connection pipe diameter	Water inlet & outlet (inner groove)	inch(mm)	Rc3/4		Rc1		
	Condensed water drain (outer groove)	inch(mm)	Rc3/4		Rc1		
Loading quantity	40'GP/40'HQ	set	196/220	196/220	140/166	140/166	130/153
Optionals	Wired remote controller	—	Luxury wired controller: WK-010PA-K; LCD controller: WK-110PA0				
	Plenum with filter	—	HF37	HF37	HF28	HF28	HF29
	Plenum without filter	—	HF47	HF47	HF48	HF48	HF49

\*1: This product model is not fit for EU.

Model		FP-238WASD-K	FP-272WASD-K	FP-306WASD-K	FP-340WASD-K
Air flow volume(H/M/L)	CFM	1400/1200/900	1600/1350/1000	1800/1550/1250	2000/1650/1400
ESP	Pa	30	30	30	30
Capacity	Cooling/Heating	kW	12.4	13.5	14.8
Power system	Type	PhV/Hz	1/220-240/50	1/220-240/50	1/220-240/50
	Input	W	220	290	385
Water system	Water flow volume	l/s	0.59	0.65	0.71
	Pressure drop	kPa	14	17	30
		Ft-WG	4.59	5.57	9.84
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	1753×653×395	1753×653×395	1953×653×395
Net weight/Gross weight		kg	48/55	48/55	53/61
Connection pipe diameter	Water inlet & outlet(inner groove)	inch(mm)	1"(inner groove)	1"(inner groove)	1"(inner groove)
	Condensed water drain(outer groove)	inch(mm)	1"(inner groove)	1"(inner groove)	1"(inner groove)
Loading quantity	40'GP/40'HQ	set	448/490	447/482	344/386
Optionals	Wired remote controller	—	Luxury wired controller: WK-010PA-K; LCD controller: WK-110PA0		