

Concealed duct type Fan Coil Unit

Model: FP-WA series

FP-WA-V: 2 pipe 3 rows
 FP-WA-P: 4 pipe 3+1 rows

Air Flow: 200 ~ 1400cfm
 Cooling Capacity: 2.0KW ~ 12.6KW
 ESP: 12Pa, 30Pa, 50Pa



Rear air inlet or bottom air inlet

Nomenclature

FP-68WA-V-PA-EC G30 D1 S L

68: Air flow volume, 68x10 CMH

V: 2 pipe 3 rows
 P: 4 pipe 3+1 rows

Default: without plenum box
 PB: with plenum box, bottom air inlet
 PR: with plenum box, rear air inlet

Default: without air filter
 A: With air filter

EC: equipped with EC motor
 Default AC motor

Water pipe connection direction
 L: Left pipe connection(facing the air outlet)
 R: Right pipe connection(facing the air outlet)

Drain Pan length
 S: Standard length drain pan
 E: Extended length drain pan
 L: Length can customised as per request

Drain Pan Material
 D1: Cold roll steel with powder coating
 D2: Stainless Steel

External Static Pressure
 G12: ESP 12Pa
 G30: ESP 30Pa
 G50: ESP 50Pa

Design Features

Centrifugal Fan

Well-known brand centrifugal fans, with galvanized steel and which is statically and dynamically balanced.

High Efficiency Coil

Coil are made of 3/8"(9.52mm) O.D copper tubes and high exchange surface area aluminum blue fins. All coils are 100% tested against leaks by 30bar(3Mpa) air pressure. with 3/4" pipe connections and air bleed vent.

One-time Punched Drain Pan

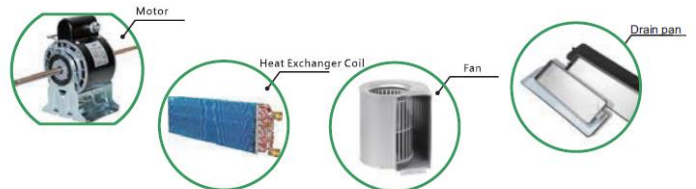
Cold roll steel drain pan with powder coating for easy cleaning and corrosion resistance, anti-rust; one-time mould processing joint with no welding joint. The drain pan is insulated to prevent condensation water.

Water pipe connection

symmetrical design, it is easy to change the unit from left(right) water pipe connection to right(left) water pipe connection.

Standard:

- ESP: 12Pa, 30Pa, 50Pa
- Drain pan: Powder coating, standard length
- AC motor
- Without plenum box, without air filter



Optional:

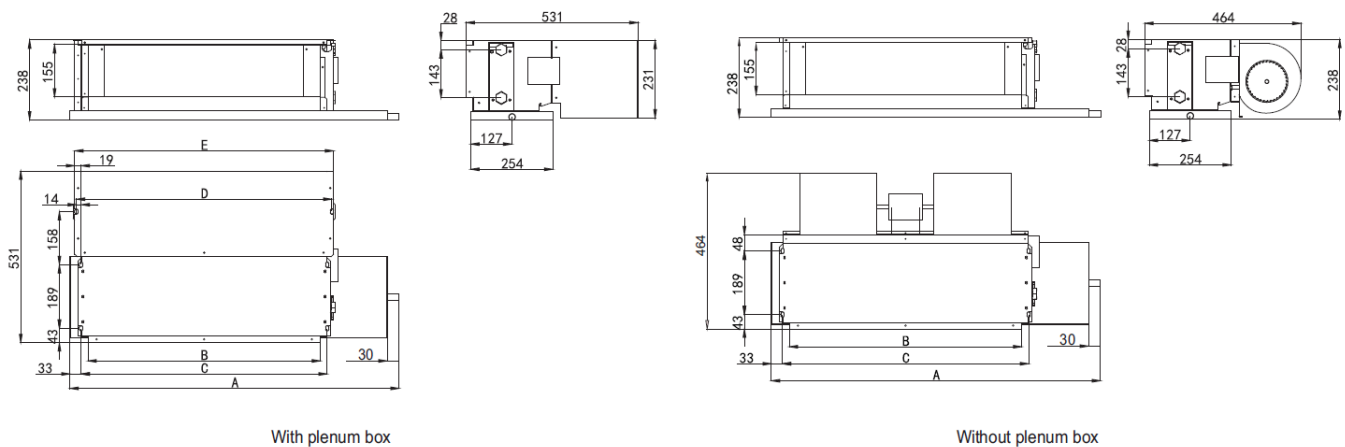
- a. Drain pan: -Stainless steel
 -Extended length
 -Customised length
- b. EC motor
- c. With plenum box, rear or bottom air inlet
- d. Left or right water pipe connection;
- e. On/off 2-way or 3 way valve
- e. Electric Heater
- f. Thermostat or 3-speed switch
- g. With PCB/wired wall controller/RS485 port. etc.

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Performance Data - 2 pipe, 3 rows

Model: FP- <i>WA</i> -V			FP-34WA-V	FP-51WA-V	FP-68WA-V	FP-85WA-V	FP-102WA-V	FP-136WA-V	FP-170WA-V	FP-204WA-V	FP-238WA-V	
CFM			200	300	400	500	600	800	1000	1200	1400	
Air Flow Rate	H	m ³ /h	340	510	680	850	1020	1360	1700	2040	2380	
	M	m ³ /h	280	418	558	697	836	1115	1394	1673	1952	
	L	m ³ /h	170	255	340	425	510	680	850	1020	1190	
Cooling	Total Capacity	H	KW	2.0	2.7	3.6	4.5	5.4	7.2	9.0	10.8	12.6
		M	KW	1.8	2.3	3.1	4.2	4.3	5.7	7.9	8.6	10.0
		L	KW	1.6	1.8	2.6	3.0	3.6	4.5	6.0	6.8	8.0
	Sensible Capacity	H	KW	1.5	2.1	2.7	3.4	4.1	5.3	6.7	8.1	9.4
		M	KW	1.3	1.7	2.3	3.1	3.4	4.3	5.8	6.1	7.2
		L	KW	1.0	1.3	1.8	2.1	2.5	3.1	4.2	4.7	5.4
	Water flow rate		l/h	345	465	620	775	930	1240	1550	1860	2160
	Water pressure drop		kPa	12	21	12	23	30	33	26	33	38
	Heat	Heating Capacity	H	KW	3.8	4.4	5.9	7.5	8.4	14.0	16.0	19.0
M			KW	3.3	3.8	5.1	6.5	7.2	12.1	13.8	16.4	18.8
L			KW	2.1	2.4	3.2	4.1	4.5	7.6	8.6	10.3	11.8
Power supply			220-240V/1PH/50Hz(or 60HZ)									
Power Input	12Pa	W	37	52	62	76	96	134	152	189	228	
	30Pa	W	44	59	72	87	108	156	174	212	253	
	50Pa	W	49	66	84	100	118	174	210	250	300	
Sound pressure	12Pa	dB(A)	37	39	41	43	45	46	48	50	52	
	30Pa	dB(A)	40	42	44	46	47	48	50	52	54	
	50Pa	dB(A)	42	44	46	47	49	50	52	54	56	
Fan	Type	DIDW centrifugal fans with forward curved blades										
	Model	SYP150/200J	SYP150/150J	SYP150/200J	SYP150/200J	SYP150/200J	SYP150/200J	SYP150/150J	SYP150/200J	SYP150/240J		
	Quantity	Nr.	1	2	2	2	2	3	4	4	4	
Motor	Type	3-speed Motor										
	Quantity	Nr.	1	1	1	1	1	2	2	2	2	
Coil	Coil Rows	Nr.	3									
	Max. working pressure	MPa	1.6									
	Tuber Diameter	inch	3/8"									
Water inlet/outlet pipe	inch	ZG3/4" / ZG3/4"										
Condensate discharge	inch	G3/4"										
Weight(no plenum box)	kg	10.9	12.9	15.3	16.2	17.2	26	28.8	31.4	38		
Weight(with plenum box)	kg	13.9	16.5	19.3	20.5	21.8	32	35.2	38.6	46.2		

- Cooling: inlet air temp. DB+27°C/WB+19.5°C, water inlet/outlet temp. +7°C/+12°C
- Heating: +21°C, water inlet temp. +60°C; Same water flow rate as for the cooling



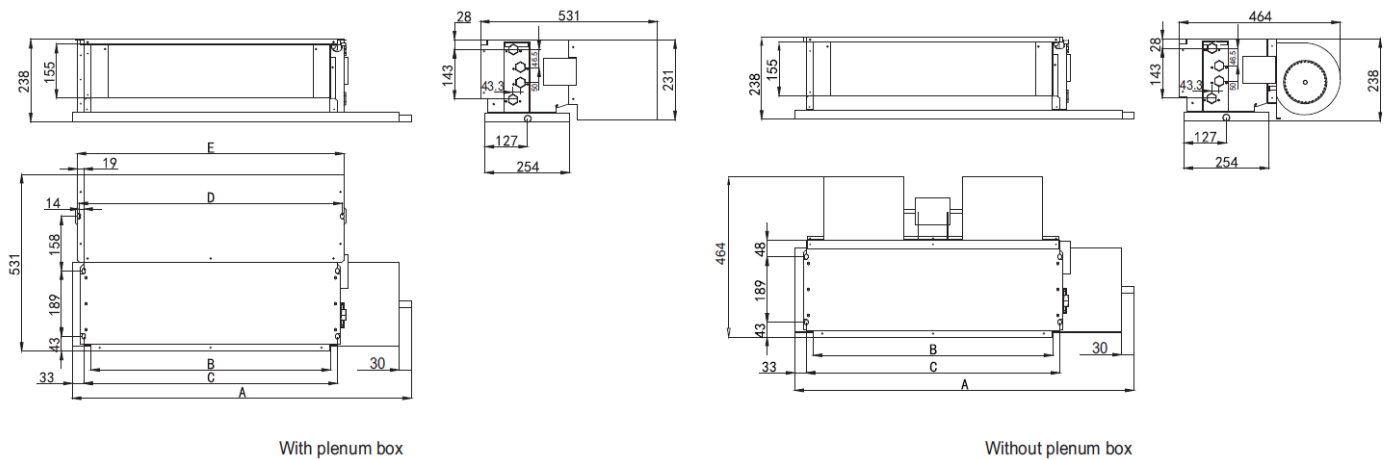
Model	FP-34WA-V	FP-51WA-V	FP-68WA-V	FP-85WA-V	FP-102WA-V	FP-136WA-V	FP170WA-V	FP-204WA-V	FP-238WA-V
A (Standard Drain Pan)	620	760	860	940	1040	1370	1470	1670	1820
A (Extended Drain Pan)	739	879	979	1059	1159	1489	1589	1789	1939
B	452	592	692	772	872	1202	1302	1502	1652
C	492	632	732	812	912	1242	1342	1542	1692
D	520	660	760	840	940	1270	1370	1570	1720
E	530	670	770	850	950	1280	1380	1580	1730

Concealed duct type Fan Coil Unit

Performance Data - 4 pipe, 3+1 rows

Model: FP- [*] WA-P			FP-34WA-P	FP-51WA-P	FP-68WA-P	FP-85WA-P	FP-102WA-P	FP-136WA-P	FP-170WA-P	FP-204WA-P	FP-238WA-P	
CFM			189	289	382	482	582	770	959	1165	1359	
Air Flow Rate	H	m ³ /h	320	490	650	820	990	1310	1630	1980	2310	
	M	m ³ /h	240	370	490	610	740	980	1220	1480	1730	
	L	m ³ /h	160	240	320	410	490	650	810	980	1150	
Cooling	Total Capacity	H	KW	1.8	2.6	3.5	4.3	5.2	6.8	8.5	10.2	12.0
		M	KW	1.6	2.2	2.95	3.96	4.2	6.0	7.4	8.9	10.4
		L	KW	1.2	1.68	2.45	2.9	3.5	4.7	5.9	7.0	8.2
	Sensible Capacity	H	KW	1.4	2.0	2.6	3.2	3.9	5.0	6.2	7.4	8.8
		M	KW	1.2	1.6	2.1	2.8	3.1	4.2	5.3	6.2	7.4
		L	KW	0.8	1.2	1.7	2.0	2.4	3.2	4.0	4.8	5.6
	Water flow rate		l/h	310	464	619	757	911	1169	1462	1754	2064
Water pressure drop		kPa	11	15	21	23	32	30	35	30	40	
Heat	Heating Capacity	H	KW	1.7	2.4	3.3	4.1	5.1	6.2	8.0	9.7	11.2
		M	KW	1.5	2.0	2.9	3.5	4.5	5.4	7.0	8.4	9.8
		L	KW	1.2	1.6	2.3	2.8	3.5	4.3	5.6	6.6	7.7
Power supply			220~240V/1PH/50Hz(or 60HZ)									
Power Input	12Pa	W	37	52	62	76	96	134	152	189	228	
	30Pa	W	44	59	72	87	108	156	174	212	253	
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Sound pressure	12Pa	dB(A)	37	39	41	43	45	46	48	50	52	
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Fan	Type	Centrifugal Fan										
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	Quantity	Nr.	1	2	2	2	2	3	4	4	4	
Motor	Type	3-speed Motor										
	Quantity	Nr.	1	1	1	1	1	2	2	2	2	
Coil	Chilled Coil Rows	Nr.	3									
	Hot Coil Rows	Nr.	1									
	Max. working pressure	MPa	1.6									
	Tuber Diameter	inch	3/8"									
Water inlet/outlet pipe	inch	ZG3/4" / ZG3/4"										
Condensate discharge	inch	G3/4"										
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