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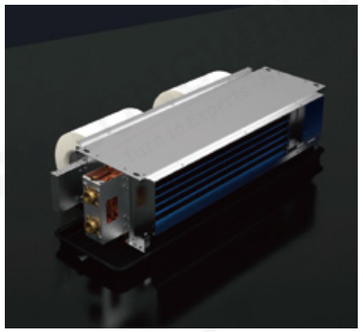
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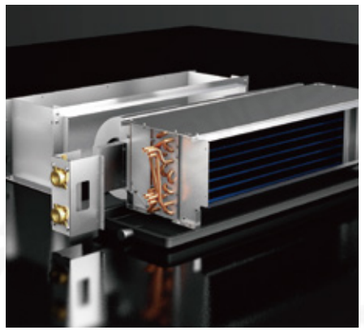
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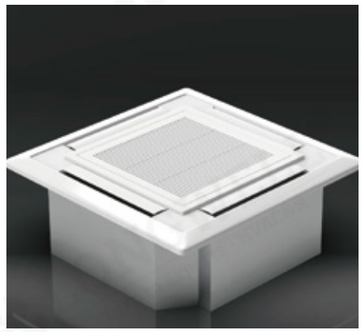
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LONGWELL TECHNOLOGY

The Ventilation and Drive Technology Partner for Mission-Critical Environments







Longwell Technology Ventilation Equipment

—— Fan Coil Unit

Ningbo Longwell Electric Technology Co., Ltd



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CORE TECHNOLOGY

Wind Turbine

The air volume and wind pressure characteristics are stable,with high static pressure efficiency and strong resistance to decay,minimizing the impact of pipeline resistance on the air supply of the unit. The casing is made of metal or ABS plastic,with the ABS casing being detachable for easy inspection and maintenance.

Motor

Adopting semi-enclosed permanent capacitor motors, dust-proof,moisture-proof,leak-proof,smooth operation, low noise,long service life,and the rotating parts adopt precision high-precision fully sealed oil-containing ball bearings,which require no oil for life,hence no maintenance is needed.
The motor fixed bracket is stamped from 2.5mm steel plate and fixed on the motor mounting plate with M8mm rivet nuts (generally,manufacturers use 2mm steel plate and M6mm self-tapping screws for fixing).Therefore,it has high structural strength,seismic resistance,stable operation,reduced noise,and prolonged unit service life.

Impeller

After years of production experience and combining with the practical usage conditions of engineering,the hyperbolic surface arc impeller is manufactured through fluid dynamics optimized design and constructed by welding high-quality metal alloy plates using collision welding.It features a sturdy and stable structure,resistance to deformation from earthquakes,and eliminates collisions with the impeller during transportation and installation.

Water Receiving Tray

The water receiving tray is processed from high-quality cold-rolled steel plate, with both sides of the plate undergoing pickling and phosphating treatment followed by electrostatic spraying of mixed polyester for ultra-high temperature curing.Its anti-rust and moisture-proof performance far exceeds that of ordinary electrostatic spraying or anti-rust coatings,with a solid,durable,and long-lasting glossy coating.



Unit Structure

The unit structure is compact and small in size, with a minimum installation height of only 223mm,which is conducive to reducing the building height.The casing is made of hot-dip galvanized steel sheet with high zinc content, cut by laser cutting.The inner surface is covered with centrifugal glass wool boards coated with moisture-proof and windproof layers,providing both insulation and sound absorption functions.

Heat Exchanger/Aluminum Foil

The heat exchanger adopts the mechanical expansion tube technology,which offers higher heat exchange efficiency compared to traditional water expansion tube heat exchangers of the same unit size.The fins are made of imported corrosion-resistant coated aluminum foil,featuring high corrosion resistance,high tensile strength,and excellent heat conduction properties with minimal oxidation.The fin thickness is 0.115mm, arranged in a cross pattern with copper tubes,presenting an efficient structural form widely used in the refrigeration industry.The process utilizes counterflow coils for higher heat transfer efficiency, ensuring ample cooling and heating capacity.High-quality phosphorus deoxidized copper tubes are used for coil fabrication,welded using imported gas shielded welding technology with silver-containing solder,eliminating the need for additional deoxidation treatment.The welded joints are earthquake-resistant and sturdy, ensuring lifelong leak-free performance once pressure tested.

Collector Head

According to different models of the fan coil unit and varying refrigeration capacity requirements,different types of collector heads are selected.The cold water enters the evaporator through the collector head.The cross-flow direction of the evaporator improves heat exchange efficiency,changing the previous water flow direction from bottom inlet to top outlet.

COMPLETE VARIETIES AND SPECIFICATIONS

According to the air volume,the product has nine specifications,the air volume ranges from 340 m³/h to 2380 m³/h,and the cooling capacity from 1940W to 10020W. Products not only can meet the requirements of room noise standard unit,but also can meet the quiet high static pressure unit.

Fan Coil Unit Controller

Basic Functions Of Lcd Controller:

Parameter settings;Water valve control;Sleep function;Temperature calibration;Cooling/Heating/Ventilation Control; Three-speed fan control;Two-way interlock;Power-off memory function;Fan manual auto mode switching.

Other Auxiliary Functions:

Timer power on/off;Overheat protection and low temperature protection;With APP/RS485;Underfloor heating control; Host linkage.

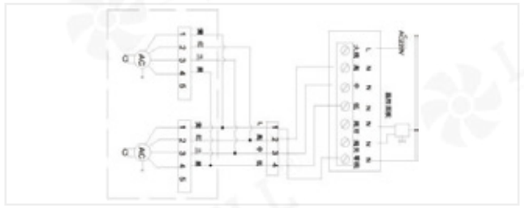


Fan coil control system

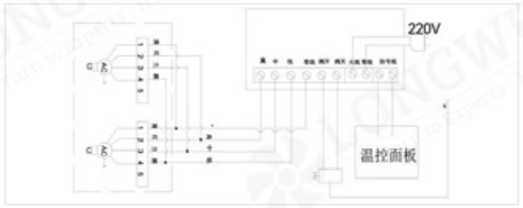
Through centralized control,multiple fan coil units can be simultaneously or independently controlled for activation and temperature regulation.Indoor and outdoor units within the area can be integrated into a unified centralized control management system and monitor the operating status and parameters of the units via R485 communication lines.This includes cooling,heating,temperature settings,timer settings,operating modes,etc.

Circuit Control

AC Motor wiring diagram (two pipe)

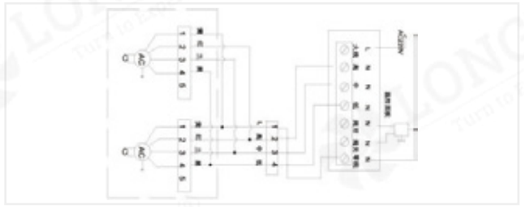


AC (7-core thermostat) motor wiring diagram

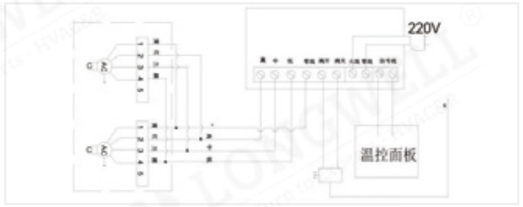


AC(two-core temperature control panel) motor wiring diagram

Four control thermostat

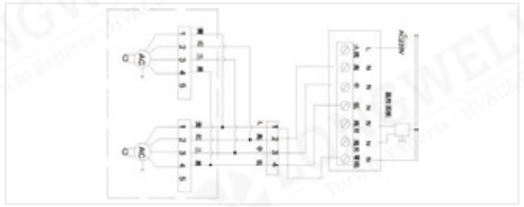


AC motor wiring diagram

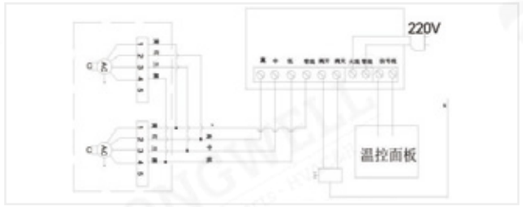


AC(two-core temperature control panel) motor wiring diagram

DC brushless leak controller



Three-speed speed control (temperature control panel)



0~10V speed control (temperature control panel)

According to the system: VSP 0-10V adjustment control type

Speed Setting

Model	Three-Speed Control (Temperature Control Panel) 1	2	3	4	Infinite Speed Control (Temperature Control Panel) 1	2	3	4
JJFC-34	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
JJFC-51	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF
JJFC-68	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
JJFC-85	ON	ON	OFF	ON	OFF	OFF	OFF	OFF
JJFC-102	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
JJFC-136	ON	ON	ON	ON	OFF	OFF	OFF	OFF

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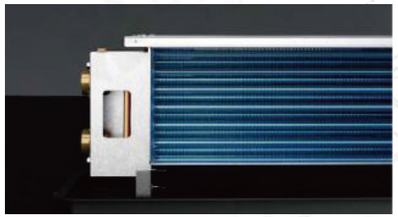
Horizontal Concealed Fan Coil Unit

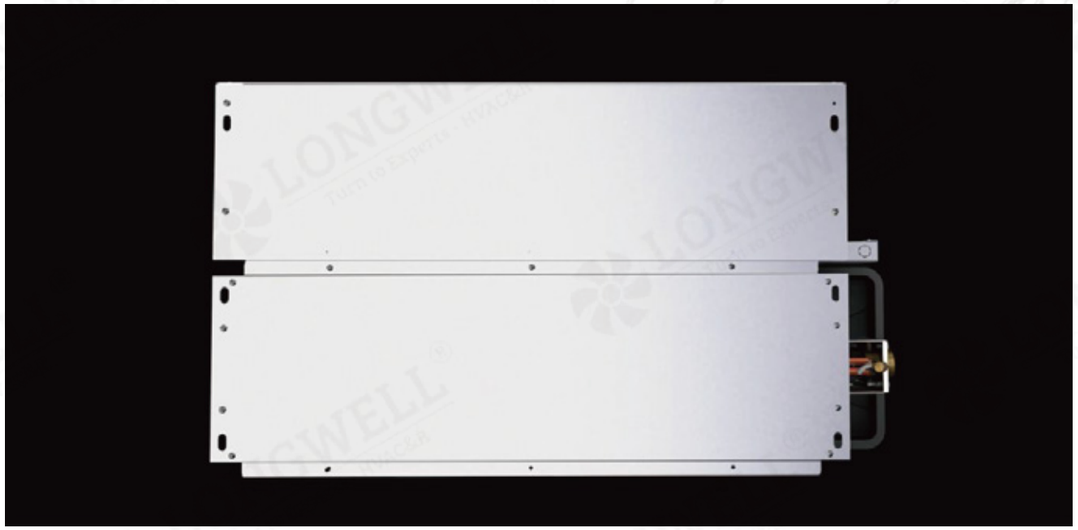
Galvanized steel shell / unique pipe clamp design.
Low noise fan / pure copper tube has high heat exchange efficiency.
Thickened condensate pan.



Two tubes/3 Rows/Metal tooing type fan coil(30Pa)

FP series fan coil air conditioner is mainly composed of fan,motor heat exchanger (coil), condensate pan,shell and controller.
It is suitable for centralized air conditioning system.





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Two tubes/3 Rows/ Metal tooing type fan coil(30Pa)



Technical parameters of 3-row pipe

Technical Specifications

Model			FP-34	FP-51	FP-68	FP-85	FP-102	FP-136	FP-170	FP-204	FP-238
Three Rows	Airflow Volume (CMH)	H	340	510	680	850	1020	1360	1700	2040	2380
		M	280	410	550	690	830	1100	1360	1630	1900
		L	180	270	350	440	520	690	860	1020	1190
	Common Application	Cooling Capacity (KW)	2.21	3.16	4.17	5.06	6.1	8	9.3	11.1	13
		Thermal Energy (KW)	3.5	5.2	6.7	8.12	9.7	13	15.5	18	20.8
		Water Flow Rate (L/s)	0.11	0.15	0.2	0.25	0.3	0.39	0.45	0.53	0.63
		Water Resistance (KPa)	25	24	25	30	40	35	35	40	50
	large temperature differential application	Cooling Capacity (KW)	2.16	3.01	3.9	4.79	5.91	7.98	9.85	11.31	13.29
		Thermal Energy (KW)	3.37	4.84	6.32	7.56	9.16	12.27	14.92	17.15	19.95
		Water Flow Rate (L/s)	0.06	0.09	0.12	0.14	0.18	0.24	0.29	0.34	0.4
		Water Resistance (KPa)	10	11	10	14	16	33	36	35	50
	Power (w)	30Pa	41	55	71	87	108	150	174	212	253
	Noise (dBA)	30Pa	38	40	41.5	43.5	46	46.5	49	51	53
	N.W. (W)	Kg	11	14	15	17	20	27	31	34	36
	Number of Motors		1	1	1	1	1	2	2	2	2
Rank			Three Rows								
Working Pressure			1.8MPa								
Coil Type			Copper Tube With Hydrophilic Aluminum Fins								
Fan Type			Metal Centrifugal Forward Multi-Blade Type								
Motor Type			Single-Phase Capacitor Type								
Inlet And Outlet Pipe Diameter			Rc 3/4"								
Condensate Tray Configuration			One-Time Stamping Forming, Surface Electrostatic Spraying								
Condensate Pan Outlet Pipe			R 3/4"								
Accessory			Filter, Thermostat, Electric Heating, Special Water Tray								

Remarks:
1. The parameters of cold,heat,water volume and water resistance are high gear parameters.
2. Refrigeration condition:inlet air dry wet bulb temperature dB/WB:27/19.5°C,chilled water inlet and outlet temperature:7/12°C.
3. Heating condition:inlet air dry bulb temperature DB:21°C,hot water inlet temperature 60°C,water flow is the same as refrigeration condition.

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Horizontal Concealed Fan Coil Unit

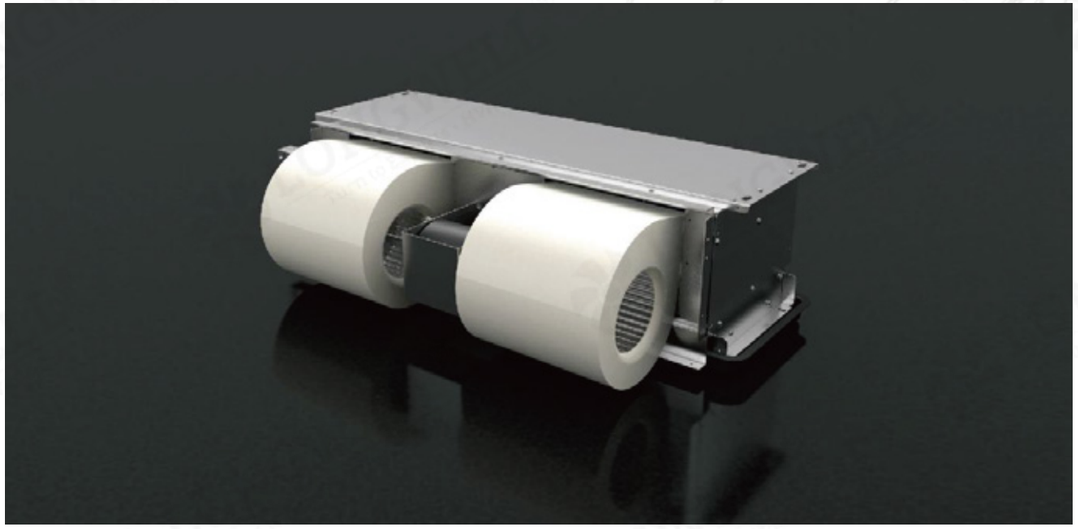
Galvanized steel shell / unique pipe clamp design.
Low noise fan / pure copper tube has high heat exchange efficiency.
Thickened condensate pan.



Two tubes/2 Rows/ABS Tooling fan-coil unit (30Pa) parameters

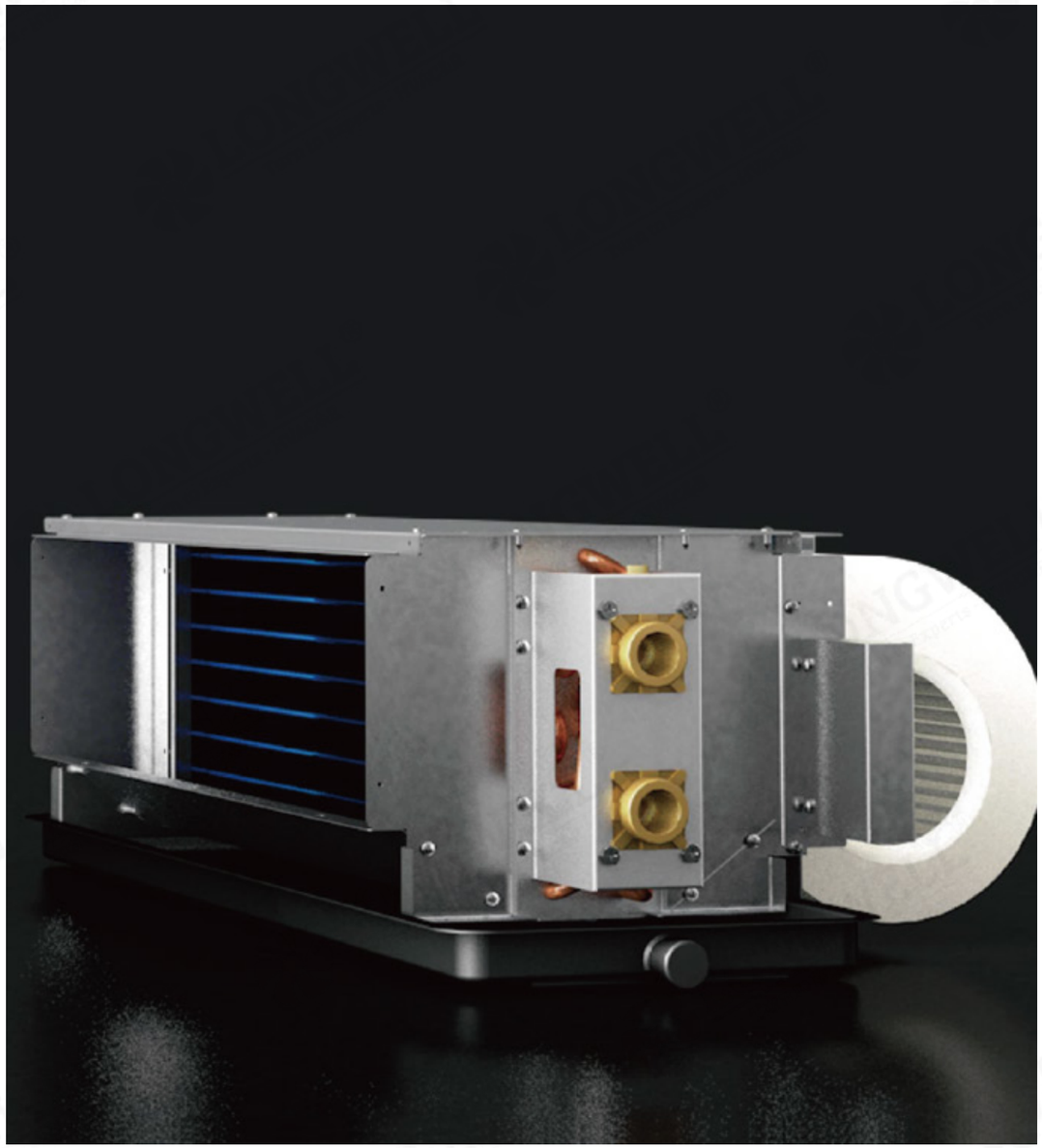
FP series fan coil air conditioner is mainly composed of fan,motor heat exchanger (coil), condensate pan,shell and controller.
It is suitable for centralized air conditioning system.





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Two tubes/2 Rows/ABS Tooling fan-coil unit (30Pa) parameters



Two tubes/2 Rows/ABS Tooling fan-coil unit (30Pa) parameters

Technical Specifications

Model			FP-34	FP-51	FP-68	FP-85	FP-102	FP-136	FP-170	FP-204	FP-238
Two Rows	Airflow Volume (CMH)	H	350	520	690	870	1040	1380	1720	2060	2410
		M	280	410	550	700	830	1100	1360	1600	1850
		L	180	270	350	450	520	690	1000	1070	1400
	Cooling Capacity	(KW)	1.9	2.8	3.6	4.5	5.4	7.2	8.3	10.42	11.68
	Thermal Energy	(KW)	3.15	4.93	6.1	7.41	8.9	12	13.65	16.34	17.9
	Water Flow Rate	(L/s)	0.1	0.14	0.17	0.21	0.26	0.34	0.4	0.5	0.56
	Water Resistance	(KPa)	15	30	25	30	34	36	36	40	42
	Power (W)	30Pa	42	56	72	86	108	150	175	213	254
	Noise (dBA)	30Pa	38.5	40	41.5	44	47	46.5	49.5	51	53
	N.W. (Kg)	Kg	11	13	15	16	19	26	30.2	33	34.9
	Number of Motors		1	1	1	1	1	2	2	2	2
Rank			Two Rows								
Working Pressure			1.8MPa								
Coil Type			Copper Tube With Hydrophilic Aluminum Fins								
Fan Type			ABS centrifugal forward multi-vane type								
Motor Type			Single-Phase Capacitor Type								
Inlet And Outlet Pipe Diameter			Rc 3/4"								
Condensate Tray Configuration			One-Time Stamping Forming								
Condensate Pan Outlet Pipe			R 3/4"								
Accessory			Filter, Thermostat, Electric Heating, Special Water Tray								

Remarks:
1. The parameters of cold,heat,water volume and water resistance are high gear parameters.
2. Refrigeration condition:inlet air dry wet bulb temperature dB/WB:27/19.5°C,chilled water inlet and outlet temperature:7/12°C.
3. Heating condition:inlet air dry bulb temperature DB:21°C,hot water inlet temperature 60°C,water flow is the same as refrigeration condition.

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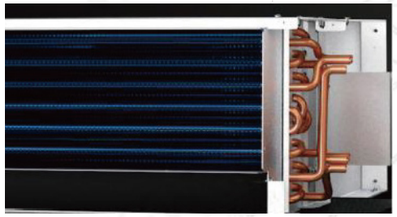
Horizontal Concealed Fan Coil Unit

Galvanized steel shell / unique pipe clamp design.
Low noise fan / pure copper tube has high heat exchange efficiency.
Thickened condensate pan.



Two tubes/3 Rows/Metal tooling type fan coil (30Pa/Back bellows)

FP series fan coil air conditioner is mainly composed of fan,motor heat exchanger (coil), condensate pan,shell and controller.
It is suitable for centralized air conditioning system.





Two tubes/3 Rows/Metal tooling type fan coil (30Pa/Back bellows)



Two tubes/3 Rows/Metal tooling type fan coil (30Pa/Back bellows)

Technical Specifications

Model			FP-34	FP-51	FP-68	FP-85	FP-102	FP-136	FP-170	FP-204	14
Three Rows large temperature differential application	Airflow Volume (CMH)	H	340	510	680	850	1020	1360	1700	2040	2380
		M	280	410	550	690	830	1100	1360	1630	1900
		L	180	270	350	440	520	690	860	1020	1190
	Common Application	Cooling Capacity (KW)	2.21	3.16	4.17	5.06	6.1	8	9.3	11.1	13
		Thermal Energy (KW)	3.5	5.2	6.7	8.12	9.7	13	15.5	18	20.8
		Water Flow Rate (L/s)	0.11	0.15	0.2	0.25	0.3	0.39	0.45	0.53	0.63
		Water Resistance (KPa)	25	24	25	30	40	35	35	40	50
	large temperature differential application	Cooling Capacity (KW)	2.16	3.01	3.9	4.79	5.91	7.98	9.85	11.31	13.29
		Thermal Energy (KW)	3.37	4.84	6.32	7.56	9.16	12.27	14.92	17.15	19.95
		Water Flow Rate (L/s)	0.06	0.09	0.12	0.14	0.18	0.24	0.29	0.34	0.4
		Water Resistance (KPa)	10	11	10	14	16	33	36	35	50
	Power (W)	30Pa	41	55	71	87	108	150	174	212	253
	Noise (dBA)	30Pa	37.5	39	41	42.5	45.5	45.5	48	50	51.5
	N.W. (W)	Kg	11	14	15	17	20	27	31	34	36
Number of Motors			1	1	1	1	1	2	2	2	2
Rank			Three Rows								
Working Pressure			1.8MPa								
Coil Type			Copper Tube With Hydrophilic Aluminum Fins								
Fan Type			Metal Centrifugal Forward Multi-Blade Type								
Motor Type			Single-Phase Capacitor Type								
Inlet And Outlet Pipe Diameter			Rc 3/4"								
Condensate Tray Configuration			One-Time Stamping Forming, Surface Electrostatic Spraying								
Condensate Pan Outlet Pipe			R 3/4"								
Accessory			Return Air Duct, Filter, Temperature Controller, Electric Heating, Special Water Tray								

Remarks:
1. The parameters of cold,heat,water volume and water resistance are high gear parameters.
2. Refrigeration condition:inlet air dry wet bulb temperature dB/WB:27/19.5°C,chilled water inlet and outlet temperature:7/12°C.
3. Heating condition:inlet air dry bulb temperature DB:21°C,hot water inlet temperature 60°C,water flow is the same as refrigeration condition.

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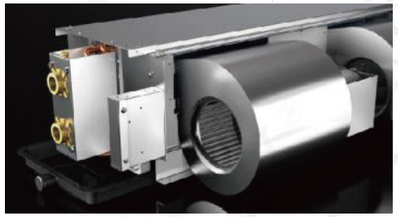
Horizontal Concealed Fan Coil Unit

Galvanized steel shell / unique pipe clamp design.
Low noise fan / pure copper tube has high heat exchange efficiency.
Thickened condensate pan.



Two tubes/3 Rows/Metal tooling type fan coil (50Pa)

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It is suitable for centralized air conditioning system.





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Two tubes/3 Rows/Metal tooling type fan coil (50Pa)



Two tubes/3 Rows/Metal tooling type fan coil (50Pa)

Technical Specifications

Model			FP-34	FP-51	FP-68	FP-85	FP-102	FP-136	FP-170	FP-204	FP-238
Three Rows	Airflow Volume (CMH)	H	340	510	680	850	1020	1360	1700	2040	2380
		M	280	410	550	690	830	1100	1360	1630	1900
		L	180	270	350	440	520	690	860	1020	1190
	Common Application	Cooling Capacity (KW)	2.21	3.16	4.17	5.06	6.1	8	9.3	11.1	13
		Thermal Energy (KW)	3.5	5.2	6.7	8.12	9.7	13	15.5	18	20.8
		Water Flow Rate (L/s)	0.11	0.15	0.2	0.25	0.3	0.39	0.45	0.53	0.63
		Water Resistance (KPa)	25	24	25	30	40	35	35	40	50
	large temperature differential application	Cooling Capacity (KW)	2.16	3.01	3.9	4.79	5.91	7.98	9.85	11.31	13.29
		Thermal Energy (KW)	3.37	4.84	6.32	7.56	9.16	12.27	14.92	17.15	19.95
		Water Flow Rate (L/s)	0.06	0.09	0.12	0.14	0.18	0.24	0.29	0.34	0.4
		Water Resistance (KPa)	10	11	10	14	16	33	36	35	50
	Power (W)	50Pa	48	64	84	99	118	164	210	230	290
	Noise (dBA)	50Pa	41	42.5	45	47	48	49	51	52	54
	N.W. (W)	Kg	11	14	15	17	20	27	31	34	36
	Number of Motors		1	1	1	1	1	2	2	2	2
Rank			Three Rows								
Working Pressure			1.8MPa								
Coil Type			Copper Tube With Hydrophilic Aluminum Fins								
Fan Type			Metal Centrifugal Forward Multi-Blade Type								
Motor Type			Single-Phase Capacitor Type								
Inlet And Outlet Pipe Diameter			Rc 3/4"								
Condensate Tray Configuration			One-Time Stamping Forming, Surface Electrostatic Spraying								
Condensate Pan Outlet Pipe			R 3/4"								
Accessory			Filter, Thermostat, Electric Heating, Special Water Tray								

Remarks:
1. The parameters of cold,heat,water volume and water resistance are high gear parameters.
2. Refrigeration condition:inlet air dry wet bulb temperature dB/WB:27/19.5°C,chilled water inlet and outlet temperature:7/12°C.
3. Heating condition:inlet air dry bulb temperature DB:21°C,hot water inlet temperature 60°C,water flow is the same as refrigeration condition.

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Horizontal Concealed Fan Coil Unit

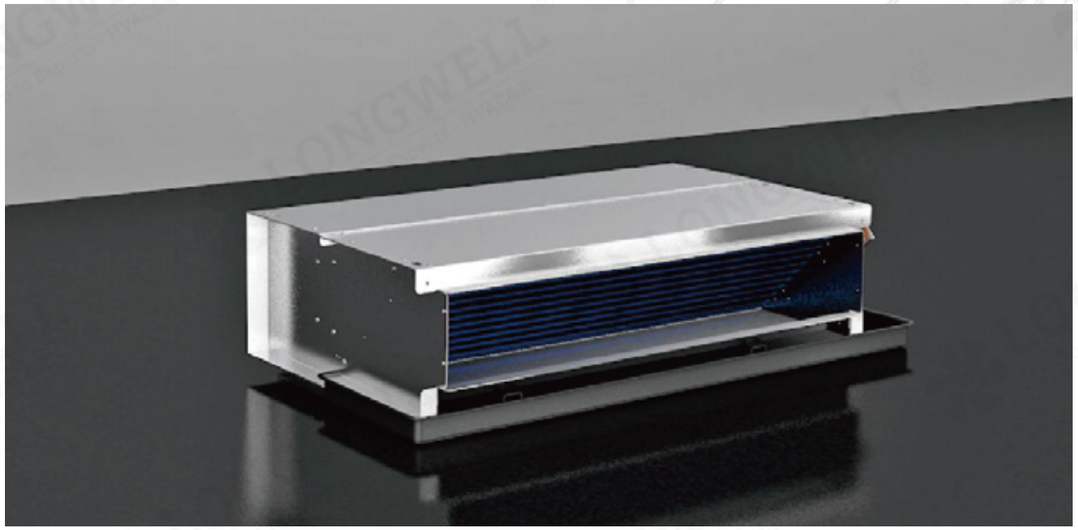
Galvanized steel shell / unique pipe clamp design.
Low noise fan / pure copper tube has high heat exchange efficiency.
Thickened condensate pan.



Ultra-Thin concealed fan coil unit

Using the latest low noise control technology and V heat exchanger,combined with the newly developed hydrophilic film window and advanced manufacturing technology.Can meet the family users on the decoration ceiling style and the height of the floor,as well as the noise and comfort of the strict requirements,is the first choice of modern high-end residential design.





Horizontal Concealed Fan Coil Unit

Galvanized steel shell / unique pipe clamp design.
Low noise fan / pure copper tube has high heat exchange efficiency.
Thickened condensate pan.



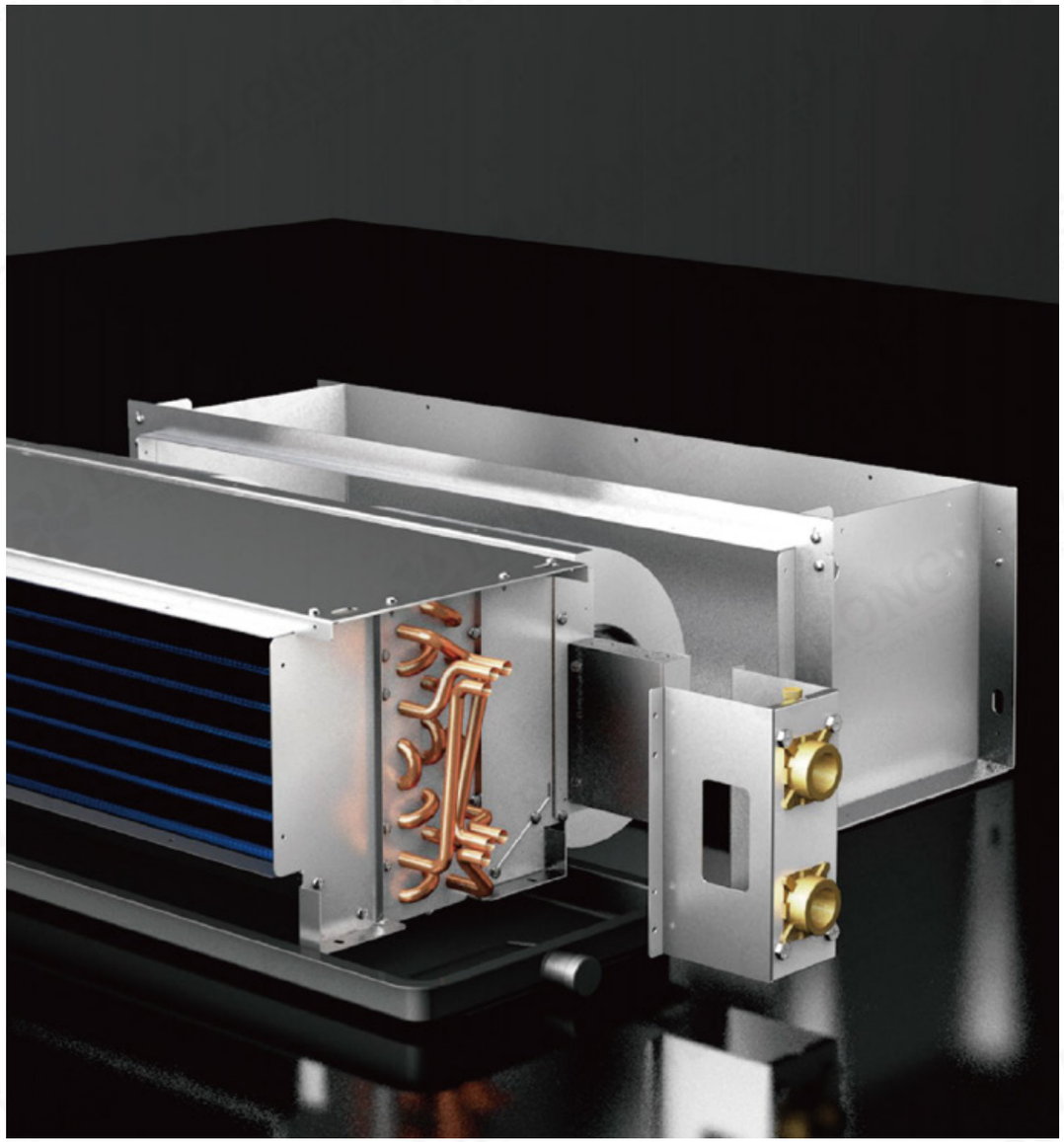
Two tubes/3 Rows/Metal tooling type fan coil (50Pa/Back bellows)

FP series fan coil air conditioner is mainly composed of fan,motor heat exchanger (coil), condensate pan,shell and controller.
It is suitable for centralized air conditioning system.





Two tubes/3 Rows/Metal tooling type fan coil (50Pa/Back bellows)



Two tubes/3 Rows/Metal tooling type fan coil (50Pa/Back bellows)

Technical Specifications

Model			FP-34	FP-51	FP-68	FP-85	FP-102	FP-136	FP-170	FP-204	FP-238
Three Rows	Airflow Volume (CMH)	H	340	510	680	850	1020	1360	1700	2040	2380
		M	280	410	550	690	830	1100	1360	1630	1900
		L	180	270	350	440	520	690	860	1020	1190
	Common Application	Cooling Capacity (KW)	2.21	3.16	4.17	5.06	6.1	8	9.3	11.1	13
		Thermal Energy (KW)	3.5	5.2	6.7	8.12	9.7	13	15.5	18	20.8
		Water Flow Rate (L/s)	0.11	0.15	0.2	0.25	0.3	0.39	0.45	0.53	0.63
		Water Resistance (KPa)	25	24	25	30	40	35	35	40	50
	large temperature differential application	Cooling Capacity (KW)	2.16	3.01	3.9	4.79	5.91	7.98	9.85	11.31	13.29
		Thermal Energy (KW)	3.37	4.84	6.32	7.56	9.16	12.27	14.92	17.15	19.95
		Water Flow Rate (L/s)	0.06	0.09	0.12	0.14	0.18	0.24	0.29	0.34	0.4
		Water Resistance (KPa)	10	11	10	14	16	33	36	35	50
	Power (w)	50Pa	48	64	84	99	118	164	210	230	290
	Noise (dBA)	50Pa	40	41.5	44	46	47	48.5	50	51	52.5
	N.W. (W)	Kg	11	14	15	17	20	27	31	34	36
Number of Motors			1	1	1	1	1	2	2	2	2
Number of Cylinders			Three Rows								
Working Pressure			1.8mpa								
Coil Type			Copper Tube With Hydrophilic Aluminum Fins								
Fan Type			Metal Centrifugal Forward Multi-Blade Type								
Motor Type			Single-Phase Capacitor Type								
Inlet And Outlet Pipe Diameter			Rc 3/4"								
Condensate Tray Configuration			One-Time Stamping Forming, Surface Electrostatic Spraying								
Condensate Pan Outlet Pipe			R 3/4"								
Accessory			Return Air Duct, Filter, Temperature Controller, Electric Heating, Special Water Tray								

Remarks:
1. The parameters of cold,heat,water volume and water resistance are high gear parameters.
2. Refrigeration condition:inlet air dry wet bulb temperature dB/WB:27/19.5°C,chilled water inlet and outlet temperature:7/12°C.
3. Heating condition:inlet air dry bulb temperature DB:21°C,hot water inlet temperature 60°C,water flow is the same as refrigeration condition.

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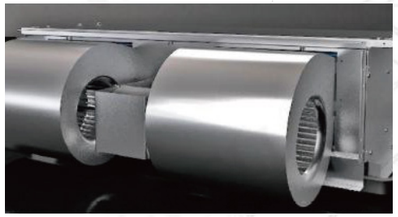
Horizontal Concealed Fan Coil Unit

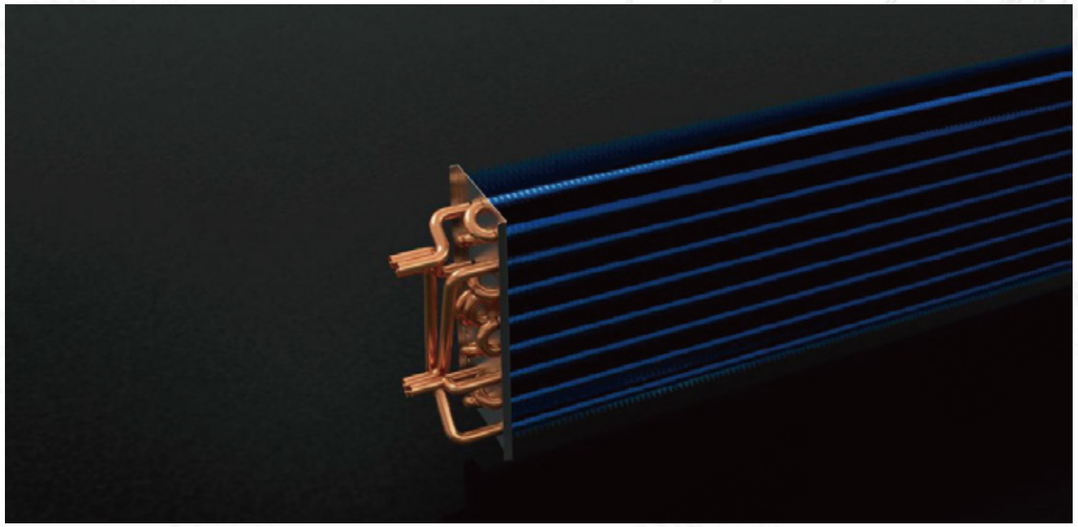
Galvanized steel shell / unique pipe clamp design.
Low noise fan / pure copper tube has high heat exchange efficiency.
Thickened condensate pan.



Two tubes/3 Rows/Metal tooling type fan coil (90Pa/Back bellows)

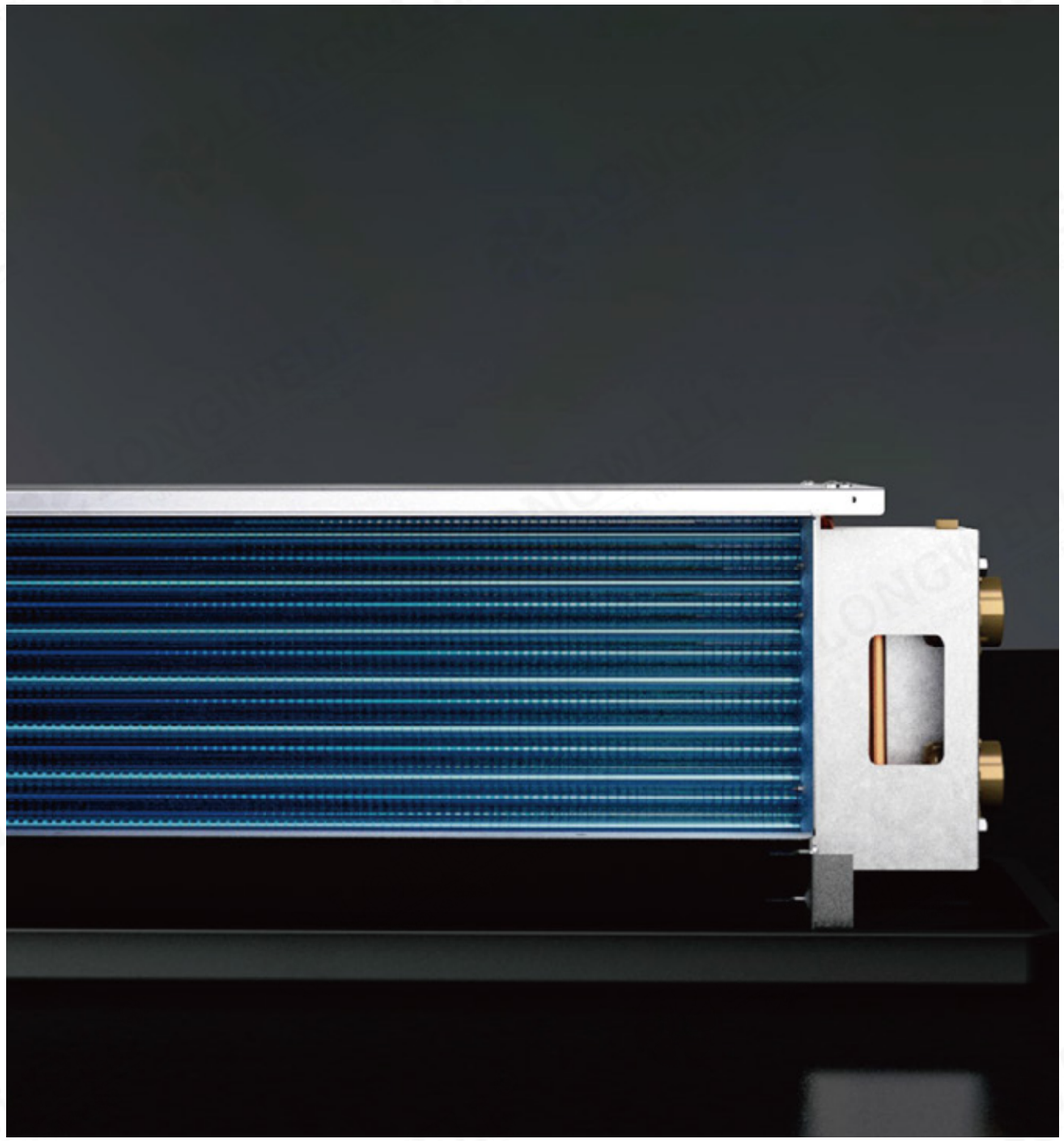
FP series fan coil air conditioner is mainly composed of fan,motor heat exchanger (coil), condensate pan,shell and controller.
It is suitable for centralized air conditioning system.





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Two tubes/3 Rows/Metal tooling type fan coil (90Pa)



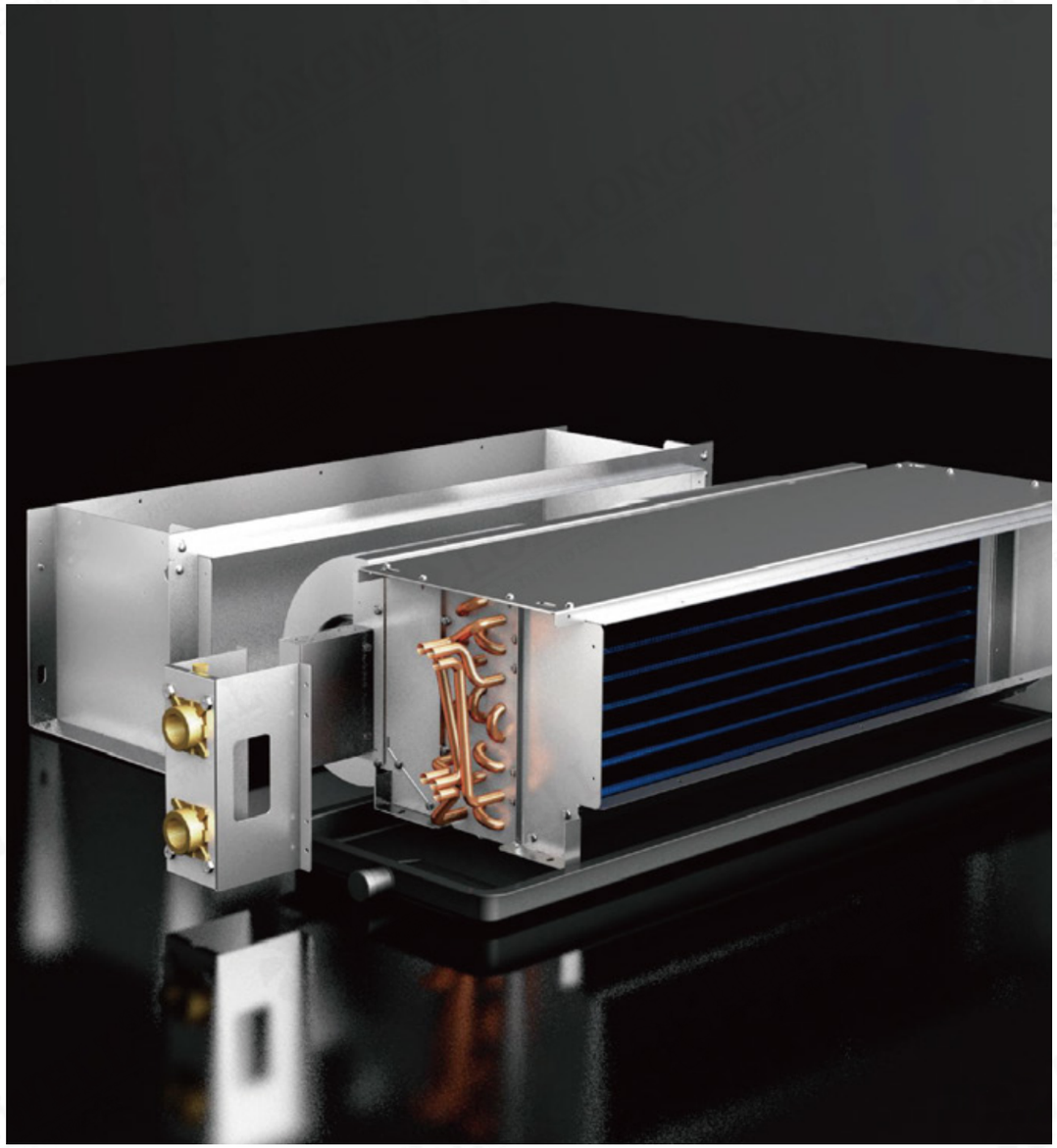
Two tubes/3 Rows/Metal tooling type fan coil (90Pa/Back bellows)

Technical Specifications

Model			2	3	4	5	6	8	10	12	14
Three Rows	Airflow Volume (CMH)	H	340	510	680	850	1020	1360	1700	2040	2380
		M	280	410	550	690	830	1100	1360	1630	1900
		L	180	270	350	440	520	690	860	1020	1190
	Common Application	Cooling Capacity (KW)	2.21	3.16	4.17	5.06	6.1	8	9.3	11.1	13
		Thermal Energy (KW)	3.5	5.2	6.7	8.12	9.7	13	15.5	18	20.8
		Water Flow Rate (L/s)	0.11	0.15	0.2	0.25	0.3	0.39	0.45	0.53	0.63
		Water Resistance (KPa)	25	24	25	30	40	35	35	40	50
	large temperature differential application	Cooling Capacity (KW)	2.16	3.01	3.9	4.79	5.91	7.98	9.85	11.31	13.29
		Thermal Energy (KW)	3.37	4.84	6.32	7.56	9.16	12.27	14.92	17.15	19.95
		Water Flow Rate (L/s)	0.06	0.09	0.12	0.14	0.18	0.24	0.29	0.34	0.4
		Water Resistance (KPa)	10	11	10	14	16	33	36	35	50
	Power (W)	90Pa	58	77	98	117	138	203	230	306	378
	Noise (dBA)	90Pa	44	46	48	49	51	53	53	54	58
	N.W. (W)	Kg	11	14	15	17	20	27	31	34	36
Number of Motors			1	1	1	1	1	2	2	2	2
Number of Cylinders			Three Rows								
Working Pressure			1.8MPa								
Coil Type			Copper Tube With Hydrophilic Aluminum Fins								
Fan Type			Metal Centrifugal Forward Multi-Blade Type								
Motor Type			Single-Phase Capacitor Type								
Inlet And Outlet Pipe Diameter			Rc 3/4"								
Condensate Tray Configuration			One-Time Stamping Forming, Surface Electrostatic Spraying								
Condensate Pan Outlet Pipe			R 3/4"								
Accessory			Filter, Temperature Controller, Electric Heating, Special Water Tray								

Remarks:
1. The parameters of cold,heat,water volume and water resistance are high gear parameters.
2. Refrigeration condition:inlet air dry wet bulb temperature dB/WB:27/19.5°C,chilled water inlet and outlet temperature:7/12°C.
3. Heating condition:inlet air dry bulb temperature DB:21°C,hot water inlet temperature 60°C,water flow is the same as refrigeration condition.

Two tubes/3 Rows/Metal tooling type fan coil (90Pa/Back bellows)



Two tubes/3 Rows/Metal tooling type fan coil (90Pa/Back bellows)

Technical Specifications

Model			FP-34	FP-51	FP-68	FP-85	FP-102	FP-136	FP-170	FP-204	FP-238
Three Rows	Airflow Volume (CMH)	High Speed	340	510	680	850	1020	1360	1700	2040	2380
		Medium Speed	280	410	550	690	830	1100	1360	1630	1900
		Low Speed	180	270	350	440	520	690	860	1020	1190
	Common Application	Cooling Capacity (KW)	2.21	3.16	4.17	5.06	6.1	8	9.3	11.1	13
		Thermal Energy (KW)	3.5	5.2	6.7	8.12	9.7	13	15.5	18	20.8
		Water Flow Rate (L/s)	0.11	0.15	0.2	0.25	0.3	0.39	0.45	0.53	0.63
		Water Resistance (KPa)	25	24	25	30	40	35	35	40	50
	large temperature differential application	Cooling Capacity (KW)	2.16	3.01	3.9	4.79	5.91	7.98	9.85	11.31	13.29
		Thermal Energy (KW)	3.37	4.84	6.32	7.56	9.16	12.27	14.92	17.15	19.95
		Water Flow Rate (L/s)	0.06	0.09	0.12	0.14	0.18	0.24	0.29	0.34	0.4
		Water Resistance (KPa)	10	11	10	14	16	33	36	35	50
	Power (W)	90Pa	58	77	98	117	138	203	230	306	378
	Noise (dBA)	90Pa	44	46	48	49	51	53	53	54	58
	N.W. (W)	Kg	11	14	15	17	20	27	31	34	36
Number of Motors			1	1	1	1	1	2	2	2	2
Number of Cylinders			Three Rows								
Working Pressure			1.8MPa								
Coil Type			Copper Tube With Hydrophilic Aluminum Fins								
Fan Type			Metal Centrifugal Forward Multi-Blade Type								
Motor Type			Single-Phase Capacitor Type								
Inlet And Outlet Pipe Diameter			Rc 3/4"								
Condensate Tray Configuration			One-Time Stamping Forming, Surface Electrostatic Spraying								
Condensate Pan Outlet Pipe			R 3/4"								
Accessory			Return Air Duct, Filter, Temperature Controller, Electric Heating, Special Water Tray								

Remarks:
1. The parameters of cold,heat,water volume and water resistance are high gear parameters.
2. Refrigeration condition:inlet air dry wet bulb temperature dB/WB:27/19.5°C,chilled water inlet and outlet temperature:7/12°C.
3. Heating condition:inlet air dry bulb temperature DB:21°C,hot water inlet temperature 60°C,water flow is the same as refrigeration condition.

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Horizontal Concealed Fan Coil Unit

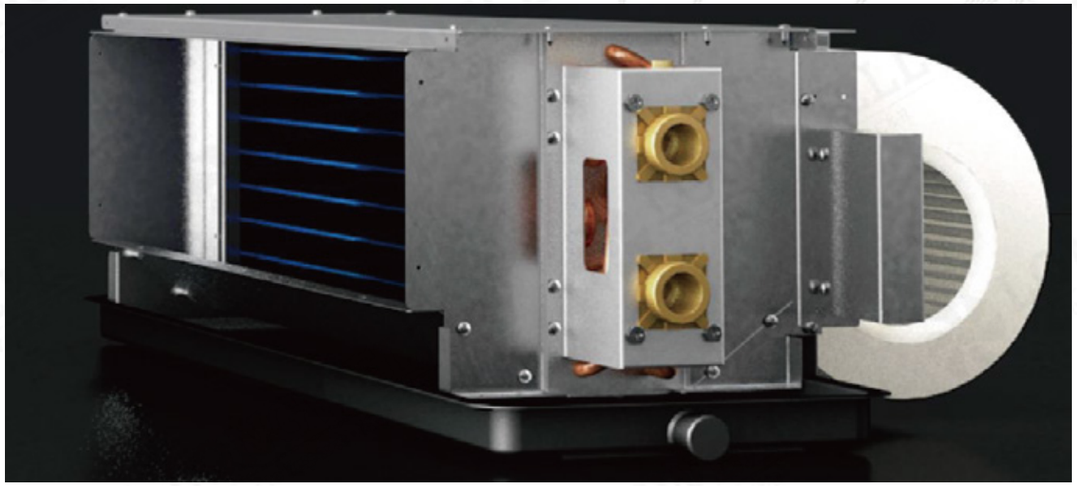
Galvanized steel shell / unique pipe clamp design.
Low noise fan / pure copper tube has high heat exchange efficiency.
Thickened condensate pan.



Two tubes/3 Rows/Metal tooling type fan coil (90Pa/Back bellows)

FP series fan coil air conditioner is mainly composed of fan,motor heat exchanger (coil), condensate pan,shell and controller.
It is suitable for centralized air conditioning system.





Two tubes/3 Rows/ABS Home installed fan coil unit (AC)

Technical Specifications

Model				FHCS-34	FHCS-51	FHCS-68	FHCS-85	FHCS-102	FHCS-136	FHCS-170
Airflow Volume (CMH)			H	340	510	680	850	1020	1360	1700
			M	270	406	540	670	800	1088	1360
			L	180	270	360	450	530	870	1088
Rated Cooling Capacity(Kw)			Total Heat Capacity	2.4	3.4	4.1	5	6	8.2	10.2
			Sensible Heat Capacity	1.67	2.42	3	3.6	4.38	6.56	8.16
Rated Heat Output			KW	3.6	5.2	6.7	8.3	9.8	13.38	15.38
Current	12Pa	A	H	0.11	0.2	0.24	0.27	0.32	0.55	0.64
Power	12Pa	W	HM/L	23/15/12	43/26/21	53/44/28	57/47/33	79/63/39	80/63/42	80/63/42
Noise	12Pa	dB(A)	HM/L	26/23/20	32.5/27/20.5	38.5/34/24	38.5/36.5/24	42/36/27	42/36/27	42/36/27
Number Of Copper Tube Rows				3	3	3	3	3	3	3
Maximum Working Pressure				1.8MPa						
Coil Type				High-Grade Copper Tube With Aluminum Fins						
Fan	Type			ABS Centrifugal Forward Multi-Wing Type						
	Quantity			2	2	2	2	3	3	3
Motor	Type			Low Noise, High Precision Ball Bearing Single-Phase Capacitor Type						
	Quantity			1	1	1	1	1	2	2
	IP Rating			IP20						
	Insulation Class			Class B						
Condensate Tray Type				EPS Vacuum Formed Water Tray						
Inlet And Outlet Pipe Diameter				Rc 3/4"						
Condensate Tray Diameter				DN20						
N.W. (Kg)				17	17	20	23	23	24	26
Accessory				Filter Mesh, Temperature Controller						

Remarks:
1. The parameters of cold,heat,water volume and water resistance are high gear parameters.
2. Refrigeration condition:inlet air dry wet bulb temperature dB/WB:27/19.5°C,chilled water inlet and outlet temperature:7/12°C.
3. Heating condition:inlet air dry bulb temperature DB:21°C,hot water inlet temperature 60°C,water flow is the same as refrigeration condition.

Two tubes/3 Rows/ABS Home installed fan coil unit (DC)

Technical Specifications

Model				FHCS-34	FHCS-51	FHCS-68	FHCS-85	FHCS-102	FHCS-136	FHCS-170
Airflow Volume (CMH)			H	340	510	680	850	1020	1360	1700
			M	270	406	540	670	800	1088	1360
			L	180	270	360	450	530	870	1088
Rated Cooling Capacity(Kw)			Total Heat Capacity	2.4	3.4	4.1	5	6	8.2	10.2
			Sensible Heat Capacity	1.67	2.42	3	3.6	4.38	6.56	8.16
Rated Heat Output			KW	3.6	5.2	6.7	8.3	9.8	13.38	15.38
Current	12Pa	A	H	0.11	0.2	0.24	0.27	0.32	0.55	0.64
Power	12Pa	W	HM/L	23/15/12	43/26/21	53/44/28	57/47/33	79/63/39	80/63/42	80/63/42
Noise	12Pa	dB(A)	HM/L	26/23/20	32.5/27/20.5	38.5/34/24	38.5/36.5/24	42/36/27	42/36/27	42/36/27
Number Of Copper Tube Rows				3	3	3	3	3	3	3
Maximum Working Pressure				1.8MPa						
Coil Type				High-Grade Copper Tube With Aluminum Fins						
Fan	Type			ABS Centrifugal Forward Multi-Wing Type						
	Quantity			2	2	2	2	3	3	3
Motor	Type			Low Noise, High Precision Ball Bearing Dc Brushless Type						
	Quantity			1	1	1	1	1	2	2
	IP Rating			IP20						
	Insulation Class			Class B						
Condensate Tray Type				EPS Vacuum Formed Water Tray						
Inlet And Outlet Pipe Diameter				Rc 3/4"						
Condensate Tray Diameter				DN20						
N.W. (Kg)				17	17	20	23	23	24	26
Accessory				Filter Mesh, Temperature Controller						

Remarks:
1. The parameters of cold,heat,water volume and water resistance are high gear parameters.
2. Refrigeration condition:inlet air dry wet bulb temperature dB/WB:27/19.5°C,chilled water inlet and outlet temperature:7/12°C.
3. Heating condition:inlet air dry bulb temperature DB:21°C,hot water inlet temperature 60°C,water flow is the same as refrigeration condition.

Two tubes/3 Rows /ABS Home installed fan coil unit (DC,With lifting pump)

Technical Specifications

Model			FHCS-34	FHCS-51	FHCS-68	FHCS-85	FHCS-102	FHCS-136
Airflow Volume (CMH)		H	340	510	680	850	1020	1360
		M	270	406	540	670	800	1088
		L	180	270	360	450	530	870
Rated Cooling Capacity(Kw)		Total Heat Capacity	2.4	3.4	4.1	5	6	8.2
		Sensible Heat Capacity	1.67	2.42	3	3.6	4.38	6.56
Rated Heat Output		KW	3.6	5.2	6.7	8.3	9.8	13.38
Current	12Pa	A H	0.11	0.2	0.24	0.27	0.32	0.55
Power	12Pa	W HM/L	23/15/12	43/26/21	53/44/28	57/47/33	79/63/39	80/63/42
Noise	12Pa	dB(A) HM/L	26/23/20	32.5/27/20.5	38.5/34/24	38.5/36.5/24	42/36/27	42/36/27
Number Of Copper Tube Rows			3	3	3	3	3	3
Maximum Working Pressure			1.8MPa					
Coil Type			High-Grade Copper Tube With Aluminum Fins					
Fan	Type		Centrifugal Forward Multi-Wing Type					
	Quantity		2	2	2	2	3	3
Motor	Type		Low Noise, High Precision Ball Bearing Dc Brushless Type					
	Quantity		1	1	1	1	1	2
	IP Rating		IP20					
	Insulation Class		Class B					
Condensate Tray Type			EPS Vacuum Formed Water Tray					
Inlet And Outlet Pipe Diameter			Rc 3/4"					
Condensate Tray Diameter			DN20					
N.W. (Kg)			17	17	20	23	23	24
Accessory			Lift Pump, Filter Mesh, Temperature Controller					

Remarks:
1. The parameters of cold,heat,water volume and water resistance are high gear parameters.
2. Refrigeration condition:inlet air dry wet bulb temperature dB/WB:27/19.5°C,chilled water inlet and outlet temperature:7/12°C.
3. Heating condition:inlet air dry bulb temperature DB:21°C,hot water inlet temperature 60°C,water flow is the same as refrigeration condition.

Two tubes/3 Rows/ABS Home installed fan coil unit (DC)

Technical Specifications

Model			FHCS-34	FHCS-51	FHCS-68	FHCS-85	FHCS-102	FHCS-136
Airflow Volume (CMH)		H	340	510	680	850	1020	1360
		M	270	406	540	670	800	1088
		L	180	270	360	450	530	870
Rated Cooling Capacity(Kw)		Total Heat Capacity	2.4	3.4	4.1	5	6	8.2
		Sensible Heat Capacity	1.67	2.42	3	3.6	4.38	6.56
Rated Heat Output		KW	3.6	5.2	6.7	8.3	9.8	13.38
Current	12Pa	A H	0.11	0.2	0.24	0.27	0.32	0.55
Power	12Pa	W HM/L	23/15/12	43/26/21	53/44/28	57/47/33	79/63/39	80/63/42
Noise	12Pa	dB(A) HM/L	26/23/20	32.5/27/20.5	38.5/34/24	38.5/36.5/24	42/36/27	42/36/27
Number Of Copper Tube Rows			3	3	3	3	3	3
Maximum Working Pressure			1.8MPa					
Coil Type			High-Grade Copper Tube With Aluminum Fins					
Fan	Type		Centrifugal Forward Multi-Wing Type					
	Quantity		2	2	2	2	3	3
Motor	Type		Low Noise, High Precision Ball Bearing Dc Brushless Type					
	Quantity		1	1	1	1	1	2
	IP Rating		IP20					
	Insulation Class		Class B					
Condensate Tray Type			EPS Vacuum Formed Water Tray					
Inlet And Outlet Pipe Diameter			Rc 3/4"					
Condensate Tray Diameter			DN20					
N.W. (Kg)			17	17	20	23	23	24
Accessory			Filter Mesh, Temperature Controller					

Remarks:
1. The parameters of cold,heat,water volume and water resistance are high gear parameters.
2. Refrigeration condition:inlet air dry wet bulb temperature dB/WB:27/19.5°C,chilled water inlet and outlet temperature:7/12°C.
3. Heating condition:inlet air dry bulb temperature DB:21°C,hot water inlet temperature 60°C,water flow is the same as refrigeration condition.

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Horizontal Concealed Fan Coil Unit

Galvanized steel shell / unique pipe clamp design.
Low noise fan / pure copper tube has high heat exchange efficiency.
Thickened condensate pan.



Cartridge fan coil unit

FP series fan coil air conditioner is mainly composed of fan,motor heat exchanger (coil), condensate pan,shell and controller.
It is suitable for centralized air conditioning system.





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Card type fan coil (Four-Way air supply)



Card type fan coil

Technical Specifications

Model		FP-34	FP-51	FP-68	FP-85	FP-102	FP-136	FP-170	FP-204	FP-238
Airflow Volume (CMH)	H	340	510	680	850	1020	1360	1700	2040	2380
	M	250	420	580	700	740	1150	1400	1650	2000
	L	125	210	420	520	620	840	1050	1250	1480
Rated Cooling Capacity	KW	2400	3000	3800	4900	5800	7000	9800	11000	12000
Rated Heat Output	KW	3500	4700	5900	7600	9000	10900	15200	17100	18600
Wind Turbine Design		Centrifugal Impeller								
Noise	dB(A)	33/31/28	36/33/31	39/38/34	45/43/41	45/43/41	47/42/36	50/47/42	50/47/42	50/47/42
Motor Configuration	30Pa	Three-Speed, Low-Noise Capacitor Motor								
Number Of Motors		1	1	1	1	1	1	1	1	1
Power Supply		220V-50Hz								
Power	W	36	36	36	60	66	90	124	180	225
Coil	Format	Copper tube wrapped with corrugated arc-shaped slit aluminum fins, coated with highly efficient anti-corrosion and hydrophilic surface								
	Working Pressure	1.6Mpa								
Take Over		Inlet Pipe, Outlet Pipe (3/4 Tapered Pipe Internal Thread)								
Water Resistance (Kpa)		20	20	20	25	25	26	30	35	40
Drainage Pipe Size		Φ26								
Panel Dimensions (mm)		650×650×30			950×950×66					
Unit Dimensions (mm)		585×585×250			840×840×225			840×840×290		
N.W. (Kg)		21	23	23	24	27	27	30	30	30

Remarks:
1. The parameters of cold,heat,water volume and water resistance are high gear parameters.
2. Refrigeration condition:inlet air dry wet bulb temperature dB/WB:27/19.5°C,chilled water inlet and outlet temperature:7/12°C.
3. Heating condition:inlet air dry bulb temperature DB:21°C,hot water inlet temperature 60°C,water flow is the same as refrigeration condition.

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Horizontal Concealed Fan Coil Unit

The height of the unit is low, the installation space is saved, and the installation requirements of various occasions are met.
Galvanized steel shell / unique pipe clamp design.
Low noise fan / pure copper tube has high heat exchange efficiency.
Thickened condensate pan.



Ultra-Thin concealed fan coil

It adopts advanced low noise fan manufacturing technology and advanced wide slot fin technology. A new generation product with ultra-low noise. super high efficiency, easy to use and compact structure has been developed.



