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Longwell Technology Ventilation Equipment

—— Cassette Type Fan Coil Unit



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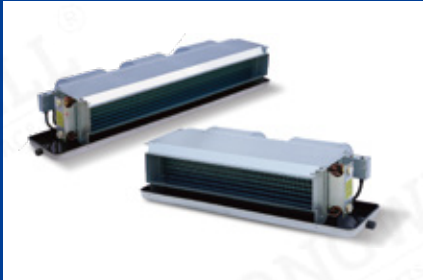
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Ningbo Longwell Electric Technology Co., Ltd



Fan Coil Unit



Combined Air Conditioner



Air Source Heat Pump Unit



Screw-Type Air-Cooled Chiller
Heat Pump Unit



Precision Constant
Temperature and Humidity Unit



Rooftop Air Conditioning Unit



Screw-Type Water-Cooled
Chiller Unit



Water and Ground Source
Heat Pump Unit



Cabinet Air Handling
Unit--Suspended Ceiling



Air Handling Unit-Horizontal



Remote Jet Unit



Air Handling Unit-Vertical

CATALOGUE

01 Type Code

02 Product Features

03-04 Technical Specifications

Type Code

LW FP - 34 K M - 01

Serial number

Installation method

A-Concealed installation
M-Exposed installation

Structural form

W-Horizontal L-Vertical K-Cassette

Air volume $\times 10\text{m}^3/\text{h}$

FP-Fan coil unit

LW-Longwell

Cassette Type Fan Coil Unit

Professional HVAC Fan & Motors Manufacturer



Parameters of Cassette Exposed Fan Coil Unit
(With condensate water lift pump, two-pipe system)

Model	LWFP-	34KM-01	51KM-01	68KM-01	85KM-01	102KM-01	136KM-01	170KM-01	204KM-01	238KM-01
Rated Airflow(m³/h)	H	340	510	680	850	1020	1360	1700	2040	2380
	M	260	390	510	640	770	1020	1280	1530	1790
	L	170	260	340	430	510	680	850	1020	1190
Rated Cooling Capacity	W	H	2000	2700	3700	4500	5600	7000	10800	12600
	Kcal/h	H	1720	2322	3182	3870	4816	6020	9288	10836
Rated Heating Capacity	W	H	2800	4200	5600	7000	8400	11200	16700	19500
	Kcal/h	H	2408	3612	4816	6020	7224	9632	14362	16770
Input Power(W)		46	50	55	66	75	123	138	189	215
Noise(dBA)		37	38	41	43	45	46	48	50	52
Fan	Type	Centrifugal wind wheel								
	Quantity	1	1	1	1	1	1	1	1	1
Motor	Type	Capacitor-run asynchronous motor (220V/50Hz, Protection level IP20, Insulation class B)								
	Quantity	1	1	1	1	1	1	1	1	1
Heat Exchanger	Structural Form	Purple copper tube in series with aluminum fin (louver type), mechanical expansion tube								
Lift Pump	Head	700mm								
Control Mode	Safety Protection	Remote control (wire control)								
Water Quantity(kg/h)		344	464	636	774	963	1204	1565	1857	2167
Water Pressure Loss(KPa)		≤30	≤30	≤30	≤30	≤40	≤40	≤40	≤40	≤50
Gross Weight(kg)		20	20	20	27.5	28	28	35.5	36.5	36.5
Inlet and Outlet Pipes		3/4" Internal thread								
Condensate Pipe		Φ20								
Power Supply		220V/50Hz								

Remarks:

- Cooling supply: Inlet and outlet water temperatures are 7°C/12°C, inlet air dry bulb temperature DB27.0°C, and wet bulb temperature WB19.5°C.
- Heating supply: Inlet water temperature is 60°C, water flow rate is the same as that during cooling supply, and inlet air dry bulb temperature DB21.0°C.
- The noise in the table is measured in the full anechoic chamber with a background noise of 16.5dB (A) of the unit (in accordance with GB/T19232-2019).
- For low-static pressure units, the outlet static pressure is 0Pa when equipped with air outlets and filters; and 12Pa when not equipped with air outlets and filters.
- The power consumed by the motor load is the input power (also known as the reference working condition consumption), and the power marked on the motor nameplate is the nominal power, that is, the output power of the motor when operating under rated working conditions.
- If the actual operating conditions are different from the standard conditions, please refer to the correction coefficient table data in the sample for correction. Correction method: Actual cooling (heating) capacity = Rated cooling (heating) capacity × Working condition correction coefficient.

Parameters of Cassette Exposed Fan Coil Unit
(Self-draining type, two-pipe system)

Model	LWFP-	34KM-02	51KM-02	68KM-02	85KM-02	102KM-02	136KM-02	170KM-02	204KM-02	238KM-02
Rated Airflow(m³/h)	H	340	510	680	850	1020	1360	1700	2040	2380
	M	260	390	510	640	770	1020	1280	1530	1790
	L	170	260	340	430	510	680	850	1020	1190
Rated Cooling Capacity	W	H	2000	2700	3700	4500	5600	7000	10800	12600
	Kcal/h	H	1720	2322	3182	3870	4816	6020	9288	10836
Rated Heating Capacity	W	H	2800	4200	5600	7000	8400	11200	16700	19500
	Kcal/h	H	2408	3612	4816	6020	7224	9632	14362	16770
Input Power(W)		34	38	43	54	63	111	126	177	203
Noise(dBA)		37	38	41	43	45	46	48	50	52
Fan	Type	Centrifugal wind wheel								
	Quantity	1	1	1	1	1	1	1	1	1
Motor	Type	Capacitor-run asynchronous motor (220V/50Hz, Protection level IP20, Insulation class B)								
	Quantity	1	1	1	1	1	1	1	1	1
Heat Exchanger	Structural Form	Purple copper tube in series with aluminum fin (louver type), mechanical expansion tube								
Water Quantity(kg/h)		344	464	636	774	963	1204	1565	1857	2167
Water Pressure Loss(KPa)		≤30	≤30	≤30	≤30	≤40	≤40	≤40	≤40	≤50
Gross Weight(kg)		20	20	20	27.5	28	28	35.5	36.5	36.5
Inlet and Outlet Pipes		3/4" Internal thread								
Condensate Pipe		Φ20								
Power Supply		220V/50Hz								

Remarks:

- Cooling supply: Inlet and outlet water temperatures are 7°C/12°C, inlet air dry bulb temperature DB27.0°C, and wet bulb temperature WB19.5°C.
- Heating supply: Inlet water temperature is 60°C, water flow rate is the same as that during cooling supply, and inlet air dry bulb temperature DB21.0°C.
- The noise in the table is measured in the full anechoic chamber with a background noise of 16.5dB (A) of the unit (in accordance with GB/T19232-2019).
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- The power consumed by the motor load is the input power (also known as the reference working condition consumption), and the power marked on the motor nameplate is the nominal power, that is, the output power of the motor when operating under rated working conditions.
- If the actual operating conditions are different from the standard conditions, please refer to the correction coefficient table data in the sample for correction. Correction method: Actual cooling (heating) capacity = Rated cooling (heating) capacity × Working condition correction coefficient.