

Super Slim Ceiling Mounted Air Handling Unit *LFPS Series* **LFPS120**

Model Number Configuration

LFPS120-4+1: 4 + 1 Row Super Slim Ceiling Mounted

LFPS120-6+1: 6 + 1 Row Super Slim Ceiling Mounted

PERFORMANCE DATA

RETURN AIR

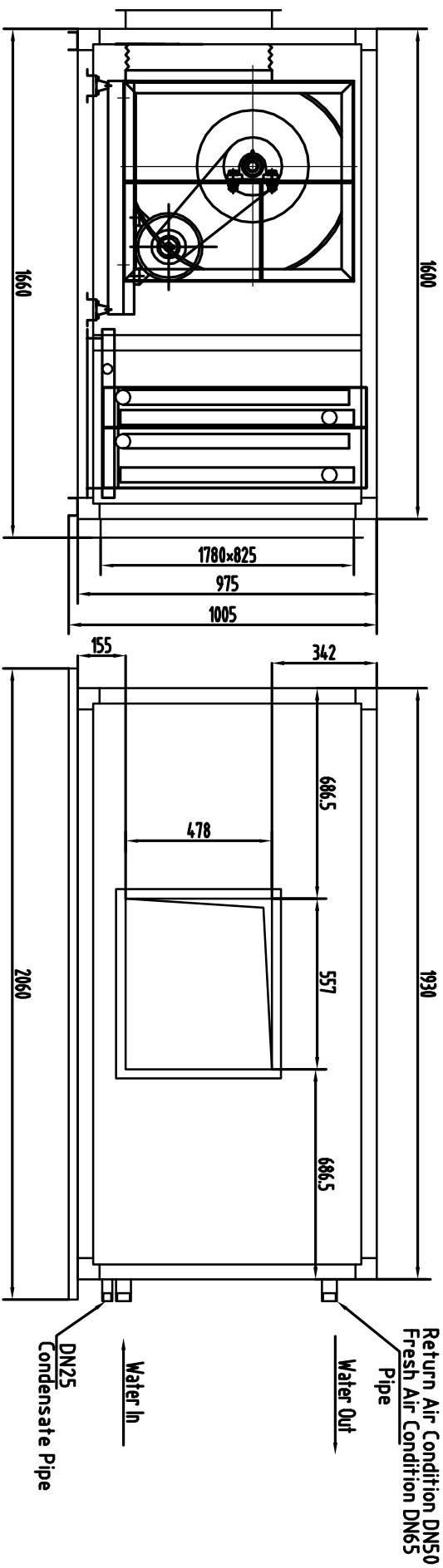
Model	Air Flow	4 Rows Cooling				1 Row Heating			External Excess Pressure			Motor Power			Weight
		Total	Sensible	Water Flow	Water Resistance	Rated Heating	Water Flow	Water Resistance	I	II	III	I	II	III	
		l/s	kW	kW	l/s	kPa	kW	l/s	kPa	Pa	Pa	Pa	kW	kW	
LFPS120-4+1	3333	72.2	51.6	3.5	12.0	44.0	1.1	6.0	200	300	400	3	3	4	359.2
LFPS120-6+1	3333	95.9	63.3	4.6	30.1	44.0	1.1	6.0	200	300	400	3	4	4	385.2

Notes for Return Air:

1. Cooling: The water in/out temp. is 7°C/12°C; the air in temp. is 27°C DB / 19.5°C WB
2. Heating: The water in temp. is 80°C / 50°C; the air in temp. is 21°C DB..
3. The motor power offered is the motor output power.
4. The above performance is for reference only. Different air and water conditions would lead to different cooling capacity.


SPECIFICATION

- **Coil:**
LFPS010W-LFPS 120W : ϕ 9.52mm, copper tube, aluminium fins
LFPS135W-LFPS 300W: ϕ 12.7mm, copper tube, aluminium fins
- **Fan and motor:**
LFPS 010W-LFPS025W: direct driven, forward curved centrifugal fan|
LFPS 030W-LFPS 300W: belt driven, forward curved centrifugal fan
- **Filter: 15mm panel filter**
- **Cabinet: 25mm thick double skinned panel**
- **Drip-tray: powder painting steel sheet**



Air Flow l/s.	3333		
External Overbottom Pressure Pa	200	300	400
Coil Rows: Cooling+Heating	4+1	6+1	4+1
Fan Model(Drive Type)	KDE118-18K(Belt Drive)		
Fan Speed r/min	684	724	765
Motor Pulley	SPA100-2	SPA100-2	SPA100-2
Fan pulley	SPA200-2	SPA190-2	SPA180-2
Belt Model/Quantity	SPA1232/2	SPA1232/2	SPA1232/2
Motor Power-Pole	3KW-4	3KW-4	3KW-4
A FLA	6.2A	6.2A	6.2A
Voltage	4.15V/3Ph/50HZ		
Coil Diameter mm/Fins: lengthxWidth mm	3/8"(99.52)/1640x813(tube no.32)		
Filter: lengthxWidthxThickness mm/quantity	590x817x15/3		

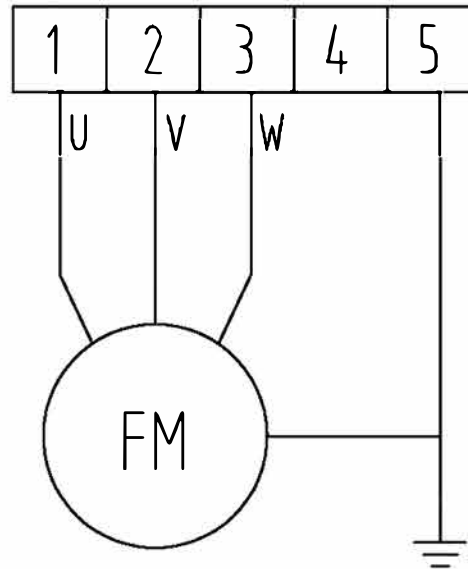
Note: The unit shown is of left hand type.

DRAWN BY: GUO JINGENG	DATE: 24/02/2012	
APPROVED Q.A.: WU MEIJUN	APPROVED ENG.: ZHANG JINGFEI	

MODEL: LFPS 120	DRANG NO.: 01	ISSUE: 01	SHEET SIZE: A4
TITLE: Water Cooled Fan Coil Unit		LFPS TYPE	

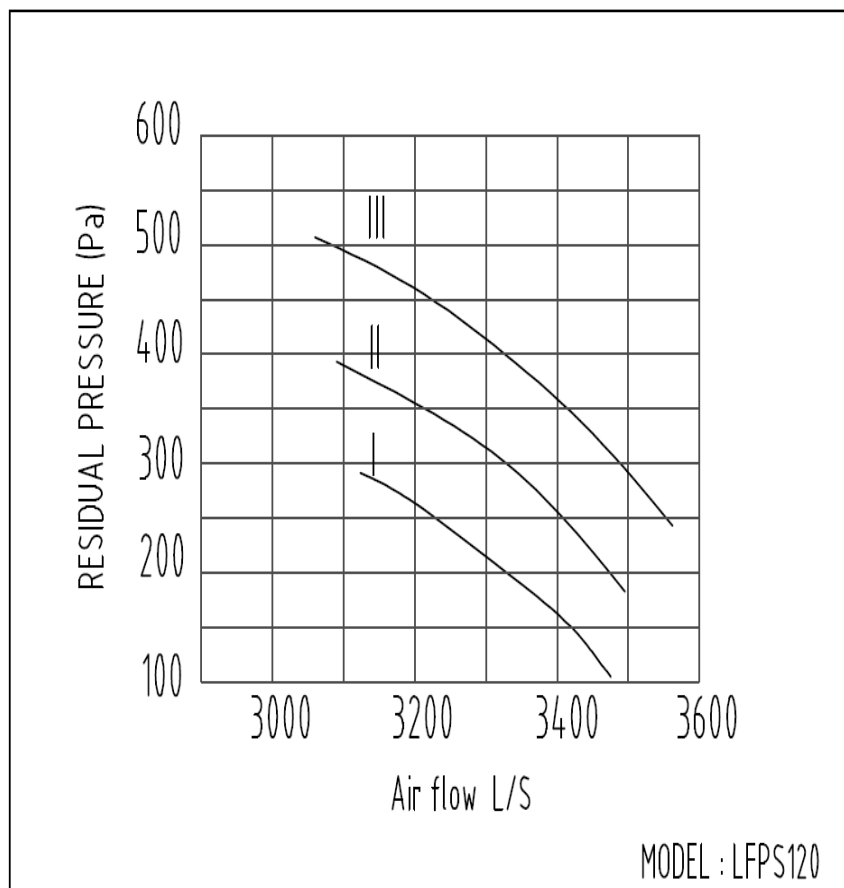
Wiring Diagram

415V/3Ph/50Hz



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FAN CURVE



DRAWN BY: GUO JINGPENG	DATE: 13/11/2009		
APPROVED O.A.: WU MEIJUN	APPROVED ENG.: ZHANG JINGFEI	TITLE:Water Cooled Fan Coil Unit LFPS TYPE	
MODEL: LFPS120	DRAWING NO.: 01	ISSUE: 01	SHEET SIZE: A4

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NOISE CURVE

