

# Super Slim Ceiling Mounted Air Handling Unit LFPS Series LFPS180

## Model Number Configuration

LFPS180-4+1: 4 + 1 Row Super Slim Ceiling Mounted

LFPS180-6+1: 6 + 1 Row Super Slim Ceiling Mounted

## PERFORMANCE DATA

### RETURN AIR

Model	Air Flow l/s	4 Rows Cooling				1 Row Heating			External Excess Pressure			Motor Power			Weight kg
		Total	Sensible	Water Flow	Water Resistance	Rated Heating	Water Flow	Water Resistance	I	II	III	I	II	III	
		kW	kW	l/s	kPa	kW	l/s	kPa	Pa	Pa	Pa	kW	kW	kW	
LFPS180-4+1	5000	100.0	72.3	4.8	17.6	53.1	1.3	15.3	300	400	500	5.5	7.5	7.5	489.6
LFPS180-6+1	5000	125.7	86.5	6.0	12.9	53.1	1.3	15.3	300	400	500	5.5	7.5	7.5	542.6

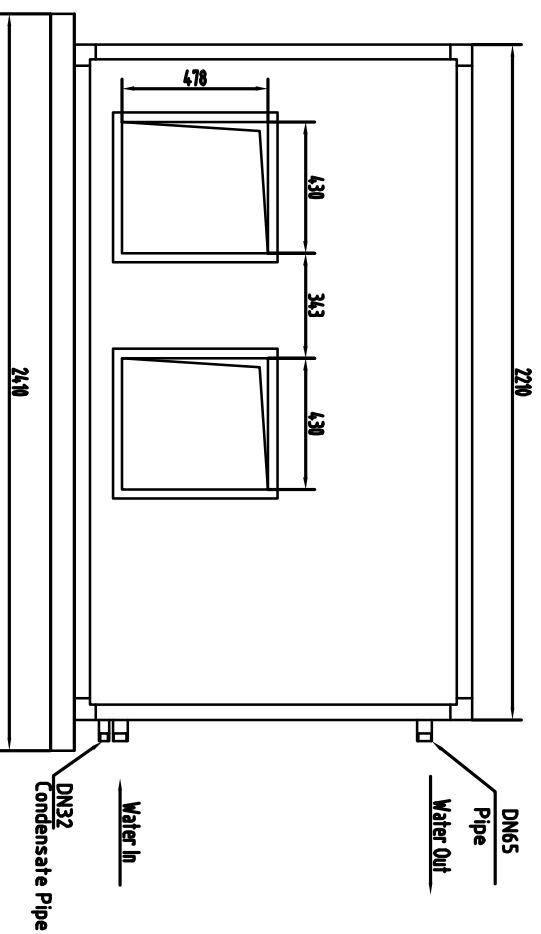
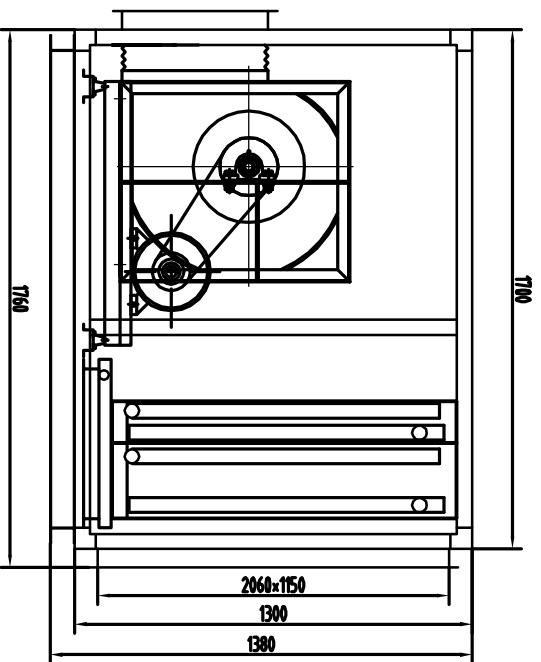
### Notes for Return Air:

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 :  $\phi$  9.52mm, copper tube, aluminium fins  
LFPS135W-LFPS 300W:  $\phi$  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**

Diagrams of: LFPS 180



Air Flow I/s	5000			
External Overbottom Pressure Pa	300	400	500	
Coil Rows:Cooling+Heating	4+1	6+1	4+1	6+1
Fan Model(Drive Type)	KDFTS18-13K(Belt Drive)			
Fan Speed r/min	752	781	825	852
Motor Pulley	SPB125-2	SPB125-2	SPB125-3	SPB125-3
Fan pulley	SPB236-2	SPB224-2	SPB212-3	SPB210-3
Belt Model/Quantity	SPB1320/2	SPB1320/2	SPB1320/3	SPB1320/3
Motor Power-Pole	5.5KW-4	5.5KW-4	7.5KW-4	7.5KW-4
A FLA	10.8A	10.8A	14.3A	14.3A
Voltage	415V/3Ph/50HZ			
Coil Diameter mm/Fin:Length×Width mm	4/8"φ12.7/1920×1080(tube no:34)			
Filter:Length×Width×Thickness mm/quantity	513×570×15/8			

Note: The unit shown is of left hand type.

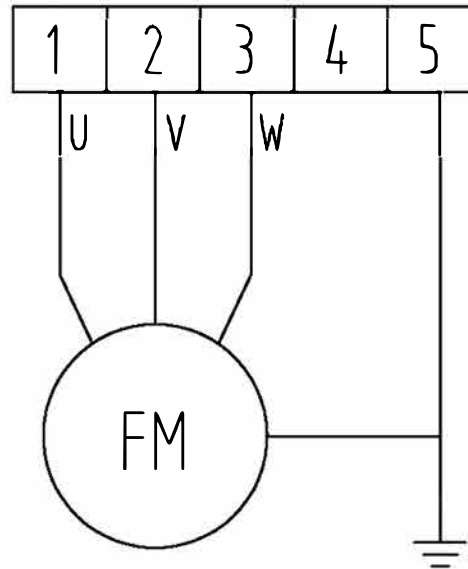


DRAWN BY: GUO JINGPENG	DATE: 24/02/2012	TITLE:Water Cooled Fan Coil Unit LFPS TYPE
APPROVED Q.A.: WU MEIJUN	APPROVED ENG.: ZHANG JINGFEI	

MODEL: LFPS 180	DRANG NO.: 01	ISSUE: 01	SHEET SIZE: A4
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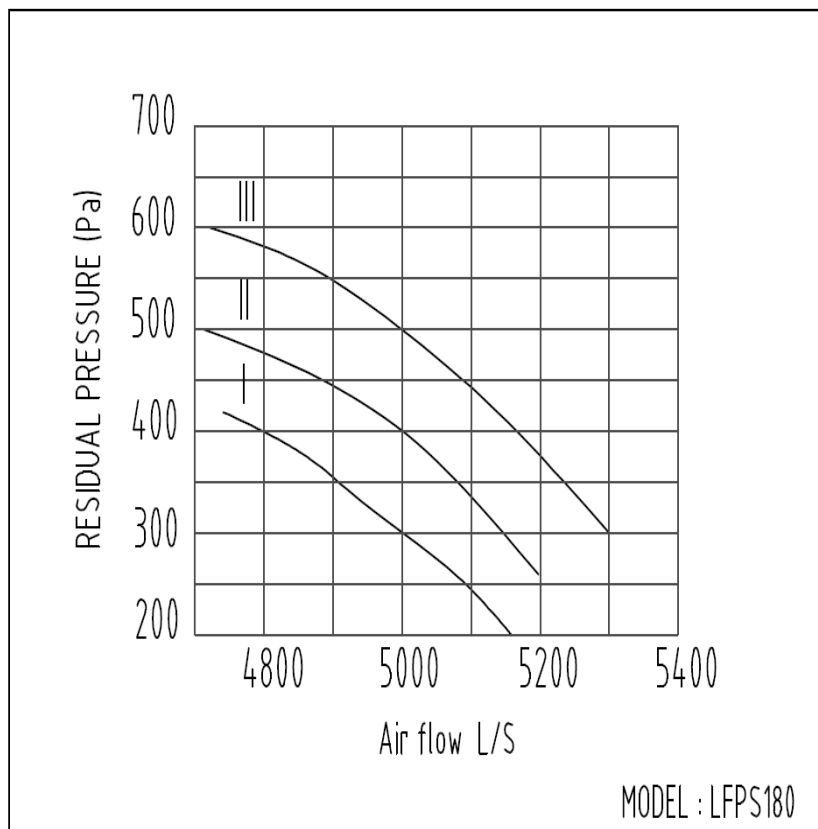
# Wiring Diagram


415V/3Ph/50Hz



# Super Slim Ceiling Mounted *Air Handling Unit* LFPS180

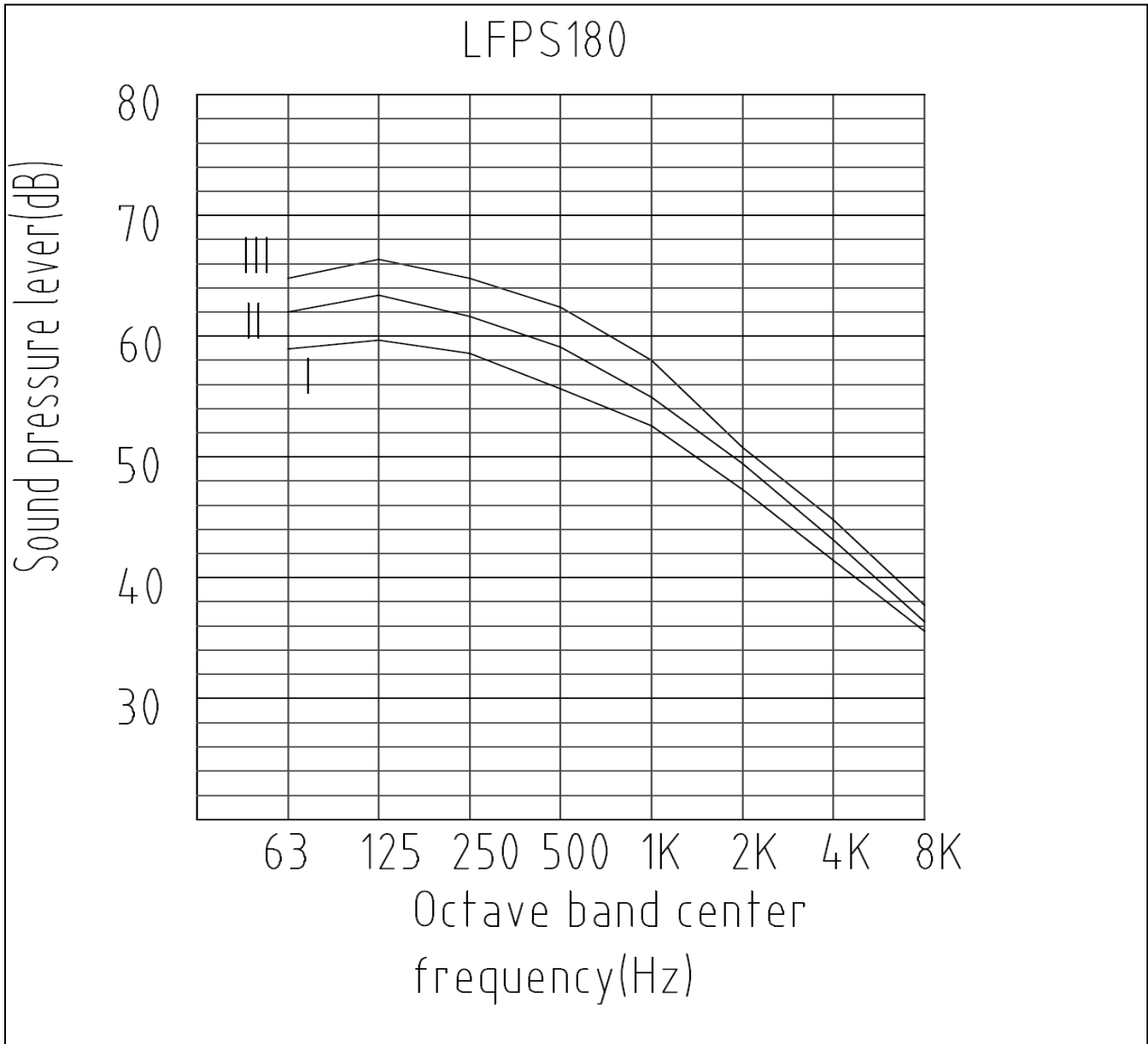
## FAN CURVE




DRAWN BY: GUO JINGPENG	DATE 13/11/2019		
APPROVED D.A.: WU MEIJUN	APPROVED ENG.: ZHANG JINGFEI	TITLE: Water Cooled Fan Coil Unit LFPS TYPE	
MODEL: LFPS180	DRAWING NO.: 01	ISSUE: 01	SHEET SIZE: A4

# Super Slim Ceiling Mounted *Air Handling Unit* LFPS180

## NOISE CURVE



DRAWN BY: GUO JINGPENG	DATE: 14/11/2009			
APPROVED Q.A.: WU MEIJUN	APPROVED ENG.: ZHANG JINGFEI	TITLE: Water Cooled Fan Coil Unit LFPS TYPE		
MODEL: LFPS180	DRAWING NO.: 01	ISSUE: 01	SHEET SIZE: A4	