

# Super Slim Ceiling Mounted Air Handling Unit *LFPS Series* **LFPS135**

## Model Number Configuration

LFPS135-4+1: 4 + 1 Row Super Slim Ceiling Mounted

LFPS135-6+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	
LFPS135-4+1	3750	78.3	55.4	3.7	33.3	46.5	1.1	15.9	200	300	370	3	4	4	419.7
LFPS135-6+1	3750	99.6	67.1	4.8	34.7	46.5	1.1	15.9	200	300	370	4	4	5.5	449.7

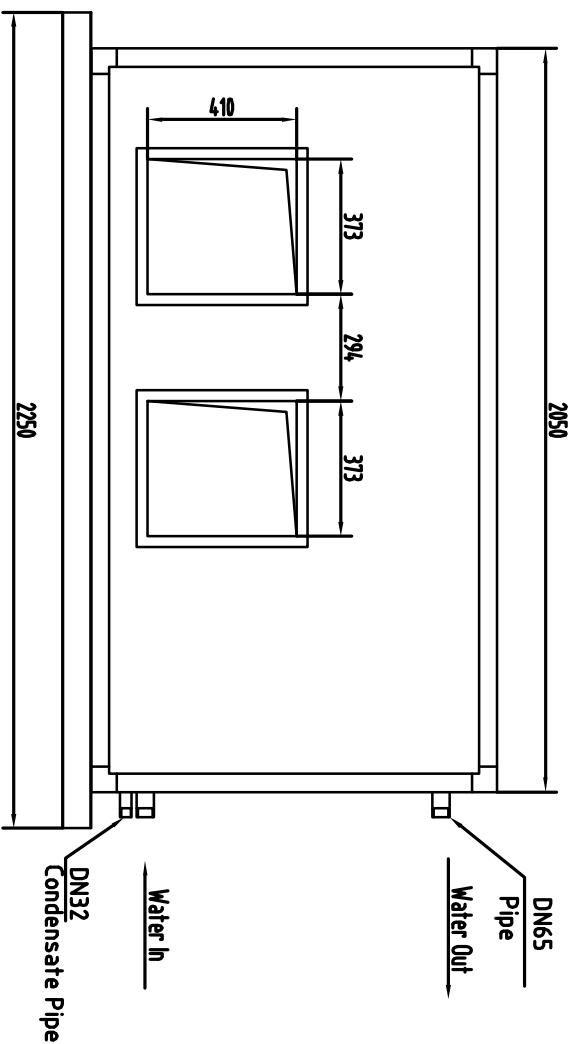
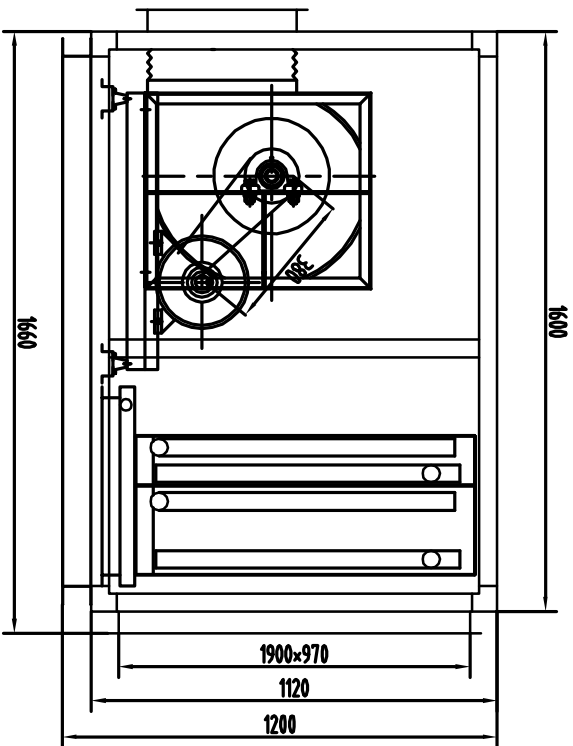
### Notes for Return Air:

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 135



Air Flow l/s.	3750			
External Overbottom Pressure Pa	200			
Coil Rows: Cooling+Heating	4+1	6+1	4+1	6+1
Fan Model (Drive Type)	KDFTS15-1KK(Belt Drive)			
Fan Speed r/min	775	811	860	891
Motor Pulley	SPA100-2	SPB112-2	SPB112-2	SPB112-2
Fan pulley	SPA180-2	SPB200-2	SPB190-2	SPB170-2
Belt Model/Quantity	SPA1232/2	SPB1250/2	SPB1250/2	SPB1250/2
Motor Power-Pole	3KW-4	4KW-4	4KW-4	4KW-4
A.F.L.A	6.2A	8.1A	8.1A	8.1A
Voltage	415V/3Ph/50HZ			
Coil Diameter mm/Fins: lengthxWidth mm	4.8"(φ12.7)/1760x889(tube no:28)			
Filter: lengthxWidthxThickness mm/quantity	630x480x15/6			

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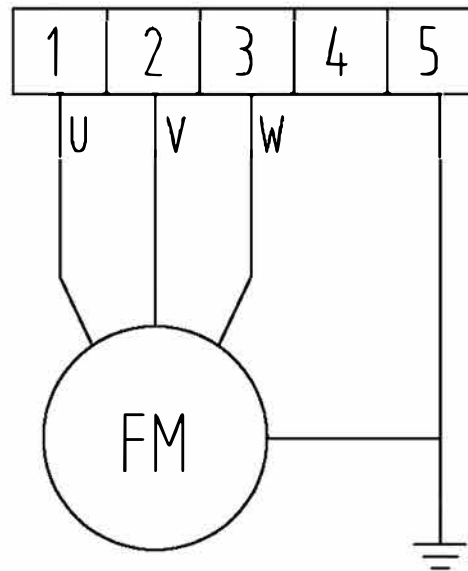
Note: The unit shown is of left hand type.



DRAWN BY: GUO JINGPENG	DATE: 24/02/2012	TITLE: Water Cooled Fan Coil Unit	DRANG NO.: 01	ISSUE: 01	SHEET SIZE: A4
APPROVED D.A.: WU MEILIN	APPROVED ENG.: ZHANG JINGFEI	LFPS TYPE			
MODEL: LFPS 135					

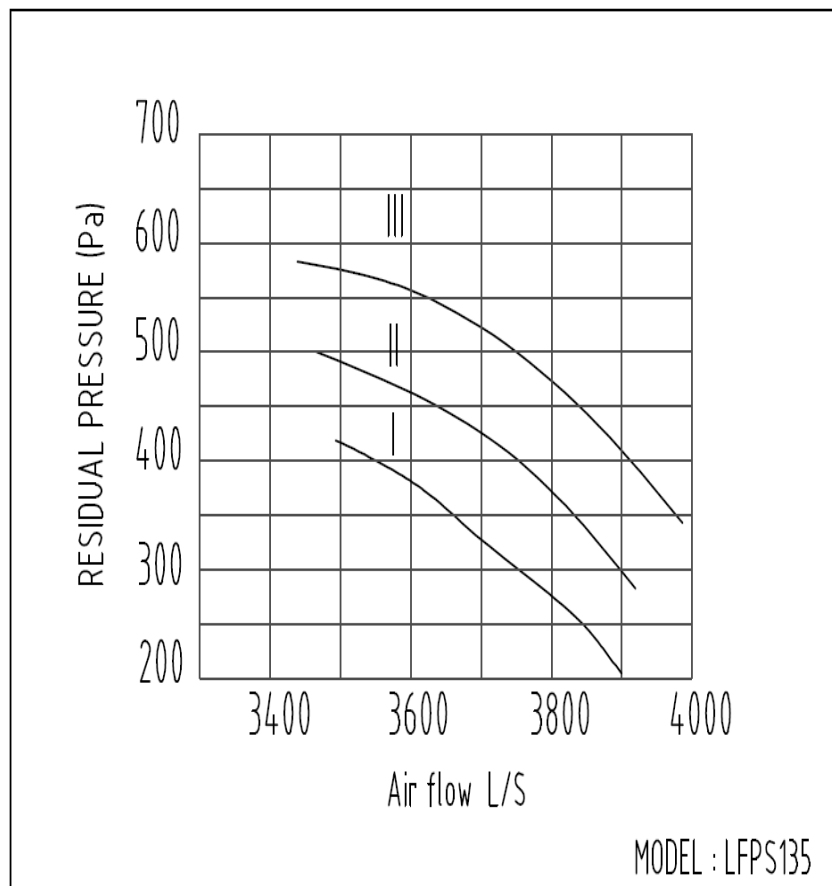
# Wiring Diagram

415V/3Ph/50Hz



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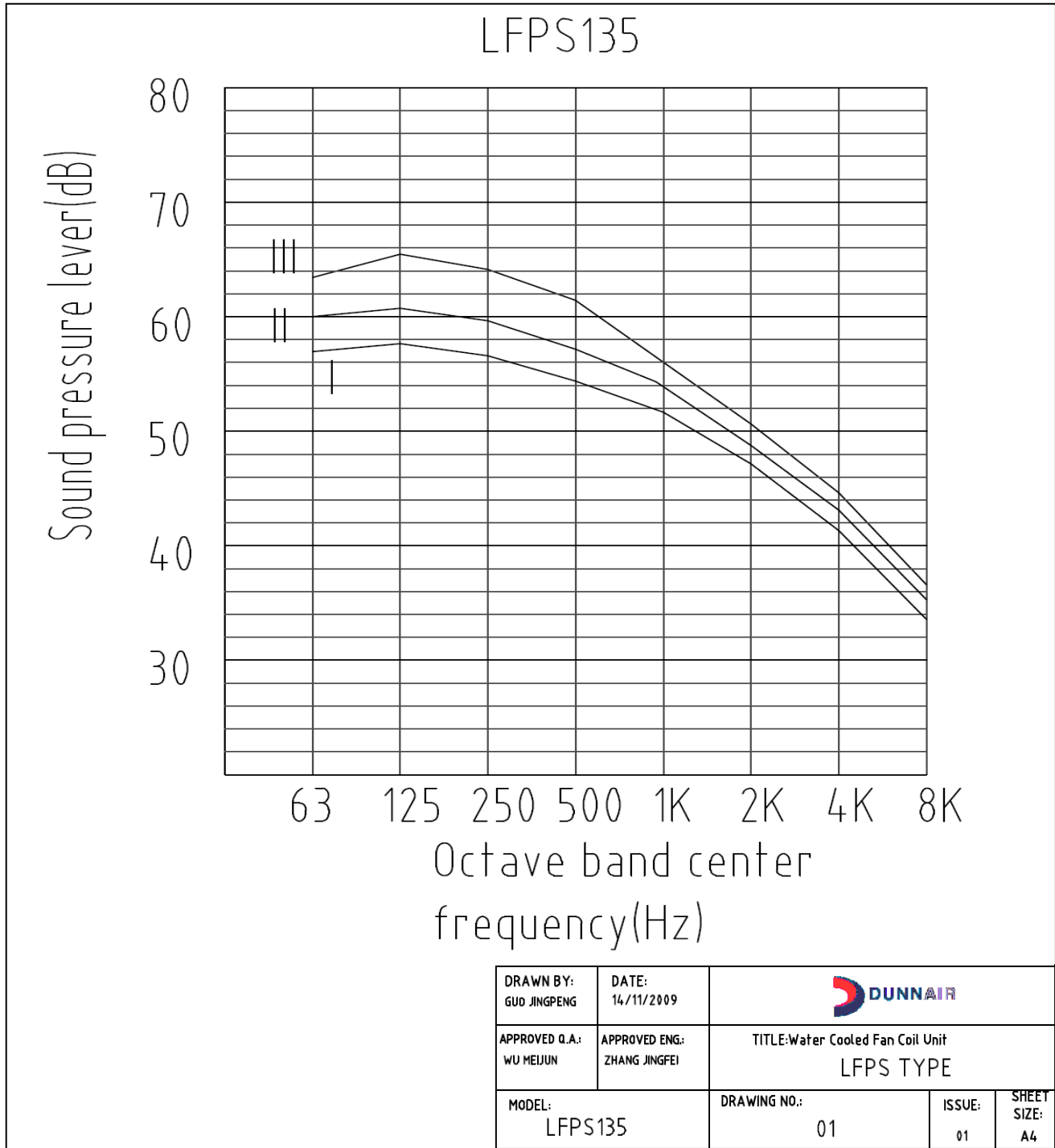
## FAN CURVE



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: LFPS135	DRAWING NO.: 01	ISSUE: 01	SHEET SIZE: A4

# Super Slim Ceiling Mounted *Air Handling Unit* LFPS135

## NOISE CURVE



April 2010