

# Super Slim Ceiling Mounted Air Handling Unit LFPS Series LFPS15

## Model Number Configuration

LFPS15-4+1: 4 + 1 Row Super Slim Ceiling Mounted

LFPS15-6+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	
LFPS15-4+1	417	8.9	6.4	0.4	10.2	5.0	0.1	1.4	—	—	170	—	—	0.18	92.3
LFPS15-6+1	417	11.9	7.9	0.6	25.9	5.0	0.1	1.4	—	—	220	—	—	0.32	98

#### 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.

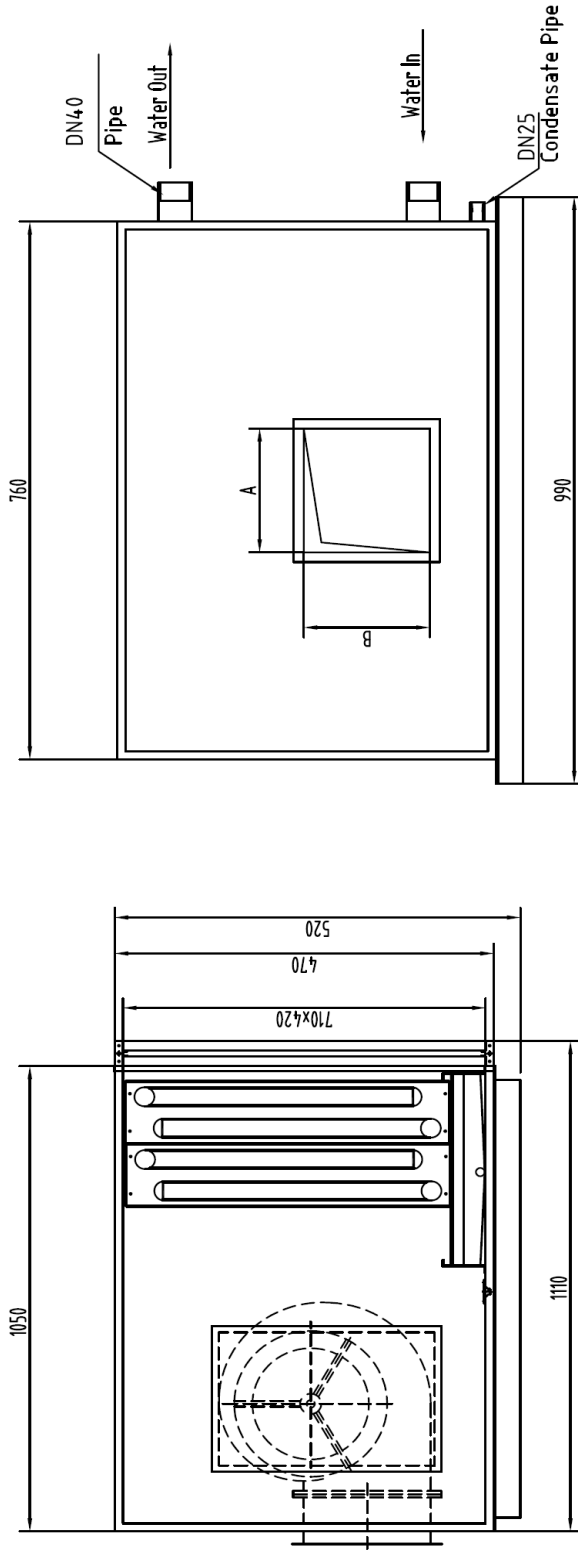
## SPECIFICATION

- **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**

# LFPS Series Super Slim Ceiling Mounted LFPS15



Diagrams of: LFPS 015A



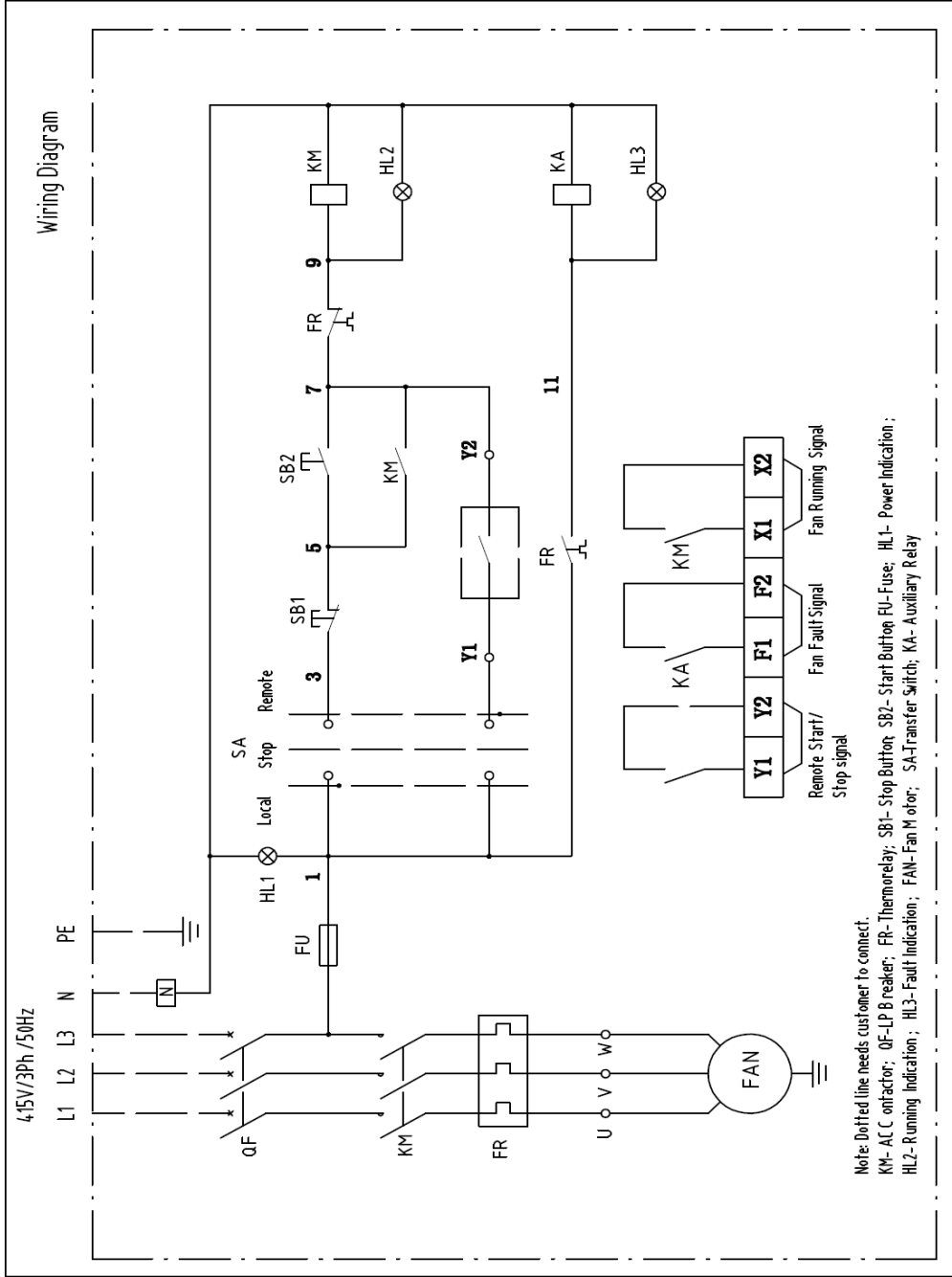
Air Flow l/s.	417
External Overbottom Pressure Pa	220
Coil Rows: Cooling+Heating	4+1
Fan Model (Drive Type)	KDF2.25WS (Direct Drive)
Air Spigot Size: AxB mm	270x188
Motor Power-Pole	0.18KW-4
A.F.L.A	0.65A
Voltage	415V/30ph/50HZ
Coil Diameter mm/ Fins: LengthxWidth mm	φ9.52/500x356
Filter: LengthxWidthxThickness mm/quantity	.355x414x15/2

Note: The unit shown is of left hand type.

DRAWN BY: GUO JINGFENG	DATE: 23/04/2010	
APPROVED O.A.: WU MEIJUN	APPROVED ENG.: ZHANG JINGFEI	TITLE: Water Cooled Fan Coil Unit LFPS TYPE
MODEL: LFPS 015A	DRANG NO.: 01	ISSUE: 01
		SHEET SIZE: A4

# LFPS Series Super Slim Ceiling Mounted LFPS15

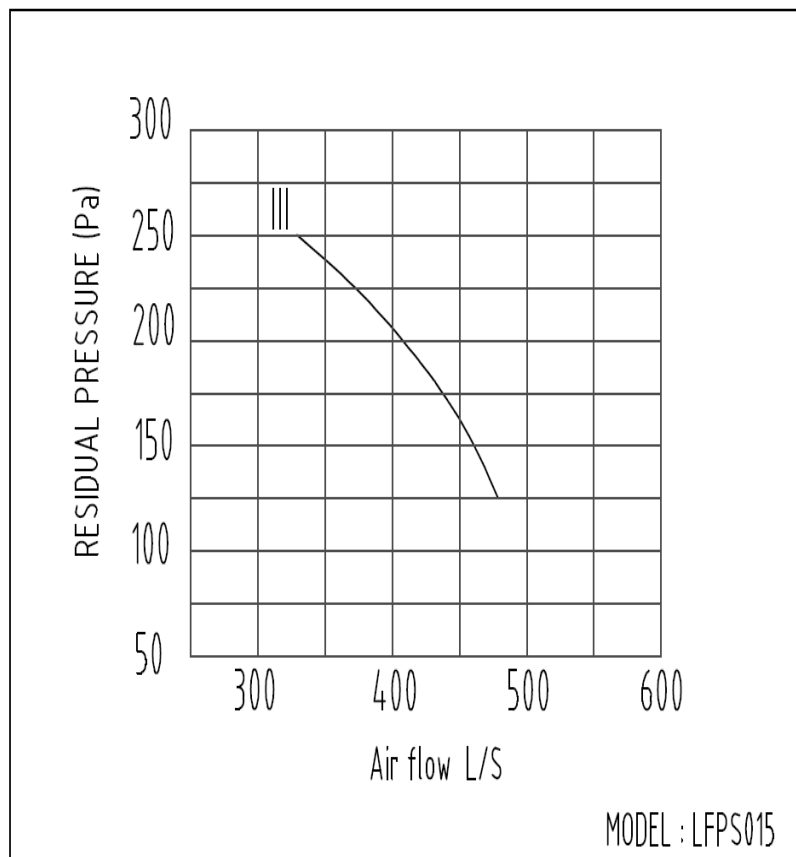
Direct starting type (motor power<math>N</math>5W)




DRAWN BY: GUO JINGPENG	DATE: 10/11/2009	TITLE: Water Cooled Fan Coil Unit LFPS TYPE	DRAWING NO.: 01	SHEET SIZE: A4
	APPROVED ENG.: ZHANG JINGFEI			
APPROVED O.A.: WU HEIJUN				
MODEL: LFPS010-270				

# Super Slim Ceiling Mounted *Air Handling Unit* LFPS15

## 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: LFPS015	DRAWING NO.: 01	ISSUE: 01	SHEET SIZE: A4	

# Super Slim Ceiling Mounted *Air Handling Unit* LFPS15

## NOISE CURVE

