

Super Slim Ceiling Mounted Air Handling Unit LFPS Series LFPS50

Model Number Configuration

LFPS50-4+1: 4 + 1 Row Super Slim Ceiling Mounted

LFPS50-6+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	
LFPS50-4+1	1389	30.2	21.5	1.2	14.3	18.4	0.4	7.1	150	200	300	1.1	1.1	1.1	177.9
LFPS50-6+1	1389	40.0	26.4	1.9	35.7	18.4	0.4	7.1	150	200	300	1.1	1.1	1.5	207.9

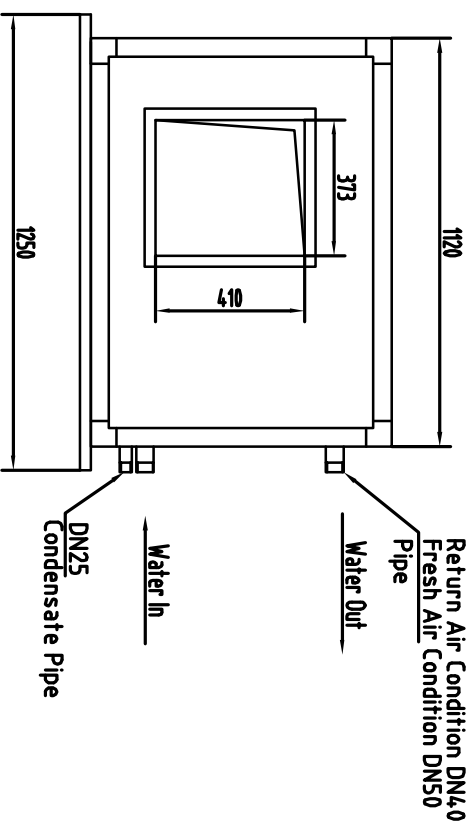
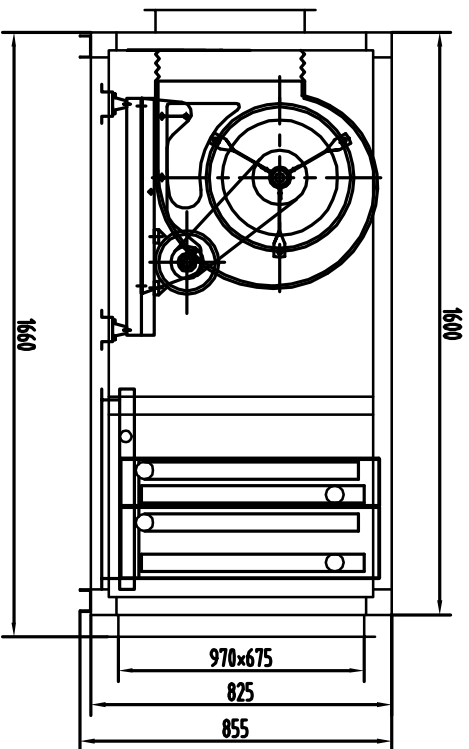
Notes for Return Air:

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**

Diagrams of: LFPS 050



Air Flow l/s.	1389			
External Overbottom Pressure Pa	150	200	300	
Coil Rows: Cooling+Heating	4+1	6+1	4+1	6+1
Fan Model(Drive Type)	KDF15-11L(Belt Drive)			
Fan Speed r/min	667	723	714	769
Motor Pulley	SPA85-1	SPA85-1	SPA85-1	SPA90-1
Fan pulley	SPA170-1	SPA160-1	SPA170-1	SPA150-1
Belt Model/Quantity	SPA1082/1	SPA1082/1	SPA1060/1	SPA1060/1
Motor Power-Pole	1.1KW-4	1.1KW-4	1.1KW-4	1.5KW-4
A FLA	2.6A	2.6A	2.6A	3.4A
Voltage	415V/3Ph/50HZ			
Coil Diameter mm/Fins-length×Width mm	3/8"φ9.52/850×660(tube no.26)			
Filter-length×Width×Thickness mm/quantity	481×667×15/2			

Note: The unit shown is of left hand type.

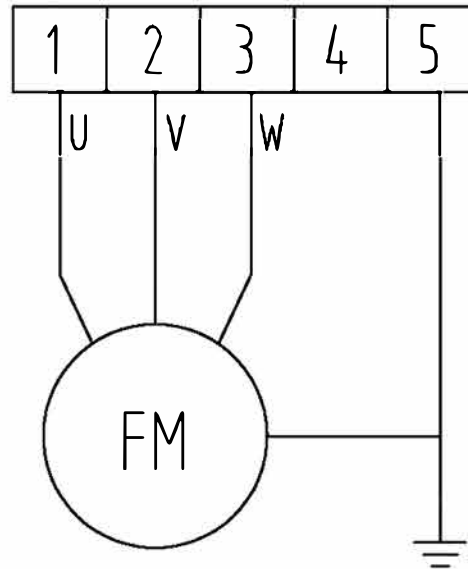
DRAWN BY: GUO JINGPENG	DATE: 24/02/2012	
APPROVED O.A.: WU MEIJUN	APPROVED ENG.: ZHANG JINGFEI	

TITLE: Water Cooled Fan Coil Unit
LFPS TYPE

MODEL: LFPS 050	DRANG NO.: 01	ISSUE: 01	SHEET SIZE: A4
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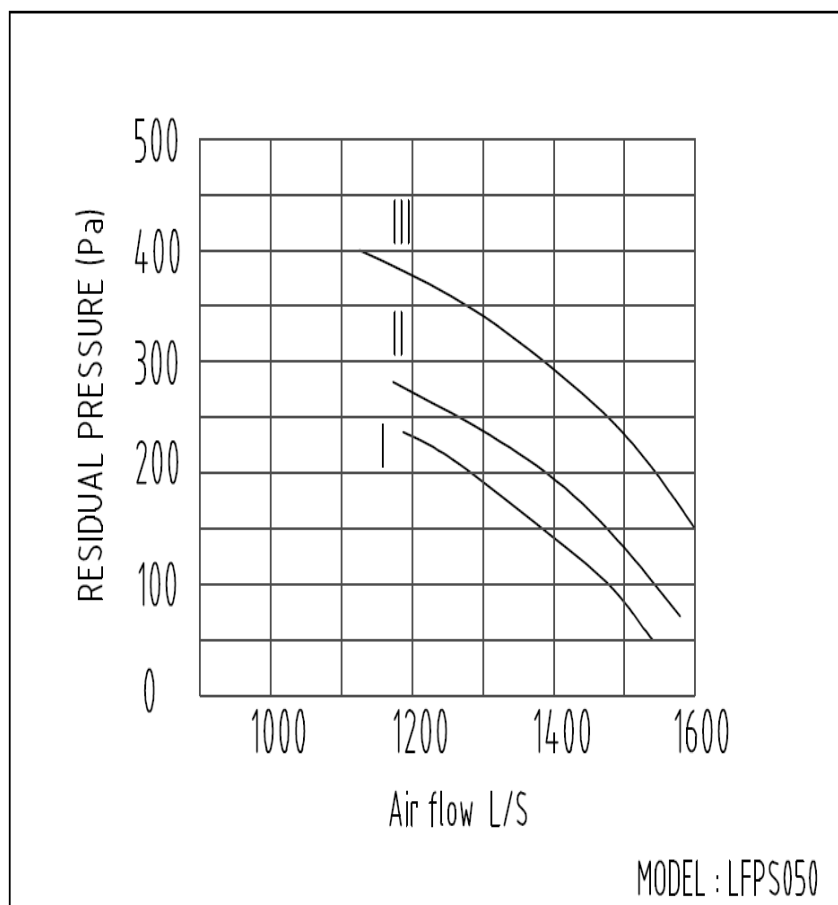
Wiring Diagram


415V/3Ph/50Hz



Super Slim Ceiling Mounted *Air Handling Unit* LFPS50

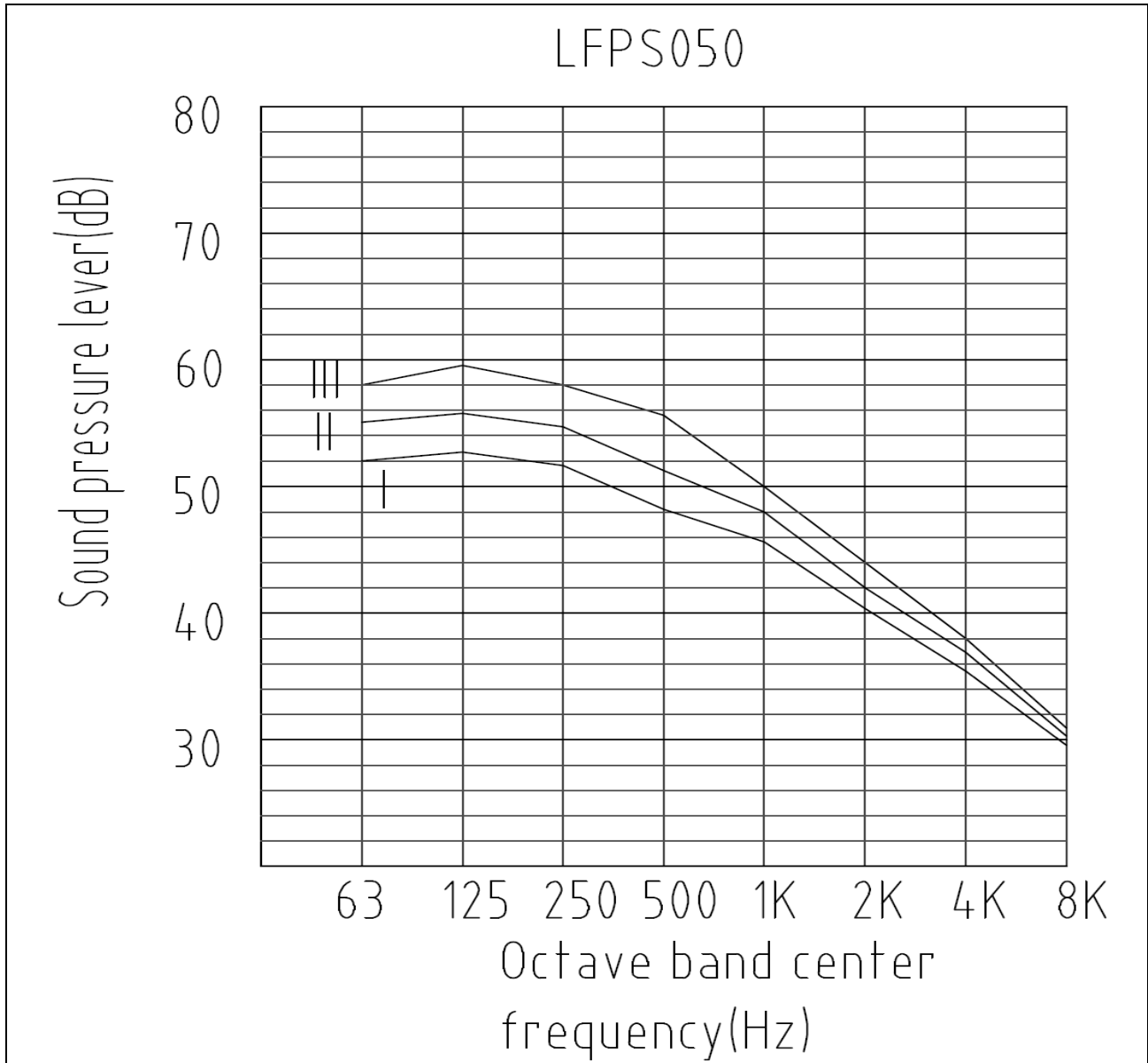
FAN CURVE




DRAWN BY: GUO JINPENG	DATE: 13/11/2009		
APPROVED O.A.: WU MEIJUN	APPROVED ENG.: ZHANG JINGFEI	TITLE:Water Cooled Fan Coil Unit LFPS TYPE	
MODEL: LFPS050	DRAWING NO.: 01	ISSUE: 01	SHEET SIZE: A4

Super Slim Ceiling Mounted *Air Handling Unit* LFPS50

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: LFPS050		DRAWING NO.: 01	ISSUE: 01	SHEET SIZE: A4