

Super Slim Ceiling Mounted Air Handling Unit LFPS Series LFPS30

Model Number Configuration

LFPS30-4+1: 4 + 1 Row Super Slim Ceiling Mounted

LFPS30-6+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	
LFPS30-4+1	833	19.0	13.3	0.9	25.8	10.5	0.3	3.5	190	250	270	0.55	0.55	0.55	133.2
LFPS30-6+1	833	23.1	15.5	1.1	17.8	10.5	0.3	3.5	140	200	220	0.55	0.55	0.55	164.2

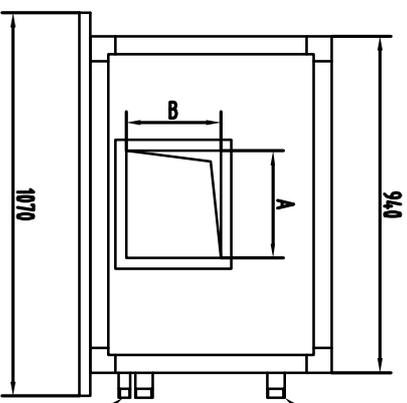
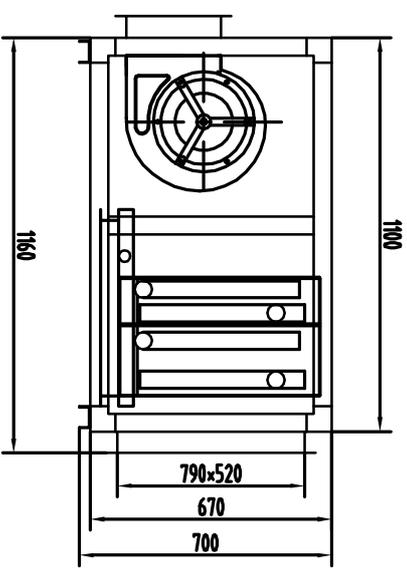
Notes for Return Air:

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**

Diagrams of: LFPS 030



Return Air Condition DN40
 Fresh Air Condition DN50
 Pipe
 Water Out
 Water In
 DN25
 Condensate Pipe

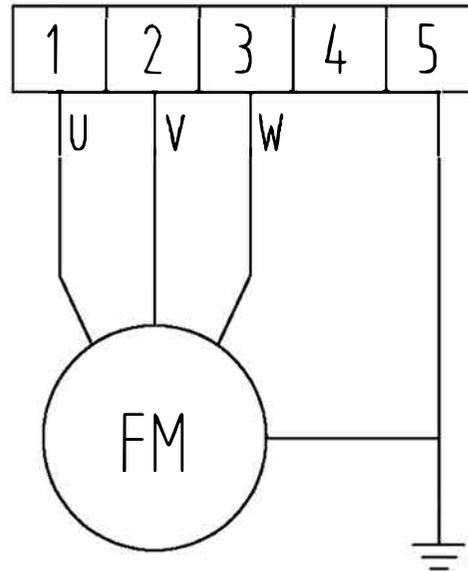
Air Flow l/s	833							
External Overbottom Pressure Pa	190	140	250	200	270	220		
Coil Rows:(Cooling+Heating)	4+1	6+1	4+1	6+1	4+1	6+1		
Fan Model(Drive Type)	KDF2.25WS(Directdrive)		KDF2.511WS(Directdrive)		KDF2.511WS(Directdrive)			
Air Spigot Size: AxB mm	300x221		282x262		340x262			
Motor Power-Pole	0.55KW-4		0.55KW-4		0.55KW-4			
A FLA	1.5A		1.5A		1.5A			
Voltage	4/5V/3PH/50HZ							
Coil Diameter mm/Fns:lengthxwidth mm	3/8"(ø9.52)/610x508(ube no:20)							
Filter:lengthxwidthxThickness mm/quantity	391x512x15/2							

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 O.A.: WU MEIJUN	APPROVED ENG.: ZHANG JINGFEI		
MODEL: LFPS 030	DRANG NO.: 01	ISSUE: 01	SHEET SIZE: A4

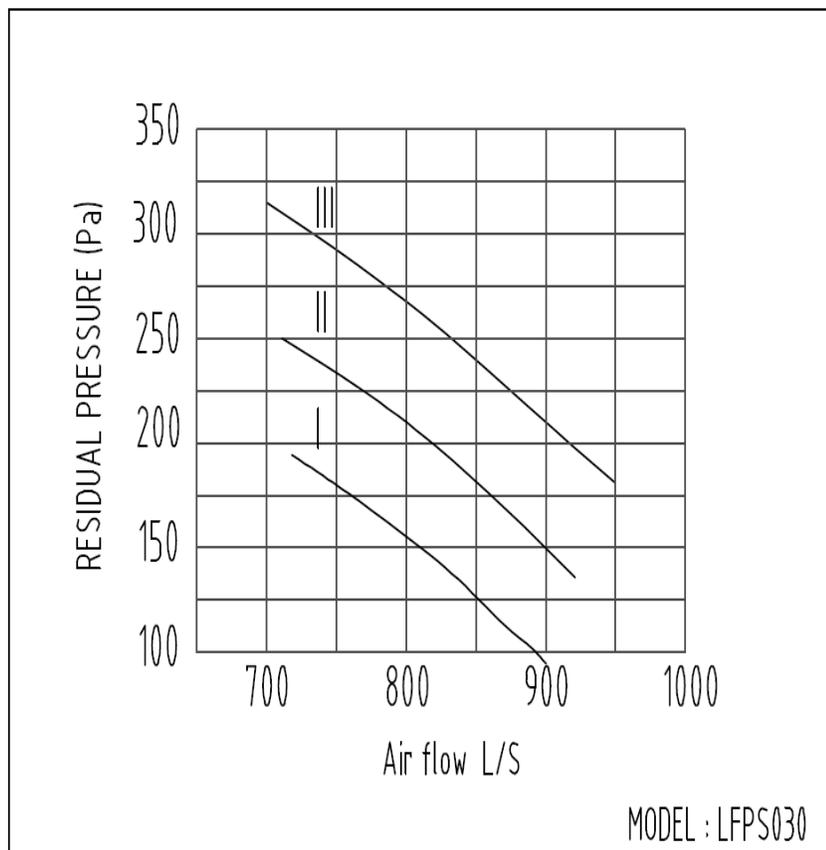
Wiring Diagram

415V/3Ph/50Hz



Super Slim Ceiling Mounted *Air Handling Unit* LFPS30

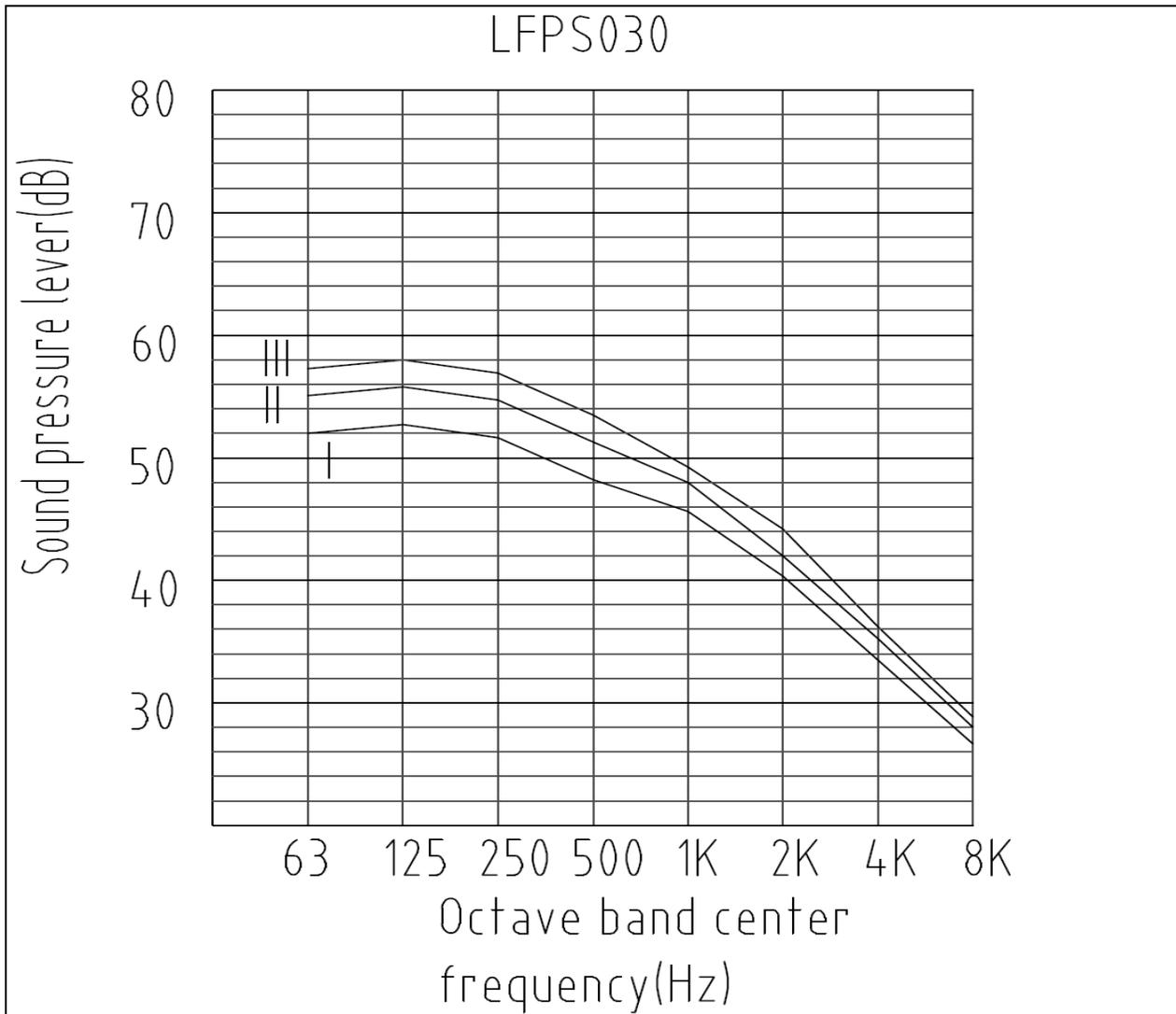
FAN CURVE



DRAWN BY: GUO JINPENG	DATE: 13/11/2009		
APPROVED D.A.: WU MEIJUN	APPROVED ENG.: ZHANG JINGFEI	TITLE: Water Cooled Fan Coil Unit LFPS TYPE	
MODEL: LFPS030	DRAWING NO.: 01	ISSUE: 01	SHEET SIZE: A4

Super Slim Ceiling Mounted *Air Handling Unit* LFPS30

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: LFPS030		DRAWING NO.: 01	ISSUE: 01
			SHEET SIZE: A4