

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:

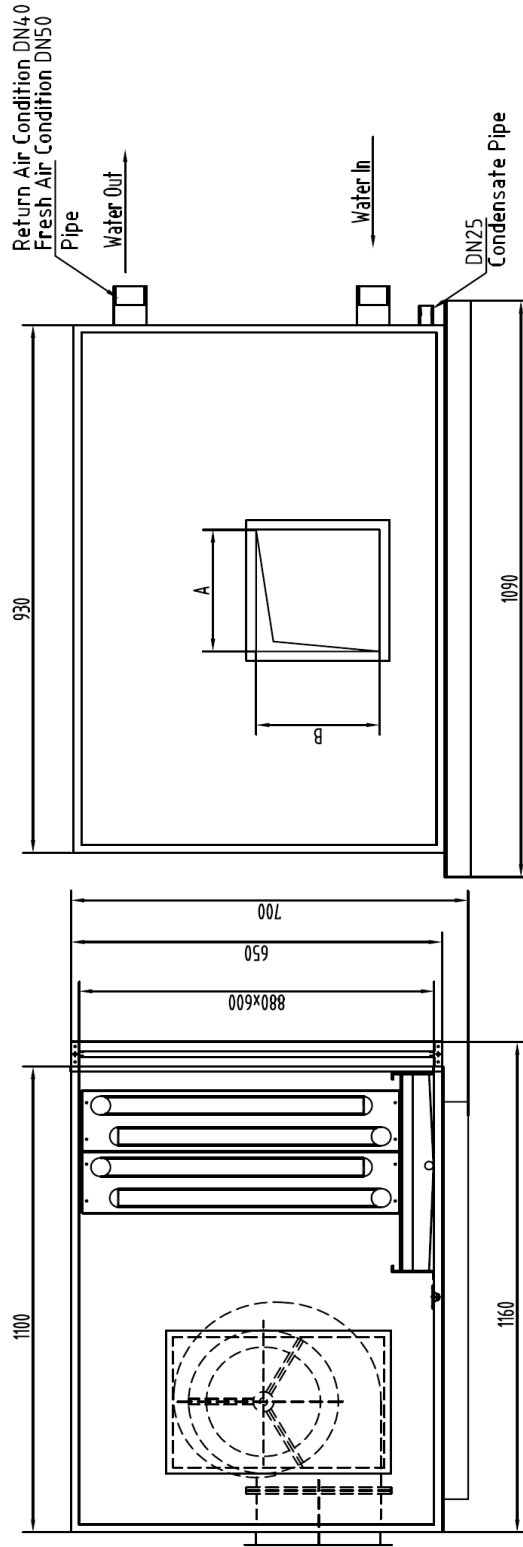
1. Cooling: The water in/out temp. is 7°C/12°C; the air in temp. is 27°C DB / 19.5°C WB
2. Heating: The water in temp. is 80°C / 50°C; the air in temp. is 21°C DB..
3. The motor power offered is the motor output power.
4. The above performance is for reference only. Different air and water conditions 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**

LFPS Series Super Slim Ceiling Mounted LFPS30

Diagrams of: LFPS 030A



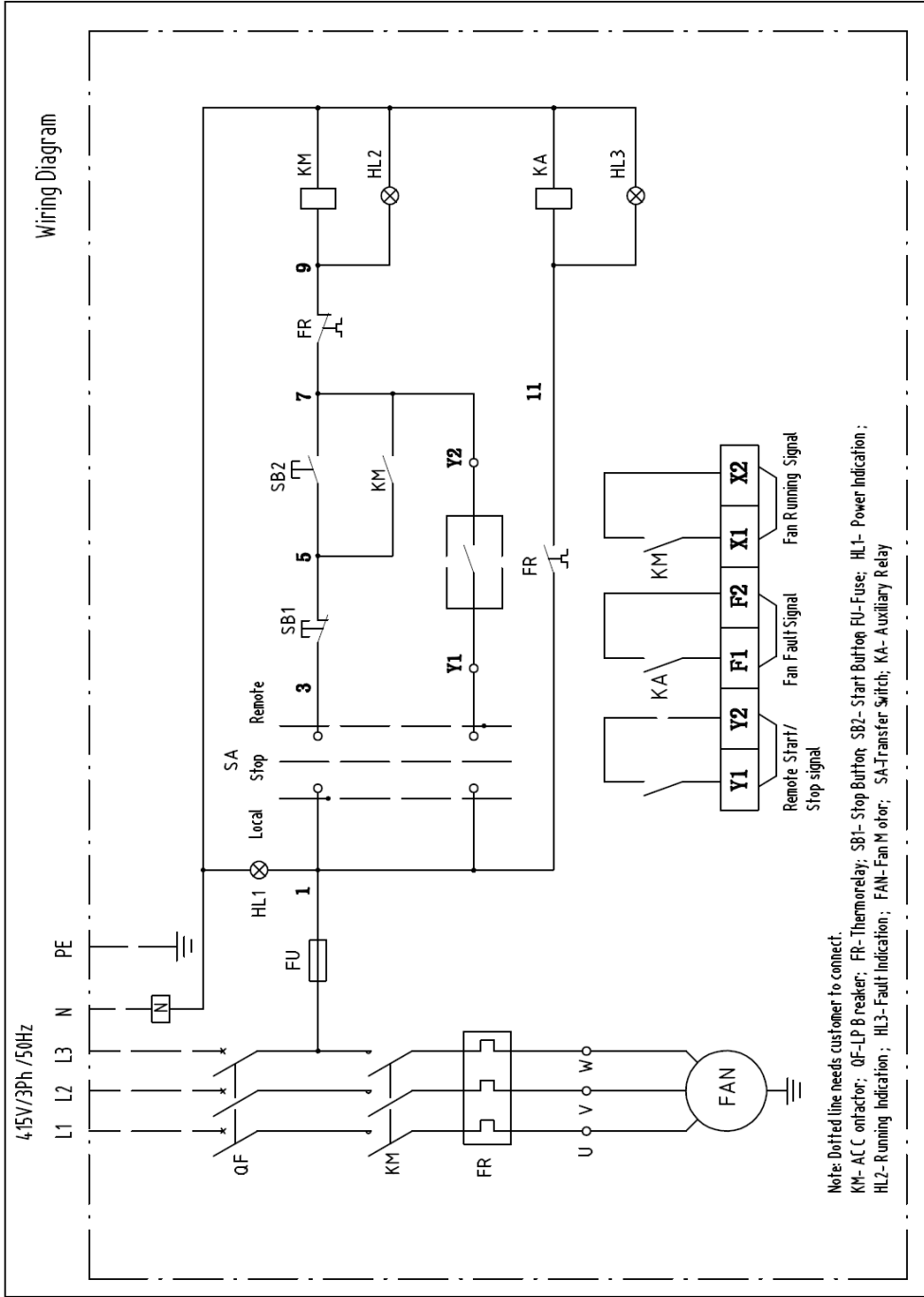
Air Flow l/s.	833					
External Overbottom Pressure Pa	190	140	250	200	270	220
Coil Rows: Cooling+Heating	4+1	6+1	4+1	6+1	4+1	6+1
Fan Model (Drive Type)	KDF2.25WS (Directdrive)		KDF2.51WS (Directdrive)		KDF2.51WS (Directdrive)	
Air Spigot Size: AxB mm	300x221	282x262		340x262		
Motor Power-Pole	0.55KW-4	0.55KW-4		0.55KW-4		
A FLA	1.5A	1.5A		1.5A		
Voltage	4.15V/3PH/50HZ					
Coil Diameter mm/Fins:LengthxWidth mm	ø9.52/670x508					
Filter:LengthxWidthx Thickness mm/quantity	440x694x15/2					

DRAWN BY: GUO JINGPENG	DATE: 23/04/2010		
APPROVED O.A.: WU MEIJUN	APPROVED ENG.: ZHANG JINGFEI	TITLE: Water Cooled Fan Coil Unit	
MODEL: LFPS 030A		DRANG NO.: 01	SHEET SIZE: A4
		ISSUE: 01	
		LFPS TYPE	

Note: The unit shown is of left hand type.

LFPS Series Super Slim Ceiling Mounted LFPS30

Direct starting type (motor power$15W$)

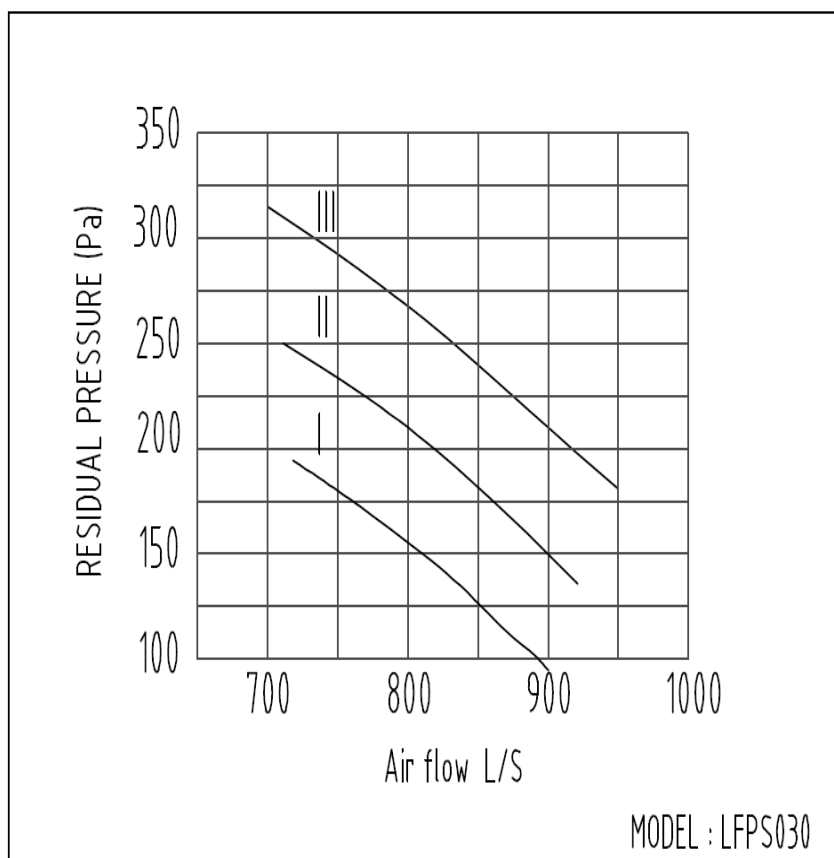



Note: Dotted line needs customer to connect.
 KM- A.C.C onractor; QF-L.P Breaker; FR- Thermonelay; SB1- Stop Button; SB2- Start Button FU-Fuse; HL1- Power Indication;
 HL2- Running Indication; HL3- Fault Indication; FAN- Fan Motor; SA-Transfer Switch; KA- Auxiliary Relay

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

Super Slim Ceiling Mounted *Air Handling Unit* LFPS30

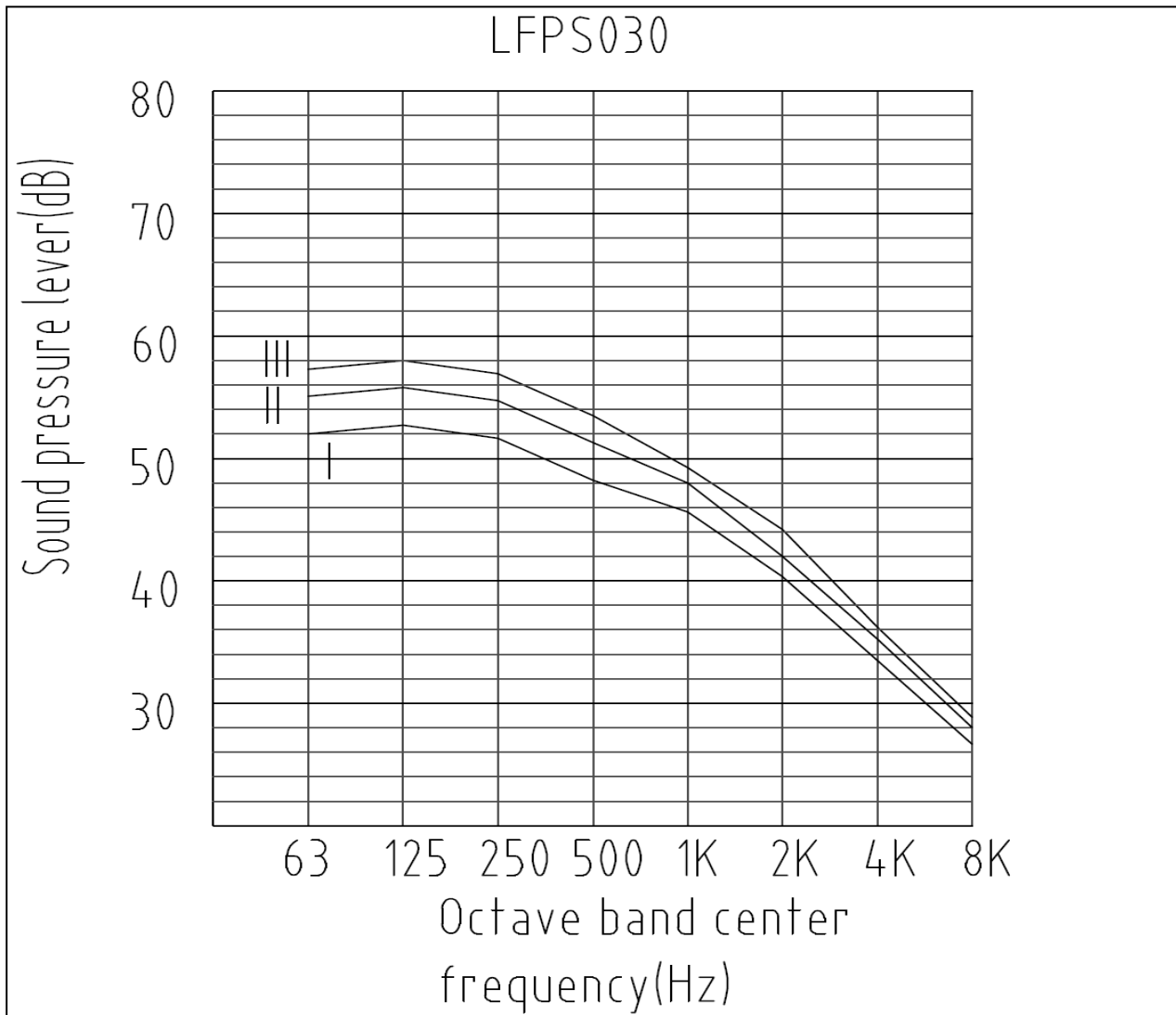
FAN CURVE




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