

Super Slim Ceiling Mounted Air Handling Unit LFPS Series LFPS210

Model Number Configuration

LFPS210-4+1: 4 + 1 Row Super Slim Ceiling Mounted

LFPS210-6+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	
LFPS210-4+1	5833	116.3	84	5.6	24.9	62.4	1.5	21.8	300	400	500	7.5	7.5	11	554.7
LFPS210-6+1	5833	146.7	100.8	7.0	18.4	62.4	1.5	21.8	300	400	500	7.5	11	11	657.7

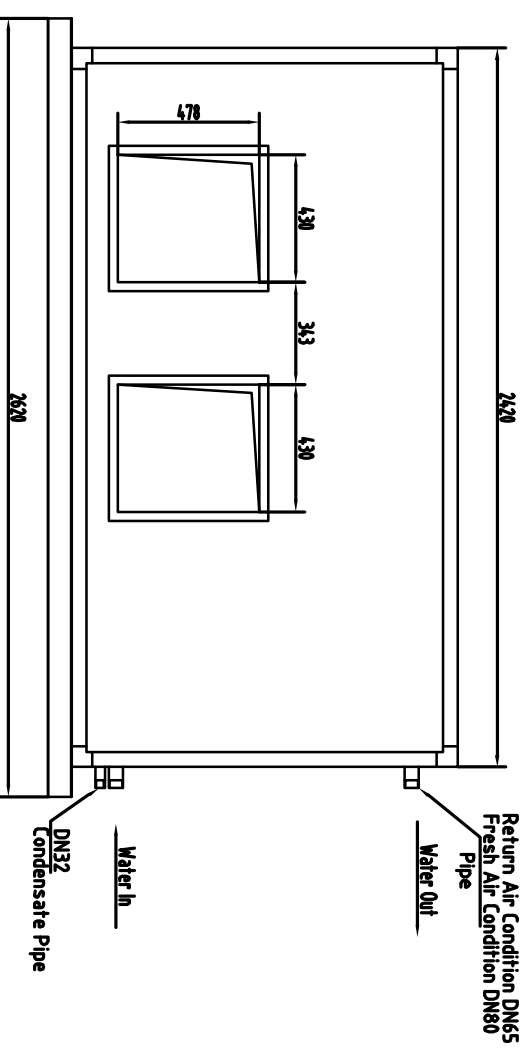
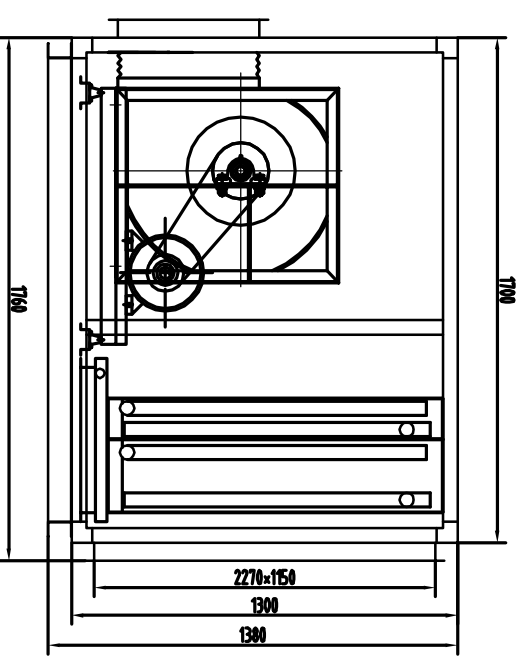
Notes for Return Air:

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 : 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 210



Air Flow l/s	5833			
External Overbottom Pressure Pa	300	400	500	
Coil Rows: Cooling+Heating	4+1	6+1	4+1	6+1
Fan Model(Drive Type)	KDFTS18-3K(Belt Drive)			
Fan Speed r/min	779	812	847	878
Motor Pulley	SPB125-3	SPB125-3	SPB140-3	SPB140-3
Fan pulley	SPB224-3	SPB224-3	SPB236-3	SPB274-3
Belt Model/Quantity	SPB1320/3	SPB1320/3	SPB1400/3	SPB1400/3
Motor Power-Pole	7.5KW-4	7.5KW-4	11KW-4	11KW-4
A.F.L.A	14.3A	14.3A	20.6A	20.6A
Voltage	415V/3PH/50HZ			
Coil Diameter mm/First lengthxWidth mm	478(φ)1271/2130x1080(tube no:34)			
Filter: lengthxwidthx Thickness mm/quantity	565x570x15/8			

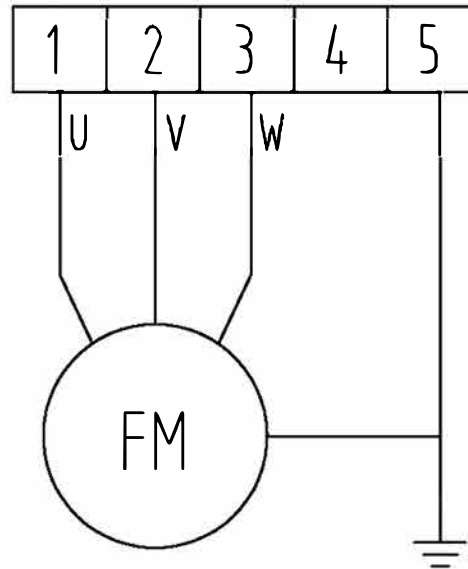
Note: The unit shown is of left hand type.

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

MODEL: LFPS 210	DRANG NO.: 01	ISSUE: 01	SHEET SIZE: A4
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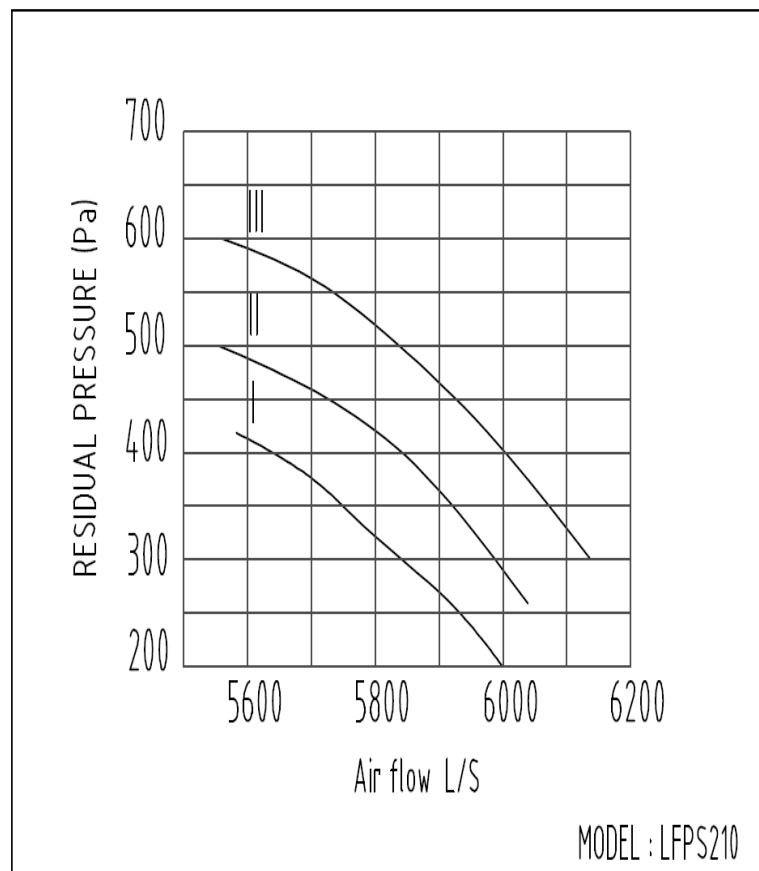
Wiring Diagram

415V/3Ph/50Hz



Super Slim Ceiling Mounted *Air Handling Unit* LFPS210

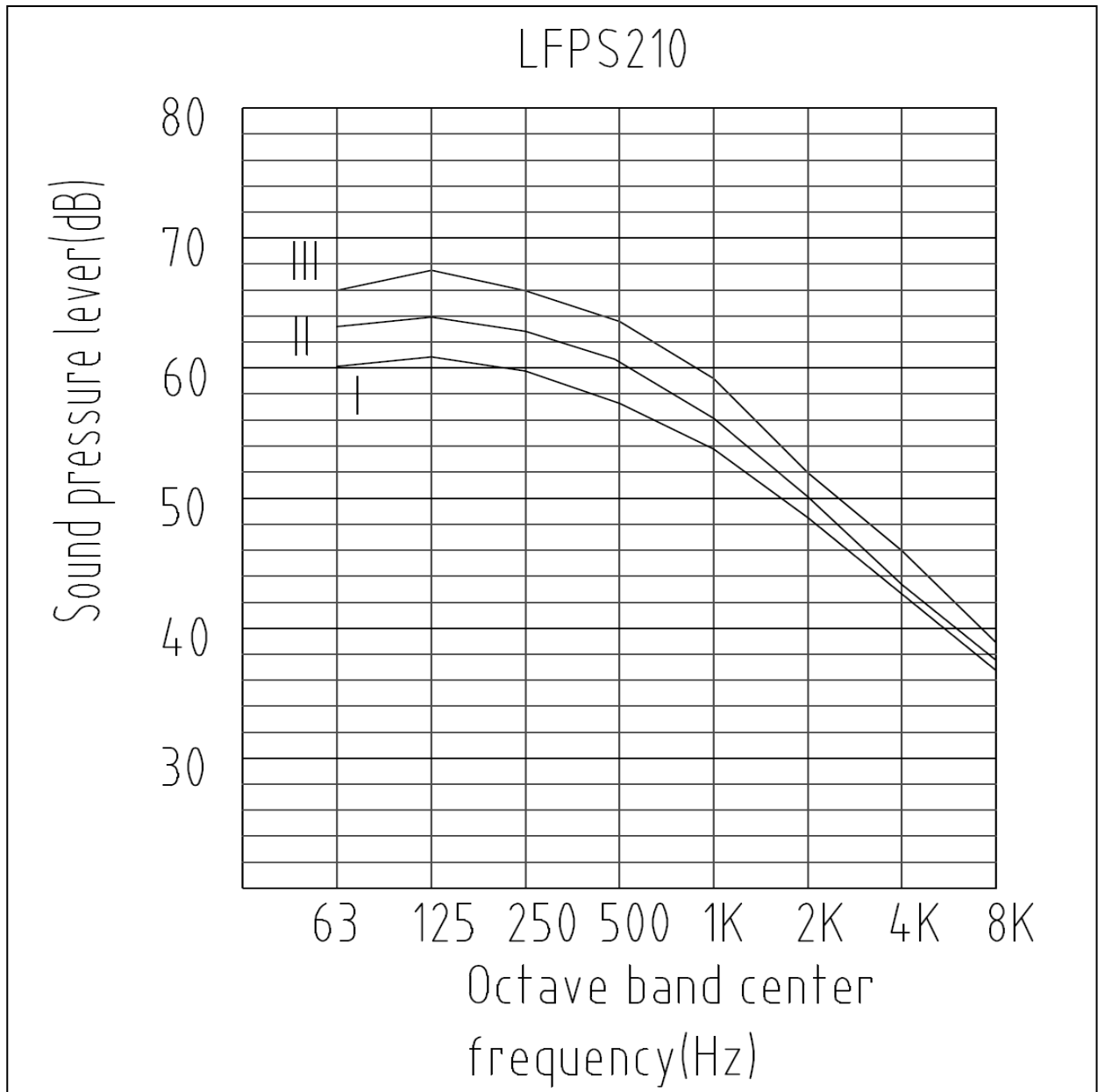
FAN CURVE




DRAWN BY: GUO JINGPENG	DATE: 13/11/2009		
APPROVED Q.A.: WU MEIJUN	APPROVED ENG.: ZHANG JINGFEI	TITLE: Water Cooled Fan Coil Unit LFPS TYPE	
MODEL: LFPS210	DRAWING NO.: 01	ISSUE: 01	SHEET SIZE: A4

Super Slim Ceiling Mounted *Air Handling Unit* LFPS210

NOISE CURVE



DRAWN BY: GUD JINGPENG	DATE: 14/11/2009		
APPROVED Q.A.: WU MEIJUN	APPROVED ENG.: ZHANG JINGFEI	TITLE:Water Cooled Fan Coil Unit LFPS TYPE	
MODEL: LFPS210	DRAWING NO.: 01	ISSUE: 01	SHEET SIZE: A4