

Super Slim Ceiling Mounted Air Handling Unit LFPS Series LFPS270

Model Number Configuration

LFPS270-4+1: 4 + 1 Row Super Slim Ceiling Mounted

LFPS270-6+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	
LFPS270-4+1	7500	154.9	110.2	7.4	34.5	83.1	2.0	30.6	300	400	450	7.5	11	11	727.4
LFPS270-6+1	7500	194.4	132.1	9.3	25.2	83.1	2.0	30.6	300	400	450	11	11	11	790.4

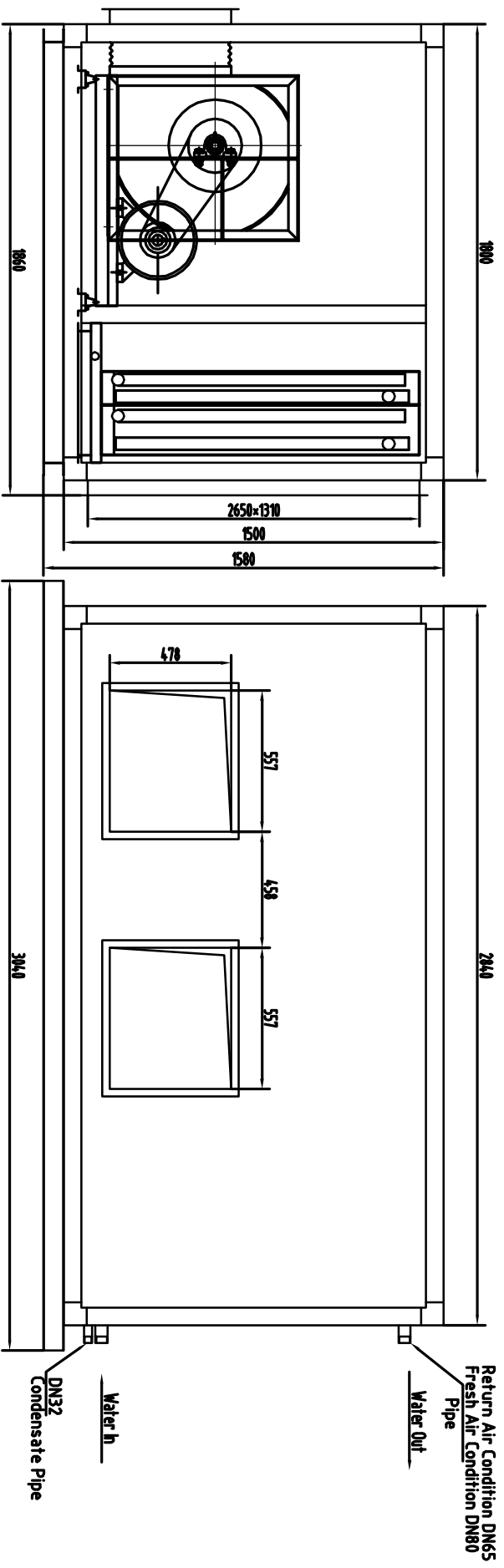
Notes for Return Air:

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 270



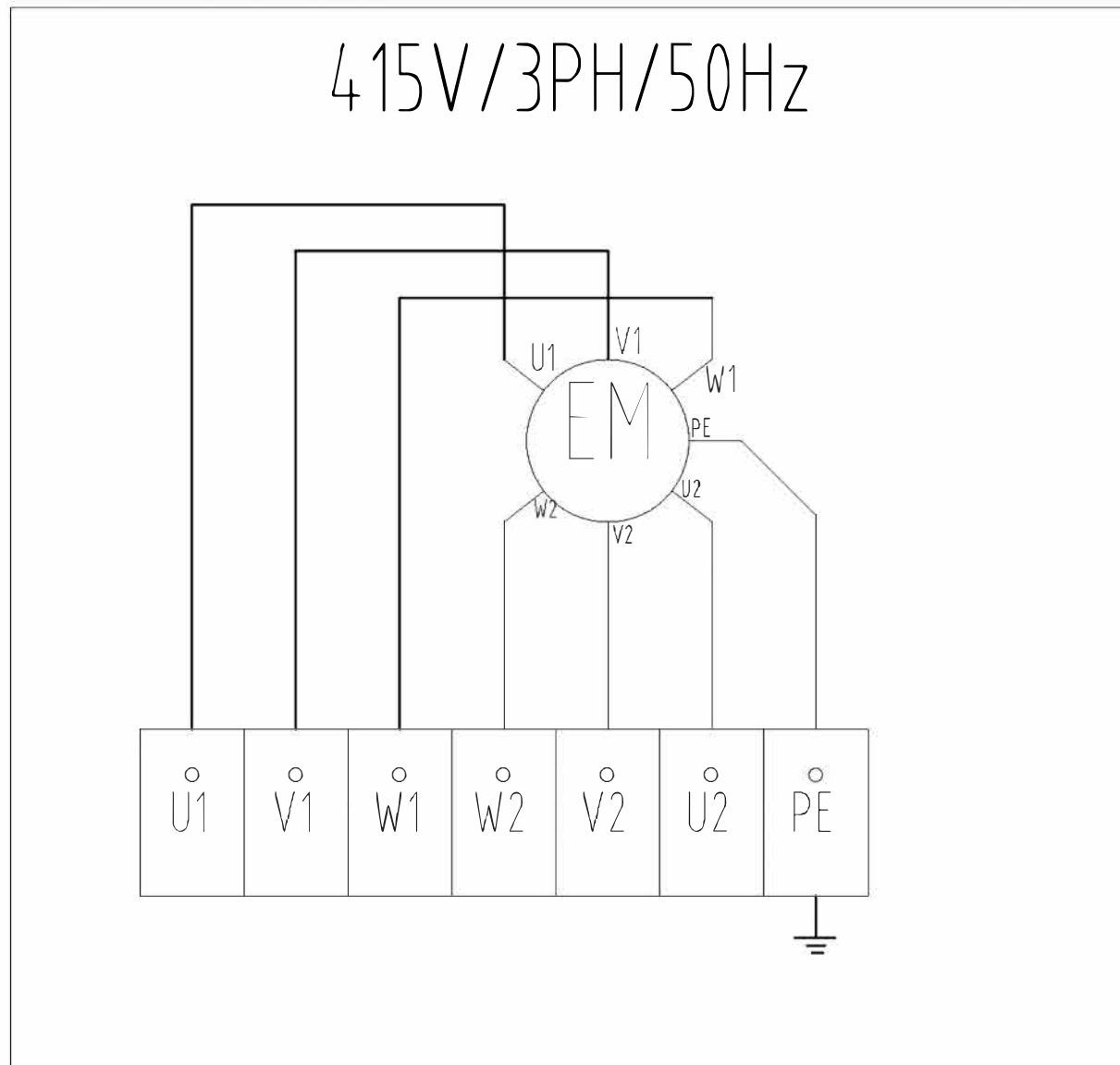
Air Flow U/s:	7500			
External Overbottom Pressure Pa	300		400	
Coil Rows:cooling+heating	4+1	6+1	4+1	6+1
Fan Model(Drive Type)	KOF(TS18-18K(Belt Drive))			
Fan Speed r/min	794	873	912	826
Motor Pulley	SPB125-3	SPB140-3	SPB140-3	SPB140-3
Fan pulley	SPB224-3	SPB236-3	SPB250-3	SPB224-3
Belt Model/Quantity	SPB1320/3	SPB1400/3	SPB1400/3	SPB1400/3
Motor Power -Pole	7.5KW-4	11KW-4	11KW-4	11KW-4
A.FLA	14.3A	20.6A	20.6A	20.6A
Voltage	415V/3Pw/50HZ			
Coil Diameter mm/Fin: length×width mm	4.8"(φ12.7)/24.90×1207(1tube no:38)			
Filter: length×width×thickness mm/quantity	528×650×5/10			

Note: The unit shown is of left hand type.

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

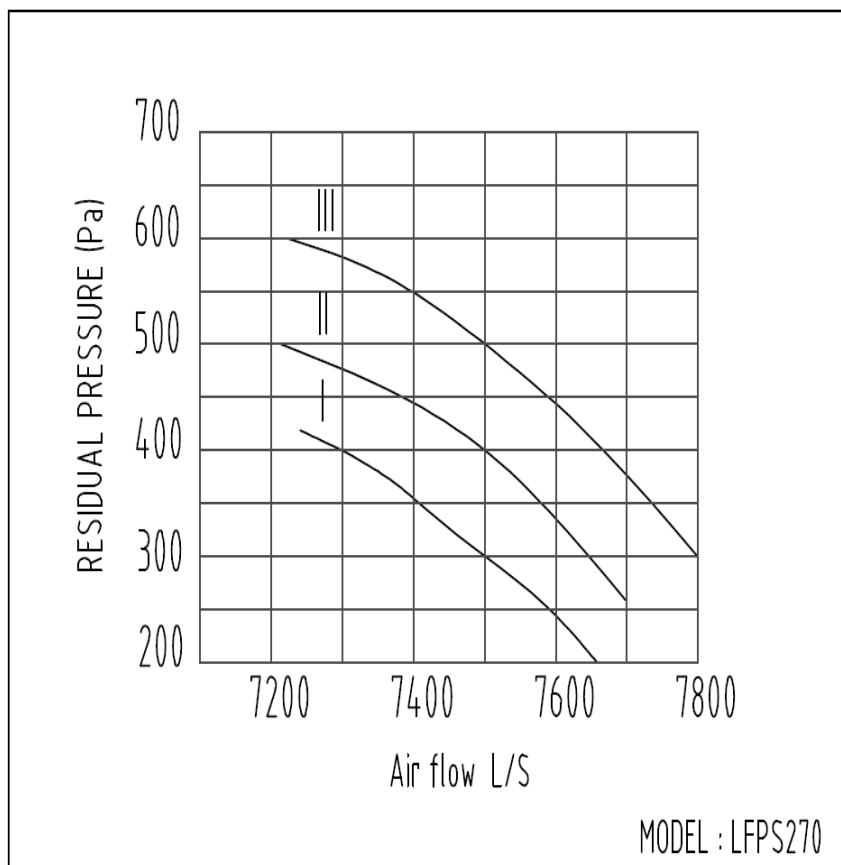
MODEL: LFPS 270	DRANG NO.: 01	ISSUE: 01	SHEET SIZE: A4
TITLE:Water Cooled Fan Coil Unit		LFPS TYPE	


unit motor size above 11kw(including 11kw) use Y-delta starter



Super Slim Ceiling Mounted *Air Handling Unit* LFPS270

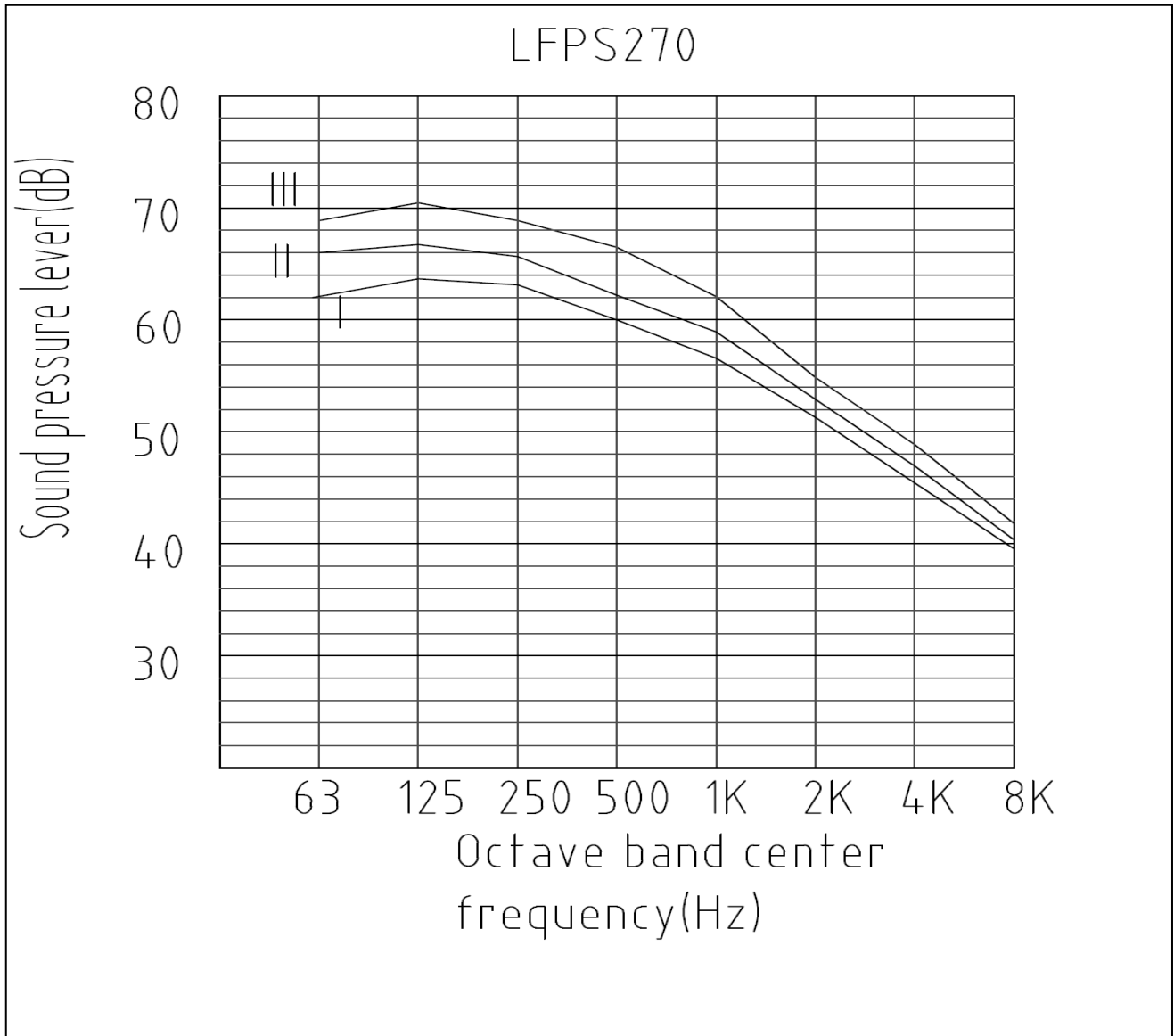
FAN CURVE




DRAWN BY: GUO JINGPENG	DATE: 13/11/2019		
APPROVED D.A.: WU MEIJUN	APPROVED ENG.: ZHANG JINGFEI	TITLE:Water Cooled Fan Coil Unit LFPS TYPE	
MODEL: LFPS270	DRAWING NO.: 01	ISSUE: 01	SHEET SIZE: A4

Super Slim Ceiling Mounted *Air Handling Unit* LFPS270

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: LFPS270		DRAWING NO.: 01	ISSUE: 01	SHEET SIZE: A4