

Super Slim Ceiling Mounted Air Handling Unit LFPS Series LFPS300

Model Number Configuration

LFPS300-4+1: 4 + 1 Row Super Slim Ceiling Mounted

LFPS300-6+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	
LFPS300-4+1	8333	171.4	122.1	8.2	34.8	92.0	2.2	30.9	300	400	450	11	11	11	761.2
LFPS300-6+1	8333	215.3	146.4	10.3	25.5	92.0	2.2	30.9	300	400	450	11	11	15	853.2

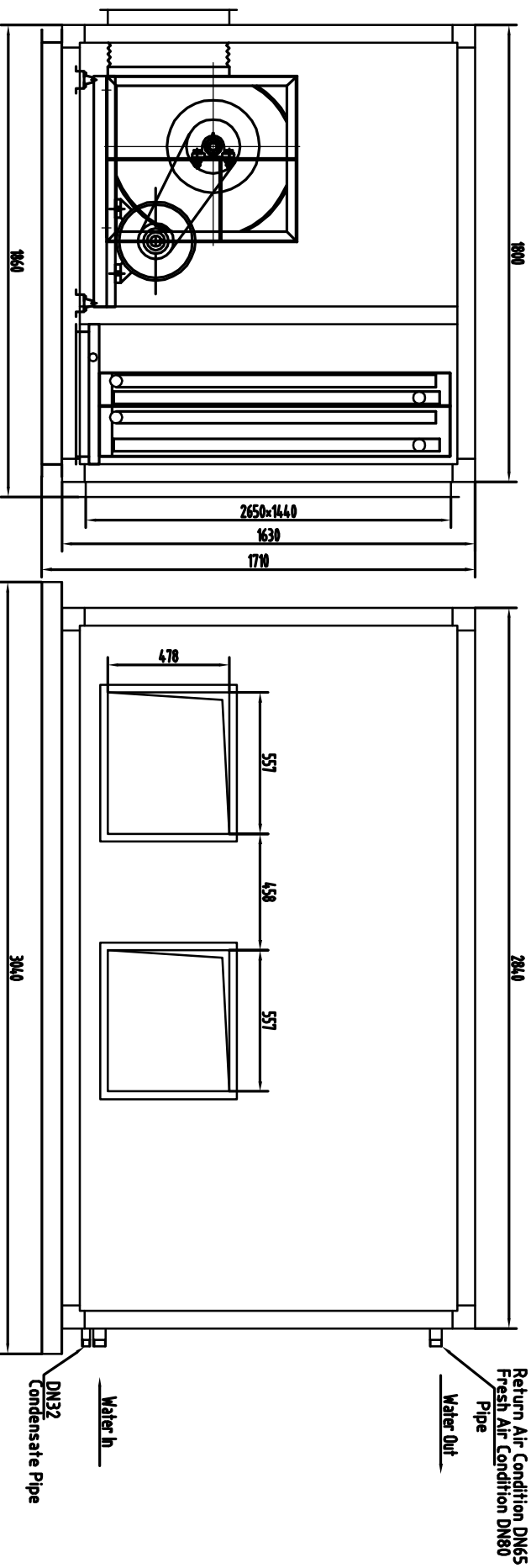
Notes for Return Air:

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 60°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 300

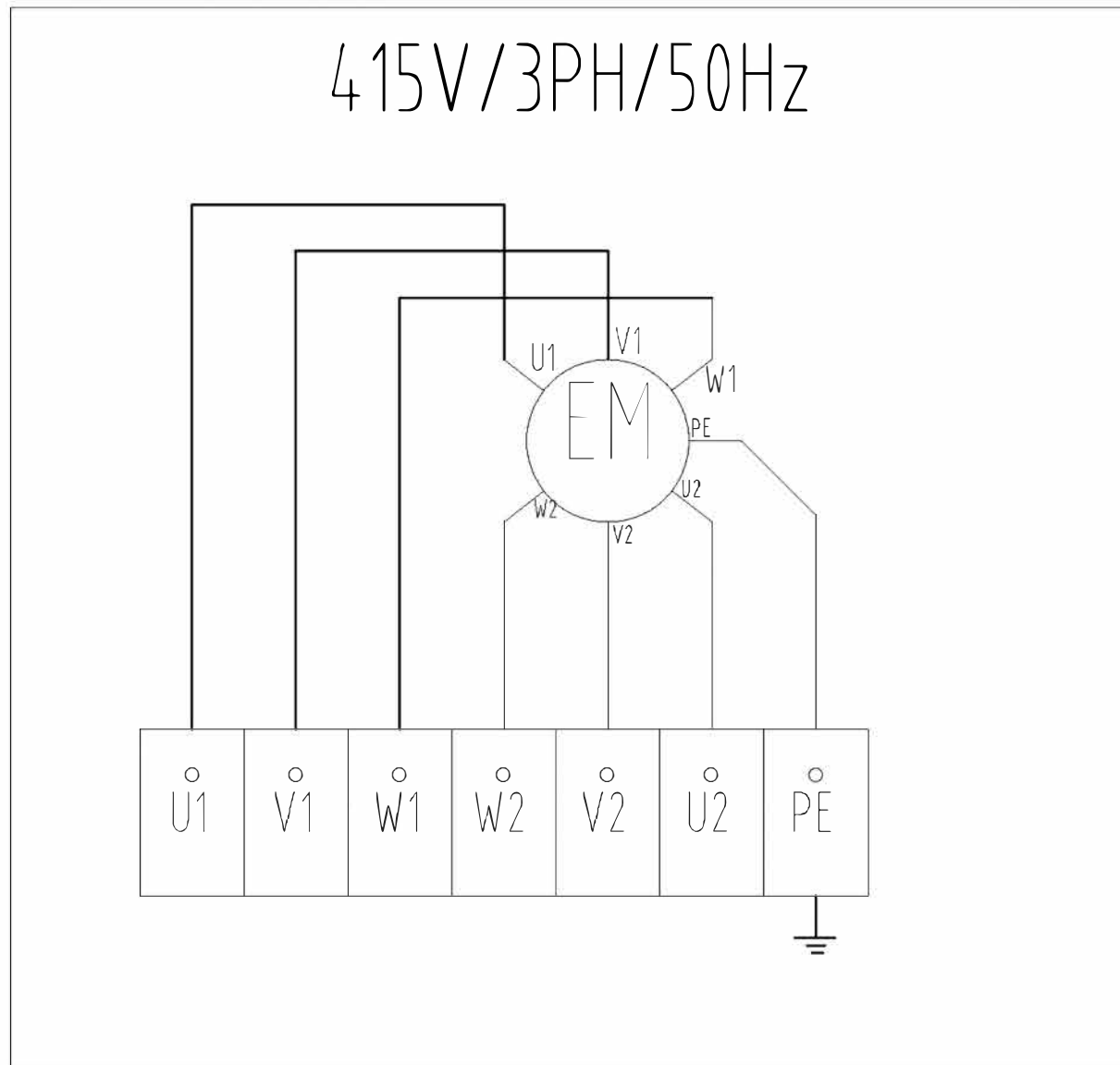


Air Flow l/s.	8333			
External Overbottom Pressure Pa	300		400	
Coil Rows:cooling+heating	4+1	6+1	4+1	6+1
Fan Model/Drive Type	KDFTS18-18K(Belt Drive)			
Fan Speed r/min	802	880	917	833
Motor Pulley	SPB140-3	SPB140-3	SPB140-3	SPB160-3
Fan pulley	SPB250-3	SPB236-3	SPB224-3	SPB236-3
Belt Model/Quantity	SPB1450/3	SPB1400/3	SPB1400/3	SPB1450/3
Motor Power-Pole	11KW-4	11KW-4	11KW-4	15KW-4
A FLA	20.6A	20.6A	20.6A	27.5A
Voltage	4.15V/3PH/50HZ			
Coil Diameter mm/Fins: length×width mm	4.78"(φ12.7)/2490×1334(1tube no.4/2)			
Filter: length×width×Thickness mm/quantity	528×715×15/10			

Note: The unit shown is of left hand type.

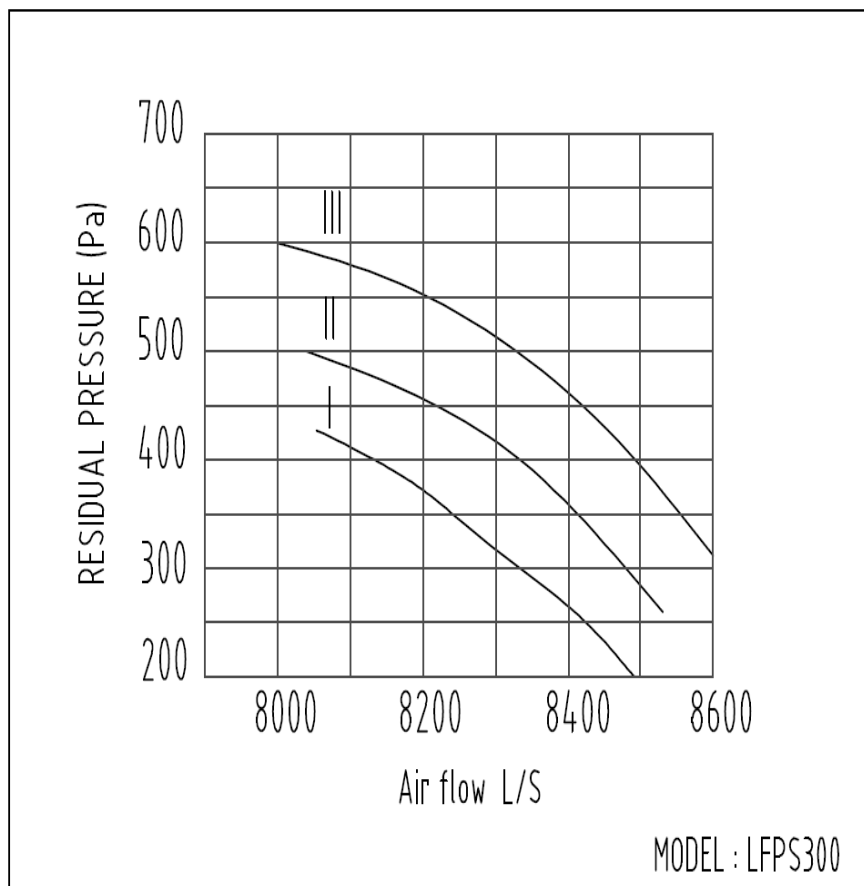
DRAWN BY: GUO JINGPENG	DATE: 24/02/2012	 TITLE:Water Cooled Fan Coil Unit LFPS TYPE	
APPROVED C.A.: WU MEIJUN	APPROVED ENG.: ZHANG JINGFEI		
MODEL: LFPS 300	DRANG NO.: 01	ISSUE: 01	SHEET SIZE: A4

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



Super Slim Ceiling Mounted *Air Handling Unit* LFPS300

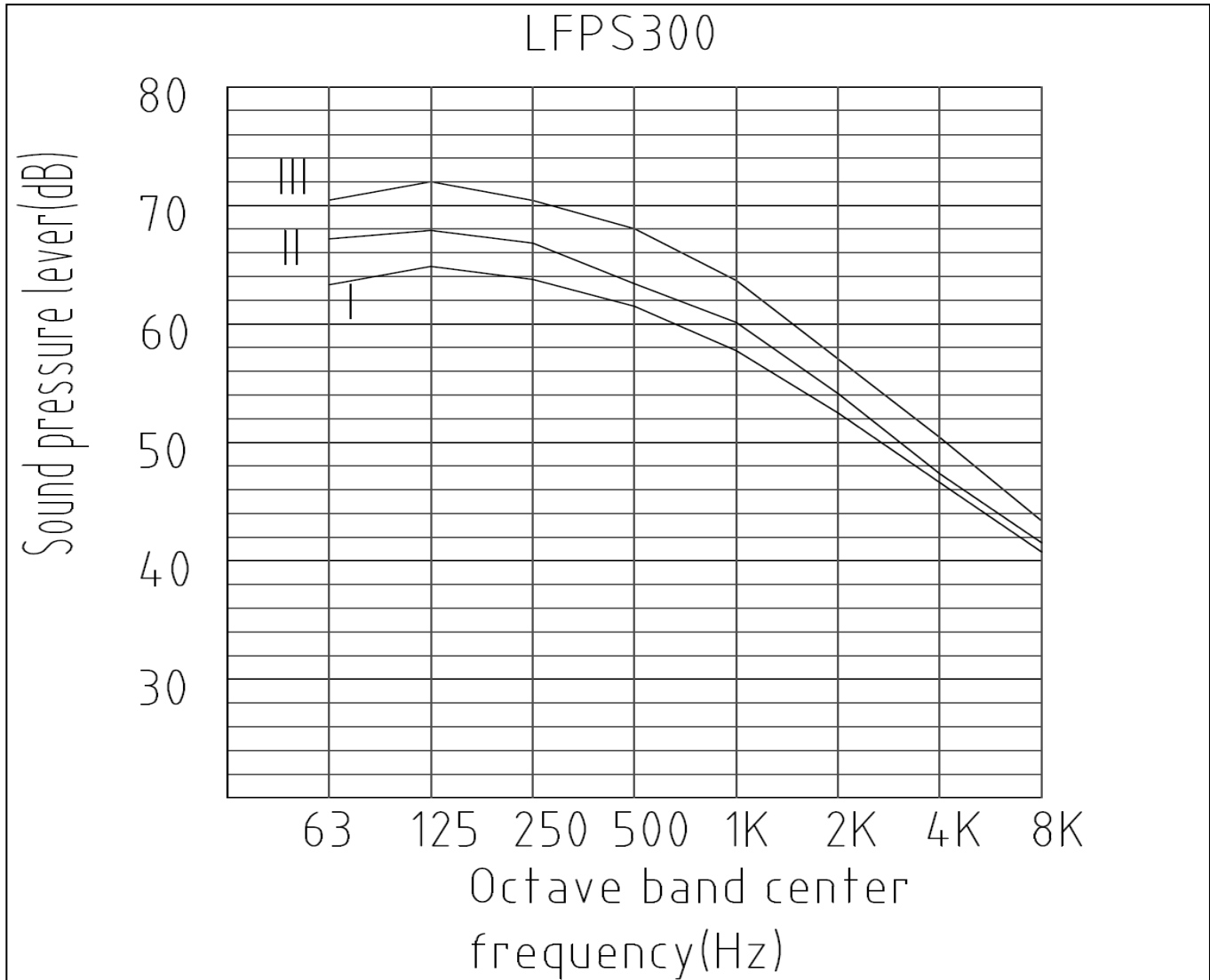
FAN CURVE




DRAWN BY: GUO JINGPENG	DATE: 13/11/2009		
APPROVED Q.A.: WU MEIJIAN	APPROVED ENG.: ZHANG JINGFEI	TITLE: Water Cooled Fan Coil Unit LFPS TYPE	
MODEL: LFPS300	DRAWING NO.: 01	ISSUE: 01	SHEET SIZE: A4

Super Slim Ceiling Mounted *Air Handling Unit* LFPS300

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: LFPS300		DRAWING NO.: 01	ISSUE: 01	SHEET SIZE: A4