

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 l/s	4 Rows Cooling				1 Row Heating			External Excess Pressure			Motor Power			Weight kg
		Total	Sensible	Water Flow	Water Resistance	Rated Heating	Water Flow	Water Resistance	I	II	III	I	II	III	
		kW	kW	l/s	kPa	kW	l/s	kPa	Pa	Pa	Pa	kW	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

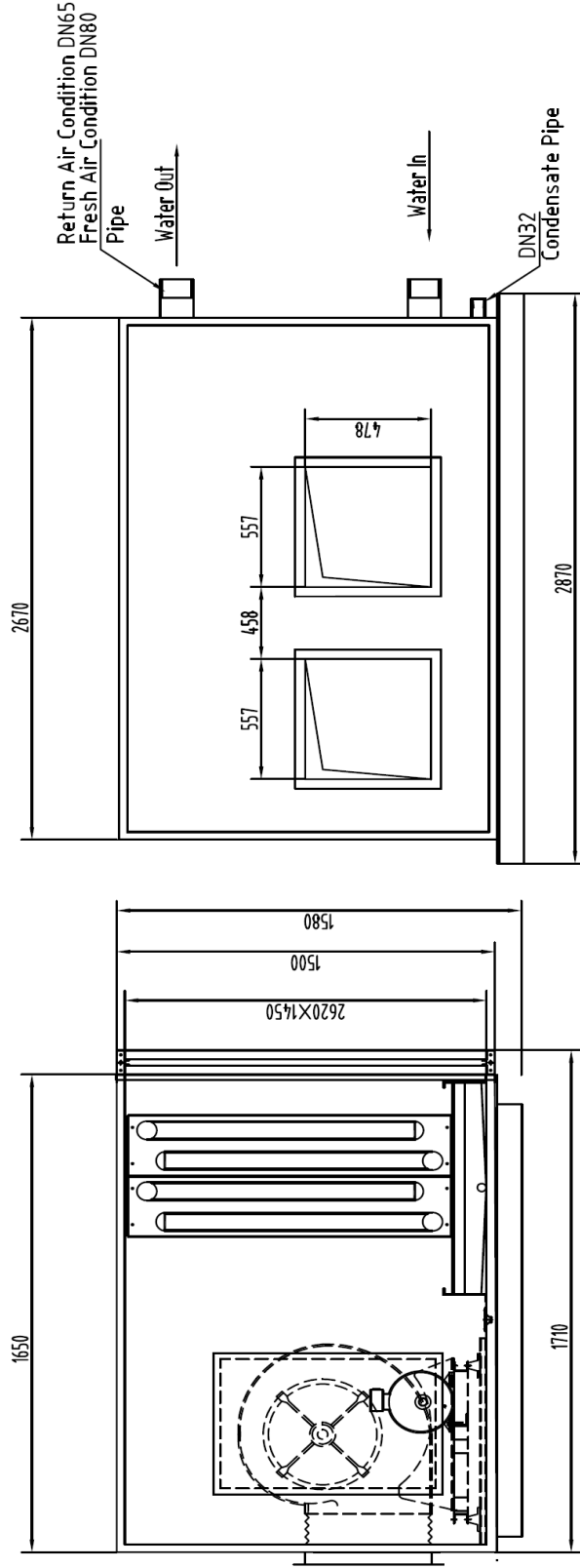
Notes for Return Air:

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 270A

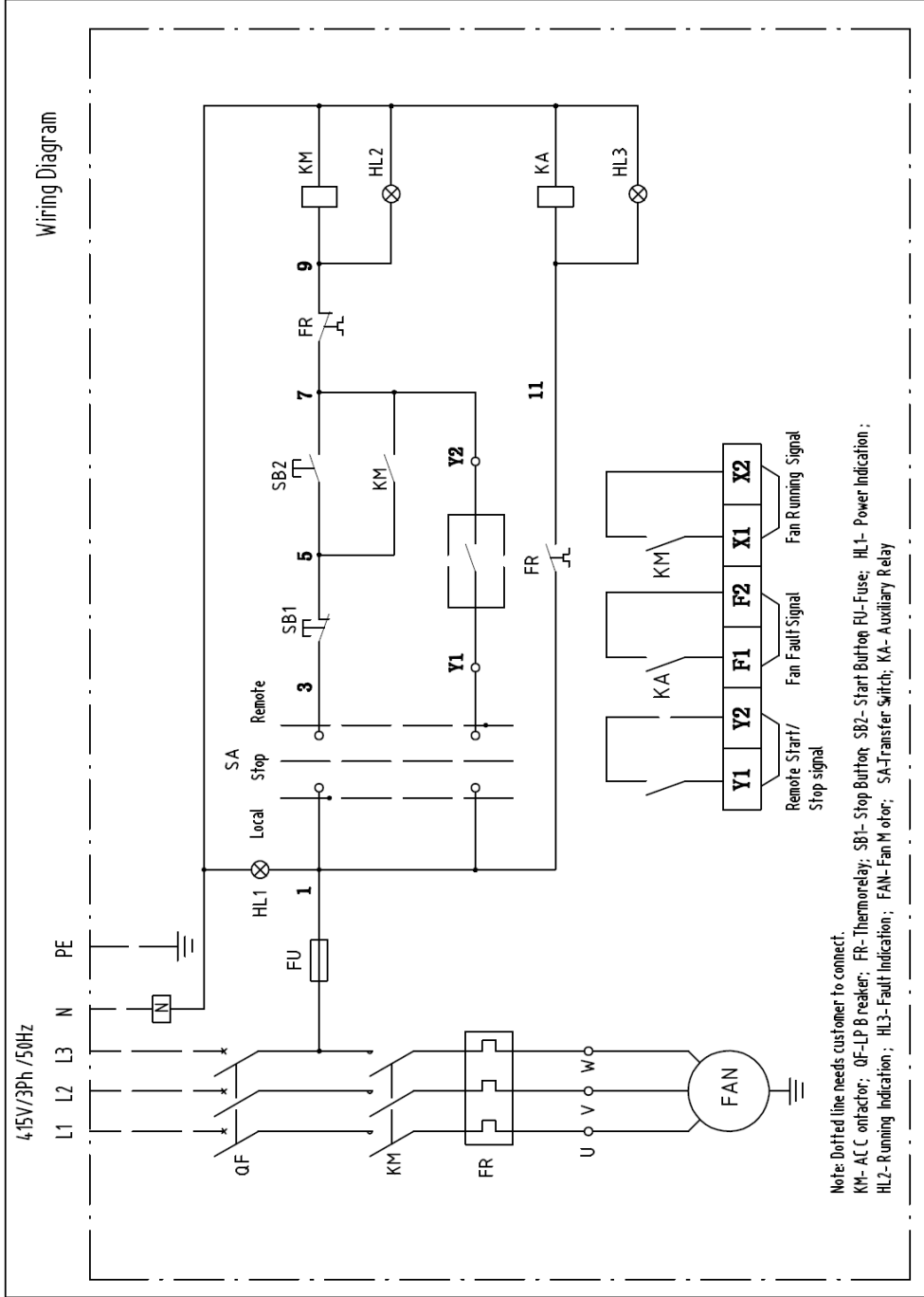


Note: The unit shown is of left hand type.

Air Flow l/s.	7500	
External Overbottom Pressure Pa	300	450
Coil Rows: Cooling+Heating	4+1	6+1
Fan Model (Drive Type)	KDFTS18-18K(Belt Drive)	
Fan Speed r/min	794	903
Motor Pulley	SPB125-3	SPB140-3
Fan pulley	SPB224-3	SPB250-3
Belt Model/Quantity	SPB1320/3	SPB1400/3
Motor Power-Pole	7.5KW-4	11KW-4
A FLA	14.3A	20.6A
Voltage	415V/3Ph/50HZ	
Coil Diameter mm/Fins:Length×Width mm	φ12.7/2350×1270	
Filter:Length×Width×Thickness mm/quantity	524×719×15/10	

DRAWN BY: GUO JINGPENG	DATE: 23/04/2010	
APPROVED O.A.: WU HEIJUN	APPROVED ENG.: ZHANG JINGFEI	
MODEL: LFPS 270A	DRANG NO.: 01	TITLE: Water Cooled Fan Coil Unit LFPS TYPE
	ISSUE: 01	SHEET SIZE: A4

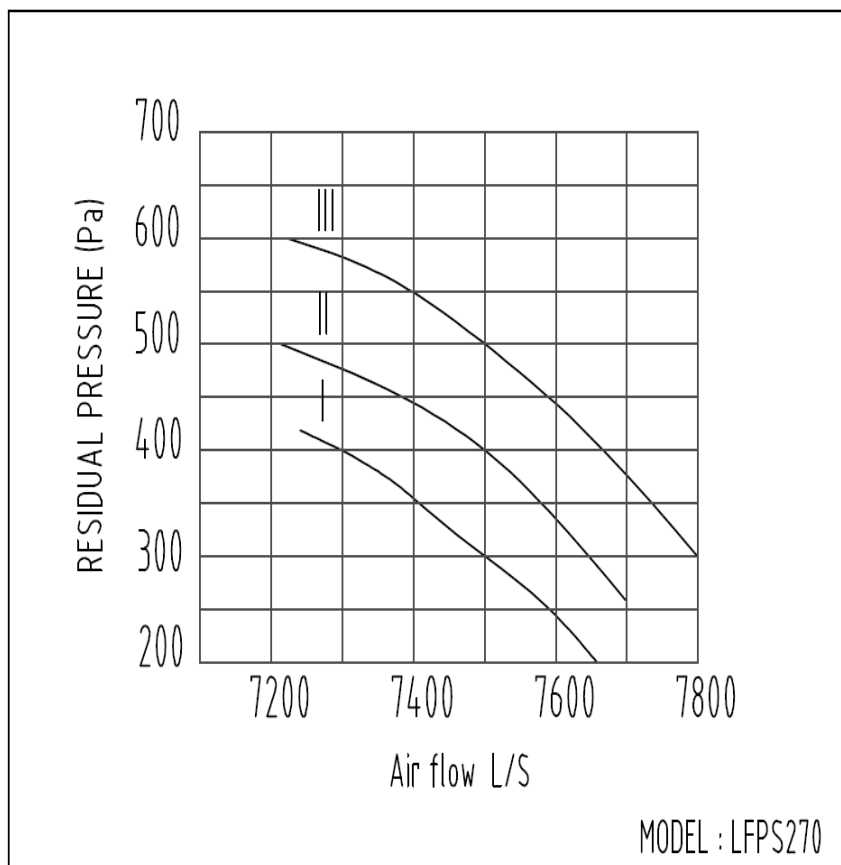
Direct starting type (motor power$\leq 5W$)




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

Super Slim Ceiling Mounted *Air Handling Unit* LFPS270

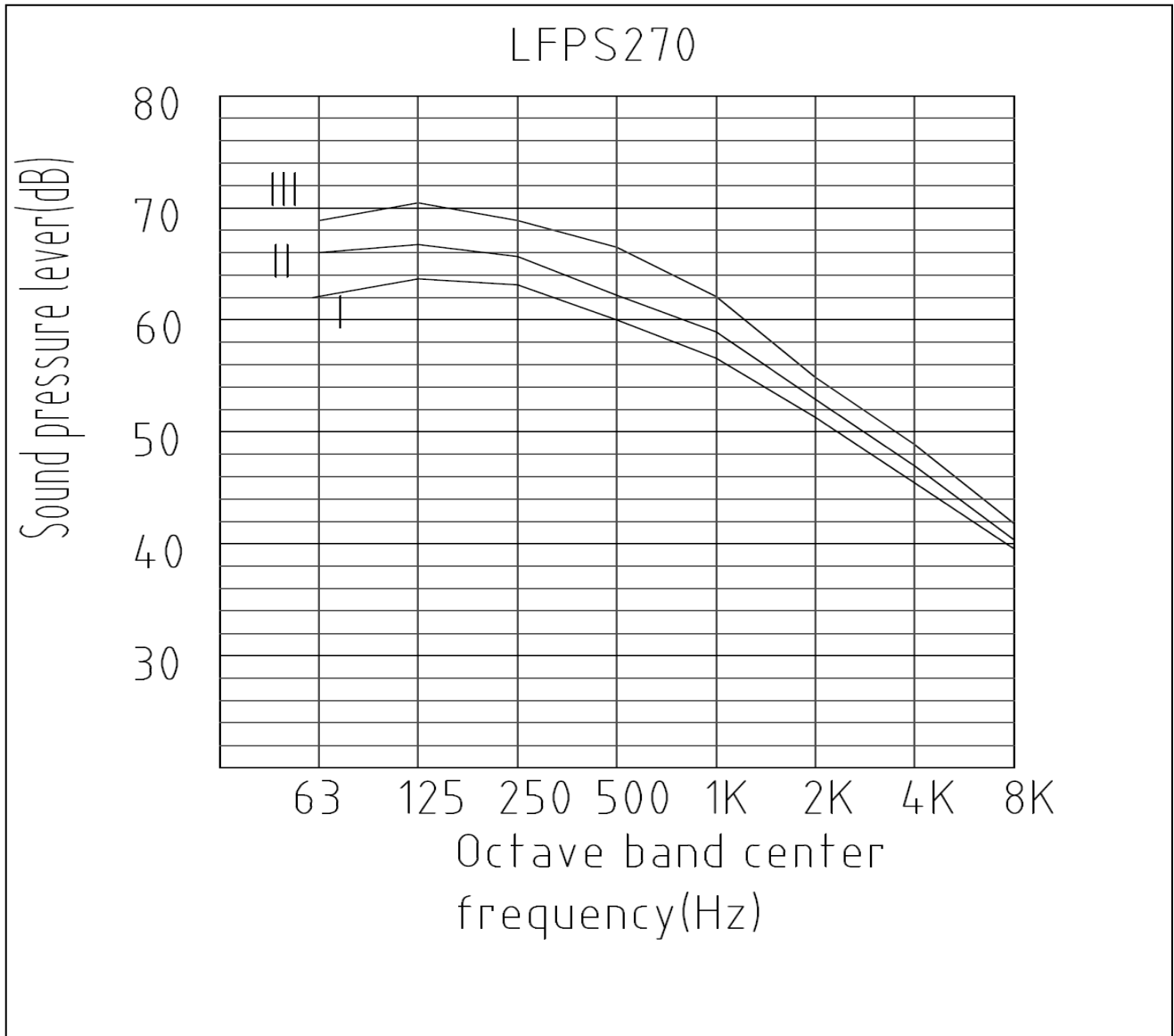
FAN CURVE




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