

Super Slim Ceiling Mounted Air Handling Unit LFPS Series LFPS240

Model Number Configuration

LFPS240-4+1: 4 + 1 Row Super Slim Ceiling Mounted

LFPS240-6+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	
LFPS240-4+1	6667	134.4	96.7	6.4	24.1	72.3	1.7	21.2	300	400	500	7.5	11	11	669.9
LFPS240-6+1	6667	169.2	115.9	8.1	17.8	72.3	1.7	21.2	300	400	500	11	11	11	727.9

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.

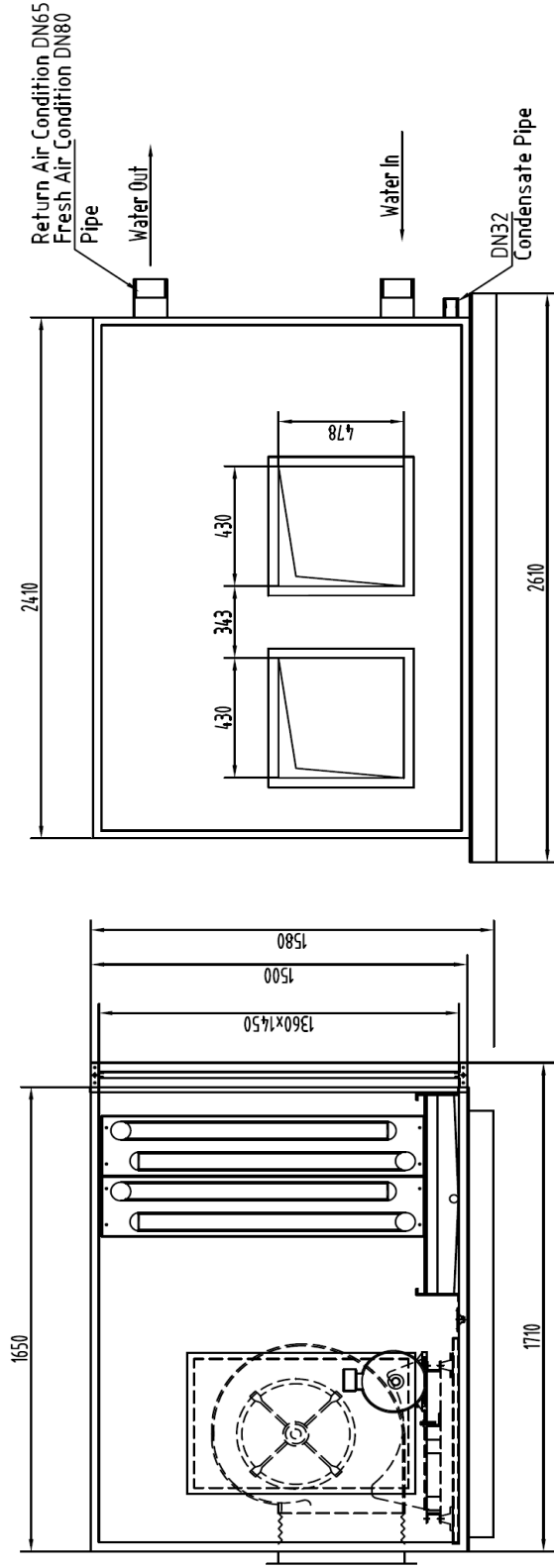
SPECIFICATION

- **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 LFPS240



Diagrams of: LFPS 240A



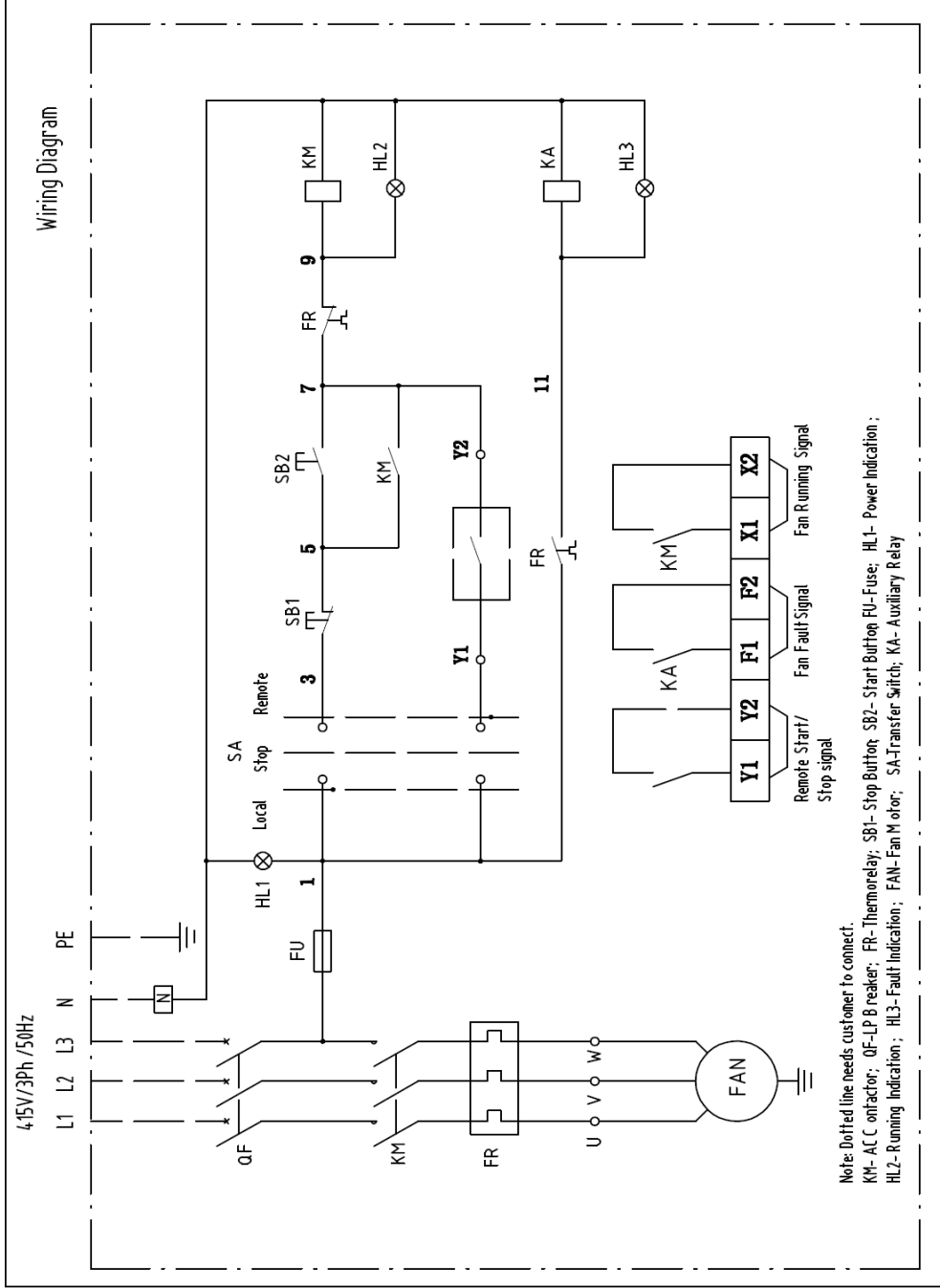
Note: The unit shown is of left hand type.

Air Flow l/s.	6667			
External Overbottom Pressure Pa	300	400	450	450
Coil Rows: Cooling+Heating	4+1	6+1	6+1	6+1
Fan Model (Drive Type)	KDFTS18-13K (Belt Drive)			
Fan Speed r/min	793	861	921	819
Motor Pulley	SPB125-3	SPB140-3	SPB140-3	SPB140-3
Fan pulley	SPB274-3	SPB236-3	SPB274-3	SPB250-3
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/3Ph/50HZ			
Coil Diameter mm/Fins: length x width mm	ø12.7/2130x1270			
Filter: Length x width x Thickness mm/quantity	590x719x15/8			

DRAWN BY: GUO JINGFENG	DATE: 23/04/2010	
APPROVED O.A.: WU HEIJUN	APPROVED ENG.: ZHANG JINGFEI	TITLE: Water Cooled Fan Coil Unit
MODEL: LFPS 240A	DRANG NO.: 01	ISSUE: 01
		SHEET SIZE: A4

LFPS Series Super Slim Ceiling Mounted LFPS240

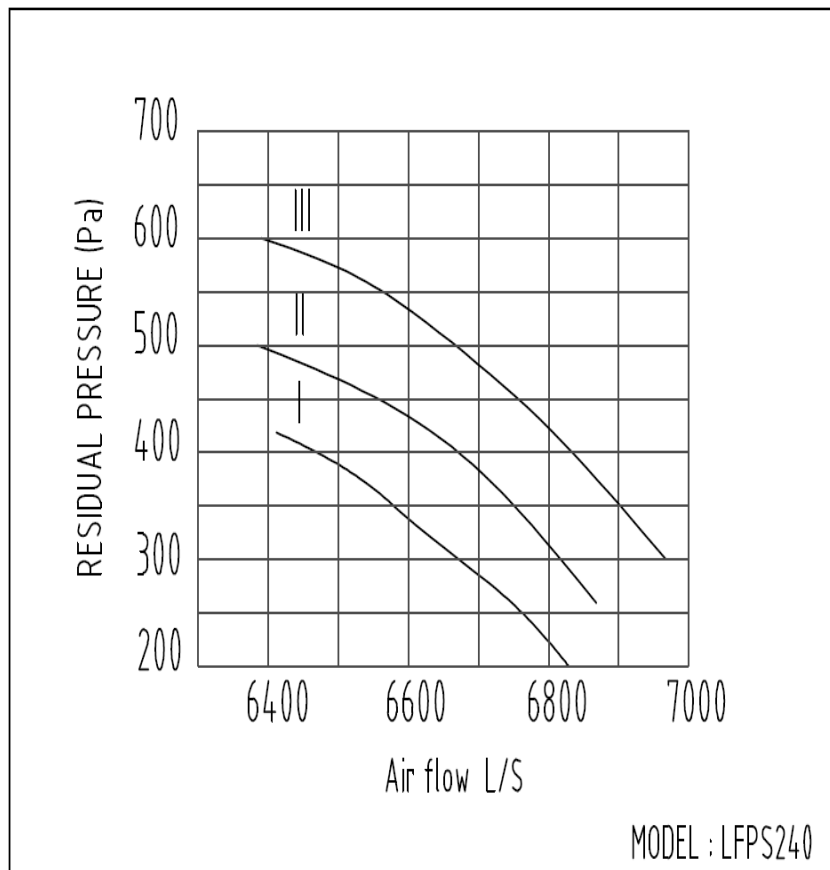
Direct starting type (motor power$\leq 5W$)



DRAWN BY: GUO JINGPENG	DATE: 10/11/2009	
APPROVED Q.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		01

Super Slim Ceiling Mounted *Air Handling Unit* LFPS240

FAN CURVE



DRAWN BY: GUO JINGPENG	DATE: 13/11/2009		
APPROVED D.A.: WU MEIJUN	APPROVED ENG.: ZHANG JINGFEI	TITLE: Water Cooled Fan Coil Unit LFPS TYPE	
MODEL: LFPS240	DRAWING NO.: 01	ISSUE: 01	SHEET SIZE: A4

Super Slim Ceiling Mounted *Air Handling Unit* LFPS240

NOISE CURVE

