

# Super Slim Ceiling Mounted Air Handling Unit LFPS Series LFPS20

## Model Number Configuration

LFPS20-4+1: 4 + 1 Row Super Slim Ceiling Mounted

LFPS20-6+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	
LFPS20-4+1	556	12.9	8.9	0.6	24.4	7.2	0.2	3.3	—	—	210	—	—	0.32	108.9
LFPS20-6+1	556	15.6	10.4	0.7	16.7	7.2	0.2	3.3	—	—	220	—	—	0.45	119

### Notes for Return Air:

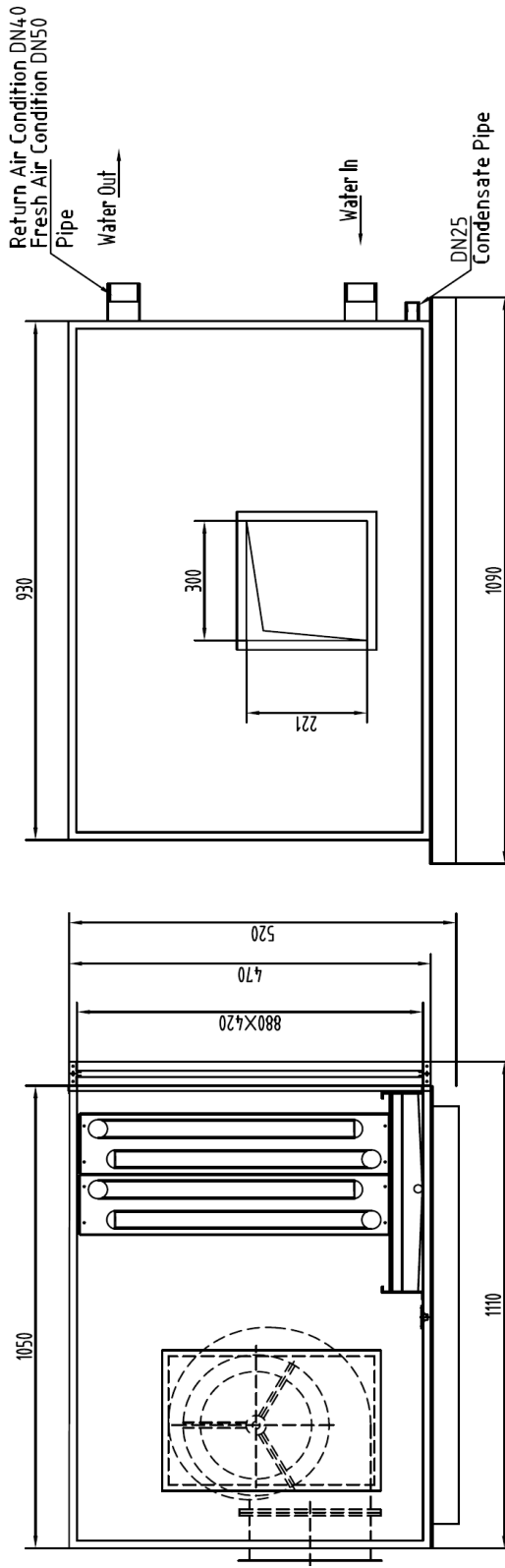
1. Cooling: The water in/out temp. is 7°C/12°C; the air in temp. is 27°C DB / 19.5°C WB
2. Heating: The water in temp. is 80°C / 50°C; the air in temp. is 21°C DB..
3. The motor power offered is the motor output power.
4. The above performance is for reference only. Different air and water conditions would lead to different cooling capacity.

## SPECIFICATION

- **Coil:**  
 LFPS010W-LFPS 120W :  $\phi$  9.52mm, copper tube, aluminium fins  
 LFPS135W-LFPS 300W:  $\phi$  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 LFPS20

Diagrams of: LFPS 020A

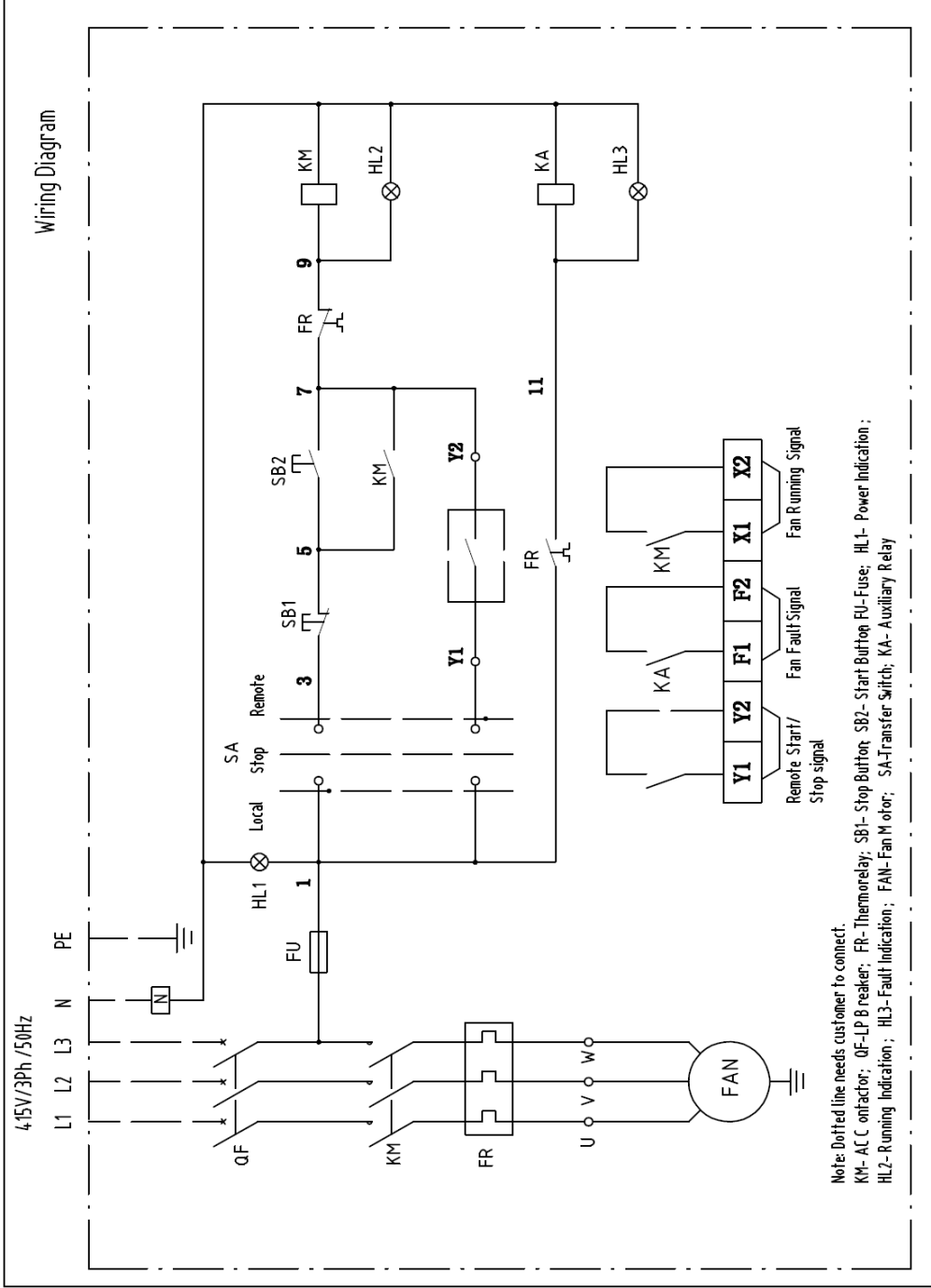


Air Flow l/s.	556
External Overbottom Pressure Pa	210
Coil Rows: Cooling+Heating	4+1
Fan Model (Drive Type)	KDF2.25WS (Direct Drive)
Motor Power-Pole	0.18KW-4
A FLA	0.65A
Voltage	415V/30ph/50HZ
Coil Diameter mm/Fins: Length x width mm	φ9.52/670x356
Filter: Length x width x Thickness mm/ quantity	440x414x15/2

Note: The unit shown is of left hand type.

DRAWN BY: GUO JINGPENG	DATE: 23/04/2010		
APPROVED D.A.J. WU MEIJUN	APPROVED ENG. ZHANG JINGFEI	TITLE: Water Cooled Fan Coil Unit	
MODEL: LFPS 020A	DRANG NO.: 01	ISSUE: 01	SHEET SIZE: A4
		LFPS TYPE	

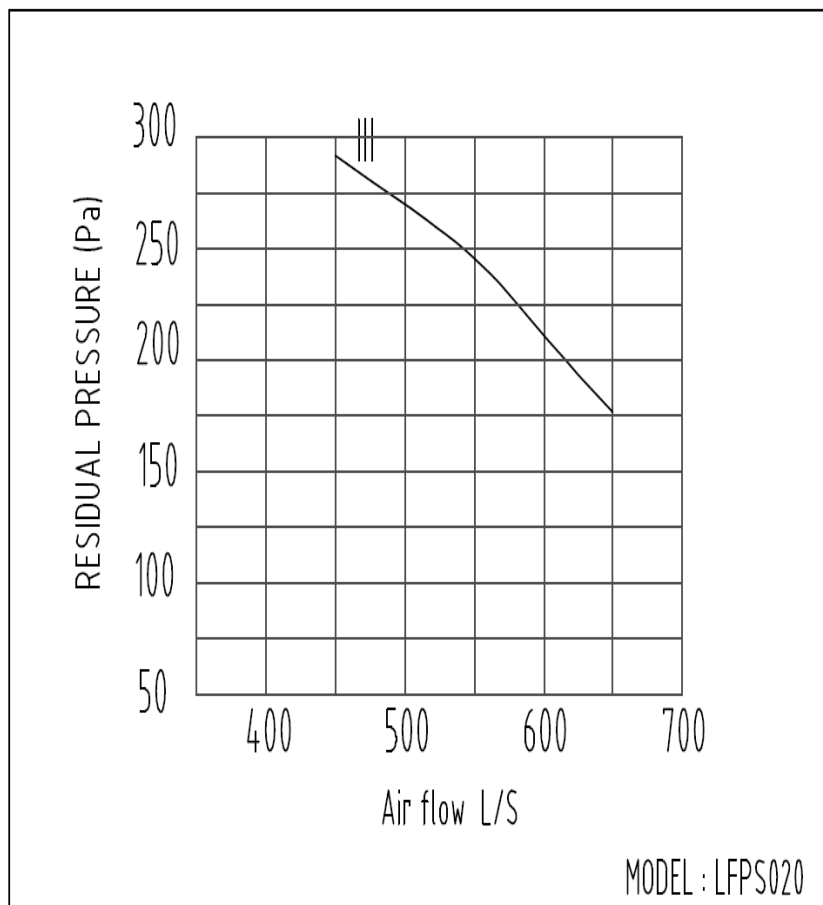
Direct starting type (motor power<15W)




DRAWN BY: GUO JINGPENG	DATE: 10/11/2009	
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		ISSUE: 01

# Super Slim Ceiling Mounted *Air Handling Unit* LFPS20

## FAN CURVE



DRAWN BY: GUO JINSPENG	DATE: 13/11/2009		
APPROVED Q.A.: WU MEIJUN	APPROVED ENG.: ZHANG JINGFEI	TITLE: Water Cooled Fan Coil Unit LFPS TYPE	
MODEL: LFPS020	DRAWING NO.: 01	ISSUE: 01	SHEET SIZE: A4

# Super Slim Ceiling Mounted *Air Handling Unit* LFPS20

## NOISE CURVE

