

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

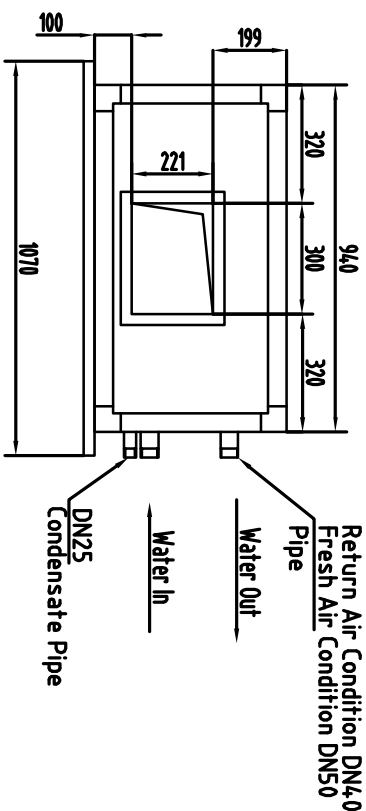
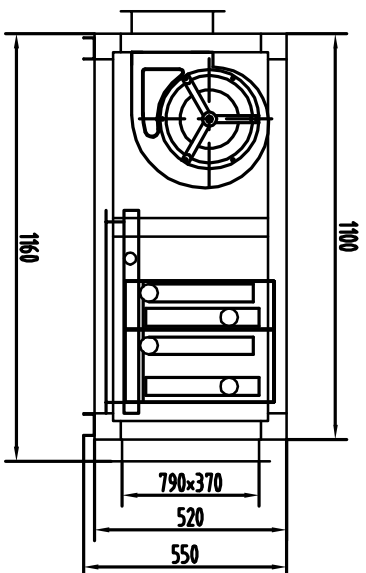
Model	Air Flow	4 Rows Cooling				1 Row Heating			External Excess Pressure			Motor Power			Weight
		Total	Sensible	Water Flow	Water Resistance	Rated Heating	Water Flow	Water Resistance	I	II	III	I	II	III	
		l/s	kW	l/s	kPa	kW	l/s	kPa	Pa	Pa	Pa	kW	kW	kW	
LFPS20-4+1	556	12.9	8.9	0.6	24.4	7.2	0.2	3.3	—	—	210	—	—	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 : 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**



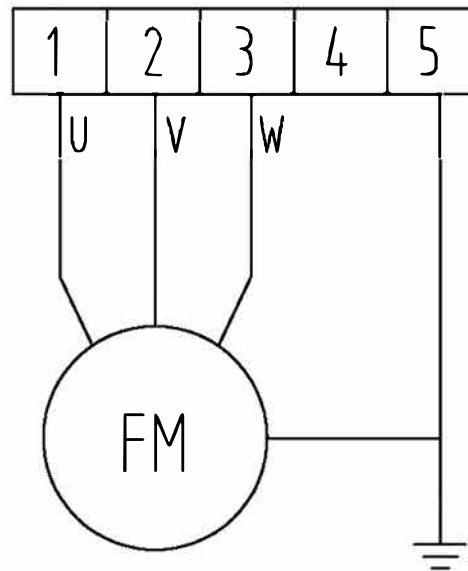
Air Flow l/s.	556	
External Overbottom Pressure Pa	210	220
Coil Rows:(Cooling+Heating)	4+1	6+1
Fan Model(Drive Type)	KDF2.25WS(Direct Drive)	
Motor Power-Pole	0.32KW-4	0.45KW-4
A FLA	1.0A	1.2A
Voltage	4.15V/30ph/50HZ	
Coil Diameter mm/Fins:lengthxwidth mm	3/8"(ø9.52)/670x356(tube no:14)	
Filter:lengthxwidthxThickness mm/quantity	39x36x15/2	

Note:The unit shown is of left hand type.

DRAWN BY: GUO JINGPENG	DATE: 24/02/2012				
APPROVED O.A.: WU MEIJUN	APPROVED ENG.: ZHANG JINGFEI	TITLE:Water Cooled Fan Coil Unit LFPS TYPE			
MODEL: LFPS 020	DRANG NO.: 01	ISSUE: 01	SHEET SIZE: A4		

Wiring Diagram

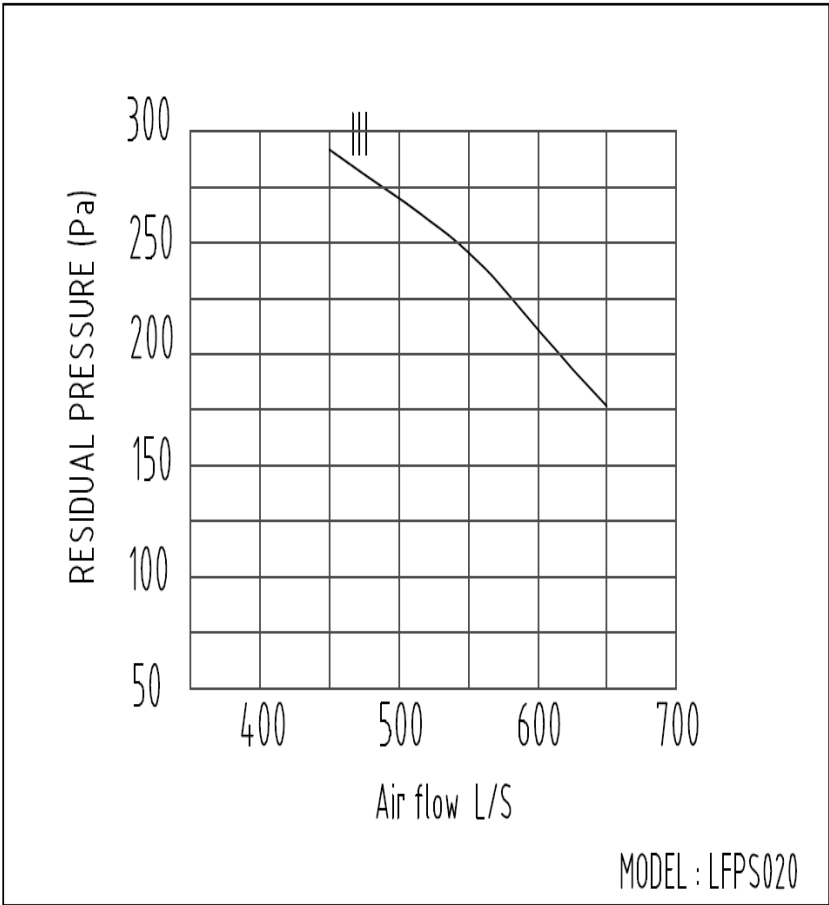
415V/3Ph/50Hz




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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

