

Super Slim Ceiling Mounted Air Handling Unit LFPS Series LFPS180

Model Number Configuration

LFPS180-4+1: 4 + 1 Row Super Slim Ceiling Mounted

LFPS180-6+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 | |
| LFPS180-4+1 | 5000 | 100.0 | 72.3 | 4.8 | 17.6 | 53.1 | 1.3 | 15.3 | 300 | 400 | 500 | 5.5 | 7.5 | 7.5 | 489.6 |
| LFPS180-6+1 | 5000 | 125.7 | 86.5 | 6.0 | 12.9 | 53.1 | 1.3 | 15.3 | 300 | 400 | 500 | 5.5 | 7.5 | 7.5 | 542.6 |

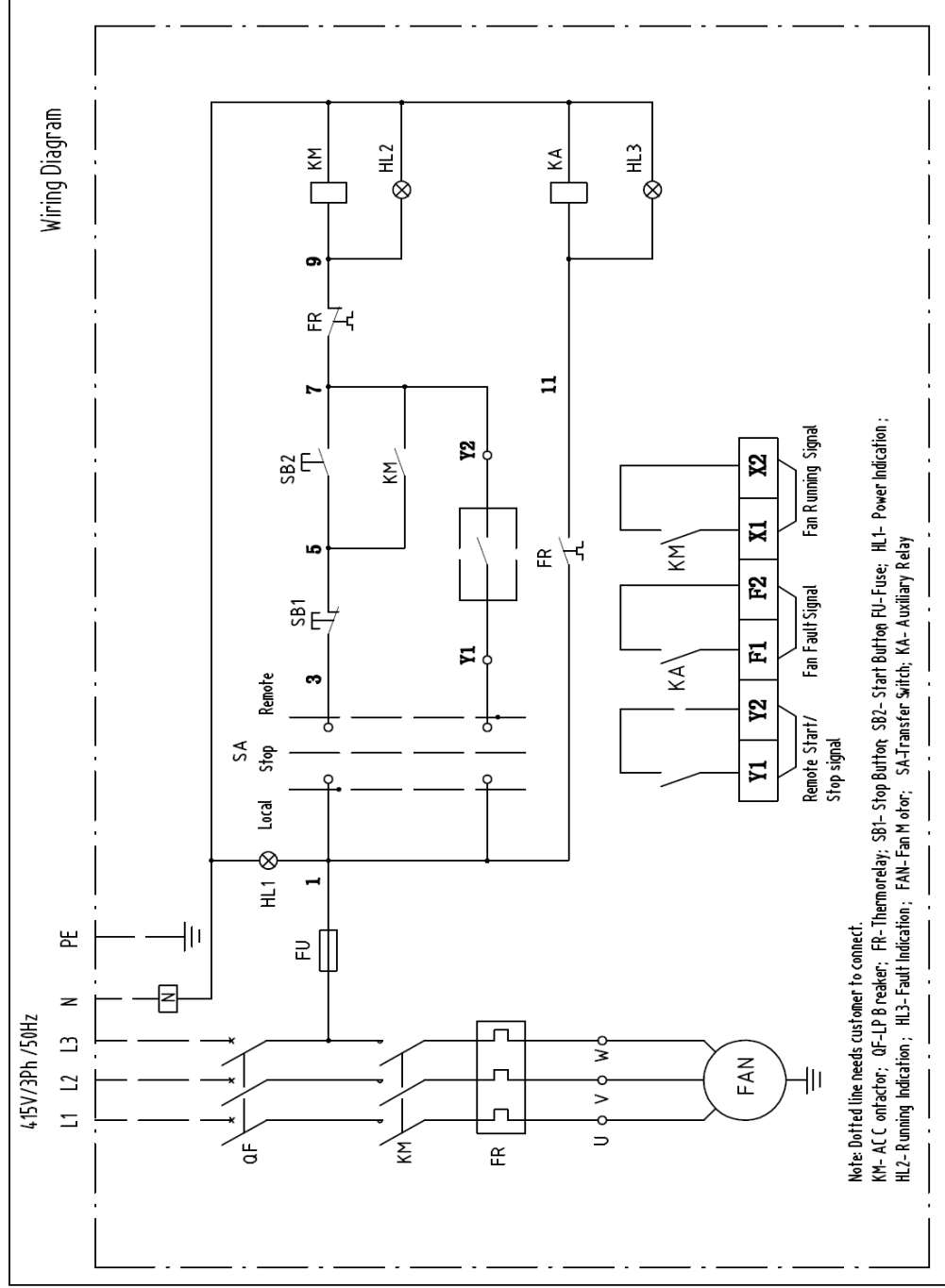
Notes for Return Air:

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**

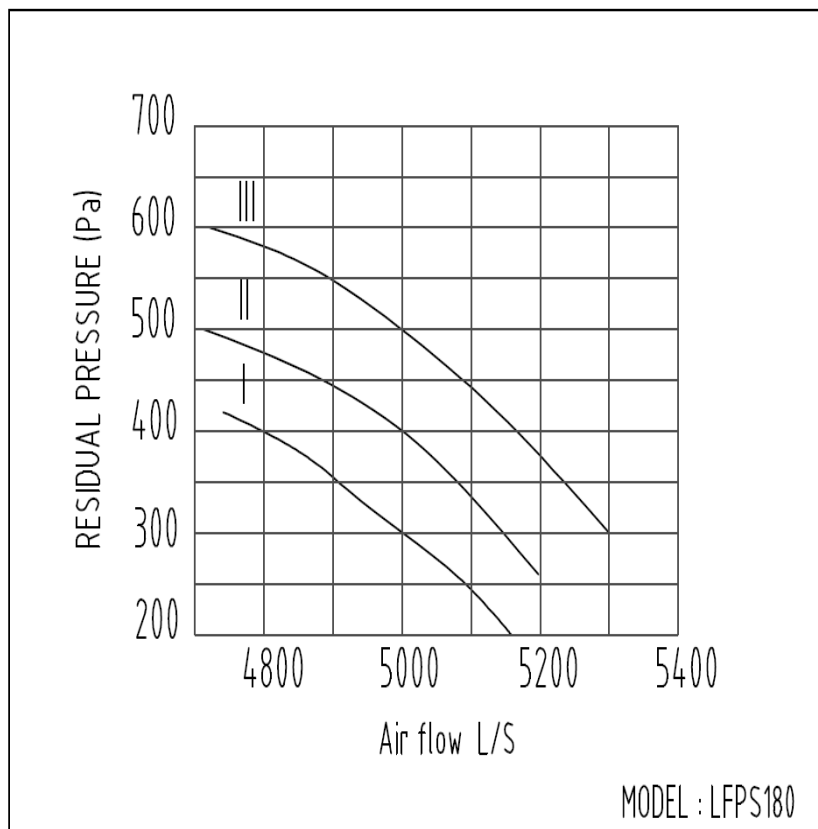
Direct starting type (motor power$15W$)




| | | |
|-----------------------------|---------------------------------|---|
| DRAWN BY: GUO JINGPENG | DATE: 10/11/2009 | |
| APPROVED Q.A.: WU MEIJUN | APPROVED ENG.: ZHANG JINGFEI | TITLE:Water Cooled Fan Coil Unit LFPs TYPE |
| MODEL: LFPs010-270 | DRAWING NO.: 01 | ISSUE: 01 |
| | | SHEET SIZE: A4 |

Super Slim Ceiling Mounted *Air Handling Unit* LFPS180

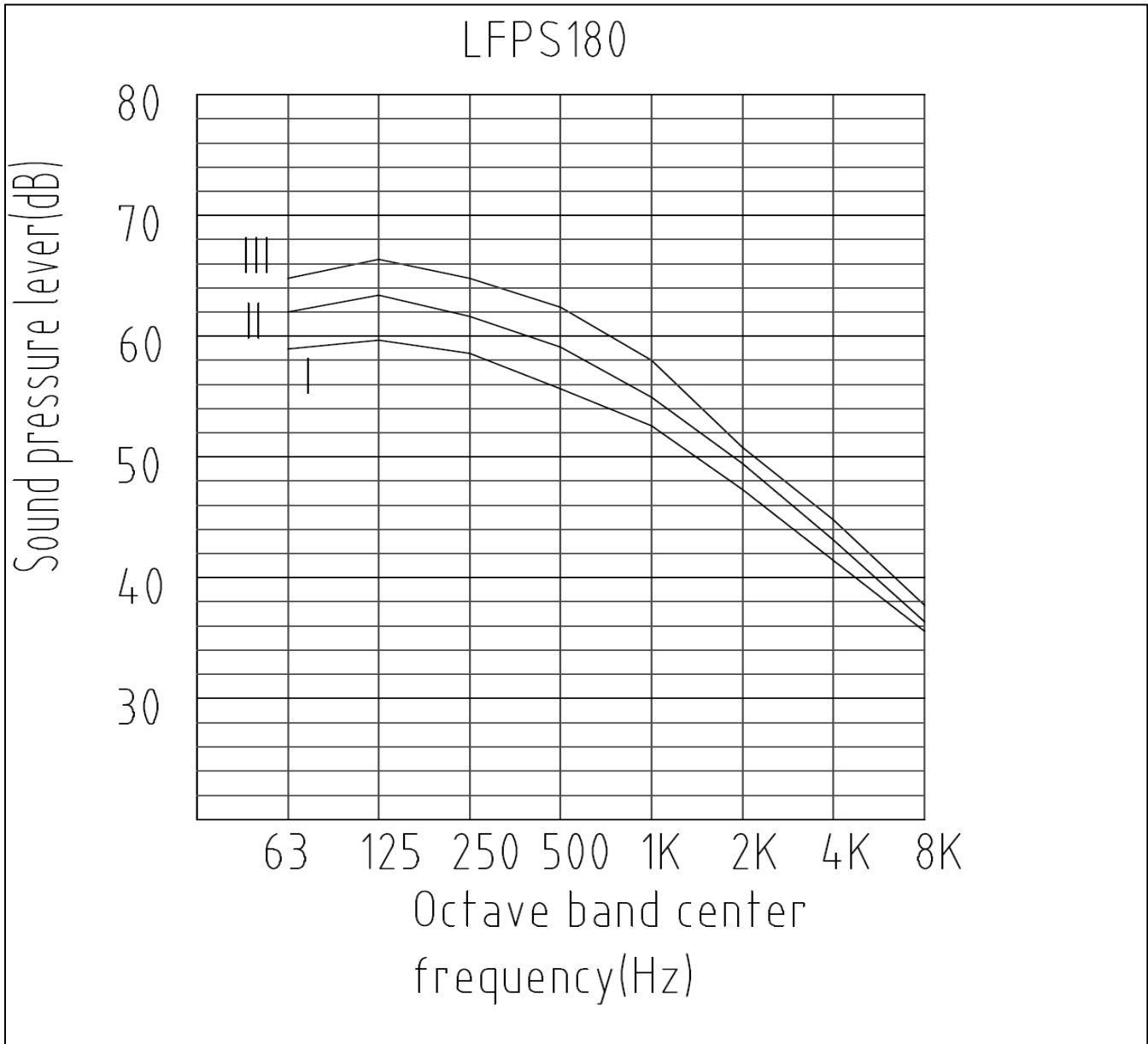
FAN CURVE




| | | | |
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| 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: LFPS180 | DRAWING NO.: 01 | ISSUE: 01 | SHEET SIZE: A4 |

Super Slim Ceiling Mounted *Air Handling Unit* LFPS180

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: LFPS180 | DRAWING NO.: 01 | ISSUE: 01 | SHEET SIZE: A4 | |