

Packaged Air Handling Unit

LSFP Series

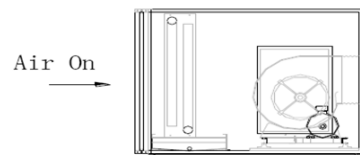
LSFP270

Model Number Configuration

LSFP270-WI-4+1 :	4 + 1 Row: Horizontal Model: Horizontal air discharge
LSFP270-WII-4+1:	4 + 1 Row: Horizontal Model: Vertical air discharge
LSFP270-AWI-4+1:	4 + 1 Row: Horizontal Model: Horizontal air discharge with fan turn 180°
LSFP270-AWII-4+1:	4 + 1 Row: Horizontal Model: Vertical air discharge with fan turn 180°
LSFP270-WI-6+1 :	6 + 1 Row: Horizontal Model: Horizontal air discharge
LSFP270-WII-6+1:	6 + 1 Row: Horizontal Model: Vertical air discharge
LSFP270-AWI-6+1:	6 + 1 Row: Horizontal Model: Horizontal air discharge with fan turn 180°
LSFP270-AWII-6+1:	6 + 1 Row: Horizontal Model: Vertical air discharge with fan turn 180°

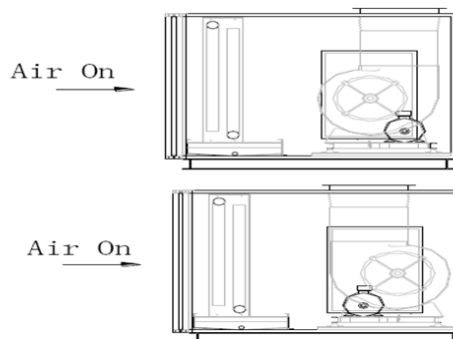
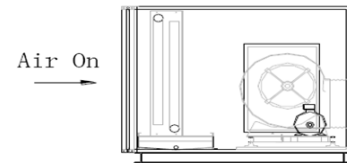
WI

*Horizontal Model with
Horizontal air discharge*



AWI

*Horizontal Model with
fan turn 180° and
Horizontal air discharge*



WII

*Horizontal Model with
Vertical air discharge*

AWII

*Horizontal Model with
fan turn 180° and
Vertical air discharge*

Packaged Air Handling Unit *Horizontal Model*

LSFP270

PERFORMANCE DATA

RETURN AIR

Model	R o w	Air Flow	4 Rows Cooling				1 Row Heating			External Excess Pressure			Motor Power			Unit Weight	
			Total	Sensible	Water Flow	Water Resista nce	Rated Heating	Water Flow	Water Resista nce	I	II	III	I	II	III	Horizontal	Vertical
			l/s	kW	kW	l/s	kPa	kW	l/s	kPa	Pa	Pa	Pa	kW	kW	kW	kg
LSFP270-4+1	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	733
LSFP270-6+1	6 + 1	7500	194.4	132.1	9.3	25.2	83.1	2.0	30.6	300	400	450	11	11	11	790	860

Notes for Return Air:

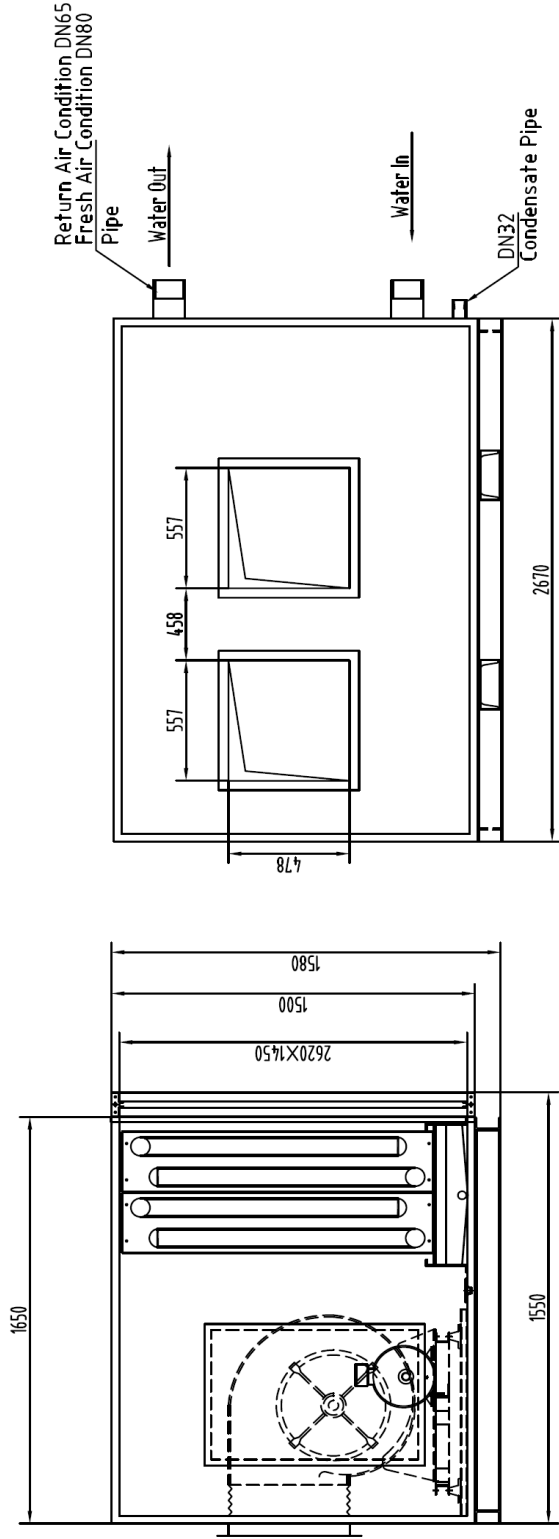
1. Cooling: The water in/out temp. is 7°C/12°C; the air in temp. is 27°C DB / 19.5°C WB
2. Heating: The water in/out temp. is 60°C/50°C; the air in temp. is 21°C DB.
3. The motor power offered is the motor output power.
4. The above performance is for reference only. Different air and water conditions would lead to different cooling capacity.

SPECIFICATION

- **Coil:**
LSFP010W-LSFP 120W : ϕ 9.52mm, copper tube, aluminium fins
LSFP135W-LSFP 300W: ϕ 12.7mm, copper tube, aluminium fins
- **Fan and motor:**
LSFP 010W-LSFP 025W: direct driven, forward curved centrifugal fan
LSFP 030W-LSFP 300W: belt driven, forward curved centrifugal fan
- **Filter: 15mm panel filter**
- **Cabinet: 25mm thick double skinned panel**
- **Drip-tray: powder painting steel sheet**

Packaged Air Handling Unit -Horizontal Model LSPFP270

Diagrams of: LSPFP 270WI



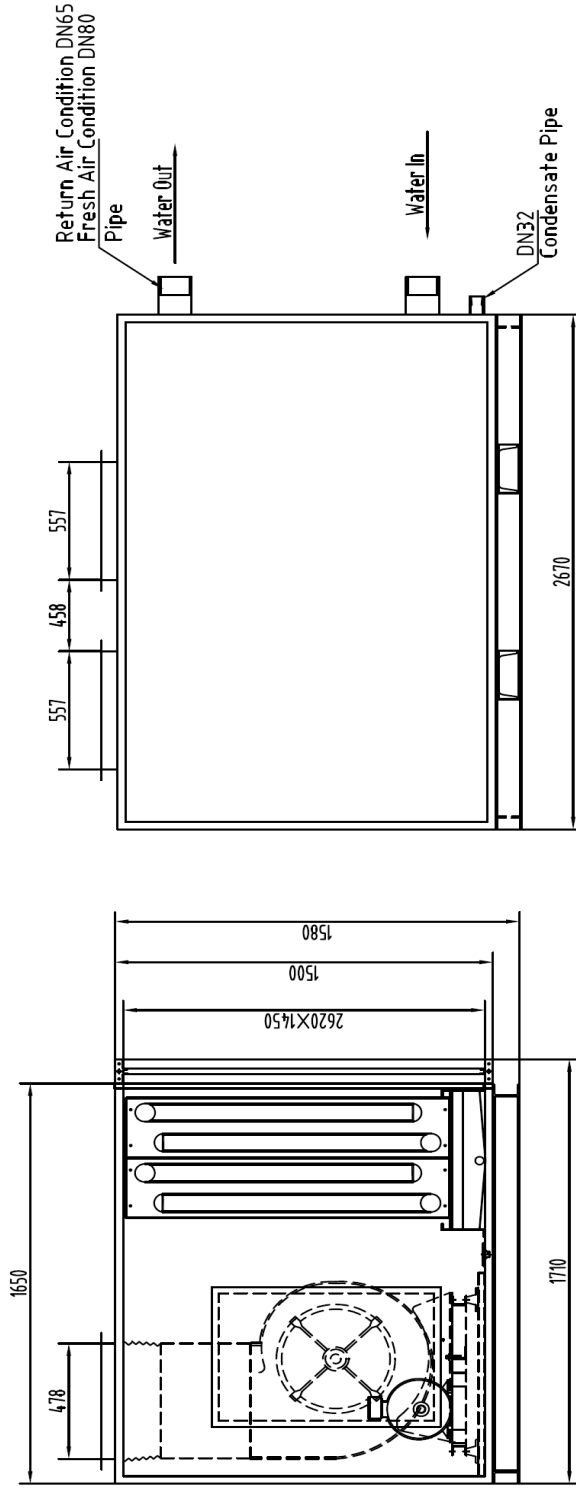
Note: The unit shown is of left hand type.

Air Flow l/s.	7500		450
External Overbottom Pressure Pa	300	400	450
Coil Rows: Cooling+Heating	4+1	6+1	6+1
Fan Model (Drive Type)	KDFTS18-18K(Belt Drive)		
Fan Speed r/min	794	873	940
Motor Pulley	SPB125-3	SPB140-3	SPB140-3
Fan pulley	SPB224-3	SPB236-3	SPB250-3
Belt Model/Quantity	SPB1320/3	SPB1400/3	SPB1400/3
Motor Power-Pole	7.5KW-4	11KW-4	11KW-4
A FLA	14.3A	20.6A	20.6A
Voltage	415V/3Ph/50HZ		
Coil Diameter mm/Fins:Lengthxwidth mm	ø12.7/2390x1270		
Filter:LengthxwidthxThickness mm/quantity	524x719x15/10		

DRAWN BY: GUO JINGPENG	DATE: 22/04/2010	
APPROVED O.A.S: WU MEIJUN	APPROVED ENG: ZHANG JINGFEI	
TITLE: Water Cooled Fan Coil Unit		LSPFP TYPE
MODEL: LSPFP 270WI	DRAWING NO.: 01	
SHEET SIZE: A4		ISSUE: 01

Packaged Air Handling Unit -Horizontal Model LSFP270

Diagrams of: LSFP 270WII



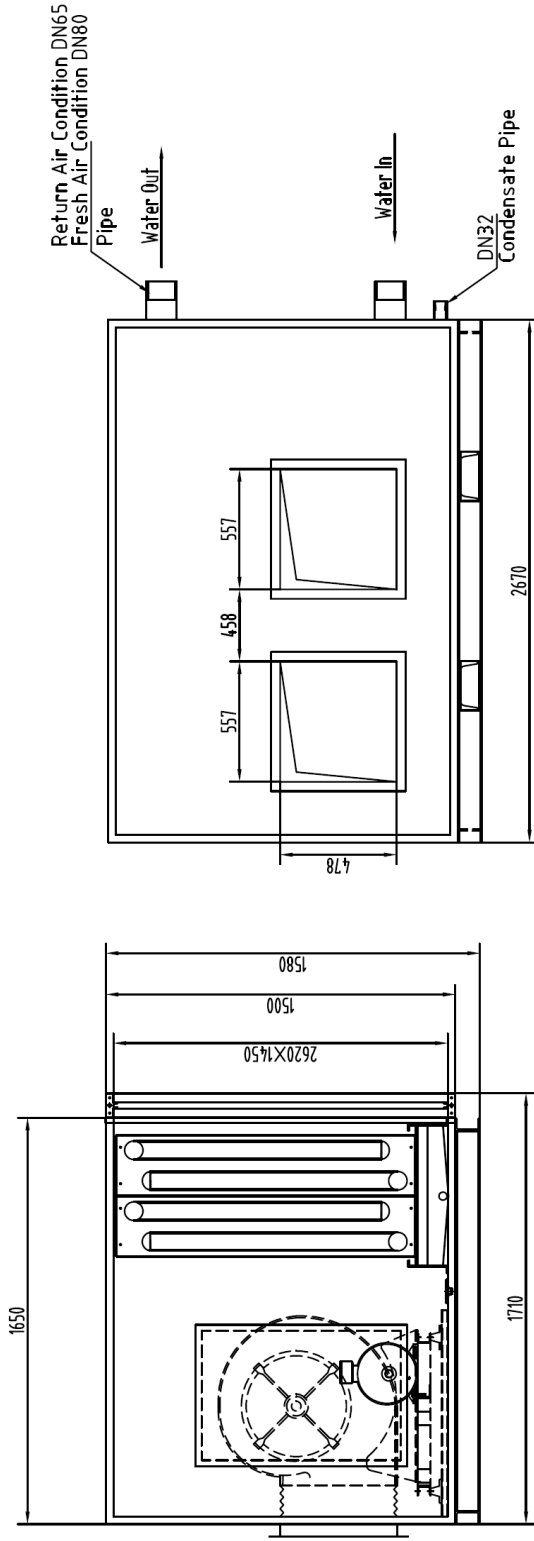
Air Flow l/s.	7500			450
External Overbottom Pressure Pa	300			400
Coil Rows: Cooling+Heating	4+1	6+1	4+1	6+1
Fan Model (Drive Type)	KOFTS18-18K(Belt Drive)			
Fan Speed r/min	794	873	912	826
Motor Pulley	SPB125-3	SPB140-3	SPB140-3	SPB140-3
Fan pulley	SPB224-3	SPB236-3	SPB224-3	SPB272-3
Belt Model/Quantity	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:Lengthxwidth mm	ø12.7/2390x1270			
Filter:LengthxwidthxThickness mm/quantity	524x719x15/10			

Note: The unit shown is of left hand type.

DRAWN BY: GUO JINGPENG	DATE: 22/04/2010	
APPROVED O.A.: WU MEIJUN	APPROVED ENG: ZHANG JINGFEI	
MODEL: LSFP 270WII	DRAWING NO.: 01	TITLE: Water Cooled Fan Coil Unit LSFP TYPE
	ISSUE: 01	SHEET SIZE: A4

Packaged Air Handling Unit -Horizontal Model LSFP270

Diagrams of: LSFP 270AWI



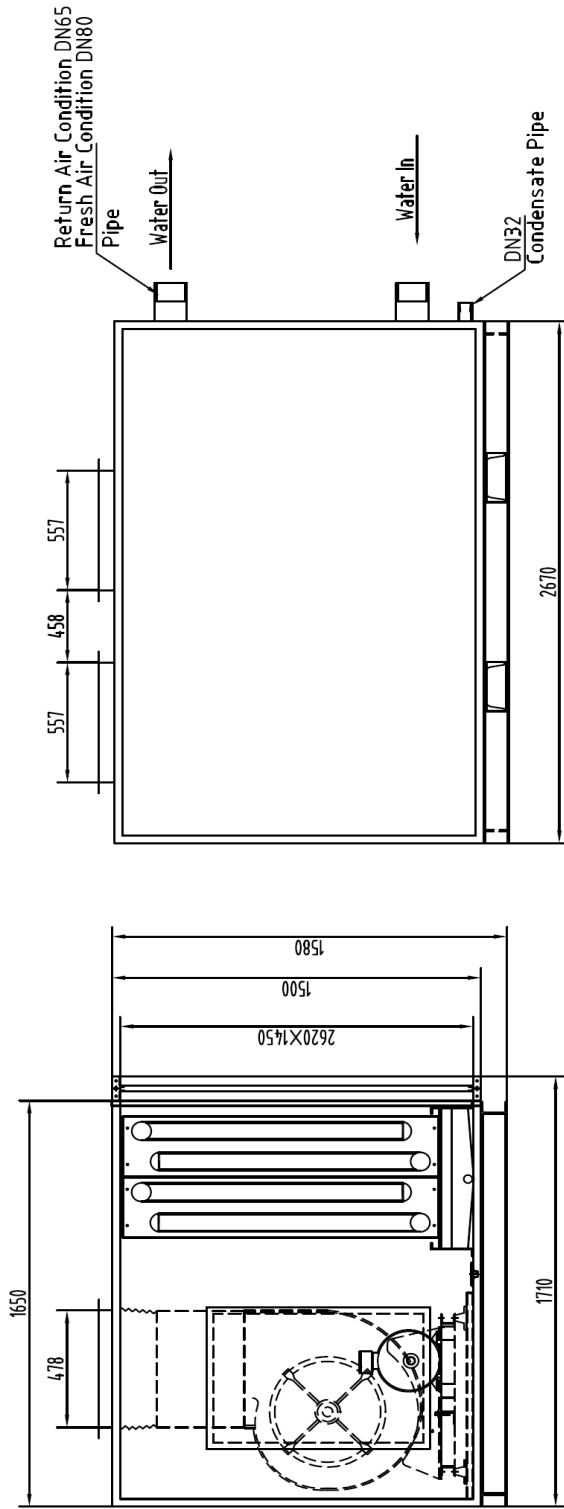
Note: The unit shown is of left hand type.

Air Flow l/s.	7500		400		450	
External Overbottom Pressure Pa	300		4+1		6+1	
Coil Rows: Cooling+Heating	4+1		6+1		6+1	
Fan Model (Drive Type)	KDFTS:18-18K(Belt Drive).					
Fan Speed r/min	794	873	912	826	903	940
Motor Pulley	SPB125-3	SPB140-3	SPB140-3	SPB140-3	SPB140-3	SPB140-3
Fan pulley	SPB224-3	SPB236-3	SPB224-3	SPB250-3	SPB224-3	SPB212-3
Belt Model/Quantity	SPB1320/3	SPB1400/3	SPB1400/3	SPB1400/3	SPB1400/3	SPB1400/3
Motor Power-Pole	7.5KW-4	11KW-4	11KW-4	11KW-4	11KW-4	11KW-4
A FLA	14.3A	20.6A	20.6A	20.6A	20.6A	20.6A
Voltage	4:15V/3PH/50HZ					
Coil Diameter mm/Flins:LengthxWidth mm	ø12.7/2390x1270					
Filter:LengthxWidthxThickness mm/quantity	524x719x15/10					

DRAWN BY: GUO JINGPENG	DATE: 22/04/2010	
APPROVED O.A.: WU MEIJUN	APPROVED ENG.: ZHANG JINGFEI	
TITLE: Water Cooled Fan Coil Unit		LSFP TYPE
MODEL: LSFP 270AWI		
DRAWING NO.: 01		ISSUE: 01
SHEET SIZE: A4		44


Packaged Air Handling Unit -Horizontal Model LSPF270

Diagrams of: LSPF 270AWII



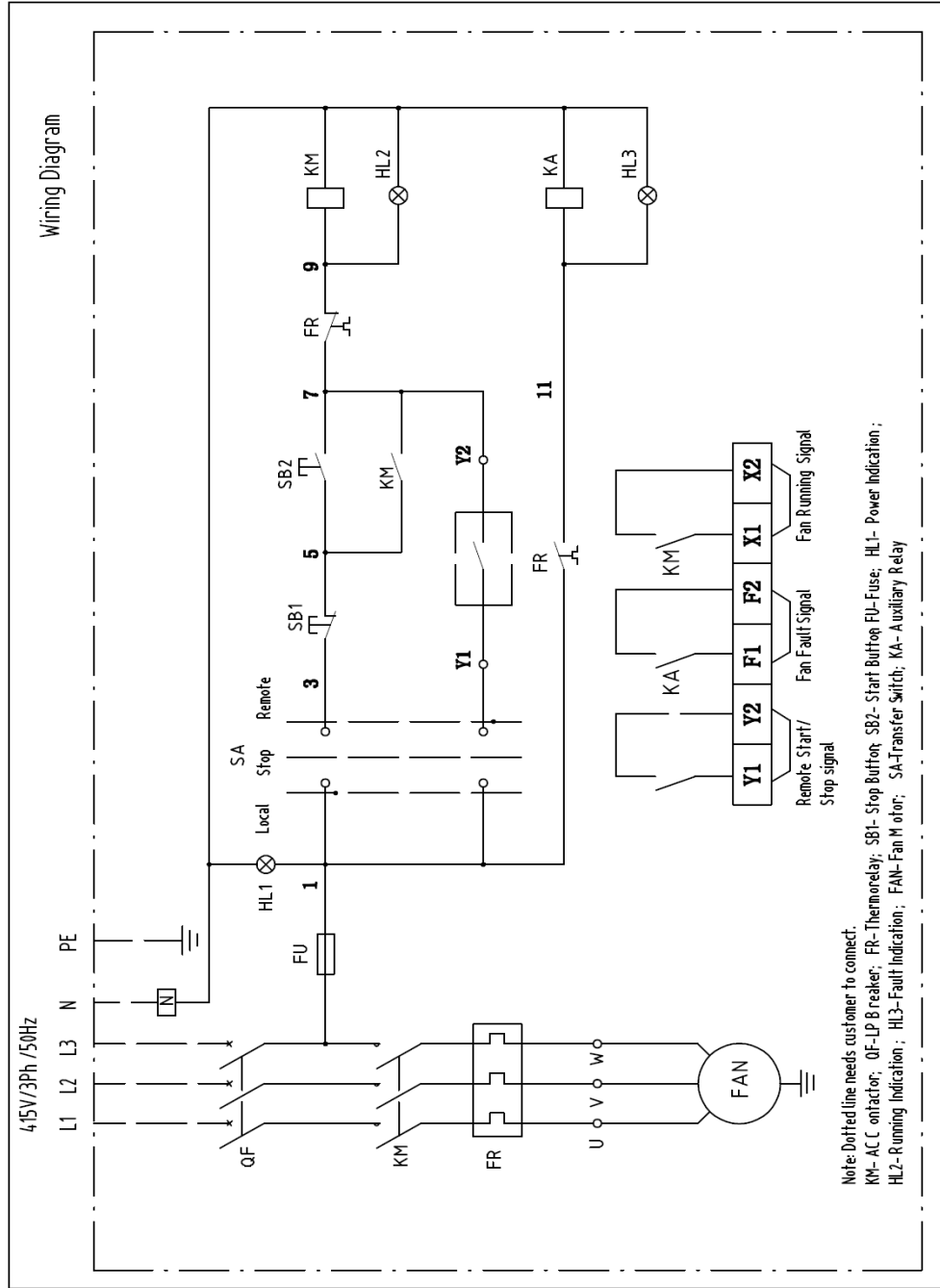
Note: The unit shown is of left hand type.

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	940
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/3Pn/50HZ	
Coil Diameter mm/Fins:Lengthxwidth mm	φ12.7/2390x1270	
Filter:Lengthxwidthxthickness mm/quantity	524x719x15/10	

DRAWN BY: GUO JINGPENG	DATE: 22/04/2010	
APPROVED O.A.: WU MEIJUN	APPROVED ENG.: ZHANG JINGFEI	
MODEL: LSPF 270AWII	DRAWING NO.: 01	TITLE: Water Cooled Fan Coil Unit LSPF TYPE
	ISSUE: 01	SHEET SIZE: A4

Packaged Air Handling Unit -Horizontal Model LSFP270

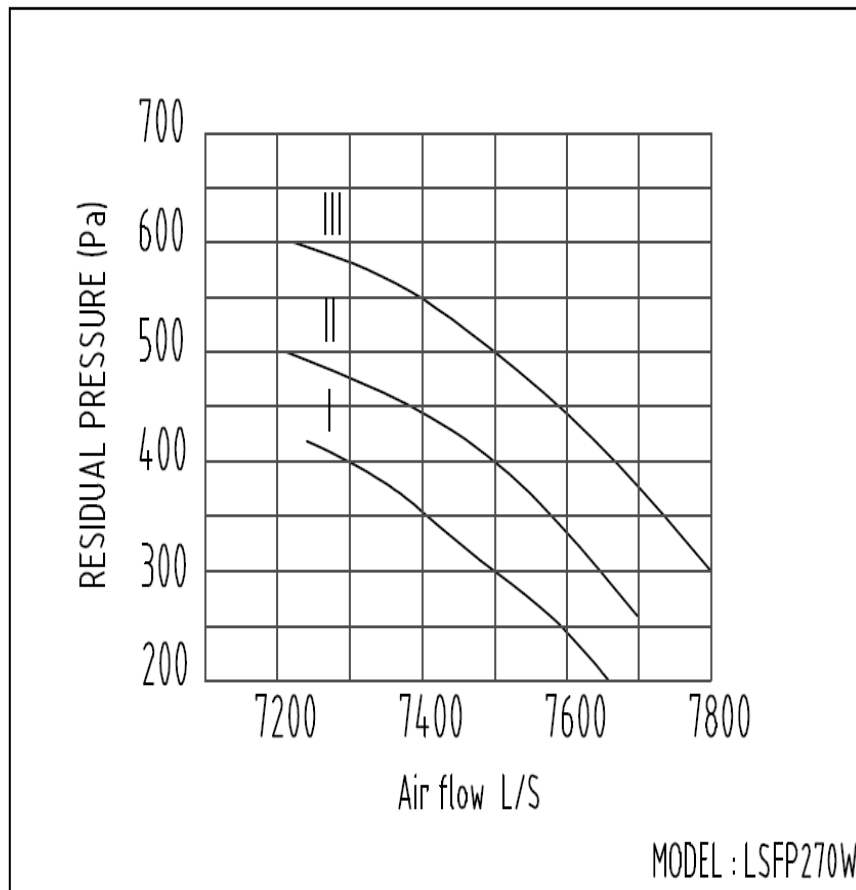
Direct starting type (motor power⁴5W)



DRAWN BY: GUO JINGFENG	DATE: 10/11/2009	
APPROVED D.A.: WU MEIJUN	APPROVED ENG: ZHANG JINGFEI	
MODEL: LSFP010-270		TITLE:Water Cooled Fan Coil Unit LSFP TYPE
DRAWING NO.: 01		ISSUE: 01
		SHEET SIZE: A4

Packaged Air Handling Unit *Horizontal Model* LSFP270

FAN CURVE

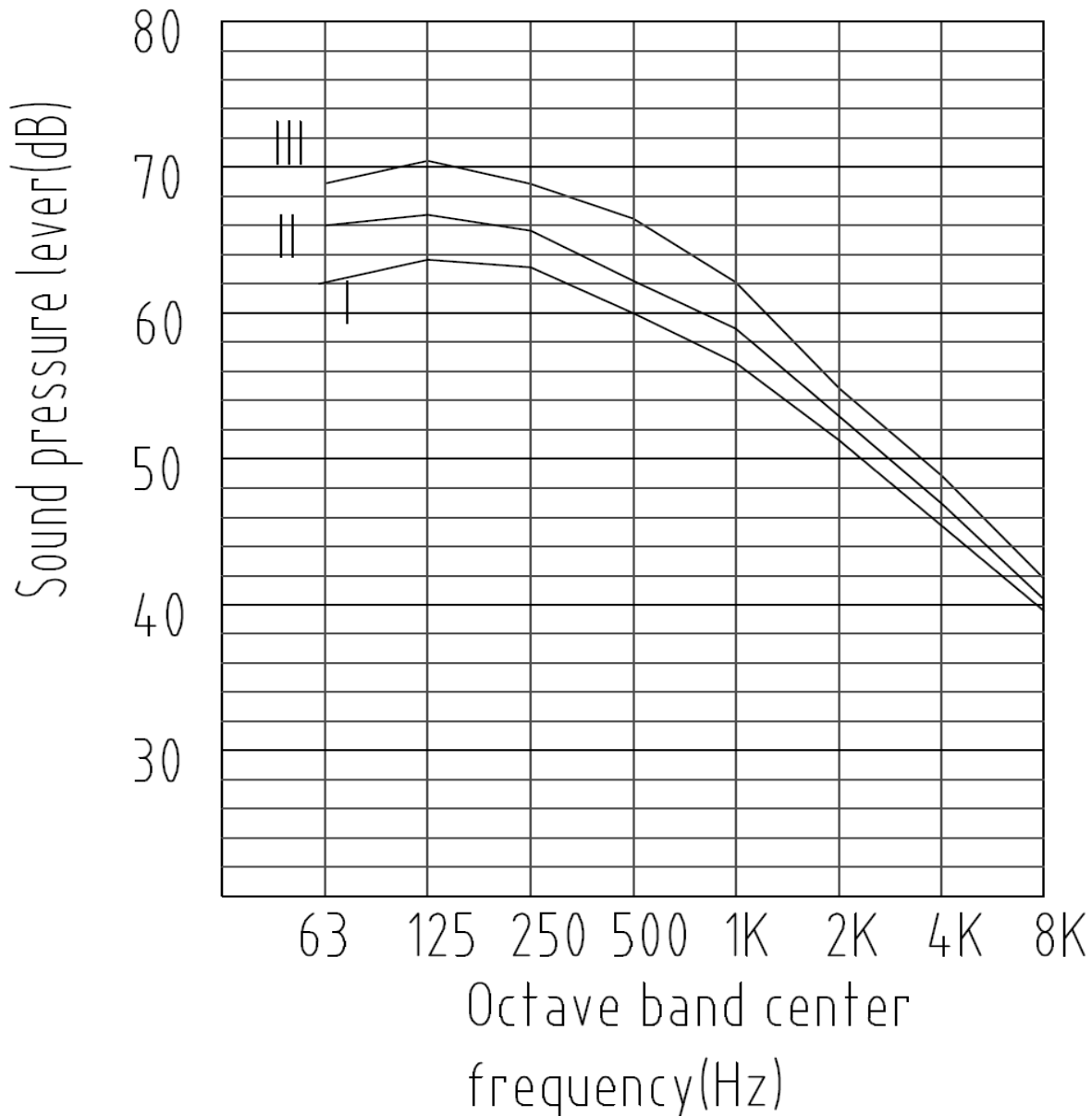



DRAWN BY: GUO JINGPENG	DATE: 18/11/2009		
APPROVED Q.A.: WU MEILAN	APPROVED ENG.: ZHANG JINGFEI	TITLE: Water Cooled Fan Coil Unit LSFP TYPE	
MODEL: LSFP270W	DRAWING NO.: 01	ISSUE: 01	SHEET SIZE: A4

Packaged Air Handling Unit *Horizontal Model* LSFP270

NOISE CURVE

LSFP270W



DRAWN BY: GUO JINGPENG	DATE: 10/11/2009			
APPROVED D.A.: WU MEIJUN	APPROVED ENG.: ZHANG JINGFEI	TITLE: Water Cooled Fan Coil Unit LSFP TYPE		
MODEL: LSFP270W		DRAWING NO.: 01	ISSUE: 01	SHEET SIZE: A4