

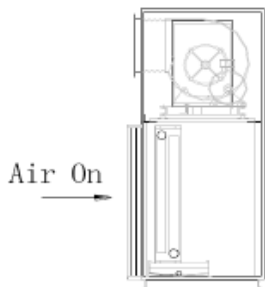
Packaged Air Handling Unit

LSFP Series

LSFP150

Model Number Configuration

LSFP150-LI-4+1 :	4 + 1 Row: Vertical Model: Horizontal air discharge
LSFP150-LII-4+1 :	4 + 1 Row: Vertical Model: Vertical air discharge
LSFP150-ALI-4+1:	4 + 1 Row: Vertical Model: Horizontal air discharge with fan turn 180°
LSFP150-ALII-4+1:	4 + 1 Row: Vertical Model: Vertical air discharge with fan turn 180°
LSFP150-LI-6+1 :	6 + 1 Row: Vertical Model: Horizontal air discharge
LSFP150-LII-6+1 :	6 + 1 Row: Vertical Model: Vertical air discharge
LSFP150-ALI-6+1:	6 + 1 Row: Vertical Model: Horizontal air discharge with fan turn 180°
LSFP150-ALII-6+1:	6 + 1 Row: Vertical Model: Vertical air discharge with fan turn 180°



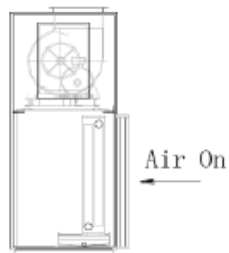
LI
*Vertical Model with
Horizontal air discharge*



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



LII
*Vertical Model with
Vertical air discharge*



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

Packaged Air Handling Unit *Vertical Model* LSFP150

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	kg
LSFP150-4+1	4 + 1	4167	86.4	61.3	4.1	41.1	50.8	1.2	19.4	200	300	360	4	5.5	5.5	425	456
LSFP150-6+1	6 + 1	4167	103.1	71.4	4.9	12.6	50.8	1.2	19.4	200	300	360	4	5.5	5.5	467	515

Notes for Return Air:

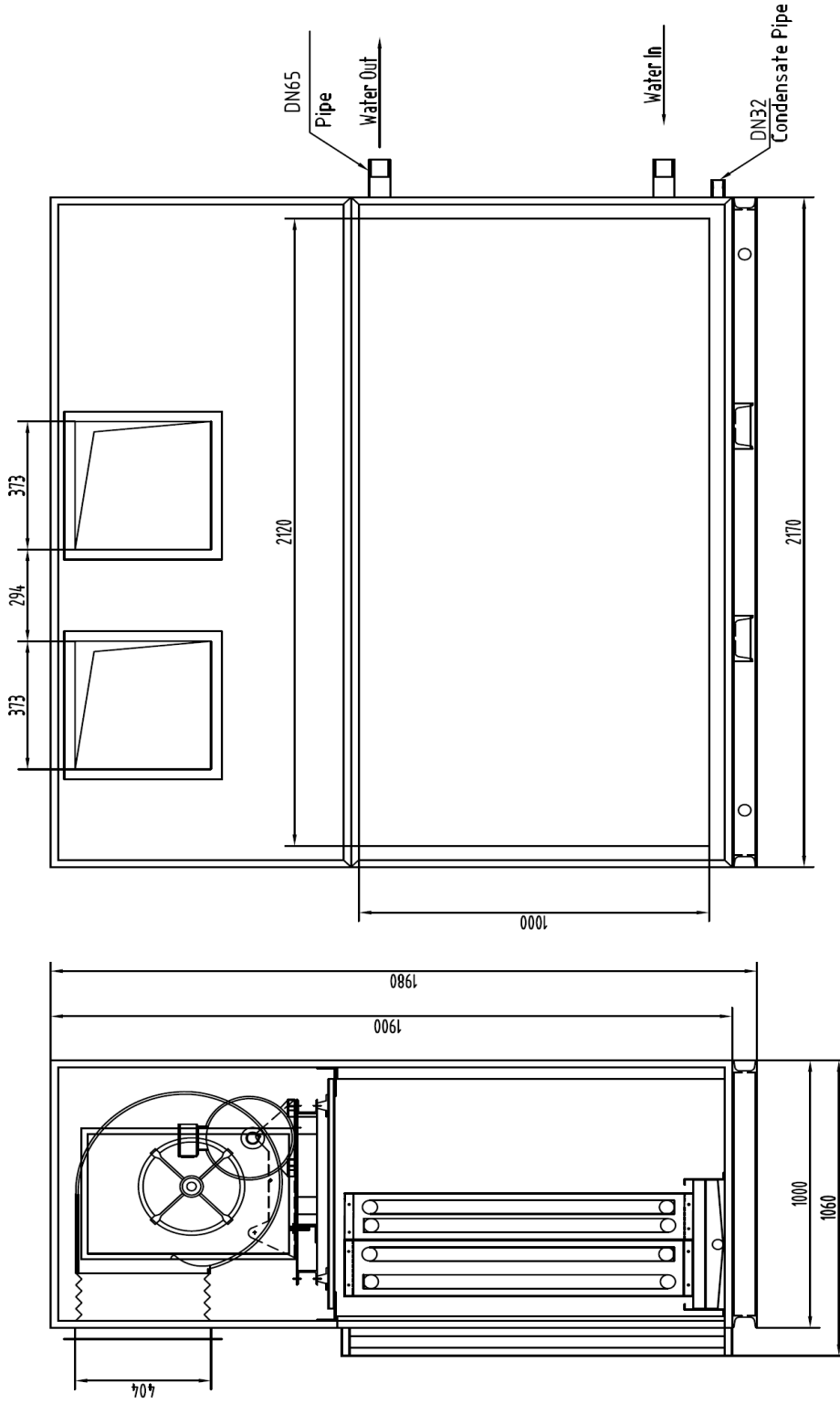
1. Cooling: The water in/out temp. is 7°C/12°C; the air in temp. is 27°C DB / 19.5°C WB
2. Heating: The water in/out temp. is 60°C/50°C; the air in temp. is 21°C DB.
3. The motor power offered is the motor output power.
4. The above performance is for reference only. Different air and water conditions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

SPECIFICATION

- **Coil:**
LSFP010L-LSFP 120L : ϕ 9.52mm, copper tube, aluminum fins
LSFP135L-LSFP 300L: ϕ 12.7mm, copper tube, aluminum fins
- **Fan and motor:**
LSFP 010L-LSFP 025L: direct driven, forward curved centrifugal fan
LSFP 030L-LSFP 300L: 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 - Vertical Model LSFP150

Diagrams of: LSFP 150LI



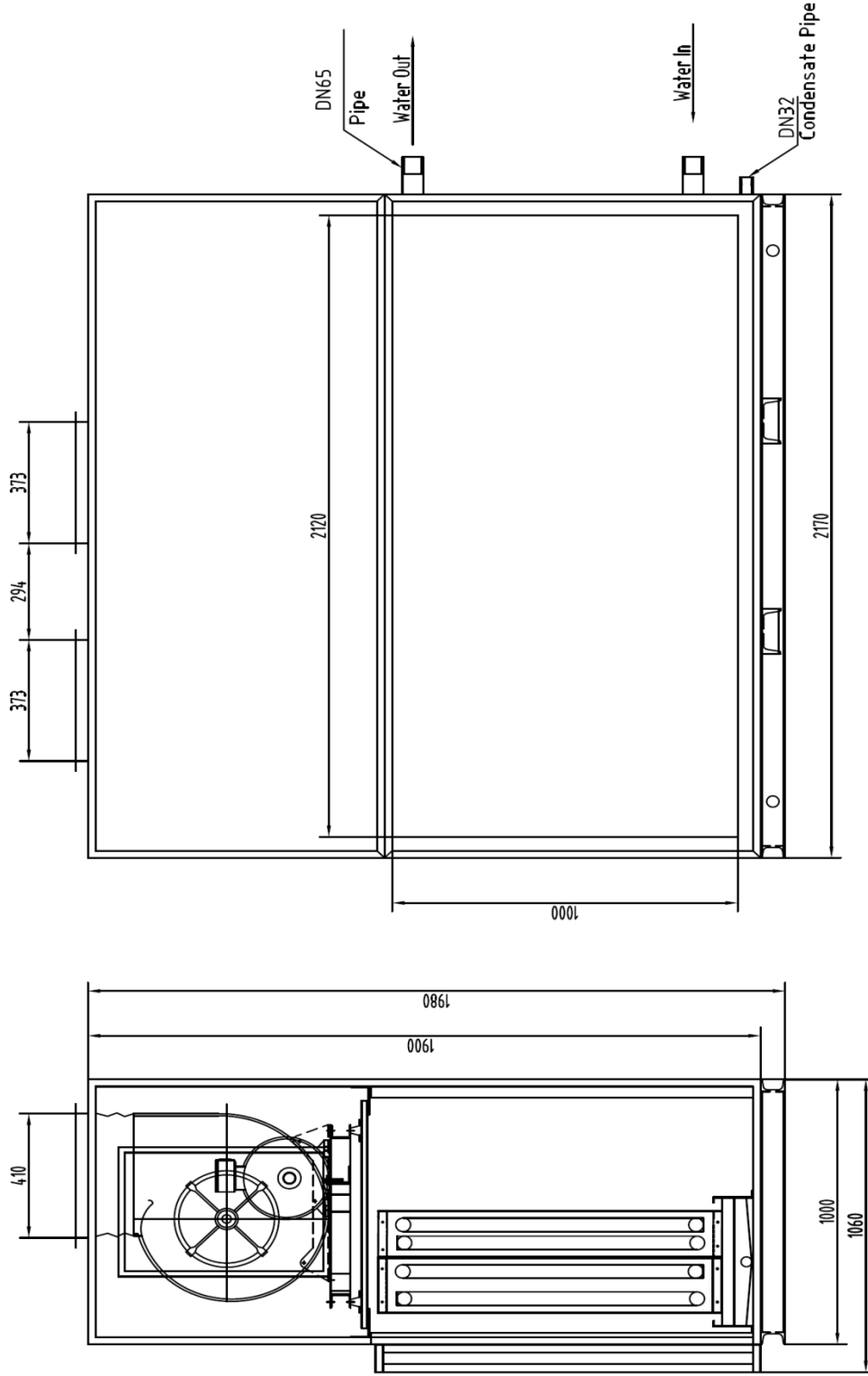
Note: The unit shown is of right hand type.

DRAWN BY: GUO JINGFENG	DATE: 24/04/2010
APPROVED O.A.:WU MEIJUN	APPROVED ENG: ZHANG JINGFEI
MODEL: LSFP 150LI	TITLE: Water Cooled Fan Coil Unit LSFP TYPE
DRAWING NO.: 01	ISSUE: 01
SHEET SIZE: A4	

Alt Flow U/s	487	300	360	360
External Overhead Pressure Pa	200	64	64	64
Coil Power Consumption Kw	64	64	64	64
Fan Model/Drive Type	701	829	877	904
Fan Speed /r/min	SP0102-2	SP0102-2	SP0102-2	SP0102-2
Water Flow	SP0102-2	SP0102-2	SP0102-2	SP0102-2
Fan Motor	SP0102-2	SP0102-2	SP0102-2	SP0102-2
Coil Model/Type	SP0102-2	SP0102-2	SP0102-2	SP0102-2
Water Power-kw	487-4	300-4	360-4	360-4
P.L.A.	R.A	R.A	R.A	R.A
Voltage	415/230/50HZ	415/230/50HZ	415/230/50HZ	415/230/50HZ
Coil Diameter mm/Fin Length mm	412/710/540/80	412/710/540/80	412/710/540/80	412/710/540/80
Filter Length/width/Thickness mm (unit/fin)	594/114/5/8	594/114/5/8	594/114/5/8	594/114/5/8

Packaged Air Handling Unit - Vertical Model LSFP150

Diagrams of: LSFP 150LII



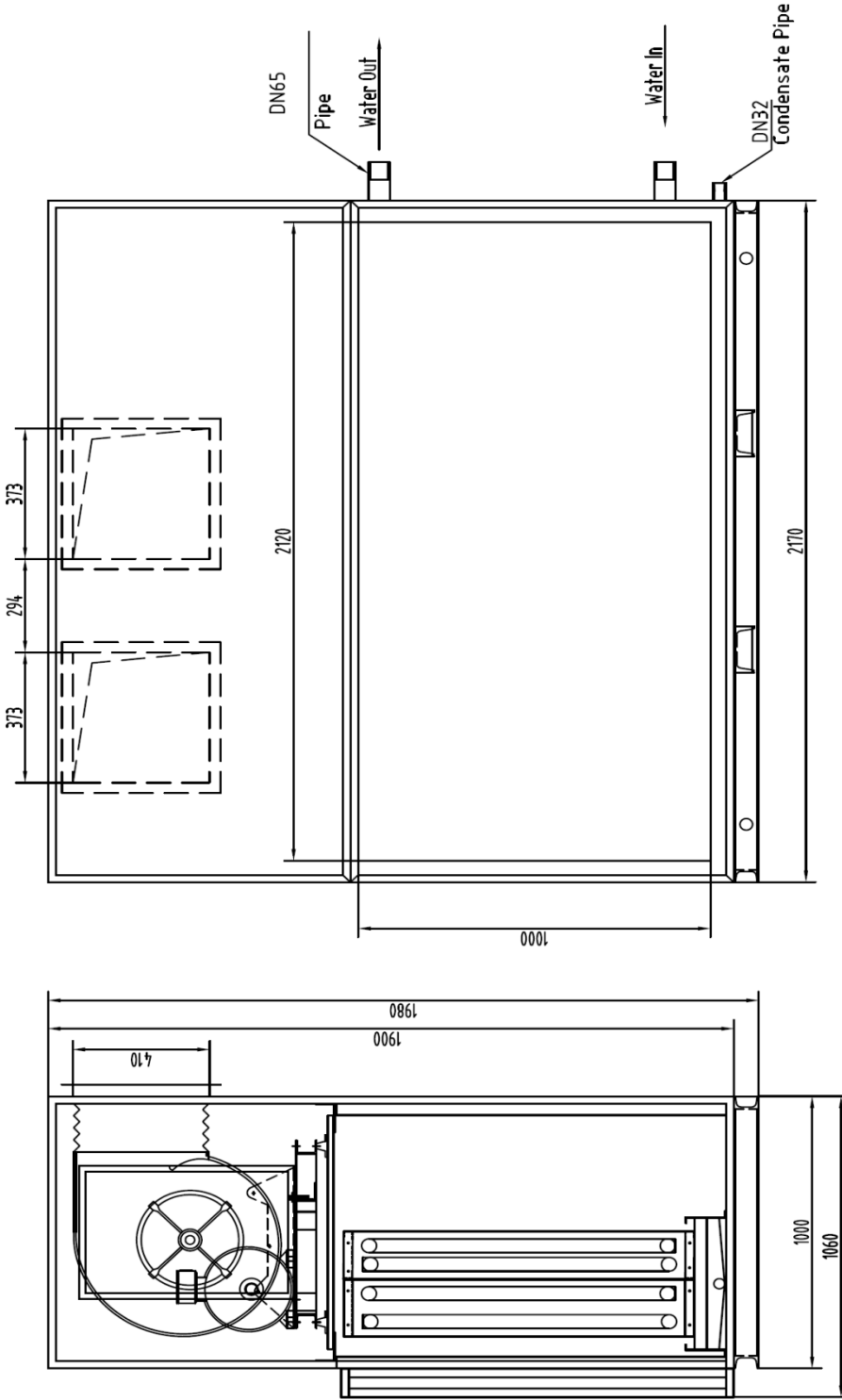
Air Flow / s	457	500	550	600	650	700	750	800	850	900	950
External Overlapping Pressure Pa	60	65	70	75	80	85	90	95	100	105	110
Cell Inlet/Outlet/Supply	60	65	70	75	80	85	90	95	100	105	110
Fan Model/Drive Type	791	872	873	874	875	876	877	878	879	880	881
Fan Speed /r/min	SPR102-1	SPR102-2	SPR102-3	SPR102-4	SPR102-5	SPR102-6	SPR102-7	SPR102-8	SPR102-9	SPR102-10	SPR102-11
Motor Polarity	SPR102-1	SPR102-2	SPR102-3	SPR102-4	SPR102-5	SPR102-6	SPR102-7	SPR102-8	SPR102-9	SPR102-10	SPR102-11
Fan Polarity	SPR102-1	SPR102-2	SPR102-3	SPR102-4	SPR102-5	SPR102-6	SPR102-7	SPR102-8	SPR102-9	SPR102-10	SPR102-11
Ball Throw/Quantity	SPR102-1	SPR102-2	SPR102-3	SPR102-4	SPR102-5	SPR102-6	SPR102-7	SPR102-8	SPR102-9	SPR102-10	SPR102-11
Motor Power-Pole	AWM-1	AWM-2	AWM-3	AWM-4	AWM-5	AWM-6	AWM-7	AWM-8	AWM-9	AWM-10	AWM-11
A.E.L.	AWM-1	AWM-2	AWM-3	AWM-4	AWM-5	AWM-6	AWM-7	AWM-8	AWM-9	AWM-10	AWM-11
Voltage	AWM-1	AWM-2	AWM-3	AWM-4	AWM-5	AWM-6	AWM-7	AWM-8	AWM-9	AWM-10	AWM-11
Cell Inlet/Outlet/Supply	AWM-1	AWM-2	AWM-3	AWM-4	AWM-5	AWM-6	AWM-7	AWM-8	AWM-9	AWM-10	AWM-11
External Length/Width/Thickness and Location	AWM-1	AWM-2	AWM-3	AWM-4	AWM-5	AWM-6	AWM-7	AWM-8	AWM-9	AWM-10	AWM-11

Note: The unit shown is of right hand type.

	DATE: 24/04/2010	ISSUE: 01	SHEET: A4
DRAWN BY: GUO JINGFENG	APPROVED ENG.: ZHANG JINGFEI	DRAWING NO.: 01	SIZE: A4
APPROVED O.A.: WU MEIJUN	TITLE: Water Cooled Fan Coil Unit LSFP TYPE	MODEL: LSFP 150LII	

Packaged Air Handling Unit - Vertical Model LSPFP150

Diagrams of: LSPFP150ALI



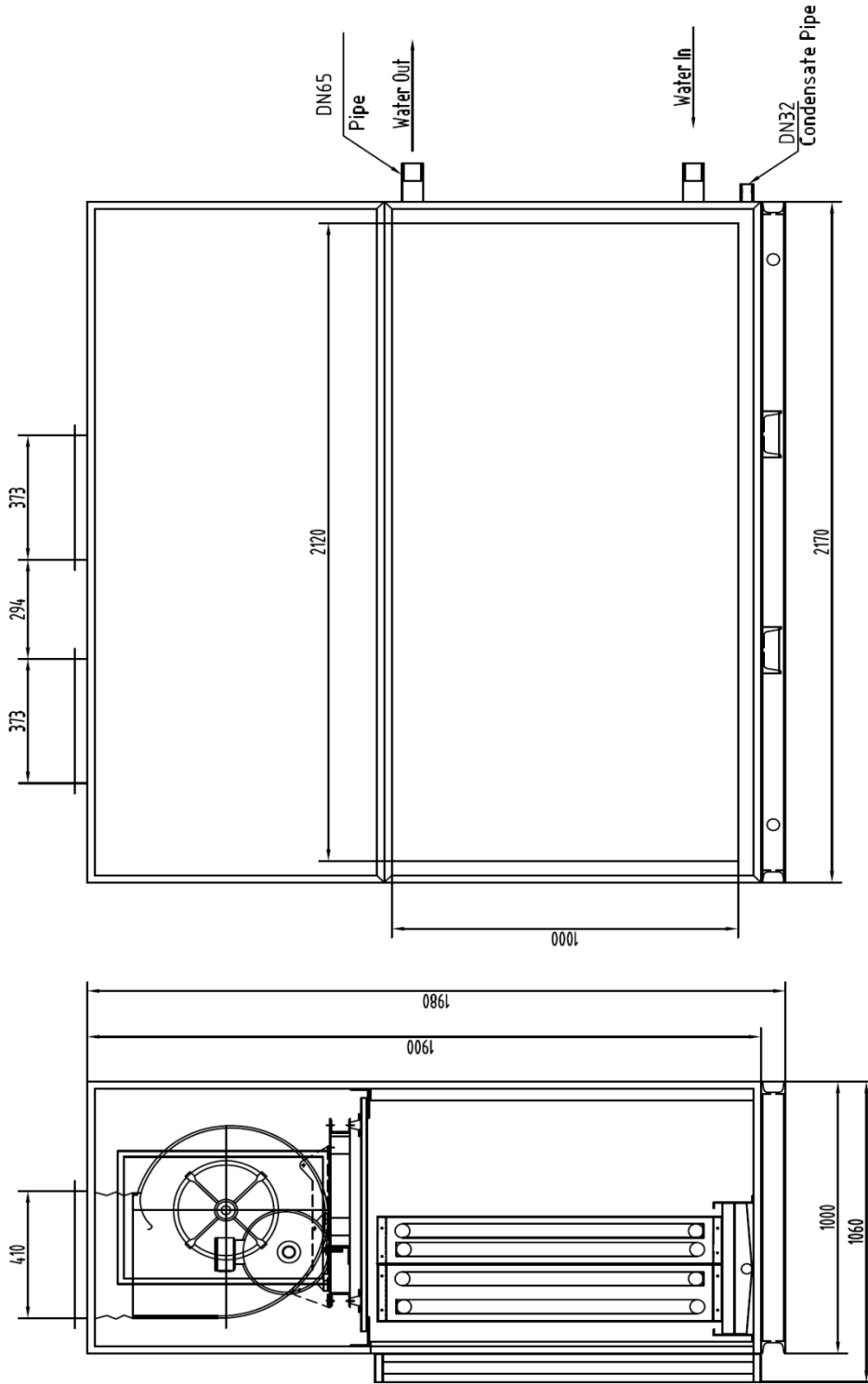
Item	Value	Unit
Air Flow U/s	487	
External Static Pressure Pa	200	
Coil Mass/Compliance	641	kg
Fan Model/Type	641	
Fan Speed/rpm	791	
Motor Power	629	W
Fan Efficiency	877	%
Fan Voltage	230	V
Fan Quantity	2	
Coil Model/Quantity	SPR102-2	
Motor Power/kw	0.75	
ATEL	0.1	
Coil Diameter mm/Fin Length mm	610/1800/89	
Fin Pitch mm/Width mm/Height mm	53/414/518	

Note: The unit shown is of right hand type.

DRAWN BY: GUO JINGPENG	DATE: 24/04/2010	
APPROVED O.A.: WU MEIJUN	APPROVED ENG.: ZHANG JINGFENG	
MODEL: LSPFP 150ALI		TITLE: Water Cooled Fan Coil Unit LSPFP TYPE
DRAWING NO.: 01		ISSUE: 01
		SHEET SIZE: A4

Packaged Air Handling Unit - Vertical Model LSPFP150

Diagrams of: LSPFP150ALI



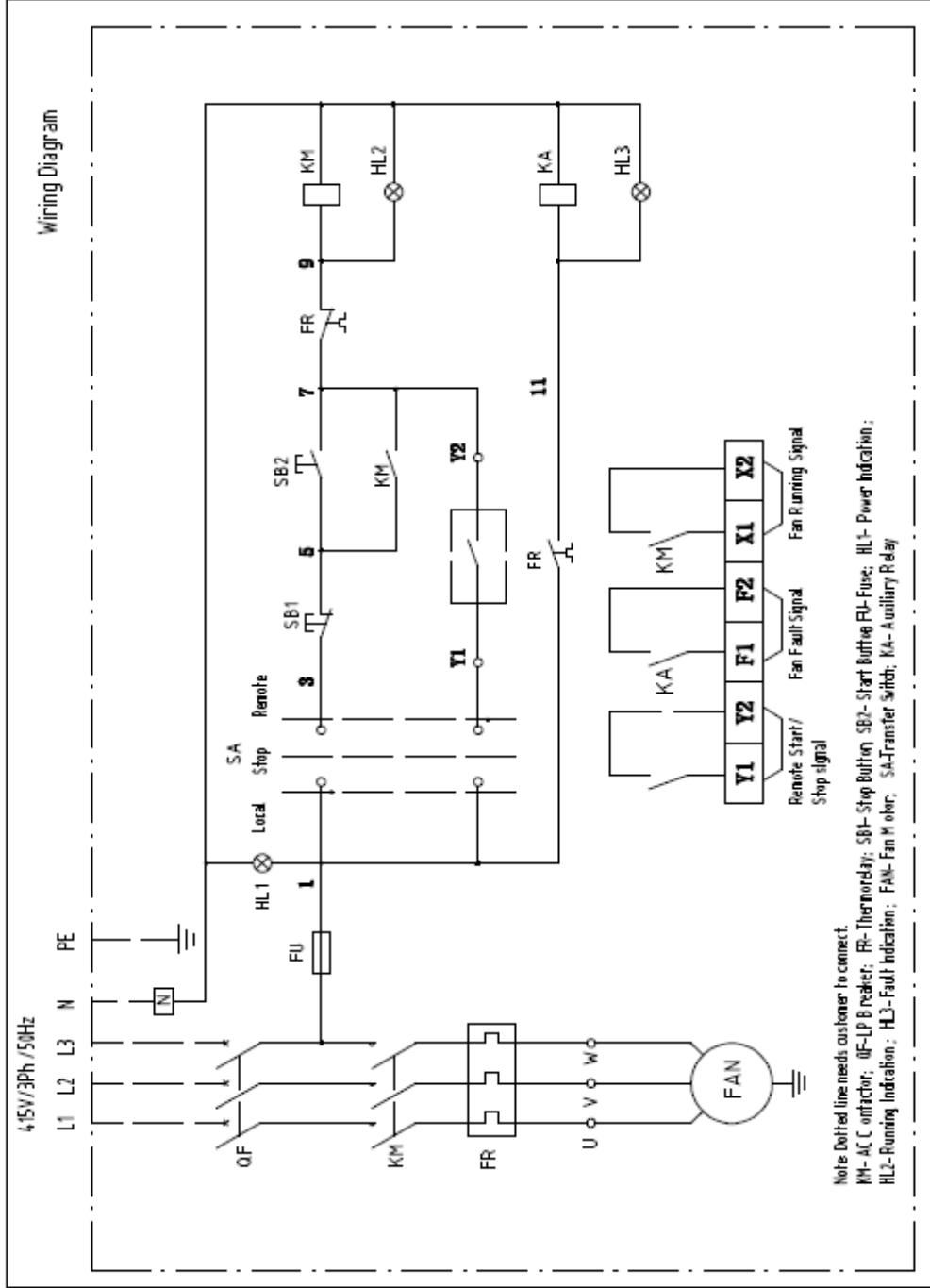
Alt Flow Lit.	497	700	300	497	300	497	300
External Static Pressure Pa	64	64	64	64	64	64	64
Cell Brass/Cell/Cell/Cell/Cell	701	829	957	1085	1213	1341	1469
Fan Model/Drive Type	SPR150-2	SPR150-2	SPR150-2	SPR150-2	SPR150-2	SPR150-2	SPR150-2
Fan Speed/r/min	SPR150-2	SPR150-2	SPR150-2	SPR150-2	SPR150-2	SPR150-2	SPR150-2
Motor Polarity	SPR150-2	SPR150-2	SPR150-2	SPR150-2	SPR150-2	SPR150-2	SPR150-2
Fan Motor	SPR150-2	SPR150-2	SPR150-2	SPR150-2	SPR150-2	SPR150-2	SPR150-2
Cell Model/Model/Model	SPR150-2	SPR150-2	SPR150-2	SPR150-2	SPR150-2	SPR150-2	SPR150-2
Motor Power/kVA	0.18	0.18	0.18	0.18	0.18	0.18	0.18
Wt/kg	11.1	11.1	11.1	11.1	11.1	11.1	11.1
Cell Number and Cell Length/Width mm	417/190/497	417/190/497	417/190/497	417/190/497	417/190/497	417/190/497	417/190/497
Cell Length/Width/Thickness mm/Cell Qty	58/19/0.8	58/19/0.8	58/19/0.8	58/19/0.8	58/19/0.8	58/19/0.8	58/19/0.8

Note: The unit shown is of right hand type.

DRAWN BY: GUO JINGFENG	DATE: 24/04/2010	
APPROVED O.A.: WU MEIJUN	APPROVED ENG.: ZHANG JINGFEI	TITLE: Water Cooled Fan Coil Unit
MODEL: LSPFP150ALI	DRAWING NO.: 01	ISSUE: 01
		SHEET: A4

Packaged Air Handling Unit - Vertical Model LSFP150

Direct starting type (motor power < 15KW)

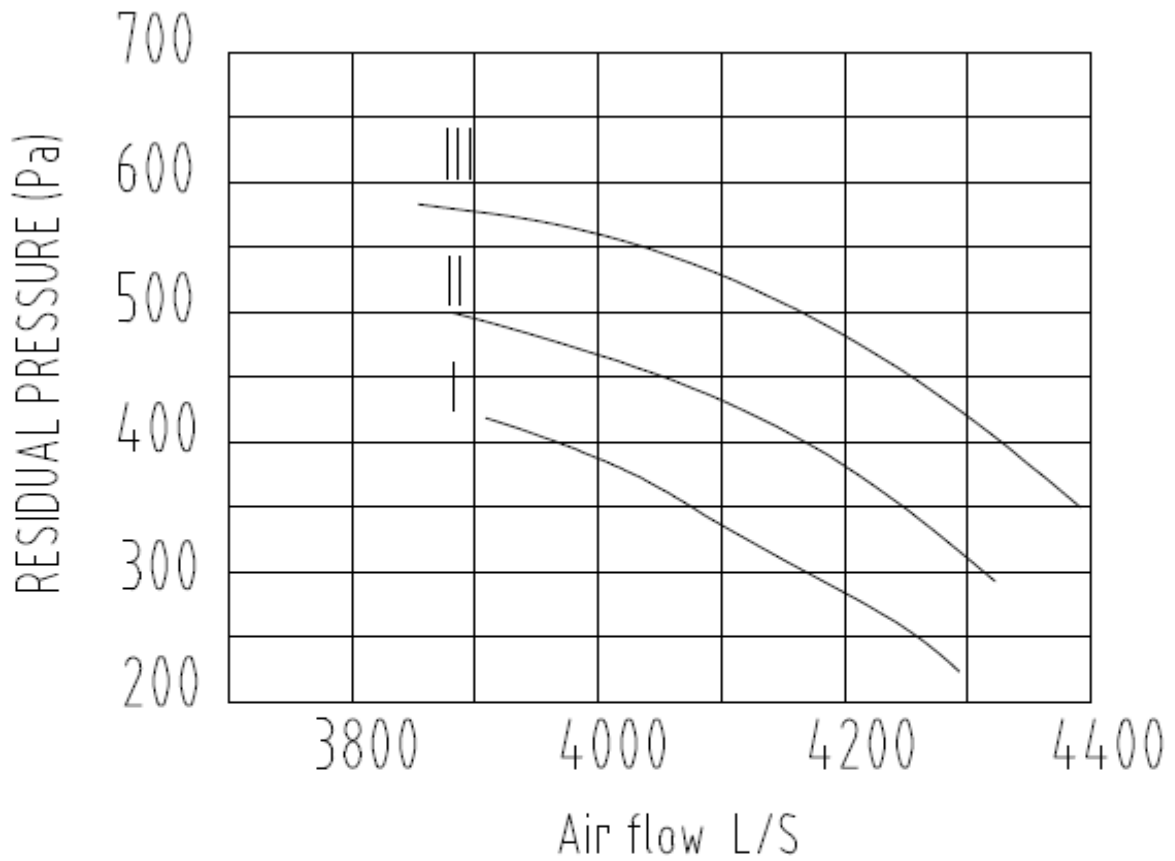



DRAWN BY: BOO JINGPENG	DATE: 19/11/2009	
APPROVED Q.A.: WU JIEJUN	APPROVED ENG: ZHANG JINGBO	TITLE:Water Cooled Fan Coil Unit LSFP TYPE
MODEL: LSFP010-300	DRAWING NO.: 01	ISSUE: #1
		SHEET: SIZE: A4

Packaged Air Handling Unit

Vertical Mode LSFP150

FAN CURVE

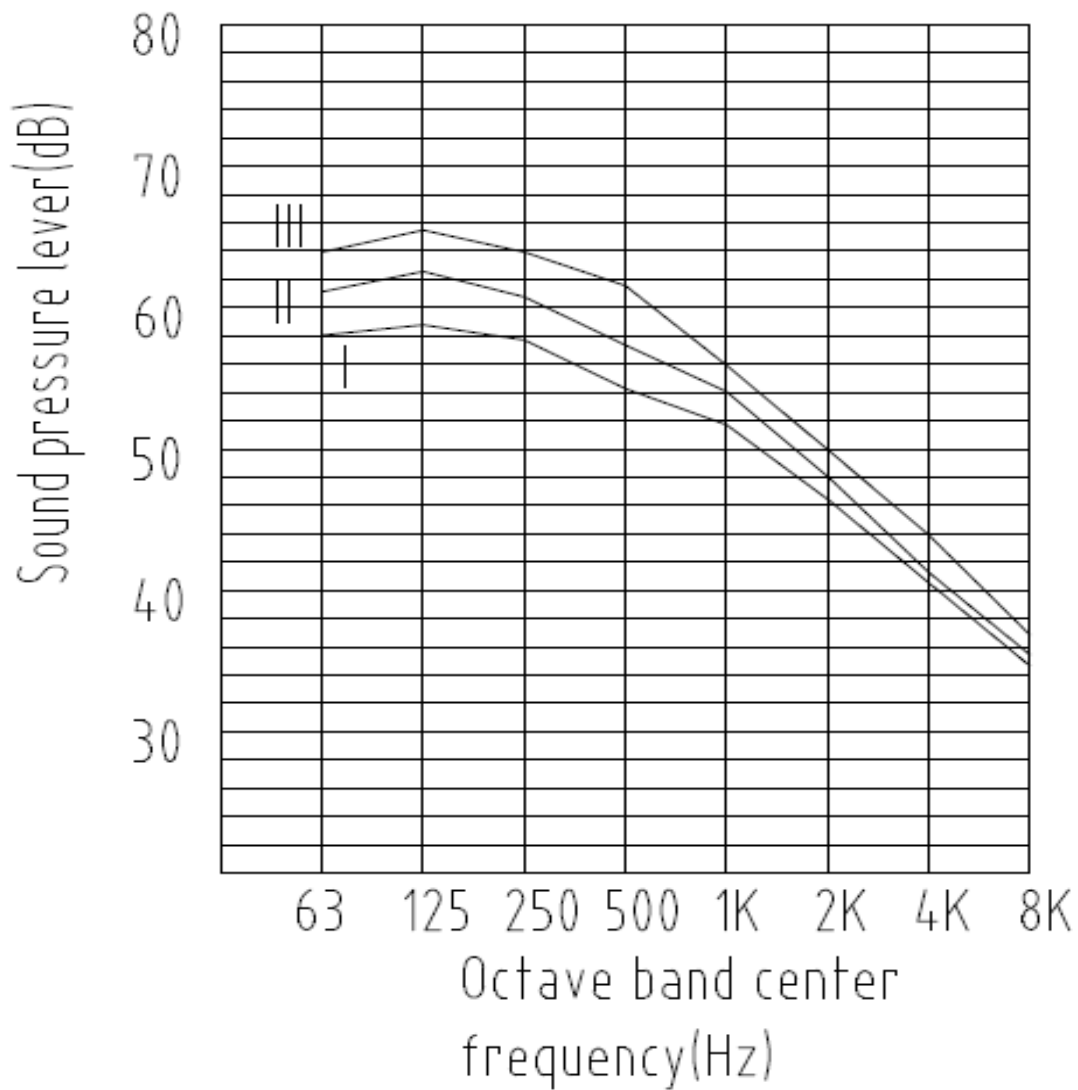



DRAWN BY: GUO JINGPENG	DATE: 10/11/2009			
APPROVED Q.A.: WU MEJUN	APPROVED ENG.: ZHANG JINGFEI	TITLE: Water Cooled Fan Coll Unit LSFP TYPE		
MODEL: LSFP150L		DRAWING NO.: 01	ISSUE: 01	SHEET SIZE: A4

Packaged Air Handling Unit

Vertical Mode LSFP150

NOISE CURVE



DRAWN BY: GUO JINGFENG	DATE: 10/11/2009			
APPROVED D.A.: WU MEIJUN	APPROVED ENG.: ZHANG JINGFEI	TITLE: Water Cooled Fan Coil Unit LSFP TYPE		
MODEL: LSFP150L		DRAWING NO.: 01	ISSUE: 01	SHEET SIZE: A4