Ceiling Mount Air Handling Units
FPS Series
FPS60

MODEL NUMBER CONFIGURATION

RETURN AIR TYPE

FPS60AM: 4 Row; Standard Coil; Standard Fan
FPS60AT: 4 Row; Standard Coil; High Static Pressure Fan
FPS60AQ: 6 Row; High Efficiency Coil; Standard Fan
FPS60AY: 6 Row; High Efficiency Coil; High Static Pressure Fan

PERFORMANCE DATA

RETURN AIR

Model	Row	Air Flow	Pressure	Noise	Rated Cooling Capacity	Rated Heating Capacity	Water Flow	Water Resistance	Power	Weight
		L/S	dB(A)	dB(A)	kW	kW	L/S	kPa	kW	kg
FPS60AM	4	1667	290	59	39.20	63.60	1.87	67	0.55*2	183
FPS60AT	4	1667	300	63	39.20	63.60	1.87	67	0.55*2	185
FPS60AQ	6	1667	230	59	47.40	70.00	2.27	50	0.55*2	194
FPS60AY	6	1667	250	63	47.40	70.00	2.27	50	0.55*2	196

Notes for Return Air:

1. Cooling: Entering air temp. 27℃ DB 19.5 ℃ WB, water inlet 7 ℃, water outlet 12℃.
2. Heating: Entering air temp. 21℃ DB 60 ℃ WB, water flow rate of heating system is as same as cooling system.

SPECIFICATION

- Cabinet: single skinned panel
- Coil: φ 9.52mm, copper tube, aluminum fins
- Drip Tray: powder painting steel sheet
- Fan and Motor: direct driven, forward curved centrifugal fan
  415V/3Ph/50Hz external-rotor motor

FRESH AIR TYPE

FPS60AN: 4 Row; Standard Coil; Standard Fan
FPS60AP: 4 Row; Standard Coil; High Static Pressure Fan
FPS60AU: 6 Row; High Efficiency Coil; Standard Fan
FPS60AX: 6 Row; High Efficiency Coil; High Static Pressure Fan

PERFORMANCE DATA

FRESH AIR

Model	Row	Air Flow	Pressure	Noise	Rated Cooling Capacity	Rated Heating Capacity	Water Flow	Water Resistance	Power	Weight
		L/S	dB(A)	dB(A)	kW	kW	L/S	kPa	kW	kg
FPS60AN	4	1667	290	59	87.70	89.30	4.06	58	0.55*2	183
FPS60AP	4	1667	300	62	87.70	89.30	4.06	58	0.55*2	185
FPS60AU	6	1667	230	59	104.70	97.10	5.01	43	0.55*2	194
FPS60AX	6	1667	250	62	104.70	97.10	5.01	43	0.55*2	196

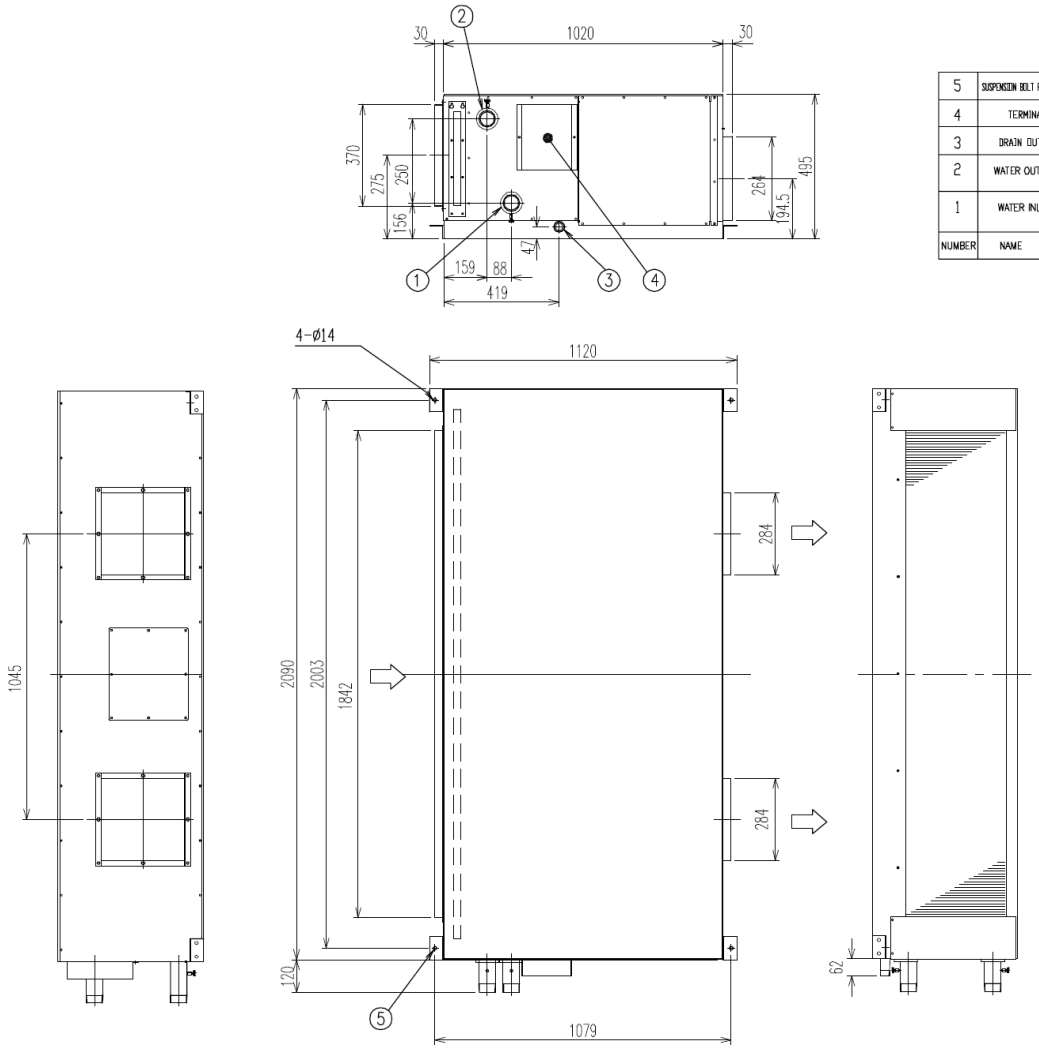
Notes for Fresh Air:

1. Cooling: Entering air temp. 35℃ DB 28 ℃ WB, water inlet 7 ℃, water outlet 12℃.
2. Heating: Entering air temp. 7℃ DB 60 ℃ WB, water flow rate of heating system is the same as cooling system.

SPECIFICATION

- Cabinet: single skinned panel
- Coil: φ 9.52mm, copper tube, aluminum fins
- Drip Tray: powder painting steel sheet
- Fan and Motor: direct driven, forward curved centrifugal fan
  415V/3Ph/50Hz external-rotor motor

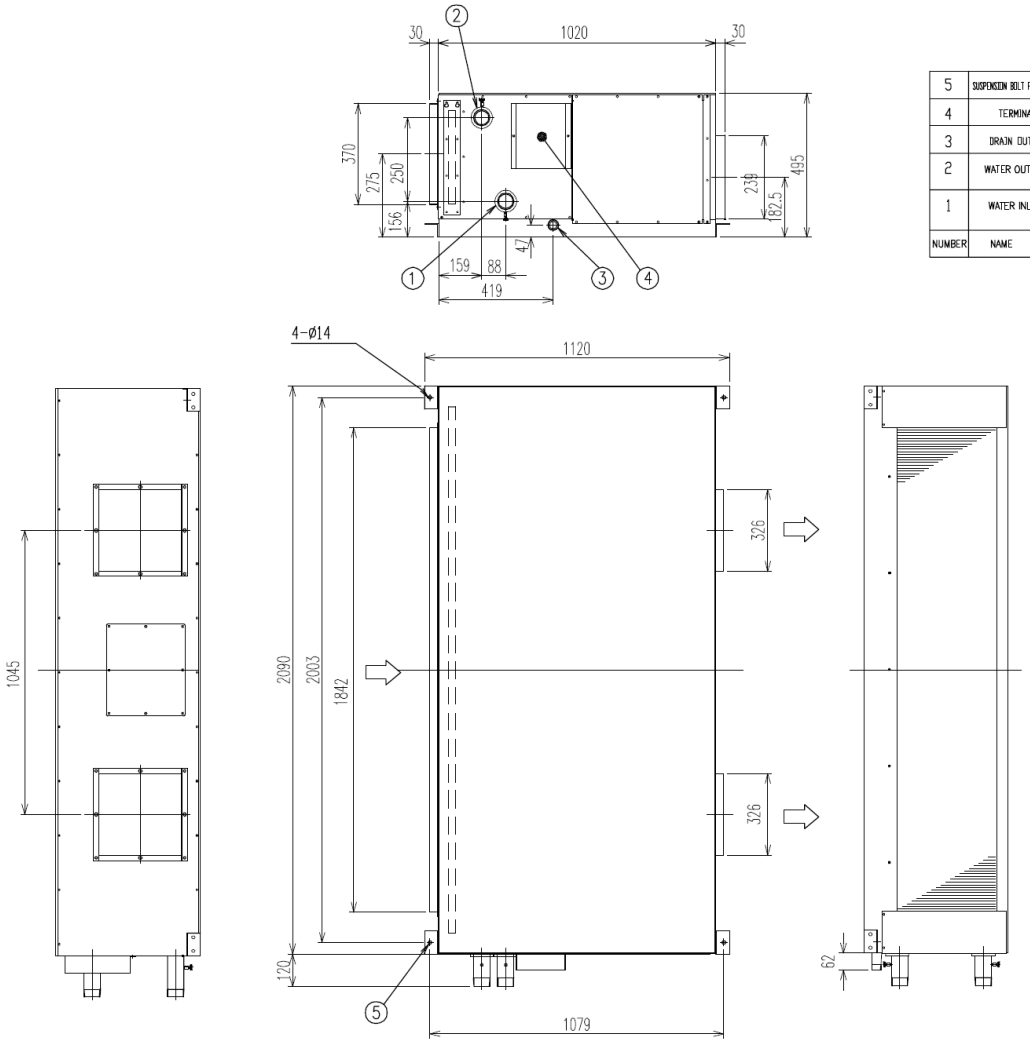
FPS Series Ceiling Mount Air Handling Unit FPS60



NUMBER	NAME	REMARK
5	SUSPENSION BOLT FIXING PANEL	4-Ø14
4	TERMINAL	
3	DRAIN OUTLET	EXTERNAL THREAD 1"
2	WATER OUTLET	EXTERNAL THREAD RETURN AIR CONDITION 1 1/2" FRESH AIR CONDITION 2"
1	WATER INLET	EXTERNAL THREAD RETURN AIR CONDITION 1 1/2" FRESH AIR CONDITION 2"

DRAWN BY: GUO JINGPENG	DATE: 23/11/2009	DUNNAIR		
APPROVED Q.A.: WU MEIJUN	APPROVED ENG.: ZHANG JINGFEI	TITLE: Water Cooled Fan Coil Unit FPS TYPE		
MODEL: FPS60A(N,U,M,Q)		DRAWING NO.: 01	ISSUE: 01	SHEET SIZE: A4

FPS Series Ceiling Mount Air Handling Unit FPS60



NUMBER	NAME	REMARK
5	SUSPENSION BOLT FIXING PANEL	4-Ø14
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3	DRAIN OUTLET	EXTERNAL THREAD 1"
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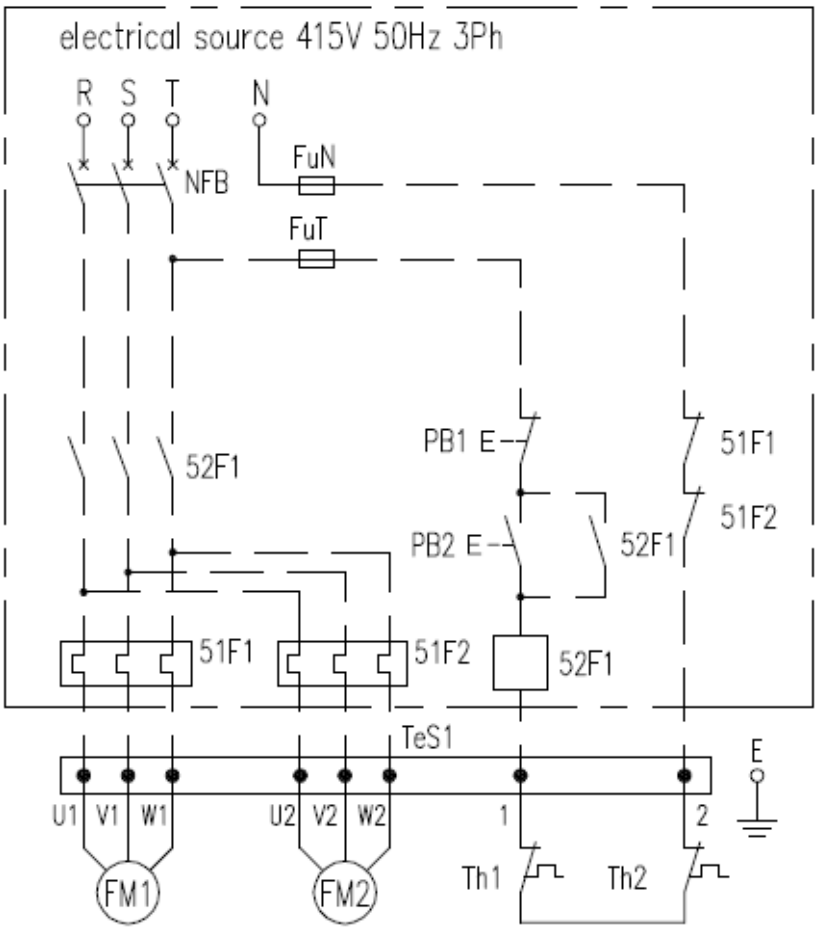
APPROVED Q.A.: WU MEIJUN	APPROVED ENG.: ZHANG JINGFEI	TITLE: Water Cooled Fan Coil Unit FPS TYPE		
MODEL: FPS60A(P,X,T,Y)		DRAWING NO.: 01	ISSUE: 01	SHEET SIZE: A4

FPS Series Ceiling Mount *Air Handling Units FPS60*

Wiring Diagram



MARK	NAME
FM1,2	Motor
TH1,2	Terminal Overload Protection
TeS1	Terminal Block
Wiring by others	
MARK	NAME
NFB	Air Switch
FuN,T	Fuse
52F1	Contactor
51F1,2	Thermal Overload Relays
PB1	Pushbutton (Stop)
PB2	Pushbutton (Run)

NOTE) — —Stands for wiring connection on the spot.

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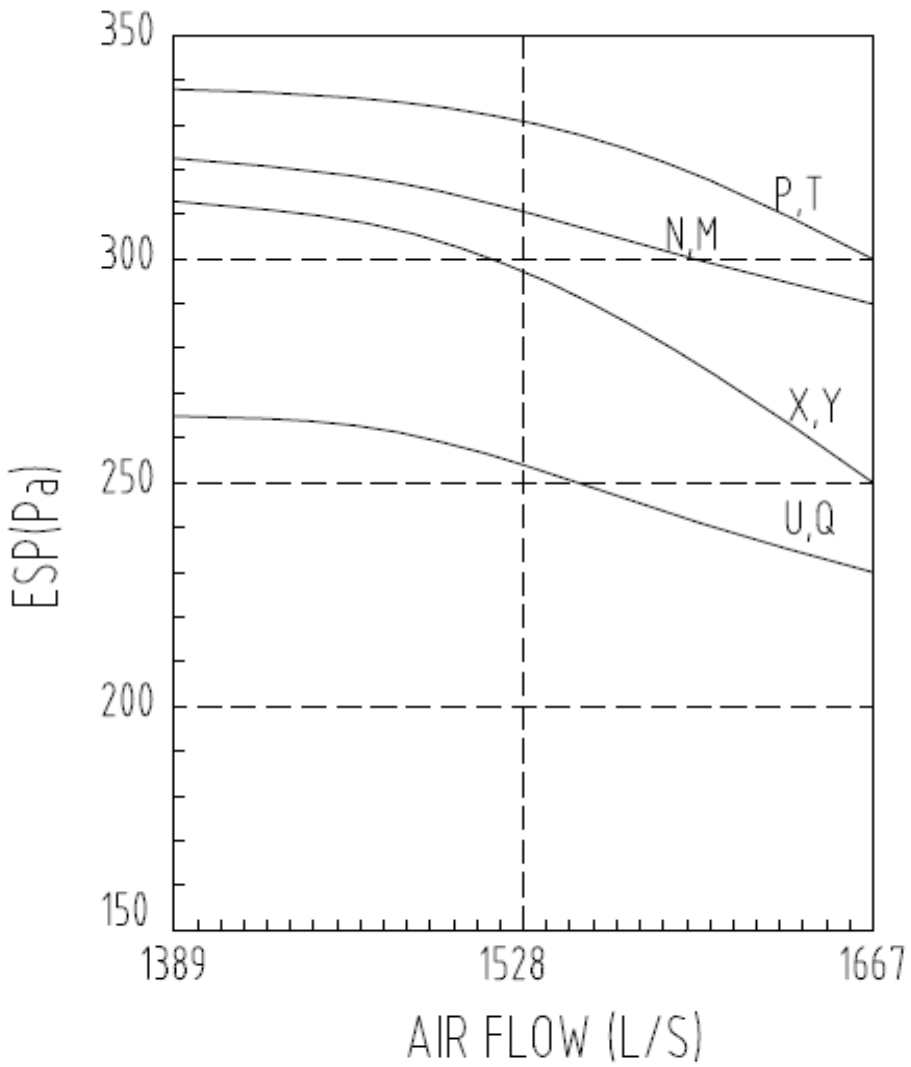
APPROVED Q.A.: WU MEIJUN	APPROVED ENG.: ZHANG JINGFEI	TITLE:Water Cooled Fan Coil Unit FPS TYPE		
MODEL: FPS40-150		DRAWING NO.: 01	ISSUE: 01	SHEET SIZE: A4

FPS Series Ceiling Mount *Air Handling Units FPS60*

FAN CURVE



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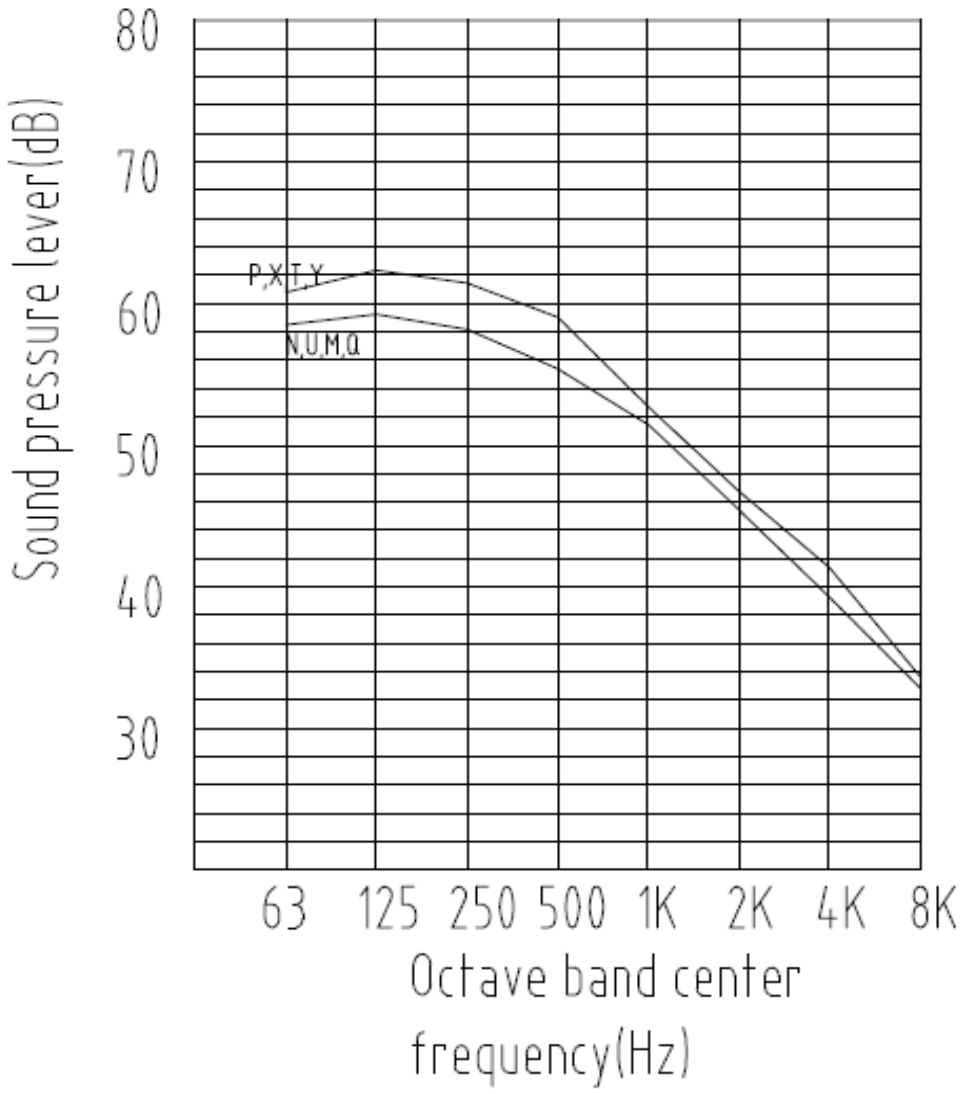
APPROVED Q.A.: WU MEIJUN	APPROVED ENG.: ZHANG JINGFEI	TITLE:Water Cooled Fan Coil Unit FPS TYPE		
MODEL: FPS60		DRAWING NO.: 01	ISSUE: 01	SHEET SIZE: A4

FPS Series Ceiling Mount *Air Handling Units FPS60*

NOISE CURVE



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APPROVED Q.A.: WU MEIJUN	APPROVED ENG.: ZHANG JINGFEI	TITLE: Water Cooled Fan Coil Unit FPS TYPE
MODEL: FPS60	DRAWING NO.: 01	ISSUE: 01 / SHEET SIZE: A4