Climate 5000 Series
48K BTU Single Zone Light Commercial Ducted IDU

Engineering Submittal Sheet

BOSCH

Overview and Project Information

Project Name	
Location	
Architect	
Engineer	
General Contractor	
Reference #	

48K Btu Single Zone Light Commercial - Ducted IDU	
Indoor part number	8733953107
Indoor model number	BMS500-AAU048-1AHDXB
Electrical Data	
Power supply (V / Ø / Hz)	208-230 / 1 / 60
Piping	
Liquid side (in/mm)	3/8" / Φ9.52
Gas side (in/mm)	5/8" / Φ15.9
Accessories	
BMS-WT2-XXC (8733956180)	Wired Wall Thermostat
BMS-DRY-XXX (8733953129)	24V Interface

System Data		
Refrigerant type		R410A
Design pressure (PSIG)		550/340
IDU	Fan motor model	ZKFN-560-8-1-1
	Fan motor qty (ea)	1
	Fan motor input (W)	560
	Fan speed (RPM)	890 / 820 / 740
	Air flow, H / M / L (CFM)	1228.41 / 1031.00 / 714.65
	Net weight (lbs / kg)	120 / 54.3
	Gross weight (lbs / kg)	142 / 64.3
	ESP range (Pa)	0-160
	Drain pipe diameter (mm)	ODΦ25

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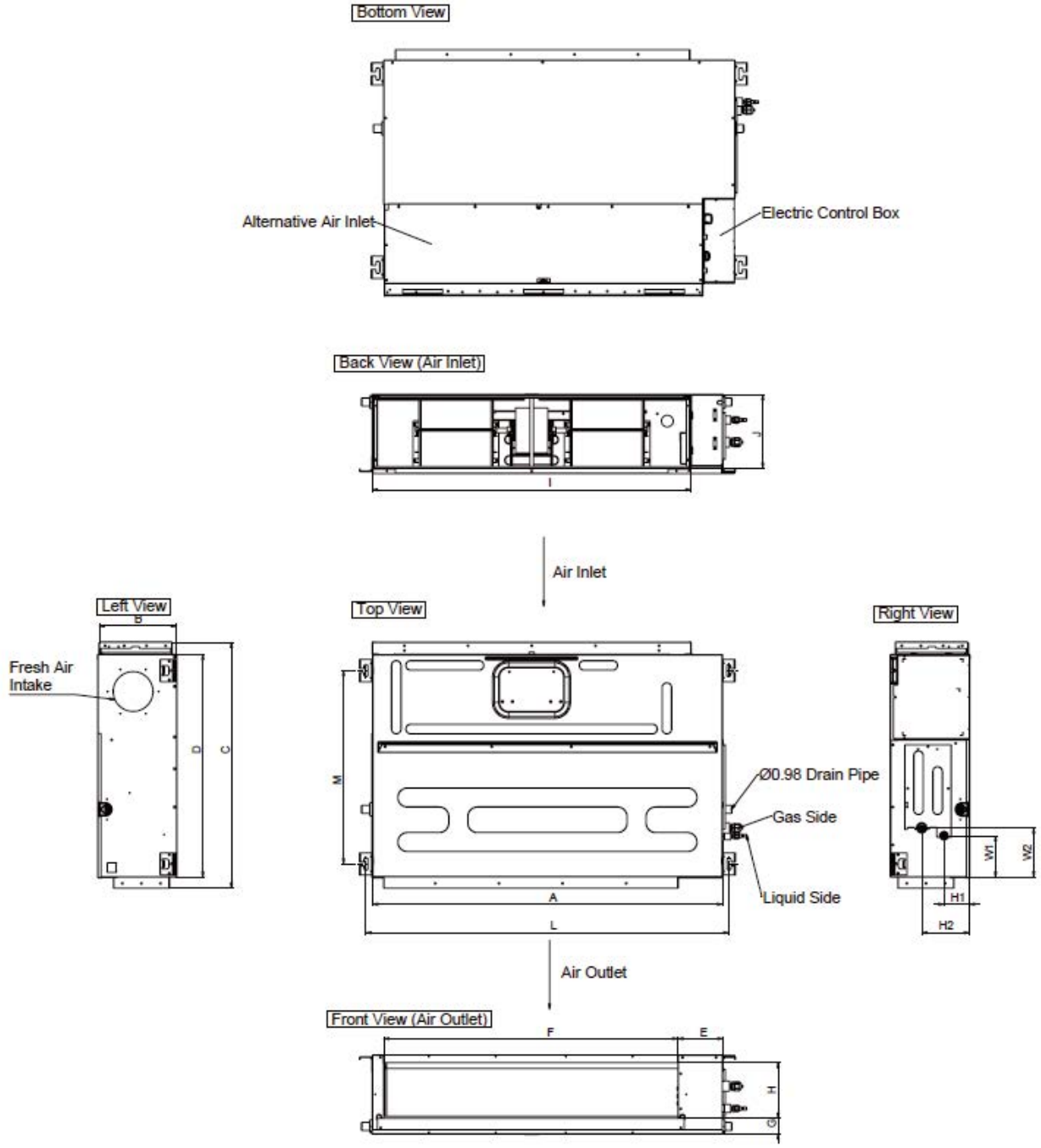
Indoor Unit Dimensions and Connections



Model	Outline dimension (in)				Air outlet dimension (in)				Return air (in)			Mounting (in)		Gas and liquid valve (in)			
	A	B	C	D	E	F	G	H	I	J	K	L	M	H1	H2	W1	W2
BMS500-AAU048-1AHDXB	47.2	11.8	34.4	31.5	4.8	41.1	2.0	8.9	43.3	11.0	2.0	48.8	27.4	3.1	5.9	7.3	8.3

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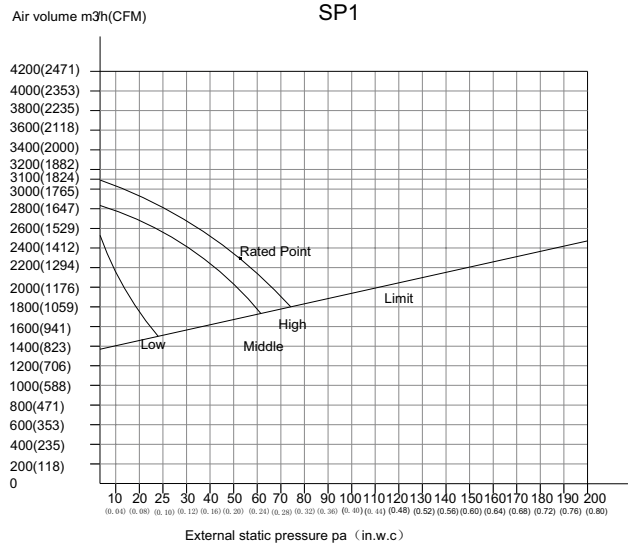
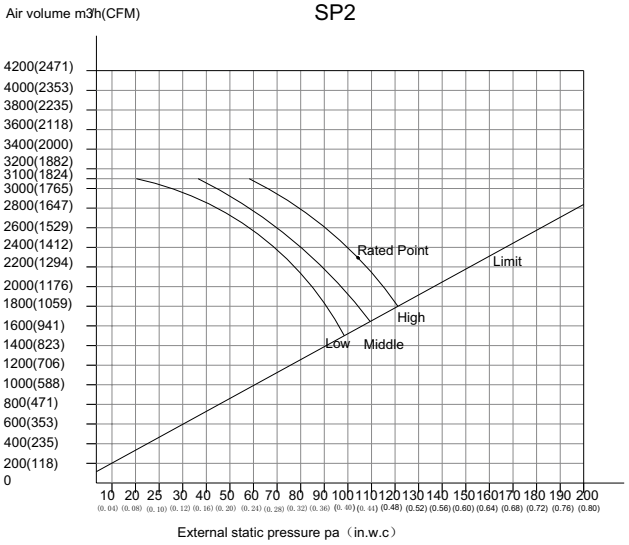
Air Volume

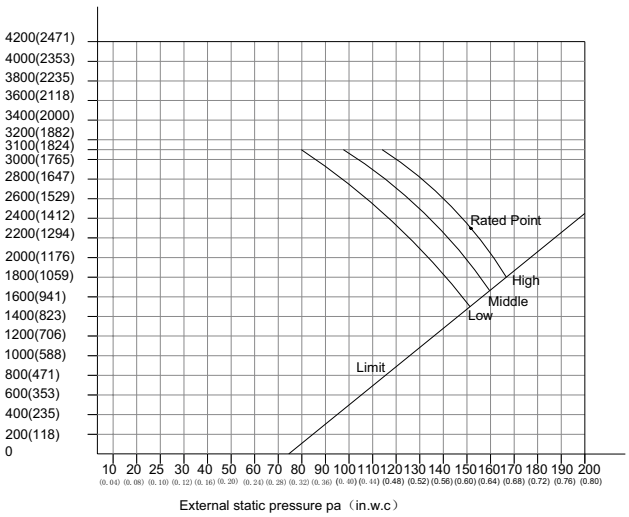
SP1



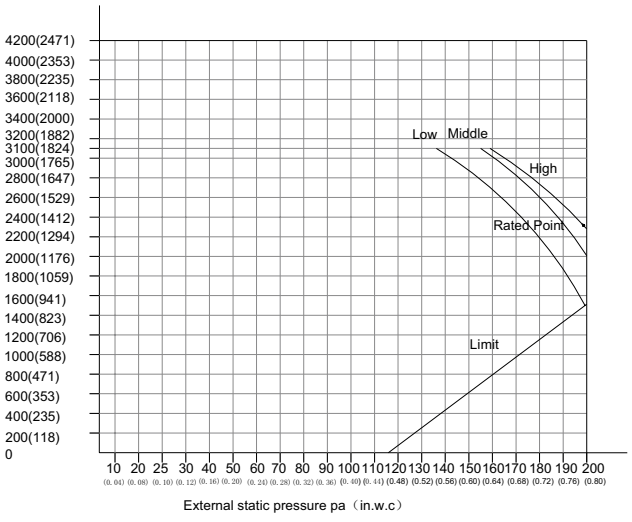
SP2



SP3



SP4



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