

Climate 5000 Series

18K BTU Multi Zone Max Performance

Outdoor Unit – Ducted

Engineering
Submittal
Sheet



BOSCH

Overview and Project Information



Project Name	
Location	
Architect	
Engineer	
General Contractor	
Reference #	
Date	

18K Btu Multi Zone Max Performance Outdoor Unit - Ducted

Indoor model #		8733953102 (Qty 2)
Indoor model name		BMS500-AAU009-1AHDXB (Qty 2)
Outdoor model #		8733953119
Outdoor model name		BMS500-AAM018-1CSXHB
Performance Data		
Cooling	Capacity (Btu/h):	18000
	Input (W)	1636
	Rated current (A)	7.1
	EER (Btu/w)	11.0
	SEER (Btu/w)	18.0
Heating at 47°F	Capacity (Btu/h)	19000
	Input (W)	1600
	Rated current (A)	7.0
	COP (W/W)	3.48
	HSPF4	9.8
	HSPF5	8.4
Electrical Data		
Power supply (V / Ø / Hz)		208-230 / 1 / 60
Min. Circuit ampacity (A)		25.0
Max. Fuse (A)		35.0
Compressor Data		
Type:		Twin-Rotary
Refrigerant oil /oil charge (ml)		ESTER OIL VG74 / 670
Input (W)		1970
Rated current (RLA / A)		20.00
Operation Range		
ODU	Cooling (°F / °C)	-22~122 / -30~50
	Heating (°F / °C)	-22~86 / -30~30

Piping

Refrigerant precharge (ft / m)	49 / 15
Refrigerant charge (oz / g)	98.8 / 2801
Additional charge per ft (oz)	0.161
Liquid side (in / mm)	2 X 1/4" / Ø6.35
Gas side (in / mm)	2 X 3/8" / Ø9.52
Max. refrigerant pipe length (ft / m)	131 / 40
Max. length to one IDU (ft / m)	82 / 25
Max. height difference between IDU and ODU (ft / m)	49 / 15
Max. height difference between IDU's (ft / m)	33 / 10

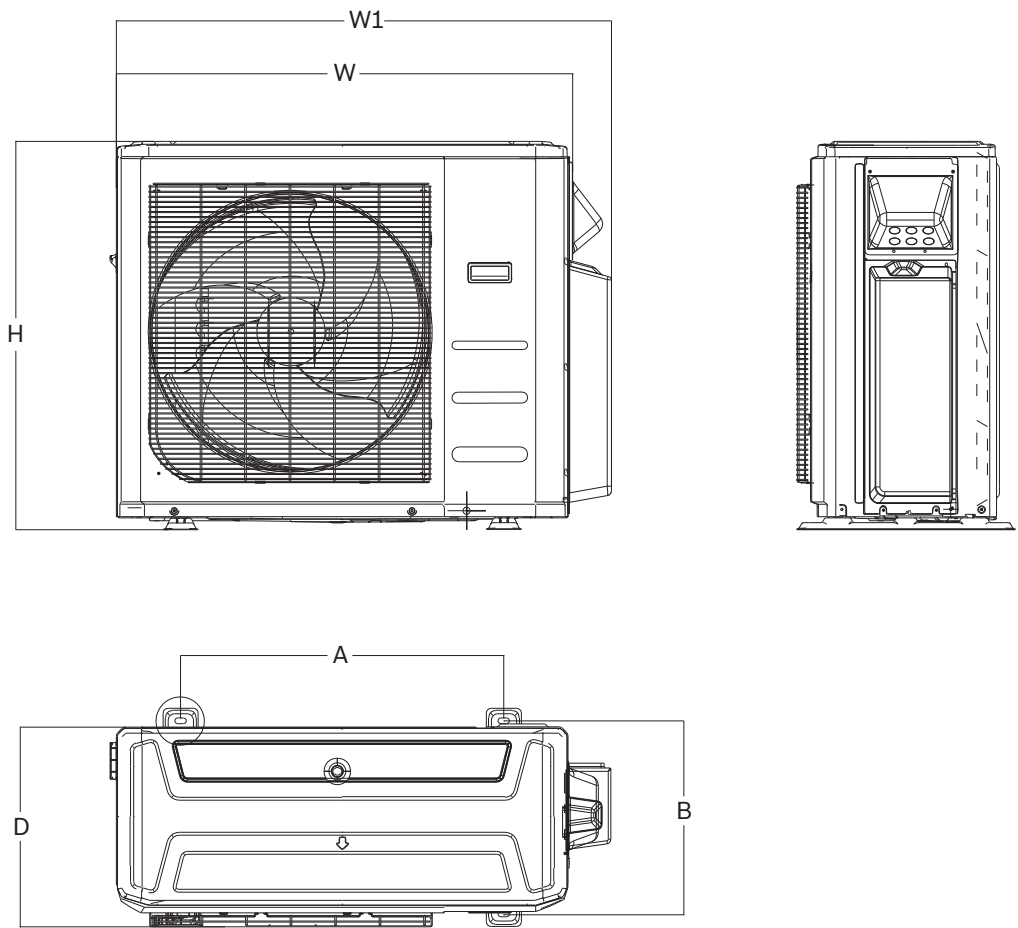
System Data

Refrigerant Type		R410A
Design pressure (PSIG)		550/340
Dehumidification (pts/hr)		3.79
ODU	Fan motor qty (ea)	1
	Fan motor input (W)	150.0
	Fan motor RLA (A)	1.39
	Fan motor speed, H / M / L (RPM)	900 / 750 / 600
	Air flow, Max (CFM)	2129
	Noise level, Max (dB(A))	63.4
	Net weight (lbs / kg)	149.9 / 68.0
	Gross weight (lbs / kg)	160.9 / 73.0
IDU	Minimum # of indoors	2
	Maximum # of indoors	2

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Outdoor Unit Dimensions and Connections



Model	W (in)	D (in)	H (in)	W1 (in)	A (in)	B (in)
BMS500-AAM018-1CSXHB	37.2	16.5	31.9	40.6	26.5	15.9