

Climate 5000 Series - Gen 4

9K BTU Single Zone Max Performance System

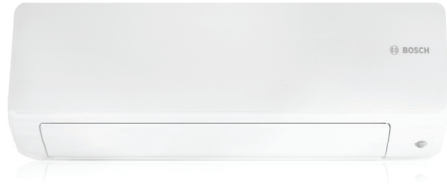
Wall Mounted IDU

Engineering
Submittal
Sheet



BOSCH

Overview and Project Information



Project name	
Location	
Architect	
Engineer	
General contractor	
Reference #	

9K Btu Single Zone Max Performance System - Wall Mounted IDU

Indoor part number		8-733-962-672
Indoor model number		BMS500-AAU009-1AHWXD
Outdoor part number		8-733-962-688
Outdoor model number		BMS500-AAS009-1CSXHD
Efficiency Data		AHRI 210/240 2023
SEER2		27.40
EER2		15.40
HSPF2 Region IV		12.5
HSPF2 Region V		9.5
COP(47F)		3.76
COP (5F)		1.80
Performance Data		AHRI 210/240 2023
Cooling	Capacity Range	3800~13500
	Rated Capacity	9000
	Current	4.1
	Input Power	580
Heating	Capacity Range	3800~16000
	Rated Capacity (47F)	12000
	Rated Capacity (5F)	11500
	Current	4.1
	Input Power	935
Electrical Data		
Power supply (V / Ø / Hz)		208-230 / 1 / 60
Min. circuit ampacity indoor/outdoor (A)		3.0 / 15.0
Max. fuse indoor/outdoor (A)		15.0 / 15.0
Compressor Data		
Type:		Rotary
Refrigerant oil /oil charge (ml)		VG74 / 350
Input (W)		885
Rated current (RLA/A)		6.0
Operation Range		
ODU	Cooling (°F / °C)	-22~122 / -30~50
	Heating (°F / °C)	-22~75 / -30~24
IDU	Cooling (°F / °C)	60~90 / 16~32
	Heating (°F / °C)	32~86 / 0~30

Piping

Refrigerant precharge (oz/g)	35.27 / 1000
Length for precharge (ft/m)	24.6 / 7.5
Liquid side (in/mm)	1/4" / Ø6.35
Gas side (in/mm)	3/8" / Ø9.52
Additional charge per ft (oz/g)	0.16 / 4.54
Max. refrigerant pipe length (ft/m)	82 / 25
Max. difference in height (ft/m)	49.2 / 15

System Data

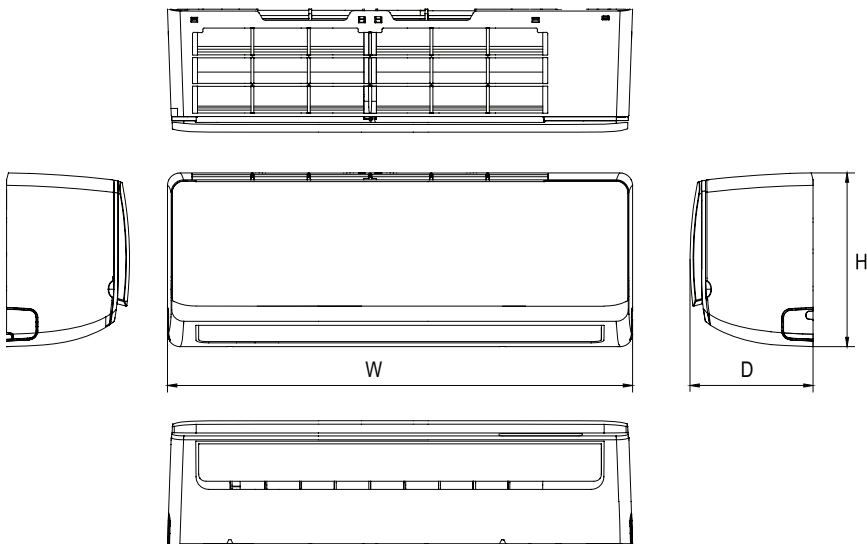
Refrigerant type		R454B
Design pressure (PSIG)		550 / 340
Dehumidification (pts/hr)		0.63
IDU	Fan motor model	ZKFP-20-8-6-7
	Fan motor qty (ea)	1
	Fan motor input (W)	50.0
	Fan speed (RPM)	1100 / 850 / 700
	Air flow, Turbo / H / M / L / Si (CFM)	441.4 / 323.7 / 229.6 / 176.6 / 147.2
	Approx. Air Throw Range ft (m)	23.0 / 7
	Noise level, Turbo / H / M / L / Si (dB(A))	NA / 38 / 33 / 20.5 / 19.5
	Net weight (lbs / kg)	23.37 / 10.6
ODU	Gross weight (lbs / kg)	29.98 / 13.6
	Fan motor model	ZKFN-34-10-1-3
	Fan motor qty (ea)	1
	Fan motor input (W)	50
	Fan motor speed, H / / L (RPM)	850 / 680 / 450
	Air flow, Max (CFM)	1470.6
	Noise level, Max (dB(A))	56
	Net weight (lbs / kg)	72.75 / 33
Accessories	Gross weight (lbs / kg)	78.7 / 35.7
BMS-WT2-XXD (8733962707)		Wired Wall Thermostat
BMS-DRY-XXD (8733969263)		24V Interface
BMS-PK1-7X1 (8733951010)		25ft Lineset
Standard Parts		
8-733-969-088		Remote Control

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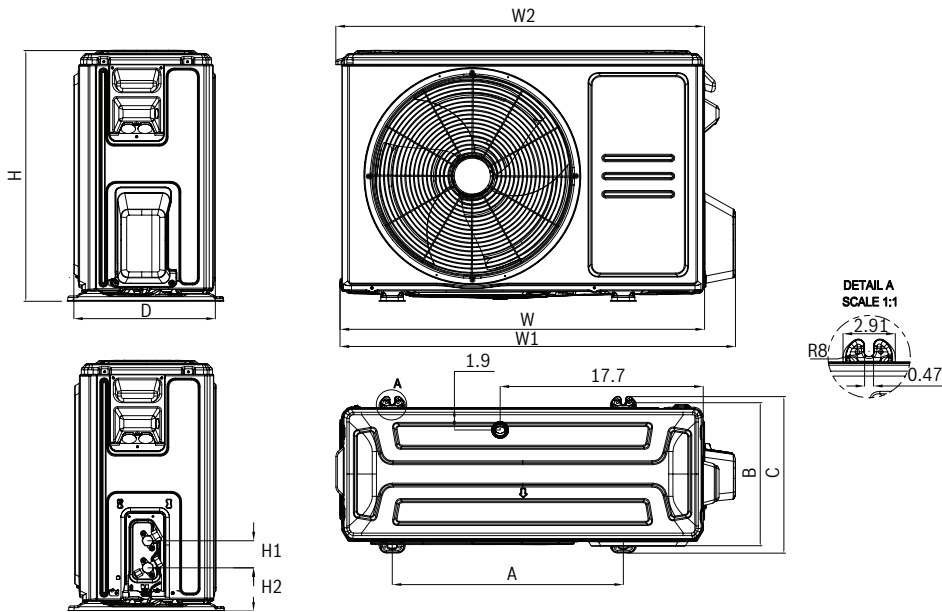


Indoor Unit Dimensions and Connections



Model	W (in)	D (in)	H (in)
BMS500-AAU009-1AHWXC	31.42	9.21	11.85

Outdoor Unit Dimensions and Connections



Model	W (in)	D (in)	H (in)	W1 (in)	W2 (in)	H1 (in)	H2 (in)	A (in)	B (in)	C (in)
BMS500-AAS009-1CSXHC	31.69	12.99	21.81	34.4	32.1	2.4	3.8	20.1	12.5	13.6