

Climate 5000 Series - Gen 4

9K BTU Single Zone Regular System

Wall Mounted IDU

Engineering
Submittal
Sheet



BOSCH

Overview and Project Information



Project name	
Location	
Architect	
Engineer	
General contractor	
Reference #	

9K Btu Single Zone Regular System - Wall Mounted IDU

Indoor part number	8-733-962-672
Indoor model number	BMS500-AAU009-1AHWXD
Outdoor part number	8-733-962-684
Outdoor model number	BMS500-AAS009-1CSXRD

Efficiency Data AHRI 210/240 2023

SEER2	25.8
EER2	14.9
HSPF2 Region IV	12.5
HSPF2 Region V	9.2
COP(47F)	3.90
COP (5F)	2.36

Performance Data AHRI 210/240 2023

Cooling	Capacity Range	2200~13000
	Rated Capacity	9000
	Current	4.5
	Input Power	604
Heating	Capacity Range	4100~13800
	Rated Capacity (47F)	10000
	Rated Capacity (5F)	8000
	Current	3.3
	Input Power	750

Electrical Data

Power supply (V / Ø / Hz)	208-230 / 1 / 60
Min. circuit ampacity indoor/outdoor (A)	3.0 / 12.0
Max. fuse indoor/outdoor (A)	15.0 / 15.0

Compressor Data

Type:	Rotary
Refrigerant oil /oil charge (ml)	VG74 / 310
Input (W)	325 / 826
Rated current (RLA/A)	2.40 / 5.65

Operation Range

ODU	Cooling (°F / °C)	-13~122 / -25~50
	Heating (°F / °C)	-13~75 / -25~24
IDU	Cooling (°F / °C)	60~90 / 16~32
	Heating (°F / °C)	32~86 / 0~30

Piping

Refrigerant precharge (oz/kg)	32.45 / 0.92
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 of Refrigerant (oz/ft)/(g/m)	0.16 / 15
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)	1.27

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))	47.5 / 43 / 31 / 18 / 17
	Net weight (lbs / kg)	23.37 / 10.6
ODU	Gross weight (lbs / kg)	29.98 / 13.6
	Fan motor model	ZKFN-34-10-1L
	Fan motor qty (ea)	1
	Fan motor input (W)	50
	Fan motor speed, H / M / L (RPM)	800 / 700 / 600
	Air flow, Max (CFM)	1235.3
	Noise level, Max (dB(A))	52.5
	Net weight (lbs / kg)	62.17 / 28.2
	Gross weight (lbs / kg)	67.68 / 30.7

Accessories

BMS-WT2-XXD (8733962707)	Wired Wall Thermostat
BMS-DRY-XXD (8733969263)	24V Interface
BMS-PK1-7X1 (8733951010)	25ft Lineset

Standard Parts

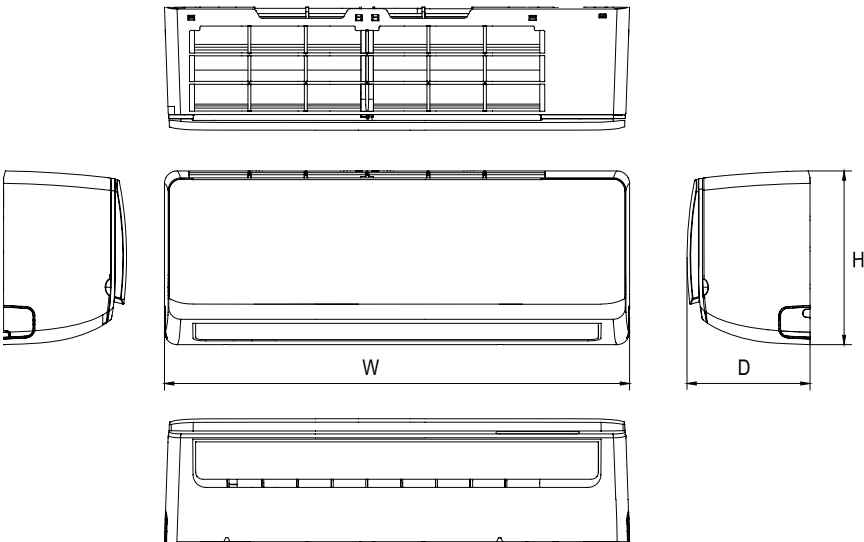
8-733-969-088	Remote Control
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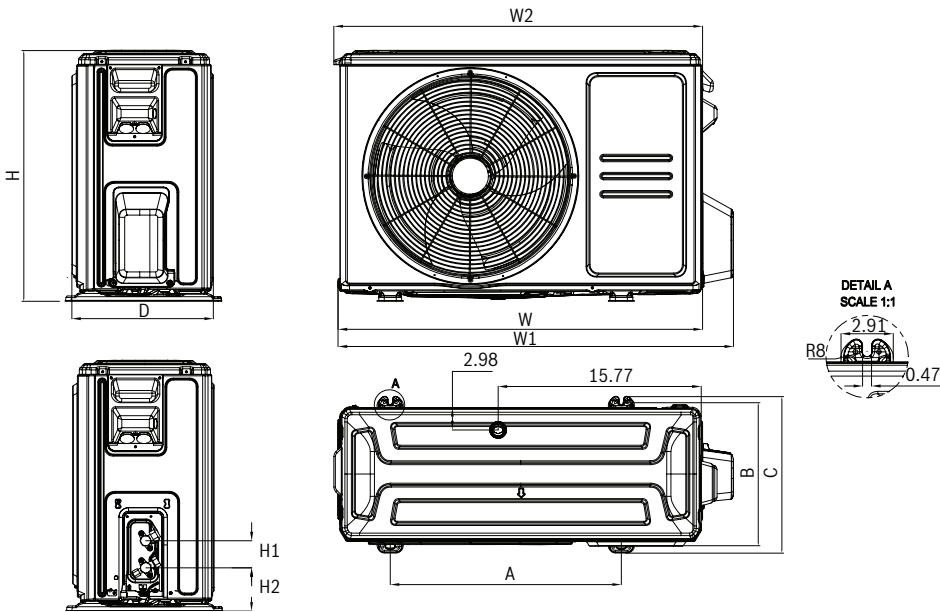


Indoor Unit Dimensions and Connections



Model	W (in)	D (in)	H (in)
BMS500-AAU009-1AHWXD	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-AAS009-1CSXRD	30.12	11.93	21.85	32.9	30.87	2.36	3.67	17.8	11.26	12.36