

# Climate 5000 Series - Gen 4

## 6K BTU Single Zone Regular System

### Wall Mounted IDU

Engineering  
Submittal  
Sheet



# BOSCH

#### Overview and Project Information



Project name

Location

Architect

Engineer

General contractor

Reference #

#### 6K Btu Single Zone Regular System - Wall Mounted IDU

Indoor part number	8-733-962-676
Indoor model number	BMS500-AAU006-1AHWXD
Outdoor part number	8-733-962-688
Outdoor model number	BMS500-AAS009-1CSXRD

#### Efficiency Data AHRI 210/240 2023

SEER2	25.00
EER2	18.00
HSPF2 Region IV	12.50
HSPF2 Region V	10.00
COP(47F)	4.60
COP (5F)	2.36

#### Performance Data AHRI 210/240 2023

Cooling	Capacity Range	2200~13000
	Rated Capacity	6000
	Current	2.6
	Input Power	330
Heating	Capacity Range	4100~13800
	Rated Capacity (47F)	6000
	Rated Capacity (5F)	8300
	Current	2.70
	Input Power	380

#### 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 / 310
Input (W)	325 / 826
Rated current (RLA/A)	2.40 / 5.65

#### 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/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)	1.20

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)	441.5 / 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 / 43.0 / 31.0 / 18.0 / 17.5
ODU	Net weight (lbs / kg)	23.37 / 10.36
	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)	50.0
	Fan motor speed, H / M / L (RPM)	850 / 680 / 450
	Air flow, Max (CFM)	1470.6
	Noise level, Max (dB(A))	56.0
	Net weight (lbs / kg)	72.75 / 33
	Gross weight (lbs / kg)	78.70 / 35.7

#### Accessories

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

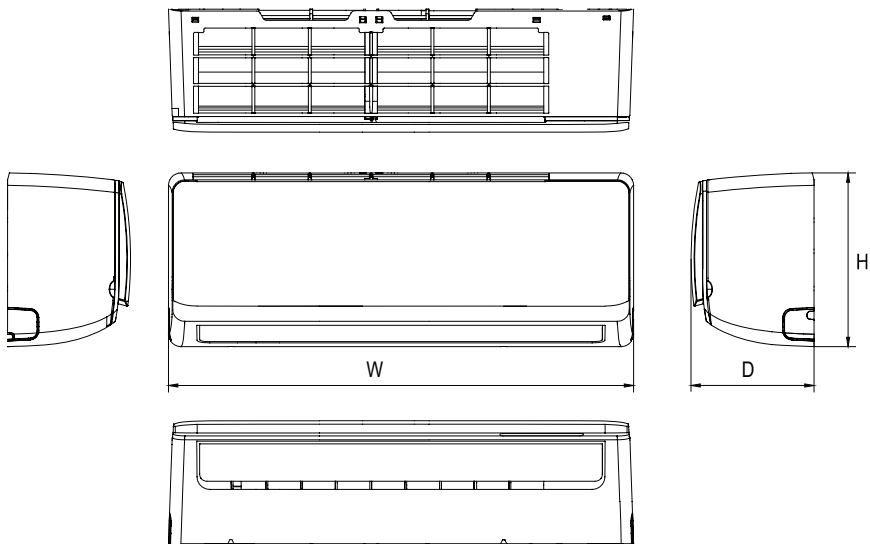
#### Standard Parts

8-733-969-088	Remote Control
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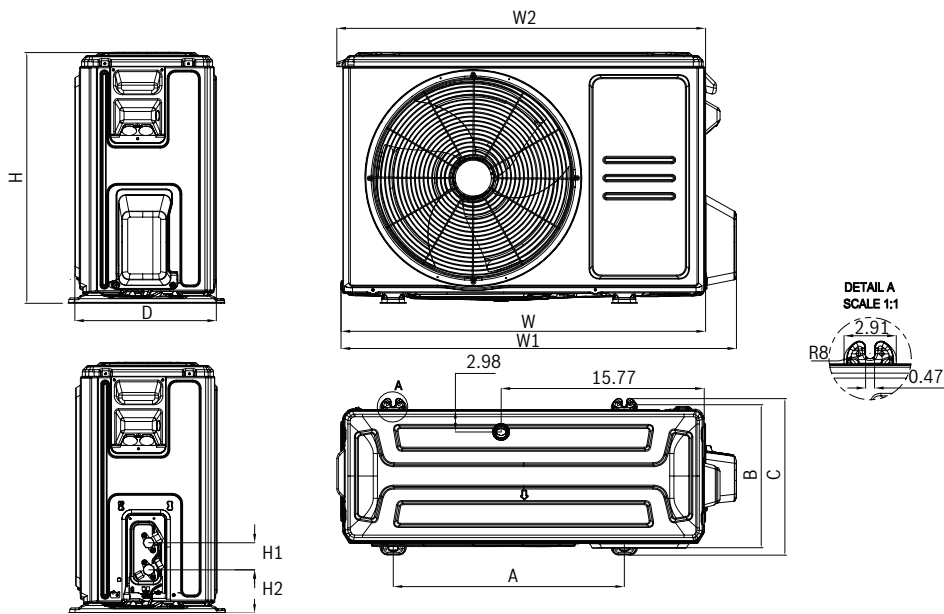


Indoor Unit Dimensions and Connections



Model	W (in)	D (in)	H (in)
BMS500-AAU006-1AHWXD	31-3/8	9-1/4	11-7/8

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