

Climate 5000 Series

6K 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 #

6K Btu Single Zone Max Performance System - Wall Mounted IDU

Indoor part number	8733956181	
Indoor model number	BMS500-AAU006-1AHWC	
Outdoor part number	8733956189	
Outdoor model number	BMS500-AAS009-1CSXRC	

Efficiency Data		AHRI 210/240 2017	AHRI 210/240 2023
SEER		26.50	26.50
EER		15.80	15.80
HSPF Region IV		14.00	13.60
HSPF Region V		11.00	10.00
COP(47F)		3.92	3.92
COP (5F)		2.1	2.10

Performance Data		AHRI 210/240 2017	AHRI 210/240 2023
Cooling	Capacity Range	3400~12000	3400~12000
	Rated Capacity	6000	6000
	Current	3.30	3.30
	Input Power	380	380
Heating	Capacity Range	3300~11500	3300~11500
	Rated Capacity (47F)	7000	7000
	Rated Capacity (5F)	7500	7500
	Current	3.92	3.92
	Input Power	449	449

Electrical Data

Power supply (V / Ø / Hz)	208-230 / 1 / 60
Min. circuit ampacity indoor/ outdoor (A)	3.0 / 13.0
Max. fuse indoor/outdoor (A)	15.0 / 15.0

Compressor Data

Type:	Rotary
Refrigerant oil/oil charge (ml)	VG74 / 310
Input (W)	790
Rated current (RLA / A)	7.6

Operation Range

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

Piping

Refrigerant precharge (oz/g)	38.1 / 1080
Length for precharge (ft/m)	25 / 7.6
Liquid side (in/mm)	1/4" / Ø6.35
Gas side (in/mm)	3/8" / Ø9.52
Additional charge per ft (oz/g)	0.16 / 15
Max. refrigerant pipe length (ft/m)	98 / 30
Max. difference in height (ft/m)	66 / 20

System Data

Refrigerant type	R410A
Design pressure (PSIG)	550/340
Dehumidification (pts/hr)	2.12

IDU	Fan motor model	ZKFP-20-8-6-7
	Fan motor qty (ea)	1
	Fan motor input (W)	50
	Fan speed (RPM)	970 / 862 / 808
	Air flow, H / M / L (CFM)	317.65 / 217.65 / 176.47
	Approx. Air Throw Range ft (m)	4.9(1.5)-31(9.5)
	Noise level, H / M / L (dB(A))	36 / 32 / 23
	Net weight (lbs / kg)	25.35 / 11.5
ODU	Gross weight (lbs / kg)	30.64 / 13.9
	Fan motor model	ZKFN-34-10-1-3
	Fan motor qty (ea)	1
	Fan motor input (W)	100.3
	Fan motor speed, H / L (RPM)	800 / 600
	Air flow, Max (CFM)	1294
	Noise level, Max (dB(A))	53.0
	Net weight (lbs / kg)	63.71 / 28.9
	Gross weight (lbs / kg)	69.00 / 31.3

IDU	Fan motor model	ZKFN-34-10-1-3
	Fan motor qty (ea)	1
	Fan motor input (W)	100.3
	Fan motor speed, H / L (RPM)	800 / 600
	Air flow, Max (CFM)	1294
	Noise level, Max (dB(A))	53.0
	Net weight (lbs / kg)	63.71 / 28.9
	Gross weight (lbs / kg)	69.00 / 31.3

Accessories

BMS-WT1-XXC (8733956179)	Wired Wall Thermostat
BMS-DRY-XXX (8733953129)	24V Interface
BMS-PK1-7X1 (8733951010)	25ft Lineset
BMS-PK1-5X1 (8733951016)	16ft Lineset

Standard Parts

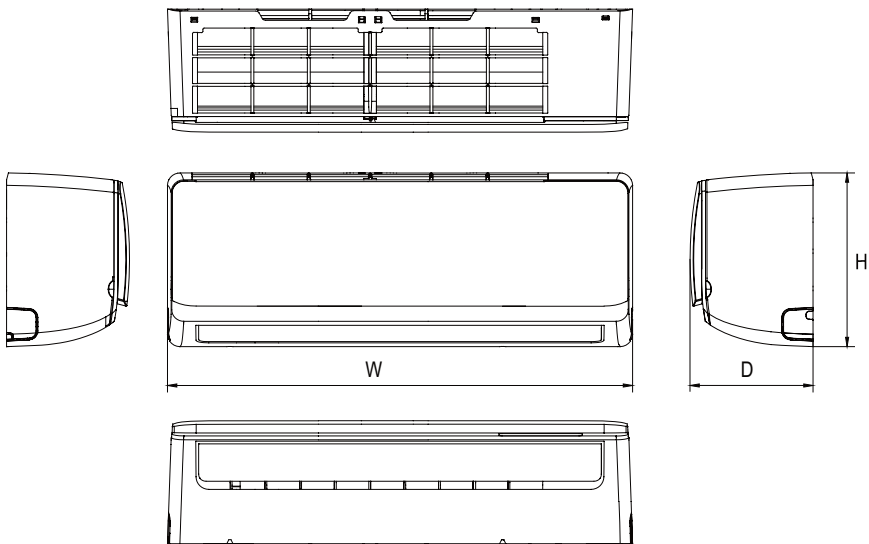
8-733-956-822	Remote Control
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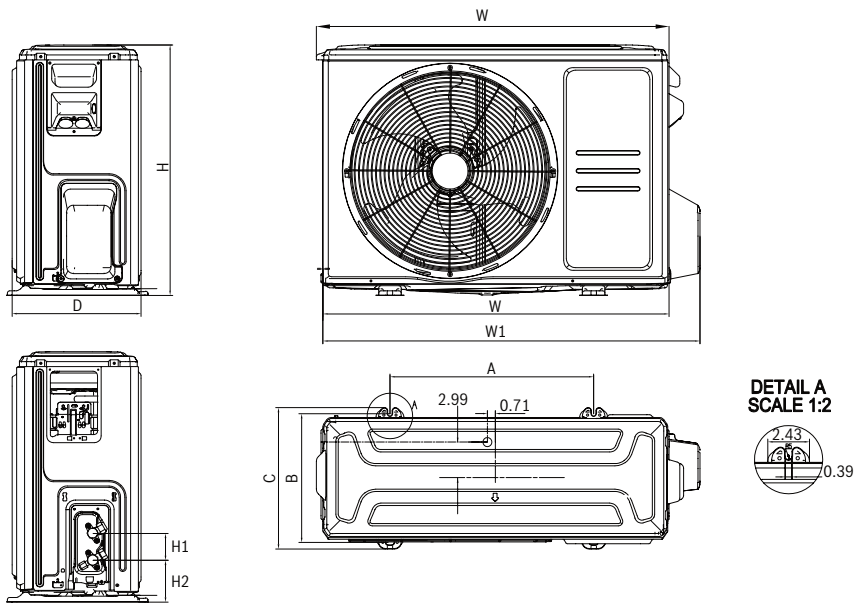
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Indoor Unit Dimensions and Connections



Model	W (in)	D (in)	H (in)
BMS500-AAU006-1AHWXC	33.4	9.1	11.7

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-AAS009-1CSXRC	30.12	11.26	21.85	33.0	30.87	2.36	3.67	17.8	11.26	12.36