

Climate 5000 Series

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	8733956175
Indoor model number	BMS500-AAU009-1AHWXC
Outdoor part number	8733956193
Outdoor model number	BMS500-AAS009-1CSXHC

Efficiency Data		AHRI 210/240 2017	AHRI 210/240 2023
SEER		28.10	28.10
EER		16.20	16.20
HSPF Region IV		13.0	11.5
HSPF Region V		11.0	9.0
COP(47F)		3.81	3.81
COP (5F)		1.80	2.0

Performance Data		AHRI 210/240 2017	AHRI 210/240 2023
Cooling	Capacity Range	3300~14300	3300~14300
	Rated Capacity	9000	9000
	Current	2.5	2.5
	Input Power	556	556
Heating	Capacity Range	5000~15200	5000~15200
	Rated Capacity (47F)	11800	12000
	Rated Capacity (5F)	10500	10600
	Current	4.1	4.1
	Input Power	907	907

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)	830
Rated current (RLA/A)	10.04

Operation Range		
ODU	Cooling (°F / °C)	-22~122 / -30~50
	Heating (°F / °C)	-22~86 / -30~30
IDU	Cooling (°F / °C)	60~90 / 16~32
	Heating (°F / °C)	32~86 / 0~30

Piping

Refrigerant precharge (oz/g)	41.62 / 1180
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)	1020 / 892 / 828
	Air flow, H / M / L (CFM)	335.29 / 229.41 / 176.47
	Approx. Air Throw Range ft (m)	4.9(1.5)~31(9.5)
	Noise level, H / M / L (dB(A))	38 / 33.5 / 23.5
	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)	850 / 680 / 450
	Air flow, Max (CFM)	1324
	Noise level, Max (dB(A))	54.5
	Net weight (lbs / kg)	74.1 / 33.6
	Gross weight (lbs / kg)	80.3 / 36.4

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)	850 / 680 / 450
	Air flow, Max (CFM)	1324
	Noise level, Max (dB(A))	54.5
	Net weight (lbs / kg)	74.1 / 33.6
	Gross weight (lbs / kg)	80.3 / 36.4

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

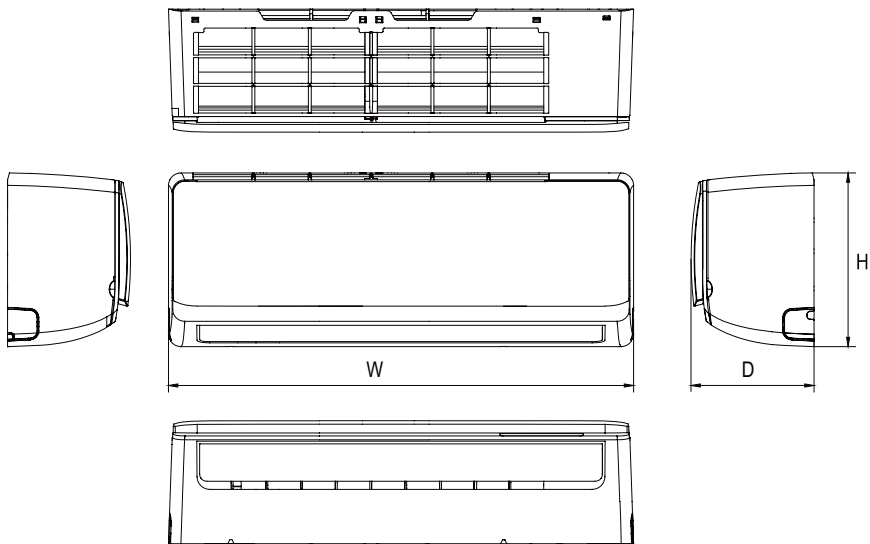
Standard Parts	
8-733-956-822	Remote Control

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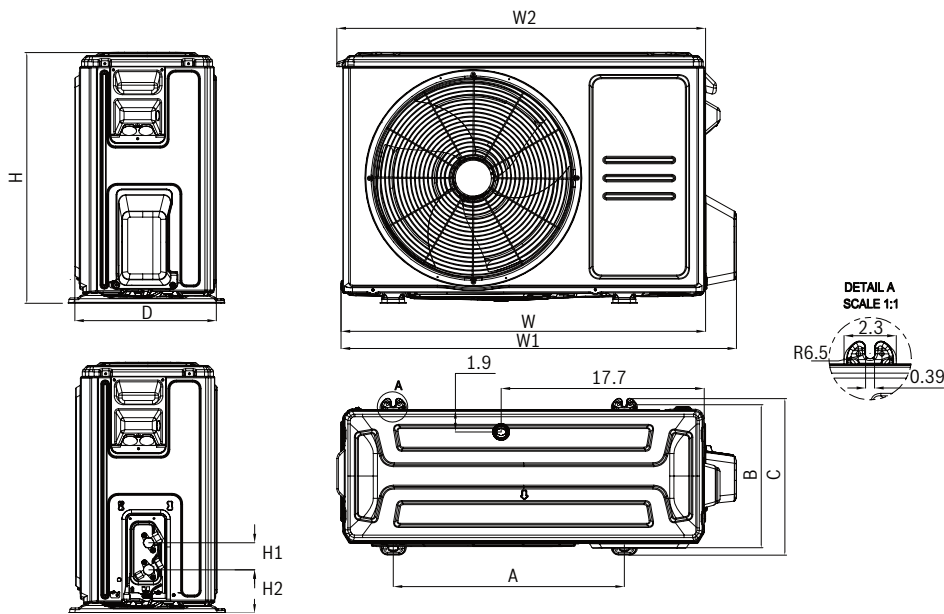
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Indoor Unit Dimensions and Connections



Model	W (in)	D (in)	H (in)
BMS500-AAU009-1AHWXC	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-AAS009-1CSXHC	31.7	13.0	21.8	34.4	32.1	2.4	3.8	20.1	12.5	13.6