

Climate 5000 Series

36K BTU Multi Zone Max Performance

Outdoor Unit – Ducted

Engineering
Submittal
Sheet



BOSCH

Overview and Project Information



Project Name

Location

Architect

Engineer

General Contractor

Reference #

Date

36K Btu Multi Zone Max Performance Outdoor Unit - Ducted

Indoor model #	8733953094 (Qty 4)
Indoor model name	BMS500-AAU009-1AHWXB (Qty 4)
Outdoor model #	8733953121
Outdoor model name	BMS500-AAM036-1CSXHB

Performance Data

Cooling	Capacity (Btu/h):	36000
	Input (W)	3186
	Rated current (A)	13.9
	EER (Btu/w)	11.3
	SEER (Btu/w)	19.0
Heating at 47°F	Capacity (Btu/h)	37000
	Input (W)	2899
	Rated current (A)	12.6
	COP (W/W)	3.74
	HSPF4	11
	HSPF5	9.3

Electrical Data

Power supply (V / Ø / Hz)	208-230 / 1 / 60
Min. Circuit ampacity (A)	35.0
Max. Fuse (A)	50.0

Compressor Data

Type:	Twin-Rotary
Refrigerant oil /oil charge (ml)	ESTER OIL VG74 / 1400
Input (W)	3040
Rated current (RLA / A)	21.00

Operation Range

ODU	Cooling (°F / °C)	-22~122 / -30~50
	Heating (°F / °C)	-22~86 / -30~30

Piping

Refrigerant precharge (ft / m)	98 / 30
Refrigerant charge (oz / g)	162.3 / 4601
Additional charge per ft (oz)	0.161
Liquid side (in / mm)	4 x 1/4" / Ø6.35
Gas side (in / mm)	3 x 3/8" + 1 x 1/2" 3 x Ø9.52 + 1 x Ø12.7
Max. refrigerant pipe length (ft / m)	262 / 80
Max. length to one IDU (ft / m)	115 / 35
Max. height difference between IDU and ODU (ft / m)	49 / 15
Max. height difference between IDU's (ft / m)	33 / 10

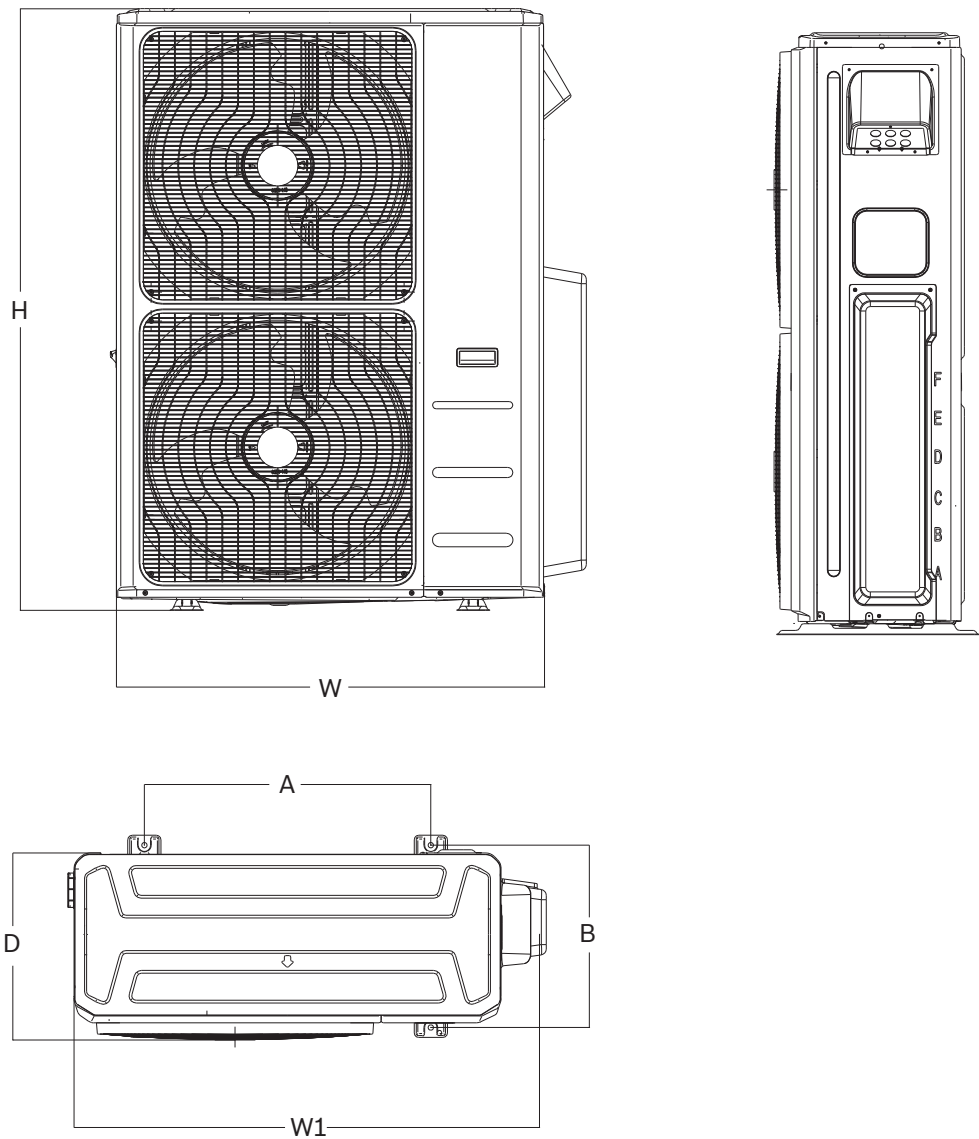
System Data

Refrigerant Type		R410A
Design pressure (PSIG)		550/340
Dehumidification (pts/hr)		8.45
ODU	Fan motor qty (ea)	2
	Fan motor input (W)	126.0
	Fan motor RLA (A)	1.18
	Fan motor speed, H / M / L (RPM)	800 / 700 / 600
	Air flow, Max (CFM)	4500
	Noise level, Max (dB(A))	64.0
	Net weight (lbs / kg)	223.8 / 101.5
	Gross weight (lbs / kg)	255.1 / 115.7
IDU	Minimum # of indoors	2
	Maximum # of indoors	4

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Outdoor Unit Dimensions and Connections



Model	W (in)	D (in)	H (in)	W1 (in)	A (in)	B (in)
BMS500-AAM036-1CSXHB	37.5	16.3	52.5	41.1	25.0	15.9