

# Climate 5000 Series - Gen 4

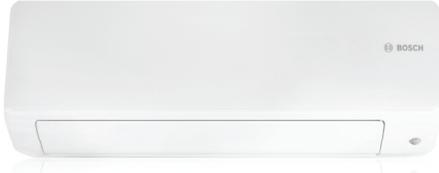
## 18K BTU Single Zone Max Performance System

### Wall Mounted IDU

Engineering  
 Submittal  
 Sheet



# BOSCH

Overview and Project Information	
   	Project name
	Location
	Architect
	Engineer
	General contractor
	Reference #

18K Btu Single Zone Max Performance System - Wall Mounted IDU		
Indoor part number	8-733-962-674	
Indoor model number	BMS500-AAU018-1AHWXD	
Outdoor part number	8-733-962-690	
Outdoor model number	BMS500-AAS018-1CSXHD	
<b>Efficiency Data</b> <span style="float:right">AHRI 210/240 2023</span>		
SEER2	21.4	
EER2	12.5	
HSPF2 Region IV	11.0	
HSPF2 Region V	8.5	
COP(47F)	3.26	
COP (5F)	1.92	
<b>Performance Data</b> <span style="float:right">AHRI 210/240 2023</span>		
Cooling	Capacity Range	8800~19400
	Rated Capacity	18000
	Current	6.4
	Input Power	1440
Heating	Capacity Range	11200~19500
	Rated Capacity (47F)	18000
	Rated Capacity (5F)	18000
	Current	7.2
	Input Power	1618
<b>Electrical Data</b>		
Power supply (V / Ø / Hz)	208-230 / 1 / 60	
Min. circuit ampacity indoor/outdoor (A)	3.0 / 19.0	
Max. fuse indoor/outdoor (A)	15.0 / 20.0	
<b>Compressor Data</b>		
Type:	Rotary	
Refrigerant oil /oil charge (ml)	VG74 / 620	
Input (W)	805 / 2045	
Rated current (RLA/A)	4.15 / 9.30	
<b>Operation Range</b>		
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/g)	55.38 / 1570.00	
Length for precharge (ft/m)	24.6 / 7.5	
Liquid side (in/mm)	1/4" / Ø6.35	
Gas side (in/mm)	1/2" / Ø12.7	
Additional charge per ft (oz/g)	0.16 / 4.54	
Max. refrigerant pipe length (ft/m)	98.40 / 30	
Max. difference in height (ft/m)	65.6 / 20	
<b>System Data</b>		
Refrigerant type	R454B	
Design pressure (PSIG)	550 / 340	
Dehumidification (pts/hr)	4.64	
IDU	Fan motor model	ZKFP-30-8-3-10
	Fan motor qty (ea)	1
	Fan motor input (W)	36.0
	Fan speed (RPM)	1190 / 994 / 896
	Air flow, Turbo / H / M / L / Si (CFM)	635.7 / 500.3 / 359.0 / 294.3 //
	Approx. Air Throw Range ft (m)	26.2 / 8
	Noise level, Turbo / H / M / L / Si (dB(A))	49.5 / 45.0 / 38.0 / 31.5 / 19.5
	Net weight (lbs / kg)	27.34 / 12.4
	Gross weight (lbs / kg)	36.60 / 16.6
	ODU	Fan motor model
Fan motor qty (ea)		1
Fan motor input (W)		115
Fan motor speed, H / M / L (RPM)		780 / 700 / 550
Air flow, Max (CFM)		1764.7
Noise level, Max (dB(A))		59
Net weight (lbs / kg)	99.87 / 45.3	
Gross weight (lbs / kg)	107.8 / 48.9	
<b>Accessories</b>		
BMS-WT2-XXD (8733962707)	Wired Wall Thermostat	
BMS-DRY-XXD (8733969263)	24V Interface	
BMS-PK2-7X1 (8733951011)	25ft Lineset	
<b>Standard Parts</b>		
8-733-969-088	Remote Control	

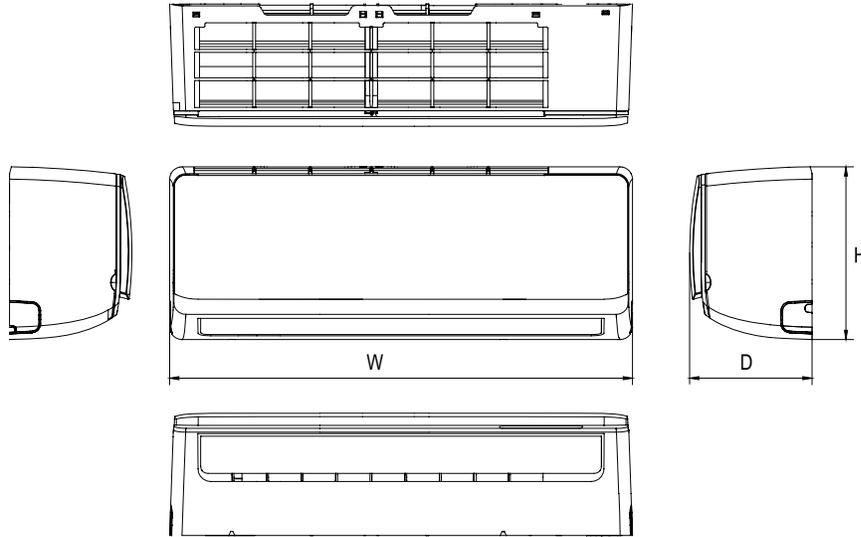
# Climate 5000 Series - Gen 4

## 18K Btu Single Zone Max Performance System - Wall Mounted IDU



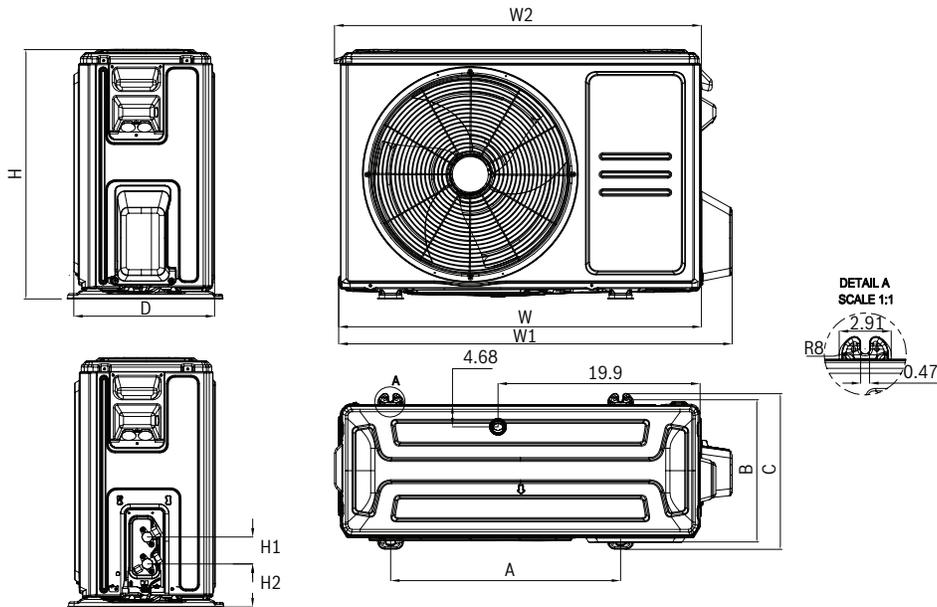
# BOSCH

### Indoor Unit Dimensions and Connections



Model	W (in)	D (in)	H (in)
BMS500-AAU018-1AHWXD	38.0	9.8	12.56

### 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-AAS018-1CSXHD	35.04	13.46	26.5	37.6	35.24	2.36	4.25	26.1	13.7	14.96