



Submittal Sheet

Submitted for:

☐ Approval

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Job Name: _____

Date: _____

Contractor: _____

Location: _____

Engineer: _____

Tag: _____

BLUE SERIES-II DC INVERTER

Outdoor Units: ABSCI4H4S09

Indoor Units: ABSEM4H4S09

ABSCI4H4S12

ABSEM4H4S12

ABSCI4H4S18

ABSEM4H4S18

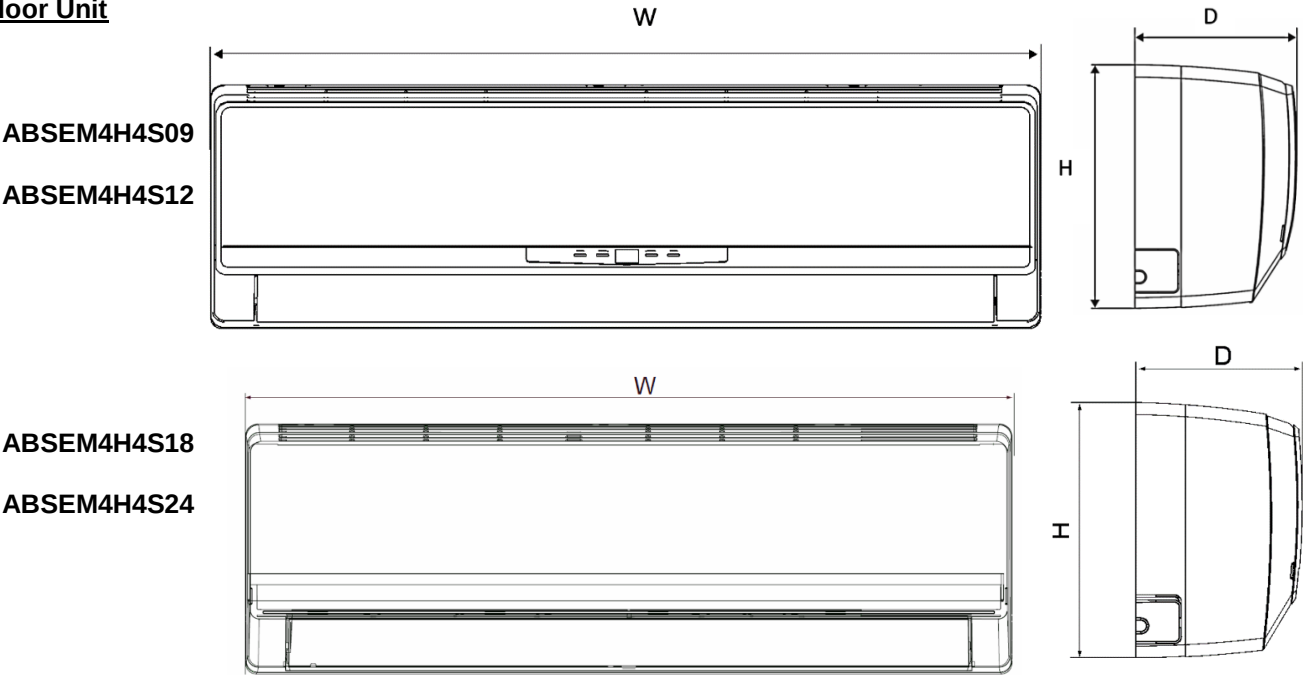
ABSCI4H4S24

ABSEM4H4S24

Notes: _____

Summary, Features, and Construction Views

Indoor Unit



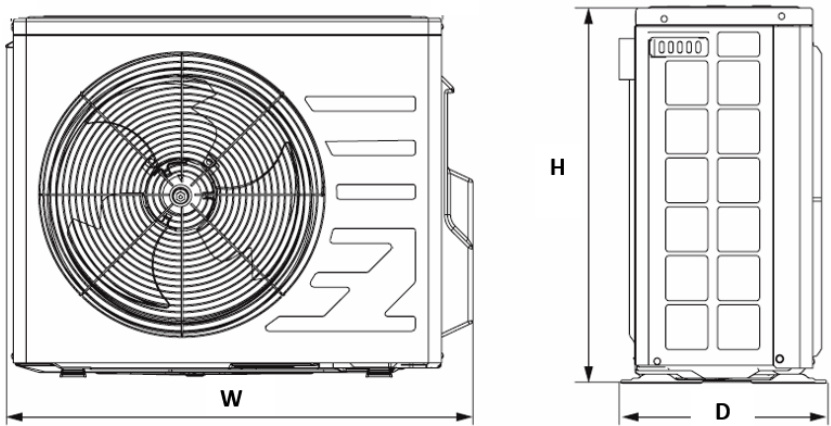
Model	W	H	D
Units:mm			
ABSEM4H4S09 ABSEM4H4S12	870	270	214
ABSEM4H4S18 ABSEM4H4S24	1148	315	236
Units:in			
ABSEM4H4S09 ABSEM4H4S12	34-1/4	10-5/8	8
ABSEM4H4S18 ABSEM4H4S24	45-3/16	12-3/8	9-3/8

*True dimensions in inches

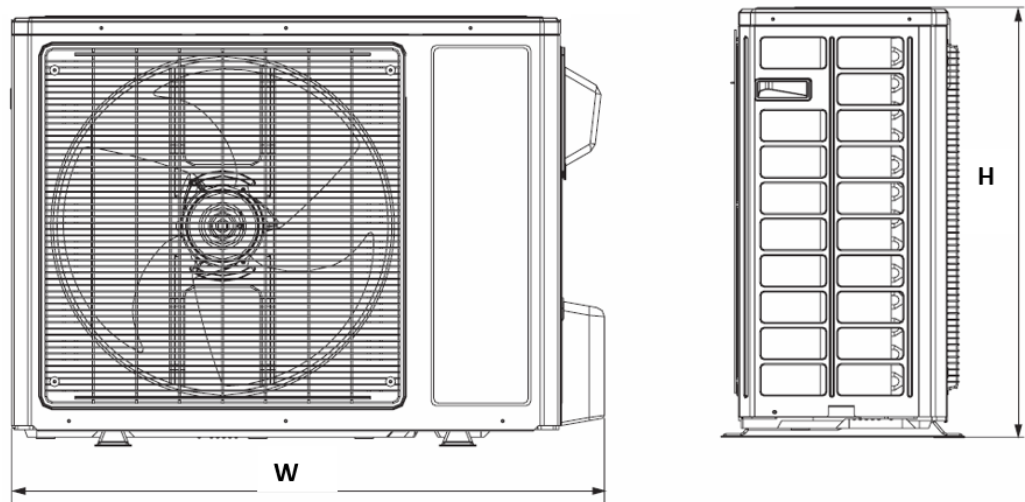
Summary, Features, and Construction Views

Outdoor Unit

ABSCI4H4S09 & ABSCI4H4S12



ABSCI4H4S18 & ABSCI4H4S24



Model	W	H	D
Units:mm			
ABSCI4H4S09	715	482	240
ABSCI4H4S12	810	585	280
ABSCI4H4S18	860	650	310
ABSCI4H4S24	885	795	366
Units:in			
ABSCI4H4S09	28-1/8	19	9-7/16
ABSCI4H4S12	31-7/8	23	11
ABSCI4H4S18	33-7/8	25-9/16	12-3/16
ABSCI4H4S24	34-7/8	31-5/16	14-3/8

*True dimensions in inches

Specifications

Specifications

9000 and 12000 BTU units

Parameter		Unit	Value	
Model			ABSEM4H4S09/ABSCI4H4S09	ABSEM4H4S12/ABSCI4H4S12
Power Supply	Rated Voltage	V~	208/230	208/230
	Rated Frequency	Hz	60	60
	Phases		1	1
Power Supply Mode			Outdoor	Outdoor
Cooling Capacity (Min~Max)		Btu/h	9000(3600~10000)	12000(4000~13500)
Heating Capacity (Min~Max)		Btu/h	9500(3600~10500)	13000(4000~14000)
Cooling Power Input		W	670	920
Heating Power Input		W	730	1130
Cooling Current Input		A	3.1(1~6.5)	4.1(1.2~7.0)
Heating Current Input		A	3.3(1~6.5)	5.0(1.2~7.0)
Air Flow Volume (SH/H/M/L/SL)		CFM	341	365
		m ³ /h	580	620
Dehumidifying Volume		Pint/h	1.9	2.5
		L/h	0.9	1.2
EER		Btu/Wh	13.43	13.04
COP		Btu/Wh	13.01	11.5
SEER			21.5	20.5
HSPF			10.5	10.8
E-Star			Yes	Yes
Indoor Unit	Indoor Unit Model		ABSEM4H4S09	ABSEM4H4S12
	Fan Type		Cross-flow	Cross-flow
	Motor Speed (H/M/L)	r/min	1250/1100/950	1250/1100/950
	DC Motor Manufacturer		Weiling	Weiling
	Motor Model		DG13G1-21	DG13G1-21
	Fan Motor Power Input	W	14	14
	Evaporator Form		Aluminum Fin-copper tube	Aluminum Fin-copper tube
	Evaporator Row-fin Gap	Inch	1/18	1/18
		mm	1.41	1.41
	Evaporator Coil Length (LXDXW)	Inch	24.4X1.1X11.6	24.4X1.1X11.6
		mm	620X27.2X294	620X27.2X294
	Sound Pressure Level (SH/H/M/L/SL)	dB(A)	39/32/29/26/-	39/32/29/26/-
	Dimension (WXHXD)	inch	34-1/4X10-5/8X8-7/16	34-1/4X10-5/8X8-7/16
		mm	870X270X214	870X270X214
	Dimension of Package (LXWXH)	Inch	35-7/16X13-3/16X10-3/16	35-7/16X13-3/16X10-3/16
		mm	900X335X260	900X335X260
	Net Weight	lb	18.74	19.84

		kg	8.5	9.0
	Gross Weight	lb	24.25	24.25
		kg	11.0	11.0
Outdoor Unit	Outdoor Unit Model		ABSCI4H4S09	ABSCI4H4S12
	Compressor Manufacturer		Hitachi	GMCC
	Compressor Model		ASD088RKQA6JT6	ASN108D32UFZ
	Compressor Oil			
	Compressor Type		Rotary	Rotary
	Fan motor manufacturer		Weiling	Weiling
	Fan motor model		ZWA138D08A	ZWA138D08A
	Fan Motor Power Input	W	30	30
	Fan Motor Speed (H/M/L)	RPM	880/650/450	880/650/450
	Throttling Method		Capillary tube	Capillary tube
	Set Temperature Range	°F	61~86	61~86
		°C	16~30	16~30
	Ambient Temperature (Cooling)	°F	5~115	5~115
		°C	-15~46	-15~46
	Ambient Temperature (Heating)	°F	-4~75	-4~75
		°C	-20~24	-20~24
	Condenser Form		Aluminum fin-copper tube	Aluminum fin-copper tube
	Sound Pressure Level	dB(A)	53	53
	Dimension (WXHxD)	mm	715X482X280	810X585X280
		in	28-1/8X19X9-7/16	31-7/8X23X11
	Dimension of Package (L/W/H)	mm	830X530X340	940X640X385
		in	32-11/16X20-7/8X13-3/8	37X25-3/16X15-3/16
	Net Weight	kg	27.0	33.0
		Lbs	59.5	72.75
	Gross Weight	kg	30	36
		Lbs	66.14	79.36
	Refrigerant		R410A	R410A
	Refrigerant Charge	grams	950	1160
		oz	33.5	40.9
	Outer Diameter Liquid Pipe	mm	6.35	6.35
		in	¼	¼
	Outer Diameter Gas Pipe	mm	9.53	9.53
		in	3/8	3/8

Note: The connection pipe applies metric diameter.

18000 and 24000 BTU units

Parameter		Unit	Value	
Model			ABSEM4H4S18/ABSCI4H4S18	ABSEM4H4S24/ABSCI4H4S24
Power Supply	Rated Voltage	V~	208/230	208/230
	Rated Frequency	Hz	60	60
	Phases		1	1
Power Supply Mode			Outdoor	Outdoor
Cooling Capacity (Min~Max)		Btu/h	18000(6500~19500)	24000(8000~26500)
Heating Capacity (Min~Max)		Btu/h	19000(6500~20000)	24500(8000~26500)
Cooling Power Input		W	1385	2035
Heating Power Input		W	1595	2080
Cooling Current Input		A	6.3(1.5~12)	9.2(1.8~13.0)
Heating Current Input		A	7.2(1.5~12.0)	9.3(1.8~13.0)
Air Flow Volume (SH/H/M/L/SL)	CFM		647	706
	m ³ /h		1100	1200
Dehumidifying Volume	Pint/h		3.17	5.07
	L/h		1.5	2.4
EER		Btu/Wh	13.00	11.73
COP		Btu/Wh	11.9	11.78
SEER			23.3	20.5
HSPF			11.6	11.8
E-Star			Yes	No
Indoor Unit	Indoor Unit Model		ABSEM4H4S18	ABSEM4H4S24
	Fan Type		Cross-flow	Cross-flow
	Motor Speed (H/M/L)	r/min	1100/960/800	1200/1040/880
	DC Motor Manufacturer		Weiling	Weiling
	Motor Model		K1B310497	K1B310497
	Fan Motor Power Input	W	35	35
	Evaporator Form		Aluminum Fin-copper tube	Aluminum Fin-copper tube
	Evaporator Row-fin Gap	Inch	1/18	1/18
		mm	1.41	1.41
	Evaporator Coil Length (LXD _X W)	Inch	33.2X1.1X14.9	33.2X1.1X13.23
		mm	842X27.2X378	842X27.2X336
	Sound Pressure Level (SH/H/M/L/SL)	dB(A)	45/41/37/34/-	48/45/40/36/-
	Dimension (WXH _X D)	inch	45-3/16X12-3/8X9-3/8	45-3/16X12-3/8X9-3/8
		mm	1148X315X236	1148X315X236
	Dimension of Package (LXWXH)	Inch	47-5/8X15-3/8X12-3/8	47-5/8X15-3/8X12-3/8
		mm	1210X390X315	1210X390X315
	Net Weight	lb	32	32
		kg	14.5	14.5
	Gross Weight	lb	37.5	37.5
		kg	17	17
Outdoor Unit	Outdoor Unit Model		ABSCI4H4S18	ABSCI4H4S24
	Compressor		GMCC	GMCC

	Manufacturer			
	Compressor Model		ATM150D43UFZ	ATF235D22UMT
	Compressor Oil			
	Compressor Type		Rotary	Rotary
	Fan motor manufacturer		Broad-Ocean	Broad-Ocean
	Fan motor model		DG13Z2D-04	DG13Z2-21
	Fan Motor Power Input	W	60	61
	Fan Motor Speed (H/M/L)	RPM	840/650/500	1200/550/500
	Throttling Method		Capillary tube	Capillary tube
	Set Temperature Range	°F	61~86	61~86
		°C	16~30	16~30
	Ambient Temperature (Cooling)	°F	5~115	5~115
		°C	-15~46	-15~46
	Ambient Temperature (Heating)	°F	-4~75	-4~75
		°C	-20~24	-20~24
	Condenser Form		Aluminum fin-copper tube	Aluminum fin-copper tube
	Sound Pressure Level	dB(A)	55	58
	Dimension (WXHxD)	mm	860X650X310	885X795X366
		in	33-7/8X25-9/16X12-3/16	34-7/8X31-5/16X14-3/8
	Dimension of Package (L/W/H)	mm	995X730X445	1050X910X500
		in	39-3/16X28-3/4X17-1/2	41-11/32X35-13/16X19-11/16
	Net Weight	kg	45	56
		Lbs	99	123.5
	Gross Weight	kg	49	64
		Lbs	108	141
	Refrigerant		R410A	R410A
	Refrigerant Charge	grams	1550	1880
		oz	54.7	66.3
	Outer Diameter Liquid Pipe	mm	6.35	9.53
		in	¼	3/8
	Outer Diameter Gas Pipe	mm	9.53	15.88
		in	3/8	5/8

Note: The connection pipe applies metric diameter.

AHRI Certifications and SEER Rating

Indoor unit model	Outdoor unit model	AHRI Certification Reference Number	Rated Capacity (Btu/h)	SEER (Cooling) Btu/Wh	EER (Cooling) Btu/Wh	Heating Capacity (Btuh @ 47°F)	HSPF
ABSEM4H4S09	ABSCI4H4S09	10272489	9000	21.5	13.4	9500	10.5
ABSEM4H4S12	ABSCI4H4S12	10272491	12000	20.5	13.0	13000	10.8
ABSEM4H4S18	ABSCI4H4S18	10272493	18000	23.3	13.0	19000	11.6
ABSEM4H4S24	ABSCI4H4S24	10272495	24000	20.5	11.6	24200	11.8