



HEAT PUMP

Catalogue 2015



AMITIME ELECTRIC CO., LTD

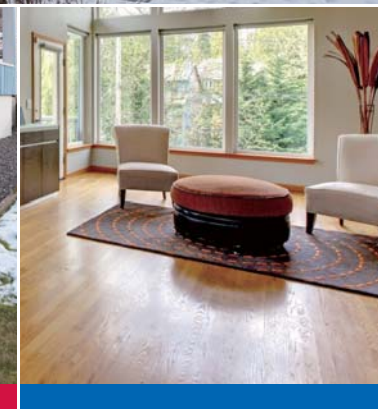
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Company Background

ZHONGSHAN AMITIME ELECTRIC CO., LTD. is a professional manufacturer and worldwide supplier of sophisticated heat pumps, fan coil units and a variety of other high tech and energy saving environmental control systems and products. We are proud to have become one of the world's leading manufacturers in our field, achieved by continually evolving our product lines with latest technologies available and ultra modern production and R&D facilities.

Our large production capacities and turnover allows us to meet the strong and ever growing worldwide demand for our products as one of the most desired in a wide variety of markets.

Our strong engineering and design team members, comprising of over 30 senior engineers have several hundred of years of combined high tech experience in their fields and continually enhance their knowledge to keep up with the latest technologies, by attending best of the professional conferences and seminars worldwide.

As one of the pioneer developers of the DC inverter controlled heat pump technologies, we have attained worldwide recognition for the utmost quality and dependability of our split and packaged type heat pumps, available in air to air, air to water, water to air and water to water versions. Our DC inverter systems are designed to operate with high dependability and performance in world's harshest environments, have been vigorously tested and approved in the deep Nordic Tundra, where most of other competing systems have miserably failed.

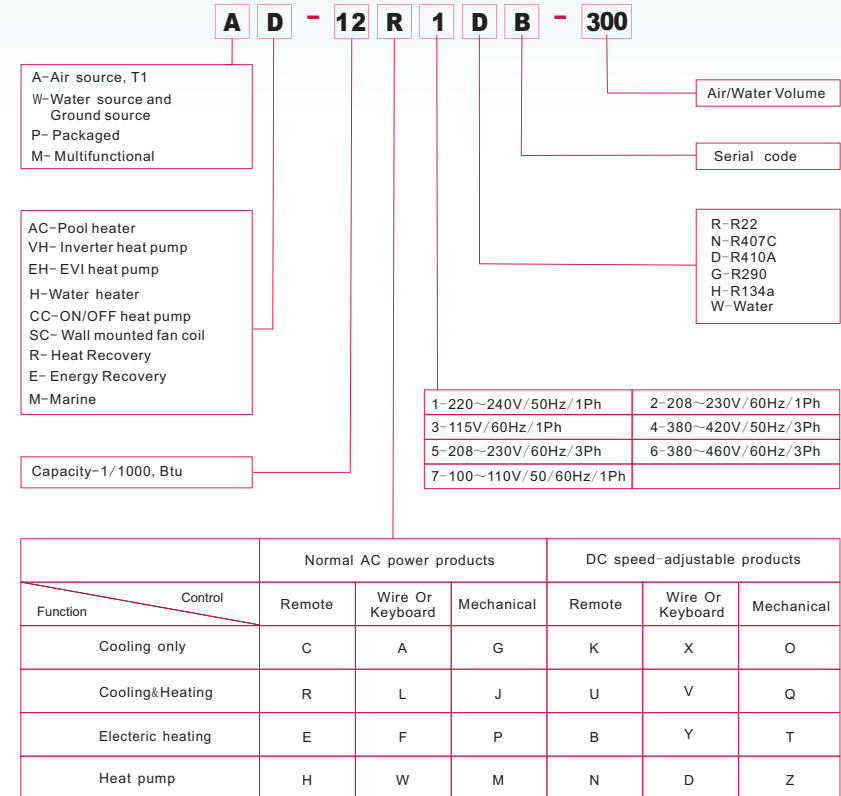
In addition to our heat pump units with heating or cooling functions through radiant/floor and forced air, our product line offers a broad range of sanitary water heaters, swimming pool heating, as well as solar heating. We also have a well deserved reputation as a manufacturer of top quality fan coil units, used for district cooling systems, providing dependable comfort throughout the Middle East and beyond.

Our hard earned reputation in quality and dependability is our highest valued asset. AMITIME has one of the stringent control mechanisms in place for its manufacturing processes and product quality. It has successfully obtained most of the world well known certificates, including CE, CB, RoHs, SASO, CCC, etc., for its products and ISO9001 approvals for the production management.

We value the customer. We continually strive to meet the customer's demands and listen to the ideas provided to us through our distributors and dealers. These ideas from the market are always incorporated into our products for user satisfaction, ease in installation and after-service, as well as developing totally new or enhanced products.

AMITIME is determined to keep on its endeavor and commitment in technology progression and product improvement, by working together with its worldwide partners in its task of offering solutions in environmental technologies with highest innovation, dependability, quality and energy efficiency. Please contact us and discover our abilities and products. We are looking forward to welcoming you as a new member of our family of worldwide dedicated distributors.

Model Description



DC Inverter Air to Water Heat Pump

--heatECO - Split

heatECO - Split



AVH-12V1DD:
 Indoor Unit
 Dimension (mm): 450*195*570
 Weight (KG): 22
 Inbuilt Electric Heater (kW): 3kW

Outdoor Unit:
 Dimension (mm): 780*255*590
 Weight (KG): 33

Refrigerant Connection Size: 1/4"~1/2"

AVH-12V1DD



AVH-24V1DD:
 Indoor Unit
 Dimension (mm): 450*195*570
 Weight (KG): 26.5
 Inbuilt Electric Heater (kW): 2kW

Outdoor Unit:
 Dimension (mm): 830*310*700
 Weight (KG): 48

Refrigerant Connection Size: 3/8"~1/2"

AVH-24V1DD

● Technical Data

Model		AVH-12V1D*	AVH-24V1D*	
Power Supply	V/Hz/Ph	220-240/50/1		
Refrigerant		R410A		
Max. Heating Capacity ⁽¹⁾	kW	5.14	10.10	
C.O.P ⁽¹⁾	W/W	3.54	3.72	
Heating Capacity Min./Max. ⁽¹⁾	kW	2.17/5.14	4.33/10.10	
Heating Power Input Min./Max. ⁽¹⁾	kW	0.58/1.45	1.17/2.71	
C.O.P Min./Max. ⁽¹⁾	W/W	3.42/3.72	3.74/4.21	
Max. Heating Capacity ⁽²⁾	kW	4.26	9.53	
C.O.P ⁽²⁾	W/W	2.69	2.92	
Heating Capacity Min./Max. ⁽²⁾	kW	1.97/4.26	4.19/9.53	
Heating Power Input Min./Max. ⁽²⁾	kW	0.66/1.59	1.42/3.19	
C.O.P Min./Max. ⁽²⁾	W/W	2.10/3.20	2.77/3.30	
Max. Cooling Capacity ⁽³⁾	kW	4.00	6.30	
E.E.R ⁽³⁾	W/W	3.10	2.01	
Cooling Capacity Min./Max. ⁽³⁾	kW	1.25/4.0	2.61/6.33	
Cooling Power Input Min./Max. ⁽³⁾	kW	0.65/1.70	1.43/3.48	
E.E.R Min./Max. ⁽³⁾	W/W	2.0/3.13	1.97/2.88	
Max. Cooling Capacity ⁽⁴⁾	kW	3.64	5.05	
E.E.R ⁽⁴⁾	W/W	2.82	1.73	
Cooling Capacity Min./Max. ⁽⁴⁾	kW	1.14/3.64	2.34/5.05	
Cooling Power Input Min./Max. ⁽⁴⁾	kW	0.67/1.29	1.30/3.20	
E.E.R Min./Max. ⁽⁴⁾	W/W	1.59/2.88	1.73/2.11	
Circuit Max. Pressure	bar	38	38	
Compressor	Type	Inverter Rotary	Twin Rotary	
	Quantity/System	1	1	
Fan	Quantity	1	1	
	Airflow	m ³ /h	1750	3000
	Rated power	W	85	160
	Face area	m ²	0.395	0.705
Air Side Heat Exchanger	Row-Fins/Inch	2 Rows-14	2 Rows-14	
	Tube Dia.	3/8 O.D.	3/8 O.D.	
Noise Level	Indoor/Outdoor	dB(A)		
		35/46	35/56	
Water Side Heat Exchanger	Type	Tube in Shell Heat Exchanger		
	Water Pressure Drop	kPa	30	40
	Piping Connection	Inch	G3/4"	G3/4"
	Min. Water Flow	L/S	0.13	0.24
Allowable Water Flow	Rated Water Flow	L/S	0.23	0.395
	Max. Water Flow	L/S	0.28	0.48

Note: (1) Heating condition: Water inlet/outlet temperature: 30°C/35°C, Ambient temperature: DB 7°C/WB 6°C;

(2) Heating condition: Water inlet/outlet temperature: 40°C/45°C, Ambient temperature: DB 7°C/WB 6°C;

(3) Cooling condition: Water inlet/outlet temperature: 23°C/18°C, Ambient temperature: 35°C;

(4) Cooling condition: Water inlet/outlet temperature: 12°C/7°C, Ambient temperature: 35°C.

(5) The specifications are subject to change without prior notice. For actual specifications of unit, please refer to the stickers on the unit.

(6) Performance tested as per EN14511-2007.

DC Inverter Air to Water Heat Pump

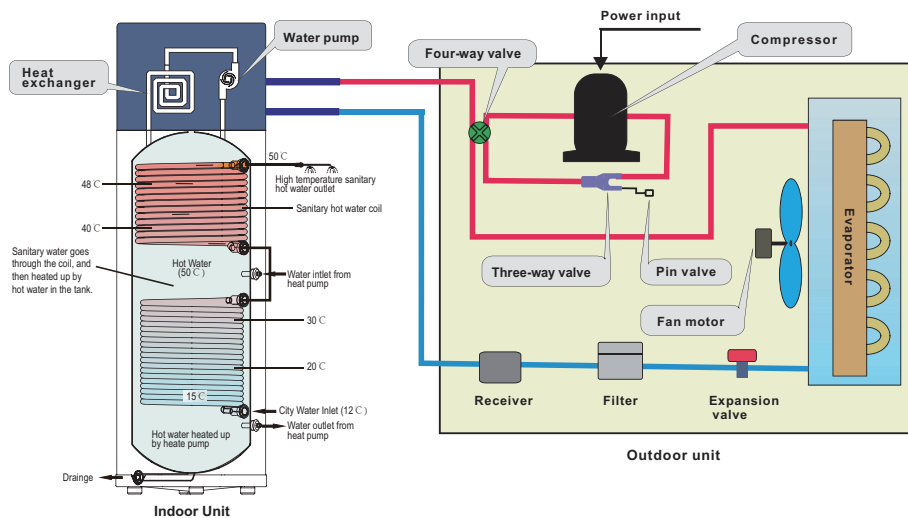
--heatECO - Split

Split DC Inverter Air to Water Heat Pump With Water Tank



- High efficiency DC inverter compressor of famous brand
- With compressor crankcase heater and bottom plate heater
- EEV (Electronic Expansion Valve) optimize the refrigerant flow
- 2 kW electric heater for sanitary water
- Control panel in front
- Water outlet for both floor and radiator heating
- 50 mm polyethylene foam insulation to reduce heat loss
- Wide working temperature range down to -25°C
- Water pump inside
- All connectors on top of water tank
- 200 liter accumulating water tank
- 30 meter stainless steel shower water coil
- 6 kW backup heater for house heating
- Class A circulation pump
- For sanitary hot water and house heating hot water

- This heat pump unit absorbs energy from outdoor air, and transfer this energy to water, to get high temperature hot water for sanitary and house heating purpose with less energy consumption.



• Technical Data

Model		PAVH-12D1DB-200L	PAVH-30D1DB-200L
Refrigerant		R410A	R410A
Power Supply	V/Hz/Ph	220-240/50/1	220-240/50/1
Max. Heating Capacity ⁽¹⁾	kW	5.14	11.50
C.O.P ⁽¹⁾	W/W	3.54	3.79
Heating Capacity Min./Max. ⁽¹⁾	kW	2.17/5.14	4.67/11.5
Heating Power Input Min./Max. ⁽¹⁾	kW	0.58/1.45	0.92/3.03
C.O.P Min./Max. ⁽¹⁾	W/W	3.42/3.72	3.82/5.05
Max. Heating Capacity ⁽²⁾	kW	4.26	10.70
C.O.P ⁽²⁾	W/W	2.69	2.95
Heating Capacity Min./Max. ⁽²⁾	kW	1.97/4.26	4.14/10.70
Heating Power Input Min./Max. ⁽²⁾	kW	0.66/1.59	1.22/3.62
C.O.P Min./Max. ⁽²⁾	W/W	2.10/3.20	2.95/3.56
Max. Cooling Capacity ⁽³⁾	kW	4.00	8.40
E.E.R ⁽³⁾	W/W	3.10	2.71
Cooling Capacity Min./Max. ⁽³⁾	kW	1.25/4.00	2.39/8.40
Cooling Power Input Min./Max. ⁽³⁾	kW	0.65/1.70	0.99/3.40
E.E.R Min./Max. ⁽³⁾	W/W	2.00/3.13	2.68/3.30
Max. Cooling Capacity ⁽⁴⁾	kW	3.64	6.74
E.E.R ⁽⁴⁾	W/W	2.82	2.17
Cooling Capacity Min./Max. ⁽⁴⁾	kW	1.14/3.64	2.17/6.74
Cooling Power Input Min./Max. ⁽⁴⁾	kW	0.67/1.29	0.92/3.13
E.E.R Min./Max. ⁽⁴⁾	W/W	1.59/2.88	2.15/3.00
Circuit Max. Pressure	bar	38	38
Compressor	Type	Inverter Rotary	Twin Rotary
	Quantity/System	1	1
	Quantity	1	1
Fan	Airflow	1750	3200
	Rated power	85	160
Air Side Heat Exchanger	Heat Exchanger Type	Inner grooved copper tube with hydrophilic aluminum coil	Inner grooved copper tube with hydrophilic aluminum coil
	Tube Dia.	3/8"	3/8"
Water Side Heat Exchanger	Type	Tube-in-tube	Plate Heat Exchanger
	Water Pressure Drop	Kpa	30
	Piping Connection	Inch	G3/4"
Water Pump	Max Water Head	m	6
Noise Level	Outdoor	dB(A)	46
	Indoor		35
Water Volume	L	200	200
Range of setting temperature**	°C	30-52-75**	30-52-75**
Hot water capacity*	Kg/h	120	300
Range of working temperature	°C	-25~-45	-25~-45
Water pipe connection	inch	G3/4"	G3/4"
Max. Pressure of Water	Mpa	0.7	0.7
Inbuilt Electric Heater	kW	2(220-240V/50Hz/1PH)	2(220-240V/50Hz/1PH)
Control of 2kW electric heater		Manual	Manual
Control of 6kW electric heater		6(400V/50Hz/3PH)	6(400V/50Hz/3PH)
Refrigerant pipe connection	inch	1/4" , 1/2"	3/8" , 1/2"
Net Dimension(L×D×H)	Outdoor Unit	mm	780 × 255 × 590
	Indoor Unit	mm	1044 × 414 × 763
Packing Dimension(L×D×H)	Outdoor Unit	mm	600 × 600 × 1552
	Indoor Unit	mm	920 × 340 × 600
	Indoor Unit	mm	1144 × 490 × 805
	Indoor Unit	mm	640 × 655 × 2057
Net Weight	Outdoor	Kg	33
	Indoor Unit	Kg	120.3
Shipping Weight	Outdoor	Kg	36
	Indoor Unit	Kg	135.3

- Note: (1) Heating condition: Water inlet/outlet temperature: 30°C/35°C, Ambient temperature: DB 7°C/WB 6°C;
 (2) Heating condition: Water inlet/outlet temperature: 40°C/45°C, Ambient temperature: DB 7°C/WB 6°C;
 (3) Cooling condition: Water inlet/outlet temperature: 23°C/18°C, Ambient temperature: 35°C;
 (4) Cooling condition: Water inlet/outlet temperature: 12°C/7°C, Ambient temperature: 35°C;
 (5) Marked with "*" means: Hot water capacity is based on testing condition: DB/WB 20°C/15°C, target water temperature 50°C.
 (6) Marked with "**" means: water temperature can reach 52°C by heat pump, and reach 75°C by using electric heater simultaneously.
 (7) The specifications are subject to change without prior notice. For actual specifications of unit, please refer to the stickers on the unit.
 (8) Performance tested as per EN14511-2007.

Water Tank

Cubic Water tank

Amitime offers cubic multi-functional water tank made by cubic-forming technology. All water connectors are located on top of the tank and covered by a decorative panel.



● Technical Data

Model	MWT-200D	
Maximum pressure	bar	10
Pressure release valve	bar	2.5
Power supply	220V/1PH/50HZ/10A	
Water volume	L	200
Inside shell material	304 stainless steel	
Outside shell material	Pre-painted steel	
Insulation material	Polyurethane injection foam	
Insulation thickness	mm	50
Hot water coil material	304 stainless steel	
Hot water coil diameter	mm	22
Hot water coil length	m	40
Water temperature setting range	℃	30-75
Max. water temperature	℃	90
Water connector size	Inch	G3/4"
Electric heater	KW	2
Electrical heater R50 socket	Piece	1
Net dimension (with decoration panel on top)	mm	520*520*1830
Estimated Net weight	Kg	95

The specifications are subject to change without prior notice. For actual specifications of unit, please refer to the stickers on the unit.

Hydronic Fan Coil Unit

Wall Mounted Hydronic Fan Coil Unit



● Technical Data

Model	SC-12YB		SC-18YB	
Coil data	Tube diameter	mm	7	7
	Rows/fin		2R/17fin	2R/17fin
	Fin height/length	mm	315x610	310x796
	Face area	m ²	0.092	0.25
Motor data	Power Output	W	15	35
		H	1150	1300
Fan data	Fan Speed	M	1000	1100
		L	800	1000
Air Flow at High Speed		m ³ /h	650(cooling),750(heating)	1100(cooling),1150(heating)
Power Supply			220-240V/50,60Hz/1PH	
Power Input	W		35	72
Noise Level at high speed	dB(A)		35	37
Pipe Connector Size			G3/8	G1/2
Drain Connection--(O.D)	mm		13	16
Net Dimension (L×D×H)	mm		890×280×210	1020×315×210
Packaging Dimension (L×D×H)	mm		950×345×260	1070×377×262
Net Weight	Kg		12	15

Output Under Different Water Temperature

Fan Speed	Working Mode	Water Inlet Temp (°C)	SC-12YB Capacity (W)	SC-12YB Capacity (W)	SC-18YB Capacity (W)
			0.062/30	0.076/40	0.13/40
			Water Flow Rate(L/S)/Water Pressure Drop(Kpa)		
High Speed	Cooling	5	1670	2025	3660
		7	1390	1785	3375
		9	1130	1510	2685
	Heating	60	4640	5160	7365
		50	3710	4000	5775
		45	3260	3440	4830
Medium Speed	Cooling	5	1545	2010	3455
		7	1375	1730	3225
		9	1120	1470	2530
	Heating	60	4600	5020	7220
		50	3660	3920	5625
		45	3160	3340	4575
Low Speed	Cooling	5	1530	1990	3420
		7	1365	1685	3035
		9	1112	1460	2510
	Heating	60	4490	4890	6710
		50	3540	3870	5225
		45	3100	3100	4390

Note: (1) Capacity Test Condition for cooling: room temperature is DB/WB 27/19 °C.
Capacity Test Condition for heating: room temperature is DB/WB 20/°C.

(2)The specifications are subject to change without prior notice. For actual specifications of unit, please refer to the stickers on the unit.

Hydronic Fan Coil Unit

BM Fan Coil Unit



1 Famous Brand Motorized Valve



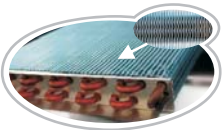
2 Slim Design Only 130 mm Thick



3 Touch Operation Panel



4 Coil with Hydrophilic Aluminum Fin



5 Balanced Cross Fan Blower



6 Easy Access to Air Filter



7 Speed Variable DC Motor



8 Remote Control Optional



Technical Data

Model		BM150	BM350	BM450	BM550
(a) Total Cooling Capacity	kW	0.75	1.50	2.20	3.10
Sensible Cooling Capacity	kW	0.61	1.25	1.90	2.60
Water Flow Rate	l/h	142	302	453	573
Water Pressure Drops	kPa	7.00	9.00	22.00	28.00
(b) Heating Capacity	kW	0.99	2.00	2.80	4.20
Water Flow Rate	l/h	142	302	453	573
Water Pressure Drops	kPa	6.50	7.00	18.50	24.50
(c) Heating Capacity	kW	1.55	3.10	4.60	6.30
Water Flow Rate	l/h	162	343	471	600
Water Pressure Drops	kPa	7.00	7.50	19.00	25.00
Coil Water Content	l	0.48	0.85	1.15	1.48
Maximum Operating Pressure	bar	10	10	10	10
Water Pipe Connector	inches	G1/2	G1/2	G1/2	G1/2
(d) Maximum Air Flow	m3/h	160	320	460	580
(d) Minimum Air Flow	m3/h	50	150	200	300
Power Supply	V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50
Maximum Running Current	A	0.12	0.16	0.21	0.24
Maximum Power Input	W	14	23	27	33
(e) Maximum Noise	dB(A)	39	40	42	42.1
(e) Minimum Noise	dB(A)	19.8	18.3	19.1	21
Length	mm	694	894	1094	1294
Height(without feet)	mm	580	580	580	580
Depth	mm	129	129	129	129
Net Weight	kg	16	22	28	34
Gross Weight	kg	18	24	30	36

Note: (a) Cooling: Water inlet/outlet 7/12°C; Room temperature DB/WB 27/19°C.

(b) Heating: Water inlet 50°C, water flow rate as in cooling operation; Room temperature 20°C.

(c) Heating: Water inlet 70°C, outlet 60°C; Room temperature 20°C.

(d) Air flow measured with clean filter.

(e) Sound pressure level tested as per EN12102:2008 and ISO3745:2012, and certified by Intertek.

(f) The specifications are subject to change without prior notice. For actual specifications of unit, please refer to the stickers on the unit.

Hydronic Fan Coil Unit

BM Fan Coil Unit

Output Under Different Water Temperature

Fan Speed	Working Mode	Water Inlet Temp (°C)	BM150 Capacity (W)	BM350 Capacity (W)	BM450 Capacity (W)	BM550 Capacity (W)
High Speed	Cooling	7	748	1496	2154	3120
		12	480	960	1412	2066
	Heating	35	552	1104	1558	2103
		38	611	1222	1737	2426
		40	680	1360	1936	2939
		43	756	1511	2102	3045
		45	834	1668	2390	3419
		48	932	1864	2631	3894
		50	994	1987	2837	4227
		53	1072	2145	3138	4467
		55	1120	2240	3539	4778
		58	1193	2387	3789	4991
		60	1284	2567	3860	5414
		63	1337	2674	4175	5705
65	1394	2787	4289	5744		
68	1459	2917	4547	5968		
70	1553	3106	4629	6335		

Output Under Different Water Temperature

Fan Speed	Working Mode	Water Inlet Temp (°C)	BM150 Capacity (W)	BM350 Capacity (W)	BM450 Capacity (W)	BM550 Capacity (W)
Medium Speed	Cooling	7	684	1368	2005	2927
		12	384	767	1116	1907
	Heating	35	496	992	1343	1899
		38	588	1175	1518	2246
		40	624	1248	1825	2658
		43	735	1470	1976	2759
		45	806	1612	2232	3365
		48	898	1795	2523	3629
		50	936	1871	2678	3667
		53	993	1986	3065	4202
		55	1028	2056	3322	4455
		58	1131	2261	3499	4526
		60	1169	2337	3666	5059
		63	1218	2437	3806	5331
65	1305	2611	3951	5444		
68	1359	2718	4134	5704		
70	1456	2913	4336	6335		

Output Under Different Water Temperature

Fan Speed	Working Mode	Water Inlet Temp (°C)	BM150 Capacity (W)	BM350 Capacity (W)	BM450 Capacity (W)	BM550 Capacity (W)
Low Speed	Cooling	7	574	1148	1834	2536
		12	376	752	1058	1590
	Heating	35	378	756	1166	1636
		38	473	947	1273	2049
		40	553	1106	1514	2290
		43	604	1208	1665	2405
		45	665	1330	1911	2886
		48	722	1443	2163	3040
		50	765	1531	2247	3131
		53	813	1627	2604	3616
		55	868	1736	2818	3843
		58	965	1931	2948	4029
		60	1011	2022	3279	4322
		63	1046	2091	3401	4391
65	1089	2179	3492	4583		
68	1193	2385	3564	4830		
70	1229	2457	3681	4985		

Output Under Different Water Temperature

Fan Speed	Working Mode	Water Inlet Temp (°C)	BM150 Capacity (W)	BM350 Capacity (W)	BM450 Capacity (W)	BM550 Capacity (W)
Super Low Speed	Cooling	7	N/A	N/A	N/A	N/A
		12	N/A	N/A	N/A	N/A
	Heating	35	366	732	1060	1535
		38	405	810	1231	1761
		40	494	989	1474	2047
		43	556	1113	1566	2203
		45	571	1142	1682	2635
		48	662	1323	1861	2807
		50	692	1384	2036	2822
		53	729	1459	2337	3237
		55	754	1509	2468	3485
		58	844	1687	2641	3816
		60	857	1715	2906	3912
		63	932	1865	2987	3965
65	968	1936	3021	4089		
68	1017	2033	3090	4387		
70	1089	2178	3360	4555		

Split-type Air Conditioner Unit



Split-type Air Conditioner Unit



Technical Data

Split-type Inverter			
Parameter	Unit	Value	
Model	--	AS-12V1DA	
Power Supply	V~	220-240V/50Hz/1Ph	
Cooling Capacity	W	3500	
Cooling Capacity	Btu/h	12000	
Min./Max. Cooling Capacity	W	700/4500	
Min./Max. Cooling Capacity	Btu/h	2390/15360	
Cooling Power Input	W	900	
Min./Max. Cooling Power Input	W	182/1450	
Pdesignc	kW	3.50	
Heating Capacity	W	3650	
Heating Capacity	Btu/h	12460	
Min./Max. Heating Capacity	W	720/5500	
Min./Max. Heating Capacity	Btu/h	2460/18780	
Heating Power Input	W	895	
Min./Max. Heating Power Input	W	190/1700	
Pdesignh(Average)	kW	3.80	
Pdesignh(Colder)	kW	5.40	
EER	W/W	3.89	
EER	(Btu/h)/w	13.33	
COP	W/W	4.08	
COP	(Btu/h)/w	13.92	
SEER	--	7.00	
SEER	--	4.60	
SCOP(Average)	--	2.80	
SCOP(Colder)	--	2.80	
Energy Class	--	A++/A++	
Air Flow Volume	m ³ /h	770/670/610/530/460/410/380	
Dehumidifying Volume	L/h	1.40	
Application Area	m ²	16-24	
Indoor Unit	Set Temperature Range	°C	16~30
	Sound Pressure Level	dB (A)	43/36/34/32/28/24/22
	Sound Power Level	dB (A)	59/51/49/47/43/39/37
	Net Dimension (W×H×D)	mm	866×292×206
	Packing Dimension(L×W×H)	mm	942×374×282
	Stacked Layers	--	7
	Net Weight	kg	11.0
Gross Weight	kg	14.0	
Outdoor Unit	Compressor Trademark	--	SANYO
	Compressor Model	--	C-6RZ110H1A
	Compressor Type	--	Rotary
	Cooling Operation Ambient	°C	-15~48
	Heating Operation Ambient	°C	-20~30
	Throttling Method	--	Electron expansion
	Defrosting Method	--	Automatic Defrosting
	Sound Pressure Level	dB (A)	50/ /
	Sound Power Level	dB (A)	63/ /
	Net Dimension (W×H×D)	mm	899×596×378
Packing Dimension(L×W×H)	mm	945×417×630	
Stacked Layers	--	4	
Net Weight	kg	43.0	
Gross Weight	kg	47.0	
Refrigerant	--	R410A	
Refrigerant Charge	kg	1.30	
Length	m	5	
Gas Additional Charge	g/m	20	
Outer Diameter of Liquid	inch	1/4"	
Outer Diameter of Gas	inch	3/8"	
Max Distance Height	m	10	
Max Distance Length	m	20	
Loading Quantity	unit	80	
Loading Quantity	unit	166	
Loading Quantity	unit	186	

Technical Data

Split-type Inverter				
Parameter	Unit	Value		
Model	--	AS-12V1DB		
Power Supply	V~	220-240V/50Hz/1Ph		
Cooling Capacity	W	3500		
Cooling Capacity	Btu/h	11942		
Min./Max. Cooling Capacity	W	900/4000		
Min./Max. Cooling Capacity	Btu/h	3070.8/13648		
Cooling Power Input	W	980		
Min./Max. Cooling Power Input	W	100/1450		
Pdesignc	kW	3.50		
Heating Capacity	W	3650		
Heating Capacity	Btu/h	12453.8		
Min./Max. Heating Capacity	W	900/4200		
Min./Max. Heating Capacity	Btu/h	3070.8/14330.4		
Heating Power Input	W	920		
Min./Max. Heating Power Input	W	150/1700		
Pdesignh(Average)	kW	3.50		
Pdesignh(Warmer)	kW	/		
Pdesignh(Colder)	kW	4.80		
EER	W/W	3.57		
EER	(Btu/h)/w	12.19		
COP	W/W	3.97		
COP	(Btu/h)/w	13.54		
SEER	--	6.60		
SEER	--	4.00		
SCOP(Average)	--	4.00		
SCOP(Colder)	--	2.60		
Energy Class	--	A++/A++		
Air Flow Volume	m ³ /h	600/500/-/400/-/300/-		
Dehumidifying Volume	L/h	1.40		
Application Area	m ²	16-24		
Indoor Unit	Set Temperature Range	°C	16~30	
	Sound Pressure Level	dB (A)	42/35/-/31/-/26/-	
	Sound Power Level	dB (A)	55/51/-/46/-/37/-	
	Net Dimension (W×H×D)	mm	845×275×180	
	Packing Dimension(L×W×H)	mm	923×284×356	
	Stacked Layers	--	7	
	Net Weight	kg	10	
	Gross Weight	kg	12	
	Outdoor Unit	Compressor Trademark	--	SANYO
		Compressor Model	--	C-6RZ110H1A
Compressor Type		--	Rotary	
Cooling Operation Ambient		°C	-15~43	
Heating Operation Ambient		°C	-20~24	
Throttling Method		--	Electron expansion	
Defrosting Method		--	Automatic Defrosting	
Sound Pressure Level		dB (A)	50/-/	
Sound Power Level		dB (A)	63/-/	
Net Dimension (W×H×D)		mm	899×596×378	
Packing Dimension(L×W×H)	mm	945×417×630		
Stacked Layers	--	4		
Net Weight	kg	43		
Gross Weight	kg	47		
Refrigerant	--	R410A		
Refrigerant Charge	kg	1.3		
Length	m	5		
Gas Additional Charge	g/m	20		
Outer Diameter of Liquid	inch	1/4"		
Outer Diameter of Gas	inch	3/8"		
Max Distance Height	m	10		
Max Distance Length	m	20		
Loading Quantity	unit	84		
Loading Quantity	unit	174		
Loading Quantity	unit	198		