



## Technical Specifications

Split-type Air Conditioner

Sr No	Parameter	Unit	12000	18000	24000
1	Model	--	CLAC12IR32	CLAC12IR32	CLAC24IR32
2	Product Code	--	Q5AA0Z00177/Q5AA0Z00379	Q5AA0Z00178	Q5AA0Z00383
3	Power Supply	Rated Voltage	V~	220-240	220-240
4		Rated Frequency	Hz	50	50
5		Phases	--	1	1
6		Power Supply Mode	--	outdoor	outdoor
7	Cooling(Standard conditions)	Capacity	Btu/h	11942	17981
8		Capacity	W	3500	5270
9		Input	W	1000	1400
10		Current	A	4.4	6.2
11	heating(Standard conditions)	Capacity	Btu/h	12624.4	18766
12		Capacity	W	3700	5500
13		Input	W	1120	1600
14		Current	A	5.0	7.1
15	Seasonal Cooling	Pdesignc	kW	3.5	5.1
16		SEER	W/W	6.1	6.1
17		Energy Efficiency Class		A++	A++
18	Heating(Average )	Pdesignh	kW	2.3	4.1
19		SCOP	W/W	4.0	4.0
20		Energy Efficiency Class		A+	A+
21		Tbiv	°C	-7	-7
22	Min. Cooling Capacity	W	600	900	1300
23	Max. Cooling Capacity	W	3800	6600	6950
24	Min. Heating Capacity	W	750	1000	1400
25	Max. Heating Capacity	W	4100	6700	7800
26	Min. Cooling Power Input	W	160	300	360
27	Max. Cooling Power Input	W	1560	2250	2540
28	Min. Heating Power Input	W	120	330	380
29	Max. Heating Power Input	W	1650	2500	3600
30	Cross-sectional Area of Power Cable Conductor	mm <sup>2</sup>	1	2.5	2.5
31	Recommended Power Cable(Core)	--	3	3	3
32	Min/Max. Voltage	V	198/264	198/264	198/264
33	Rated Input	W	1650	2500	2540
34	Rated Current	A	7.3	11.1	11.3
35	Air Flow Volume	m <sup>3</sup> /h	550/470/250/180	850/720/610/520	1200/1150/900/750
36	Dehumidifying Volume	L/h	1.4	1.8	2.4
37	Application Area	m <sup>2</sup>	16-24	25-36	32-50
38	Indoor Unit	Indoor Unit Model	--	SMVH12B-2B2A3NM(I)	SMVH18B-4B2A3NM(I)
39		Fan Type	--	Cross-flow	Cross-flow
40		Fan Diameter Length(D×L)	mm	φ97.5×579	Φ106×706
41		Cooling Speed	r/min	1350/1200/800/650	1230/1130/900/800
42		Heating Speed	r/min	1350/1200/900/850	1350/1200/900/850
43		Fan Motor Power Output	W	18	40
44		Fan Motor RLA	A	0.2	0.36
45		Evaporator Form	--	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
46		Evaporator Pipe Diameter	mm	φ5	φ7
47		Evaporator Row-fin Gap	mm	2-1.4	2-1.4
48		Evaporator Coil Length (L×D×W)	mm	575×22.8×266.7	715×25.4×304.8
49		Swing Motor Model	--	24BJ-A1	35BJ-A1
50		Swing Motor Power Output	W	1.5	2.5
51		Set Temperature Range	°C	16~31	16~31

52		Sound Pressure Level	dB (A)	41/37/25/20	44/40/37/34	53/51/40/35
53		Dimension (W×H×D)	mm	792x279x195	972x302x224	1081x327x248
54		Dimension of Carton Box (W×H×D)	mm	870x343x270	1050x368x295	1158x408x335
55		Dimension of Package(W×H×D)	mm	876x349x276	1056x374x301	1164x411x347
56		Stacked Layers	--	7	7	7
57		Net Weight	kg	9	13	16
58		Gross Weight	kg	11	15.5	19
59	Outdoor Unit	Outdoor Unit Model	--	SMVH12B-2B2A3NM(O)	SMVH18B-4B2A3NM(O)	SMVH24B-5A2A3NN(O)
60		Compressor Trademark		GMCC	GMCC	GMCC
61		Compressor Manufacturer	--	ZheJiang GMCC Compressor Appliances Co., Ltd	ZheJiang GMCC Compressor Appliances Co., Ltd	ZheJiang GMCC Compressor Appliances Co., Ltd
62		Compressor Model	--	KSK103D33UEZ3	KSN140D33UFZ3	KTN210D61UFUC3
63		Compressor Oil	--	ESTER OIL VG74	ESTER OIL VG74	ESTER OIL VG74
64		Compressor Type	--	Rotary	Rotary	Rotary
65		Compressor LRA	A	5.65	8	8.3
66		Compressor Power Input	W	830	1200	1820
67		Fan Type	--	Axial-flow	Axial-flow	Axial-flow
68		Fan Diameter	mm	Φ405	Φ455	522
69		Fan Motor Speed	rpm	880	880	800
70		Fan Motor Power Output	W	30	55	60
71		Fan Motor RLA	A	0.4	0.47	0.67
72		Outdoor Unit Air Flow Volume	m <sup>3</sup> /h	1800	2800	3300
73		Condenser Form	--	Aluminum Fin-copper Tube	Alumium Tube	Aluminum Fin-copper Tube
74		Condenser Pipe Diameter	mm	φ7.94	φ7	φ7
75		Condenser Rows-fin Gap	mm	1-1.3	2-1.4	2-1.4
76		Condenser Coil Length (L×D×W)	mm	731×19.05×506	878×38.1×572	878×38.1×660
77		Permissible Excessive Operating Pressure for the Discharge Side	MPa	4.3	4.3	4.3
78		Permissible Excessive Operating Pressure for the Suction Side	MPa	2.5	2.5	2.5
79		Maximum Allowable Pressure	MPa	4.3	4.3	4.3
80		Cooling Operation Ambient Temperature Range	℃	-15~43	-15~43	-15~43
81		Heating Operation Ambient Temperature Range	℃	-20~24	-20~24	-20~24
82		Throttling Method	--	Capillary	Capillary	Capillary
83		Defrosting Method	--	Intelligent	Intelligent	Automatic Defrosting
84		Climate Type	--	T1	T1	T1
85		Climate Zone	--	Temperate Zone	Temperate Zone	Temperate Zone
86		Isolation	--	I	I	I
87		Moisture Protection	--	IPX4	IPX4	IPX4
88		Sound Pressure Level	dB (A)	53	55	59
89		Sound Power Level	dB (A)	62	64	68
90		Dimension (W×H×D)	mm	830x540x325	890x598x372	960x700x396
91		Dimension of Carton Box (W×H×D)	mm	866x581x352	930x643x400	1000x443x738
92		Dimension of Package(W×H×D)	mm	872x585x358	936x647x406	1006x743x449
93	Stacked Layers	--	5	4	4	
94	Net Weight	kg	27.5	36.5	44.5	
95	Gross Weight	kg	30	39.5	47	
96	Refrigerant	--	R32	R32	R32	
97	Refrigerant Charge	kg	0.6	0.98	1.05	
98	Connection Pipe	Length	m	5	5	5
99		Gas Additional Charge	g/m	20	20	15
100		Outer Diameter of Liquid Pipe(Skyworth Allocation)(Metric)	mm	φ6	φ6	φ6
101		Outer Diameter of Liquid Pipe(British System Allocation)	inch	1/4"	1/4"	1/4"
102		Outer Diameter of Gas Pipe(Skyworth Allocation)(Metric)	mm	φ9.52	φ12	φ16
103		Outer Diameter of Gas Pipe(British System Allocation)	inch	3/8"	1/2"	5/8"
104		Max Distance Height	m	10	10	10
105		Max Distance Length	m	20	25	25

112	Loading Quantity	Loading Quantity ( 20' Container )	unit	108	76	55
113		Loading Quantity ( 40' Container )	unit	225	158	114
114		Loading Quantity ( 40' High Cube Container )	unit	264	186	134