SKYWORTH

Technical Specifications

Split-type Inverter Air Conditioner

Sr No	Parameter		Unit	SANYO compressor
1	Model		--	SMVH12B-2A2A3NH
2	Product Code		--	SAC-12K.1121.1(01156-TC)
3	Power Supply	Rated Voltage	V～	220-240
4		Rated Frequency	Hz	50
5		Phases	--	1
6	Power Supply Mode		--	outdoor
7	Cross-sectional Area of Power Cable Conductor		mm^2	1
8	Recommended Power Cable(Core)		--	3
9	Min/Max. Voltage		V	198/264
10	Cooling Capacity		W	3400
11	Cooling Capacity		Btu/h	
12	Min. Cooling Capacity		W	1300
13	Min. Cooling Capacity		Btu/h	
14	Max. Cooling Capacity		W	3900
15	Max. Cooling Capacity		Btu/h	
16	Pdesignc		KW	3,4
17	Heating Capacity		W	3600
18	Heating Capacity		Btu/h	
19	Min. Heating Capacity		W	800
20	Min. Heating Capacity		Btu/h	
21	Max. Heating Capacity		W	4200
22	Max. Heating Capacity		Btu/h	
23	Pdesignh(Average)		KW	3,0
24	Pdesignh(Warmer)		KW	3,6
25	Pdesignh(Colder)		KW	2,9
26	Cooling Power Input		W	1020
27	Min. Cooling Power Input		W	90
28	Max. Cooling Power Input		W	1560
29	Heating Power Input		W	995
30	Min. Heating Power Input		W	140
31	Max. Heating Power Input		W	1650
32	Cooling Current		A	4,5
33	Heating Current		A	4,4
34	Rated Input		W	1650
35	Rated Current		A	7,3
36	Max. Over Current Protection		A	/
37	Min. Current（MCA）		A	/
38	Starting Current		A	/
39	EER		W/W	3,33
40	EER		(Btu/h)/W	
41	COP		W/W	3,62
42	COP		(Btu/h)/W	
43	SEER		--	6,1
44	SCOP(Average)		--	4,0
45	SCOP(Warmer)		--	5,1
46	SCOP(Colder)		--	3,3
47	Energy Class		--	A++<Cooling>/A+<Average>
48	Air Flow Volume(SH/H/L/SL)		m^3/h	550/470/250/180
49	Air Flow Volume(SH/H/L/SL)		CFM	
50	Dehumidifying Volume		L/h	1.40
51	Dehumidifying Volume		PINT/D	

52	Application Area		m^2	16-24
53		**Indoor Unit Model**	**--**	**SMVH12B-2A2A3NH(I)**
54		Fan Type	--	Cross-flow
55		Fan Diameter Length(D×L)	mm	Φ97.5×579
56		Fan Diameter Length(D×L)	inch	
57		Cooling Speed(SH/H/L/SL)	r/min	1350/1200/800/650
58		Heating Speed(SH/H/L/SL)	r/min	1350/1200/900/850
59		Fan Motor Power Output	W	18
60		Fan Motor RLA	A	0,2
61		Fan Motor Capacitor	μF	1
62		Heater Power Input	W	/
63		Evaporator Form	--	Aluminum Fin-copper Tube
64		Evaporator Pipe Diameter	mm	φ5
65		Evaporator Pipe Diameter	inch	
66		Evaporator Row-fin Gap	mm	2-1.4
67		Evaporator Row-fin Gap	inch	
68		Evaporator Coil Length (L×D×W)	mm	584.4×22.8×266.7
69		Evaporator Coil Length (L×D×W)	inch	
70	**Indoor Unit**	Swing Motor Model	--	24BJ-A1
71		Swing Motor Power Output	W	1,5
72		Fuse Current	A	3.15
73		Set Temperature Range	℃	16~31
74		Set Temperature Range	℉	
75		Sound Pressure Level(SH/H/L/SL)	dB (A)	41/37/25/20
76		Sound Power Level(SH/H/L/SL)	dB (A)	55/40/37/31
77		Dimension (W×H×D)	mm	792x279x195
78		Dimension (W×H×D)	inch	
79		Dimension of Carton Box (W×H×D)	mm	868x280x349
80		Dimension of Carton Box (W×H×D)	inch	
81		Dimension of Package(W×H×D)	mm	871x290x352
82		Dimension of Package(W×H×D)	inch	
83		Stacked Layers	—	7
84		Net Weight	kg	9
85		Net Weight	lb	
86		Gross Weight	kg	11
87		Gross Weight	lb	
88		**Outdoor Unit Model**	**--**	**SMVH12B-2A2A3NH(O)**
89		Compressor Trademark		**CRSS (SANYO)**
90		Compressor Manufacturer	--	**ELECTROMECHANICAL(SHENYANG)SANYO REFRIGERATION EQUIPMENT CO.,LTD.**
91		Compressor Model	--	C-1RZ110H3AAF
92		Compressor Oil	--	FW50S
93		Compressor Type	--	Rotary
94		Compressor LRA.	A	25
95		Compressor RLA	A	3
96		Compressor Power Input	W	770
97		Compressor Overload Protector	--	--
98		Fan Type	--	Axial-flow
99		Fan Diameter	mm	405
100		Fan Diameter	inch	15,9
101		Fan Motor Speed	rpm	880
102		Fan Motor Power Output	W	30

103		Fan Motor RLA	A	0,27
104		Fan Motor Capacitor	μF	/
105		Outdoor Unit Air Flow Volume	m^3/h	1800
106		Condenser Form	--	Aluminum Fin-copper Tube
107		Condenser Pipe Diameter	mm	φ7
108		Condenser Pipe Diameter	inch	
109		Condenser Rows-fin Gap	mm	2-1.4
110		Condenser Rows-fin Gap	inch	
111		Condenser Coil Length (L×D×W)	mm	719×38.1×506
112		Condenser Coil Length (L×D×W)	inch	
113		Permissible Excessive Operating Pressure for the Discharge Side	MPa	4.3
114	**Outdoor Unit**	Permissible Excessive Operating Pressure for the Suction Side	MPa	2.5
115		Maximum Allowable Pressure	MPa	4.3
116		Cooling Operation Ambient Temperature Range	℃	-15~52
117		Cooling Operation Ambient Temperature Range	℉	
118		Heating Operation Ambient Temperature Range	℃	-15~24
119		Heating Operation Ambient Temperature Range	℉	
120		Throttling Method	--	Capillary
121		Defrosting Method	--	Automatic Defrosting
122		Climate Type	--	T1
123		Climate Zone	--	Temperate Zone
124		Isolation	--	I
125		Moisture Protection	--	IP24
126		Sound Pressure Level	dB (A)	53
127		Sound Power Level	dB (A)	62
128		Dimension (W×H×D)	mm	830X540X325
129		Dimension (W×H×D)	inch	
130		Dimension of Carton Box (W×H×D)	mm	876x585x363
131		Dimension of Carton Box (W×H×D)	inch	
132		Dimension of Package(W×H×D)	mm	879x605x366
133		Dimension of PackageW×H×D)	inch	
134		Stacked Layers	--	5
135		Net Weight	kg	29
136		Net Weight	lb	
137		Gross Weight	kg	31,5
138		Gross Weight	lb	
139		Refrigerant	--	R32
140		Refrigerant Charge	kg	0,7
141		Refrigerant Charge	oz	
142		Length	m	5
143		Length	ft	
144		Gas Additional Charge	g/m	20
145		Gas Additional Charge	oz/ft.	
146		Outer Diameter of Liquid Pipe(Skyworth Allocation)(Metric)	mm	φ6
147	**Connection Pipe**	Outer Diameter of Liquid Pipe(British System Allocation)	inch	1/4"
148		Outer Diameter of Gas Pipe(Skyworth Allocation)(Metric)	mm	φ9.52
149		Outer Diameter of Gas Pipe(British System Allocation)	inch	3/8"

150		Max Distance Height	m	10
151		Max Distance Height	ft	
152		Max Distance Length	m	20
153		Max Distance Length	ft	
154	**Loading Quantity**	Loading Quantity (20’ Container)	unit	108
155		Loading Quantity (40’ Container)	unit	227
156		Loading Quantity (40’ High Cube Container)	unit	248
157	**Function**	Automatic Operation		YES
158		Cooling		YES
159		Heating		YES
160		Dehumidify		YES
161		Fan		YES
162		Sleep Mode		Normal sleep mode
163		Auto Swing(Vertical Auto Swing)		YES
164		Auto Swing(Horizontal Auto Swing)		NO
165		Auto Fan		YES
166		Quiet		Optional
167		I Feel		Optional
168		Anion		NO
169		Cold Plasma		Optional
170		Intelligent Preheating		YES
171		Fresh Air		NO
172		Dry Anti-Mildew Design		YES
173		Several Optional Filters (eg：Active Carbon)		Optional
174		Auto Clean		Optional
175		Timer		YES
176		Auto Restart		YES
177		Turbo		YES
178		Clock		NO
179		Temperature		YES
180		Soft Start		YES
181		Self Diagnosis		YES
182		Lock		YES
183		CO Detection		NO
184		CO_2 Detection		NO
185		Filter Dirty Alarm		YES
186		Intelligent Open-Close Panel		NO
187		Compressor Electric Heater Function		**NO**
188		Chassis Electric Heater Function		**NO**
189		Quick Connector		NO
190		LCD (No Back Light)		NO
191		LCD (Back Light)		NO
192		LED		YES
193		Intelligent Defrosting		YES
194		Force Defrosting		YES
195		Auxiliary Electrical Heater		NO
196		Energy Saving		YES
197		8℃ Heating Mode		YES
198		Turbo Cooling		YES
199		High-Voltage Electrostatic Dedust		NO

200		Low Ambient Cooling		YES
201		Low Ambient Heating		YES
202		Low Voltage Startup		YES
203		Standby		YES
204		Multi Speeds		YES