

Technical Specifications			
Split Air Conditioner Outdoor Unit			
	Parameter	Unit	Value
1	Model	—	BMKH42M-NDG3
2	Product Code	—	453074379.00
3	Series Name	—	M3 Series
4	Cooling Capacity	kW	11.43
5	Cooling Capacity	Btu/h	38999
6	Min. Cooling Capacity	W	2600
7	Min. Cooling Capacity	Btu/h	8871
8	Max. Cooling Capacity	W	12000
9	Max. Cooling Capacity	Btu/h	40944
10	Heating Capacity	kW	11.72
11	Heating Capacity	Btu/h	40000
12	Min. Heating Capacity	W	2600
13	Min. Heating Capacity	Btu/h	8871
14	Max. Heating Capacity	W	13500
15	Max. Heating Capacity	Btu/h	46062
16	EER	W/W	3.06(EER) 3.04(EER2)
17	EER	(Btu/h)/W	10.43(EER) 10.4(EER2)
18	COP	W/W	3.42
19	COP	(Btu/h)/W	11.66
20	SEER	—	21<SEER> 21<SEER2>
21	HSPF	—	10.2(HSPF) 8.6(HSPF2)
30	Air Flow Volume	m ³ /h	7700
31	Air Flow Volume	CFM	4531
34	Sound Pressure Level	dB(A)	61
37	Sound Power Level	dB(A)	71
46	Rated Voltage	V	208/230
47	Rated Frequency	Hz	60
48	Phases	—	1
49	Min/Max. Voltage	V	176/253
50	Cross-sectional Area of Power Cable Condu	mm ²	4.00
51	Cross-sectional Area of Power Cable Condu	in ²	0.0062
52	Recommended Power Cable(Core)	N	3
53	Fuse Current	A	3.15/25
54	Max. Over Current Protection	A	40
55	Cooling Power Input	kW	3.76
56	Heating Power Input	kW	3.43
57	Rated Power Input	kW	4.00
58	Cooling Current Input	kW	16.35
59	Heating Current Input	kW	15.04
60	Rated Current	A	/
61	Starting Current	A	/
62	Min. Current(MCA)	A	24
66	Compressor Trademark	—	LANDA
67	Compressor Manufacturer	—	ZHUHAI LANDA COMPRESSOR CO.LTD
68	Compressor Model1	—	QXAS-D32zX090A
70	Compressor Type1	—	Inverter Rotary
73	Compressor Capacity	W	12300
74	Compressor Power Input	W	4150
75	Compressor Rated Load Amp (RLA)	A	17.8
76	Compressor Locked Rotor Amp (L.R.A)	A	/
78	Compressor Thermal Protector	—	外置1NT11L—6233
79	Compressor Crankcase	W	40
80	Compressor Refrigerant Oil Type	—	FV50S

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1	Model	—	BMKH42M-NDG3
81	Compressor Refrigerant Oil Charge Volume	L	1
82	Chassis Electrical Heater Power Input	W	96
83	Chassis Electrical Heater Current	A	0.4
86	Fan Type	—	Axial-flow
87	Fan Quantity	—	1
88	Fan Diameter-height	mm	570—152
89	Fan Diameter-height	in	22.4—5.98
90	Motor Model	—	SWZ150B
91	Motor Type	—	直流
92	Motor Insulation Class	—	B
93	Motor Safe Class	—	IP44
94	Overload Protector	—	
95	Motor Full Load Amp(FLA)	A	0.82
101	Fan Motor Type	—	
96	Fan Motor Drive Type	—	直驱
97	Fan Motor Speed	rpm	880
98	Fan Motor Power Output	W	170
99	Fan Motor Power Input	W	240
100	Fan Motor Capacitor	μF	
106	Condenser Material	—	Aluminum Fin-copper Tube
107	Condenser Face Area	m ²	1.07
108	Condenser Face Area	ft	11.52
109	Condenser Pipe Diameter	mm	φ7.94
110	Condenser Pipe Diameter	in	5/16
111	Condenser Number of Rows	—	2
112	Condenser Tube Pitch(a)×Row Pitch(b)	mm	22×19.05
114	Condenser Fin Pitch	mm	1.4
116	Condenser Fins per Inch(FPI)	-	18
117	Condenser Fin Type	—	波纹片
118	Condenser Fin Colour	—	蓝色
119	Condenser Number of Circuits	—	八进八出
120	Condenser Length(L) × Height(H) × Width (W)	mm	1056×776×286
122	Condenser Max. Allowable Pressure	MPa	10.0
131	Permissible Excessive Operating Pressure for the Discharge Side	MPa	4.2
132	Permissible Excessive Operating Pressure for the Suction Side	MPa	2.5
133	Maximum Allowable Pressure	MPa	4.2
134	High Presser Overload Protector	MPa	4
135	Low Presser Overload Protector	MPa	
136	Cooling Operation Ambient Temperature Range	C	-18~48
137	Cooling Operation Ambient Temperature Range	F	0~118
138	Heating Operation Ambient Temperature Range	C	-20~30
139	Heating Operation Ambient Temperature Range	F	-4~86
140	Maximum drive IDU NO.	unit	5
142	Defrosting Method	--	Automatic Defrosting
143	Isolation	—	I
144	Moisture Protection	--	IP24
145	Overload Protector	—	电流温控机械式
146	Climate Type	—	T1

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1	Model	—	BMKH42M-NDG3
151	Climate Zone	—	温带
147	Refrigerant	-	R410A
148	Refrigerant Charge	kg	3.65
149	Refrigerant Charge		128.8
150	Throttling Method	-	Electron expansion valve
161	Dimension of Outline(W)	mm	1087
162	Dimension of Outline(W)	in	42 4/5
163	Dimension of Outline(D)	mm	440
164	Dimension of Outline(D)	in	17 1/3
165	Dimension of Outline(H)	mm	1103
166	Dimension of Outline(H)	in	43 3/7
167	Dimension of Carton Box(L)	mm	1155
168	Dimension of Carton Box(L)	in	45 1/2
169	Dimension of Carton Box(W)	mm	480
170	Dimension of Carton Box(W)	in	18 8/9
171	Dimension of Carton Box(H)	mm	1115
172	Dimension of Carton Box(H)	in	43 8/9
173	Dimension of Package(L)	mm	1158
174	Dimension of Package(L)	in	45 3/5
175	Dimension of Package(W)	mm	493
176	Dimension of Package(W)	in	19 2/5
177	Dimension of Package(H)	mm	1235
178	Dimension of Package(H)	in	48 5/8
186	Outdoor Unit Stacked Layers	-	2
179	Net Weight	kg	90.0
180	Net Weight	lbs	198.5
181	Gross Weight	kg	98.0
182	Gross Weight	lbs	216.1
183	Outdoor Unit Loading Quantity (20' Container)	unit	22
184	Outdoor Unit Loading Quantity (40' Container)	unit	44
185	Outdoor Unit Loading Quantity (40' High Cube Container)	unit	86
191	Connection Pipe Connection Method	—	Flare Connection
192	Not Additional Gas Connection Pipe Length	M	40
193	Not Additional Gas Connection Pipe Length	ft	131.2
194	Connection Pipe Gas Additional Charge	g/m	20
196	Outer Diameter of Liquid Pipe(Metric)1	mm	φ6
197	Outer Diameter of Liquid Pipe 1	in	1/4"
198	Outer Diameter of Liquid PipeMetric)2	mm	φ6
199	Outer Diameter of Liquid Pipe2	in	1/4"
200	Outer Diameter of Liquid Pipe(Metric)3	mm	φ6
201	Outer Diameter of Liquid Pipe3	in	1/4"
202	Outer Diameter of Liquid Pipe(Metric)4	mm	φ6
203	Outer Diameter of Liquid Pipe4	in	1/4"
204	Outer Diameter of Liquid Pipe(Metric)5	mm	φ6
205	Outer Diameter of Liquid Pipe5	in	1/4"

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1	Model	—	BMKH42M-NDG3
206	Outer Diameter of Gas Pipe(Metric)1	mm	φ9.52
207	Outer Diameter of Gas Pipe1	in	3/8"
208	Outer Diameter of Gas Pipe(Metric)2	mm	φ9.52
209	Outer Diameter of Gas Pipe2	in	3/8"
210	Outer Diameter of Gas Pipe(Metric)3	mm	φ9.52
211	Outer Diameter of Gas Pipe(British System Allocation)3	in	3/8"
212	Outer Diameter of Gas Pipe(Metric)4	mm	φ9.52
213	Outer Diameter of Gas Pipe4	in	3/8"
214	Outer Diameter of Gas Pipe(Metric)5	mm	φ9.52
215	Outer Diameter of Gas Pipe5	in	3/8"
216	Connection Pipe Max. Height Distance (indoor and indoor)	M	7.5
217	Connection Pipe Max. Height Distance (indoor and indoor)	ft	24.6
218	Connection Pipe Max. Height Distance (indoor and outdoor and indoor up)	M	15
219	Connection Pipe Max. Height Distance (indoor and outdoor and indoor up)	ft	49.2
220	Connection Pipe Max. Height Distance (indoor and outdoor and outdoor up)	M	15
221	Connection Pipe Max. Height Distance (indoor and outdoor and outdoor up)	ft	49.2
222	Max. equivalent connection pipe length (outdoor to last indoor)	M	25
223	Max. equivalent connection pipe length (outdoor to last indoor)	ft	82.0
224	Connection Pipe Max. Length Distance (total length)	M	75
225	Connection Pipe Max. Length Distance (total length)	ft	246.1
241	Low Ambient Cooling Function	-	YES
242	Defrosting Time Set Function	-	NO
243	Low Voltage Startup	-	NO
244	Compressor With Electric Heater	-	YES
245	Chassis With Electric Heater	-	YES