



## TECHNICAL SPECIFICATIONS

### SPLIT-TYPE INVERTER

SR NO	PARAMETER	UNIT	VALUE	VALUE	VALUE	VALUE	
1	MODEL	—	9K	12K	18K	24K	
2	PRODUCT CODE	—	—	—	—	—	
3	POWER SUPPLY	RATED VOLTAGE	V~	208/230	208/230	208/230	208/230
4		RATED FREQUENCY	HZ	60	50/60	50/60	50/60
5		PHASES	—	1	1	1	1
6	POWER SUPPLY MODE	—	OUTDOOR	OUTDOOR	OUTDOOR	OUTDOOR	
7	CROSS-SECTIONAL AREA OF POWER CABLE CONDUCTOR	MM <sup>2</sup>	1.30 (AWG16)	1.30 (AWG16)	3.3 (AWG12)	3.3 (AWG12)	
8	RECOMMENDED POWER CABLE (CORE)	N	3	3	3	3	
9	MIN/MAX. VOLTAGE	V	187/253	187/253	187/253	187/253	
10	COOLING CAPACITY	W	2638	3517	5276	6450	
11	COOLING CAPACITY	BTU/H	9000	12000	18000	22000	
12	MIN. COOLING CAPACITY	W	450	850	1200	2000	
13	MIN. COOLING CAPACITY	BTU/H	1535	2900	4094	6800	
14	MAX. COOLING CAPACITY	W	3800	4500	6400	9000	
15	MAX. COOLING CAPACITY	BTU/H	12966	15354	21836.8	30700	
16	PDESIGNC	KW	/	/	/	/	
17	HEATING CAPACITY	W	2638	3576	5276	7000	
18	HEATING CAPACITY	BTU/H	9000	12200	18000	24000	
19	MIN. HEATING CAPACITY	W	700	900	1200	2000	
20	MIN. HEATING CAPACITY	BTU/H	2388	3071	4094	6800	
21	MAX. HEATING CAPACITY	W	4000	5500	7200	9500	
22	MAX. HEATING CAPACITY	BTU/H	13648	18766	24566.4	32000	
23	PDESIGNH (AVERAGE)	KW	/	/	/	/	
24	PDESIGNH (WARMER)	KW	/	/	/	/	
25	PDESIGNH (COLDER)	KW	/	/	/	/	
26	COOLING POWER INPUT	W	540	784	1330	1700	
27	MIN. COOLING POWER INPUT	W	50	75	350	450	
28	MAX. COOLING POWER INPUT	W	1400	1500	2500	3700	
29	HEATING POWER INPUT	W	610	940	1500	2000	
30	MIN. HEATING POWER INPUT	W	200	250	350	380	
31	MAX. HEATING POWER INPUT	W	1500	1600	2500	3700	
32	COOLING CURRENT	A	3.05	3.9	5.7	7.54	
33	HEATING CURRENT	A	3.15	5.3	6.2	9.37	
34	RATED INPUT	W	1500	1600	2500	3700	
35	RATED CURRENT	A	6.2	6.5	10.8	16.4	
36	RATED HEATING CURRENT	A	6.9	6.9	10.8	16.4	
37	MAX. OVER CURRENT PROTECTION	A	15	15	30	35	
38	MIN. CURRENT (MCA)	A	9	9	22	22	

SR NO	PARAMETER		UNIT	VALUE	VALUE	VALUE	VALUE
39	STARTING CURRENT		A	/	5	5	5
40	EER		W/W	4.89	4.48	3.97	3.81
41	EER		(BTU/H)/W	16.67	15.30	13.54	13.00
42	COP		W/W	4.32	3.80	3.52	3.50
43	COP		(BTU/H)/W	14.75	12.98	12.00	12.00
44	R		—				
45	SEER		—	38.00	30.50	24.50	21.50
46	HSPF		—	15.00	14.00	12.00	12.00
47	AIR FLOW VOLUME		M <sup>3</sup> /H	720/650/600/550/500/450/350	850/800/750/600/550/450/400	1250/1150/1050/950/850/780/600	1400/1300/1200/1100/1000/850/650
48	AIR FLOW VOLUME		CFM	424/383/353/324/294/265/206	500/471/441/353/324/265/235	736/677/618/559/500/459/353	824/765/706/647/588/500/383
49	DEHUMIDIFYING VOLUME		L/H	0.8	1.40	1.8	2.00
50	DEHUMIDIFYING VOLUME		PINT/D	1.69	2.96	3.8	4.23
51	APPLICATION AREA		M <sup>2</sup>	12-18	16-24	23-34	32-50
52	INDOOR UNIT	INDOOR UNIT MODEL	—	TW09HQ3D6DI	TW12HQ3D6DI	TW18HQ3D6DI	TW24HQ3D6DI
53	INDOOR UNIT	FAN TYPE	—	CROSS-FLOW	CROSS-FLOW	CROSS-FLOW	CROSS-FLOW
54	INDOOR UNIT	FAN DIAMETER LENGTH (D×L)	MM	Φ106×706	Φ106×706	Φ108×830	Φ106 × 890
55	INDOOR UNIT	FAN DIAMETER LENGTH (D×L)	INCH	Φ4 1/6×27 4/5	Φ4 1/6×27 4/5	Φ4 1/4×32 7/10	Φ4 1/6 X 35
56	INDOOR UNIT	COOLING SPEED	R/MIN	1250/1170/1100/1020/960/650/600/500	1400/1300/1200/1100/1000/900/800/550	1400/1300/1200/1100/1000/850/800/600	1500/1300/1100/1000/900/850/800/600
57	INDOOR UNIT	HEATING SPEED	R/MIN	1300/1200/1120/1040/960/880/800	1400/1270/1200/1130/1050/980/900	1400/1250/1100/1050/1000/900/850	1500/1300/1100/1050/1000/900/850
58	INDOOR UNIT	FAN MOTOR POWER OUTPUT	W	60	60	60	70
59	INDOOR UNIT	FAN MOTOR RLA	A	0.09	0.09	0.24	0.38
60	INDOOR UNIT	EVAPORATOR FORM	—	ALUMINUM FIN-COPPER TUBE	ALUMINUM FIN-COPPER TUBE	ALUMINUM FIN-COPPER TUBE	ALUMINUM FIN-COPPER TUBE
61	INDOOR UNIT	EVAPORATOR PIPE DIAMETER	MM	Φ7	Φ7	Φ7	Φ7
62	INDOOR UNIT	EVAPORATOR PIPE DIAMETER	INCH	Φ 2/7	Φ 2/7	0.276	Φ8/29
63	INDOOR UNIT	EVAPORATOR ROW-FIN GAP	MM	2-1.4	2-1.4	2-1.4	2-1.5
64	INDOOR UNIT	EVAPORATOR ROW-FIN GAP	INCH	2-1/18	2-1/18	2-1/18	2-1/17
65	INDOOR UNIT	EVAPORATOR COIL LENGTH (L×D×W)	MM	715×25.4×304.8	715×25.4×304.8	845×25.4×342.9	845×25.4×381
66	INDOOR UNIT	EVAPORATOR COIL LENGTH (L×D×W)	INCH	28 1/7×1×12	28 1/7×1×12	/	33 1/4×1×13 1/2
67	INDOOR UNIT	SWING MOTOR MODEL	—	MP35CJ, MP24HF	MP35CJ, MP24HF	MP35CP, MP24HF	MP35CJ
68	INDOOR UNIT	SWING MOTOR POWER OUTPUT	W	2.5, 1.5	2.5, 1.5	2.5, 1.5	2.5
69	INDOOR UNIT	FUSE CURRENT	A	3.15	3.15	3.15	3.15
70	INDOOR UNIT	SET TEMPERATURE RANGE	°C	16~30	16~30	16~30	16~30
71	INDOOR UNIT	SET TEMPERATURE RANGE	°F	61~86	61~86	61~86	61~86
72	INDOOR UNIT	SOUND PRESSURE LEVEL	DB (A)	46/40/38/36/33/31/19	49/46/43/40/37/34/22	51/48/45/42/39/36/34	54/49/46/43/40/37/34<超静音档 27>

SR NO	PARAMETER		UNIT	VALUE	VALUE	VALUE	VALUE
73	INDOOR UNIT	SOUND POWER LEVEL	DB (A)	56/50/48/46/43/41/29	59/56/53/50/47/44/32	61/58/55/52/49/46/44	64/59/56/53/50/47
74	INDOOR UNIT	DIMENSION (W×H×D)	MM	970×300×224	970×300×224	1078×325×246	1078×325×246
75	INDOOR UNIT	DIMENSION (W×H×D)	INCH	38.2×11.8×8.8	38.189×11.811×8.819	42.441×12.795×9.685	42.441×12.795×9.685
76	INDOOR UNIT	DIMENSION OF CARTON BOX (L×W×H)	MM	1038×380×305	1038×380×305	1145×410×335	1145×410×335
77	INDOOR UNIT	DIMENSION OF CARTON BOX (L×W×H)	INCH	40.9×15.0×12.0	40.866×14.961×12.008	45.079×16.142×13.189	45.079×16.142×13.189
78	INDOOR UNIT	DIMENSION OF PACKAGE (L×W×H)	MM	1041×383×320	1041×383×320	1148×413×350	1148×413×350
79	INDOOR UNIT	DIMENSION OF PACKAGE (L×W×H)	INCH	41.0×15.1×12.6	40.984×15.079×12.598	45.197×16.26×13.78	45.197×16.26×13.78
80	INDOOR UNIT	STACKED LAYERS	—	7	7	7	7
81	INDOOR UNIT	NET WEIGHT	KG	13.5	13.5	16.5	16.0
82	INDOOR UNIT	NET WEIGHT	LB	29.8	29.8	36.4	35.3
83	INDOOR UNIT	GROSS WEIGHT	KG	16.5	16.5	20	19.5
84	INDOOR UNIT	GROSS WEIGHT	LB	36.4	36.4	44.1	43.0
85	OUTDOOR UNIT	OUTDOOR UNIT MODEL	—	TW09HQ3D6D0	TW12HQ3D6D0	TW18HQ3D6D0	TW24HQ3D6D0
86	OUTDOOR UNIT	COMPRESSOR TRADEMARK	—	GREE	GREE	GREE	GREE
87	OUTDOOR UNIT	COMPRESSOR MANUFACTURER	—	ZHUHAI LANDA COMPRESSOR CO. LTD	ZHUHAI LANDA COMPRESSOR CO. LTD	ZHUHAI LANDA COMPRESSOR CO. LTD	ZHUHAI LANDA COMPRESSOR CO. LTD
88	OUTDOOR UNIT	COMPRESSOR MODEL	—	QXAT-B121ZE070	QXAT-B121ZE070	QXAT-D20ZF030	QXAT-D20ZF030
89	OUTDOOR UNIT	COMPRESSOR OIL	—	FV50S	FV50S	RB68EP	RB68EP
90	OUTDOOR UNIT	COMPRESSOR TYPE	—	ROTARY	ROTARY	ROTARY	ROTARY
91	OUTDOOR UNIT	COMPRESSOR LRA	A	35	35.00	30	30.00
92	OUTDOOR UNIT	COMPRESSOR RLA	A	6.90	6.90	15.5	16.00
93	OUTDOOR UNIT	COMPRESSOR POWER INPUT	W	1070	1070	2443	2443
94	OUTDOOR UNIT	COMPRESSOR OVERLOAD PROTECTOR	—	1NT11L-6233/HPC115/95/KSD115°C	1NT11L-6233/HPC115/95/KSD115°C	1NT11L-6233/HPC115/95/KSD115°C	1NT11L-6233/HPC115/95/KSD115°C
95	OUTDOOR UNIT	FAN TYPE	—	AXIAL-FLOW	AXIAL-FLOW	AXIAL-FLOW	AXIAL-FLOW
96	OUTDOOR UNIT	FAN DIAMETER	MM	438	438	550	550
97	OUTDOOR UNIT	FAN DIAMETER	INCH	17.24	17.244	21.65	21.65
98	OUTDOOR UNIT	FAN MOTOR SPEED	RPM	800/500	850	820	820
99	OUTDOOR UNIT	FAN MOTOR POWER OUTPUT	W	30	30	90	90
100	OUTDOOR UNIT	FAN MOTOR RLA	A	0.28	0.24	0.65	0.65
101	OUTDOOR UNIT	FAN MOTOR CAPACITOR	μF	/	/	/	/
102	OUTDOOR UNIT	OUTDOOR UNIT AIR FLOW VOLUME	M <sup>3</sup> /H	2400	2400	4000	4000
103	OUTDOOR UNIT	CONDENSER FORM	—	ALUMINUM FIN-COPPER TUBE	ALUMINUM FIN-COPPER TUBE	ALUMINUM FIN-COPPER TUBE	ALUMINUM FIN-COPPER TUBE
104	OUTDOOR UNIT	CONDENSER PIPE DIAMETER	MM	φ7.94	φ7	φ7	φ7

SR NO	PARAMETER		UNIT	VALUE	VALUE	VALUE	VALUE
105	OUTDOOR UNIT	CONDENSER PIPE DIAMETER	INCH	Φ1/3	Φ2/7	Φ2/7	Φ3/7
106	OUTDOOR UNIT	CONDENSER ROWS-FIN GAP	MM	2.5-1.4	2.5-1.4	2-1.4	3-1.5
107	OUTDOOR UNIT	CONDENSER ROWS-FIN GAP	INCH	2.5-1/18	2.5-1/18	2.0-1/18	3-1/18
108	OUTDOOR UNIT	CONDENSER COIL LENGTH (L×D×W)	MM	763×57×550	763×57×550	945×38.1×748	994×57.1×748
109	OUTDOOR UNIT	CONDENSER COIL LENGTH (L×D×W)	INCH	30.0×2 1/5×21 7/10	30.0×2 1/5×21 7/10	37 4/5×3 3/7×29 4/9	/
110	OUTDOOR UNIT	PERMISSIBLE EXCESSIVE OPERATING PRESSURE FOR THE DISCHARGE SIDE	MPA	4.3	4.3	4.3	4.3
111	OUTDOOR UNIT	PERMISSIBLE EXCESSIVE OPERATING PRESSURE FOR THE SUCTION SIDE	MPA	2.5	2.5	2.5	2.5
112	OUTDOOR UNIT	MAXIMUM ALLOWABLE PRESSURE	MPA	4.3	4.3	4.3	4.3
113	OUTDOOR UNIT	COOLING OPERATION AMBIENT TEMPERATURE RANGE	°C	-18~54	-18~54	-18~54	-18~54
114	OUTDOOR UNIT	COOLING OPERATION AMBIENT TEMPERATURE RANGE	°F	0~129	0~129	0~129	0~129
115	OUTDOOR UNIT	HEATING OPERATION AMBIENT TEMPERATURE RANGE	°C	-30~24	-30~24	-30~24	-30~24
116	OUTDOOR UNIT	HEATING OPERATION AMBIENT TEMPERATURE RANGE	°F	-22~75	-22~75	-22~75	-22~75
117	OUTDOOR UNIT	THROTTLING METHOD	—	ELECTRON EXPANSION VALVE	ELECTRON EXPANSION VALVE	ELECTRON EXPANSION VALVE	ELECTRON EXPANSION VALVE
118	OUTDOOR UNIT	DEFROSTING METHOD	—	AUTOMATIC DEFROSTING	AUTOMATIC DEFROSTING	AUTOMATIC DEFROSTING	AUTOMATIC DEFROSTING
119	OUTDOOR UNIT	CLIMATE TYPE	—	T1	T1	T1	T1
120	OUTDOOR UNIT	CLIMATE ZONE	—	TEMPERATE ZONE, FRIGID ZONE	TEMPERATE ZONE, FRIGID ZONE	TEMPERATE ZONE, FRIGID ZONE	TEMPERATE ZONE, FRIGID ZONE
121	OUTDOOR UNIT	ISOLATION	—	I	I	I	I
122	OUTDOOR UNIT	MOISTURE PROTECTION	—	IPX4	IPX4	IPX4	IPX4
123	OUTDOOR UNIT	SOUND PRESSURE LEVEL	DB (A)	57	53	59	59
124	OUTDOOR UNIT	SOUND POWER LEVEL	DB (A)	67	/	69	69
125	OUTDOOR UNIT	DIMENSION (W×H×D)	MM	899×596×378	899×596×378	980×790×427	980×790×427
126	OUTDOOR UNIT	DIMENSION (W×H×D)	INCH	35.394×23.465×14.882	35.394×23.465×14.882	38.583×31.102×16.811	38.583×31.102×16.811

SR NO	PARAMETER		UNIT	VALUE	VALUE	VALUE	VALUE
127	OUTDOOR UNIT	DIMENSION OF CARTON BOX (L×W×H)	MM	945×417×630	945×417×630	1080×485×840	1080×485×840
128	OUTDOOR UNIT	DIMENSION OF CARTON BOX (L×W×H)	INCH	37.205×16.417×24.803	37.205×16.417×24.803	42.52×19.094×33.071	42.52×19.094×33.071
129	OUTDOOR UNIT	DIMENSION OF PACKAGE (L×W×H)	MM	948×420×645	948×420×645	1083×488×855	1083×488×855
130	OUTDOOR UNIT	DIMENSION OF PACKAGE (L×W×H)	INCH	37.323×16.535×25.394	37.323×16.535×25.394	42.638×19.213×33.661	42.638×19.213×33.661
131	OUTDOOR UNIT	STACKED LAYERS	—	4	4	3	3
132	OUTDOOR UNIT	NET WEIGHT	KG	45	45	64	67
133	OUTDOOR UNIT	NET WEIGHT	LB	99.2	99.2	141.1	147.7
134	OUTDOOR UNIT	GROSS WEIGHT	KG	48	48	69	72
135	OUTDOOR UNIT	GROSS WEIGHT	LB	105.8	105.8	152.1	158.8
136	OUTDOOR UNIT	REFRIGERANT	—	R410A	R410A	R410A	R410A
137	OUTDOOR UNIT	REFRIGERANT CHARGE	KG	1.57	1.4	2.0	2.3
138	OUTDOOR UNIT	REFRIGERANT CHARGE	OZ	55.4	49.4	70.6	81.1
139	CONNECTION PIPE	LENGTH	M	7.5	7.5	7.5	7.5
140	CONNECTION PIPE	LENGTH	FT	24.6	24.6	24.6	24.6
141	CONNECTION PIPE	GAS ADDITIONAL CHARGE	G/M	20	20	50	50
142	CONNECTION PIPE	GAS ADDITIONAL CHARGE	OZ/FT.	0.2	0.2	0.5	0.5
143	CONNECTION PIPE	OUTER DIAMETER OF LIQUID PIPE (GREE ALLOCATION) (METRIC)	MM	φ6	φ6	φ6	φ6
144	CONNECTION PIPE	OUTER DIAMETER OF LIQUID PIPE (BRITISH SYSTEM ALLOCATION)	INCH	1/4"	1/4"	1/4"	1/4"
145	CONNECTION PIPE	OUTER DIAMETER OF GAS PIPE (GREE ALLOCATION) (METRIC)	MM	φ12	φ12	φ16	φ16
146	CONNECTION PIPE	OUTER DIAMETER OF GAS PIPE (BRITISH SYSTEM ALLOCATION)	INCH	1/2"	1/2"	5/8"	5/8"
147	CONNECTION PIPE	MAX DISTANCE HEIGHT	M	10	10	20	30
148	CONNECTION PIPE	MAX DISTANCE HEIGHT	FT	32.8	32.8	65.0	98.4
149	CONNECTION PIPE	MAX DISTANCE LENGTH	M	15	15	30	50
150	CONNECTION PIPE	MAX DISTANCE LENGTH	FT	49.2	49.2	100.0	164.0
151	LOADING QUANTITY	"LOADING QUANTITY (20' CONTAINER)"	UNIT	75	75	42	42
152	LOADING QUANTITY	"LOADING QUANTITY (40' CONTAINER)"	UNIT	156	156	87	87

SR NO	PARAMETER		UNIT	VALUE	VALUE	VALUE	VALUE
153	LOADING QUANTITY	"LOADING QUANTITY (40' HIGH CUBE CONTAINER)"	UNIT	179	179	107	107
<b>AIR CONDITION FUNCTION</b>							
154	FUNCTION	AUTOMATIC OPERATION		YES	YES	YES	YES
155	FUNCTION	COOLING		YES	YES	YES	YES
156	FUNCTION	HEATING		YES	YES	YES	YES
157	FUNCTION	DEHUMIDIFY		YES	YES	YES	YES
158	FUNCTION	FAN		YES	YES	YES	YES
159	FUNCTION	SLEEP MODE		THREE KINDS OF SLEEP CURVE	THREE KINDS OF SLEEP CURVE	NORMAL SLEEP MODE	3 KINDS OF SLEEP CURVE
160	FUNCTION	AUTO SWING (VERTICAL AUTO SWING)		YES	YES	YES	YES
161	FUNCTION	AUTO SWING (HORIZONTAL AUTO SWING)		YES	YES	YES	YES
162	FUNCTION	AUTO FAN		YES	YES	YES	YES
163	FUNCTION	QUIET		YES	YES	YES	YES
164	FUNCTION	I FEEL		YES	YES	YES	YES
165	FUNCTION	ANION		NO	NO	NO	NO
166	FUNCTION	COLD PLASMA		NO	NO	NO	NO
167	FUNCTION	INTELLIGENT PREHEATING		YES	YES	YES	YES
168	FUNCTION	FRESH AIR		NO	NO	NO	NO
169	FUNCTION	DRY ANTI-MILDEW DESIGN		YES	YES	YES	YES
170	FUNCTION	SEVERAL OPTIONAL FILTERS (EG: ACTIVE CARBON)		OPTIONAL	OPTIONAL	OPTIONAL	YES
171	FUNCTION	AUTO CLEAN		NO	NO	NO	NO
172	FUNCTION	TIMER		YES	YES	YES	YES
173	FUNCTION	AUTO RESTART		YES	YES	YES	YES
174	FUNCTION	TURBO		YES	YES	YES	YES
175	FUNCTION	CLOCK		YES	YES	YES	YES
176	FUNCTION	TEMPERATURE		YES	YES	YES	YES
177	FUNCTION	SOFT START		YES	YES	YES	YES
178	FUNCTION	SELF DIAGNOSIS		YES	YES	YES	YES
179	FUNCTION	LOCK		YES	YES	YES	YES
180	FUNCTION	CO DETECTION		NO	NO	NO	NO
181	FUNCTION	CO2 DETECTION		NO	NO	NO	NO
182	FUNCTION	FILTER DIRTY ALARM		NO	NO	NO	NO
183	FUNCTION	INTELLIGENT OPEN-CLOSE PANEL		NO	NO	NO	NO
184	FUNCTION	COMPRESSOR ELECTRIC HEATER FUNCTION		YES	YES	NO	NO
185	FUNCTION	CHASSIS ELECTRIC HEATER FUNCTION		YES	YES	YES	YES
186	FUNCTION	QUICK CONNECTOR		NO	NO	NO	NO

SR NO	PARAMETER		UNIT	VALUE	VALUE	VALUE	VALUE
187	FUNCTION	LCD (NO BACK LIGHT)		NO	NO	NO	NO
188	FUNCTION	LCD (BACK LIGHT)		YES	YES	YES	YES
189	FUNCTION	LED		YES	YES	YES	YES
190	FUNCTION	INTELLIGENT DEFROSTING		YES	YES	YES	YES
191	FUNCTION	FORCE DEFROSTING		YES	YES	YES	YES
192	FUNCTION	AUXILIARY ELECTRICAL HEATER		NO	NO	NO	NO
193	FUNCTION	ENERGY SAVING		YES	YES	YES	YES
194	FUNCTION	8°C HEATING MODE		YES	YES	YES	YES
195	FUNCTION	TURBO COOLING		YES	YES	YES	YES
196	FUNCTION	HIGH-VOLTAGE ELECTROSTATIC DEDUST		NO	NO	NO	NO
197	FUNCTION	LOW AMBIENT COOLING		YES	YES	YES	YES
198	FUNCTION	LOW AMBIENT HEATING		YES	YES	YES	YES
199	FUNCTION	LOW VOLTAGE STARTUP		YES	YES	YES	YES
200	FUNCTION	STANDBY		NO	NO	NO	NO
201	FUNCTION	MULTI SPEEDS					