

ENTRY LEVEL: UP TO 19 SEER MODEL		TWH09ATCXB-A3DNA3A	TWH09ATCXB-D3DNA3A	TWH12ATCXB-A3DNA3C	TWH12ATCXB-D3DNA3C	TWH18ATDXD-D3DNA3A	TWH24ATEXF-D3DNA3E
<b>Model</b>							
Rated Voltage	V~	115	208/230	115	208/230	208/230	208/230
Rated Frequency	Hz	60	60	60	60	60	60
Phases	-	1	1	1	1	1	1
Power Supply Mode	-	outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Cooling Capacity	Btu/h	9,100	9100	12000	12000	17600	22000
Heating Capacity	Btu/h	10,000	10000	12000	12000	19100	24000
Cooling Power Input	W	771	805	1380	1380	1750	1896
Heating Power Input	W	814	781	1004	1004	1750	2051
Cooling Current	A	8.7	3.75	15	6.2	7.95	8.5
Heating Current	A	9.2	3.9	10.9	4.5	7.95	9.5
Rated Input	W	1450	1450	1650	1650	2300	2400
Rated Current	A	17.5	6.5	17.9	6.2	9.5	12
EER	(Btu/h)/W	11.3	11.30	8.7	8.7	10.05	11.6
COP	(Btu/h)/W	12.3	12.80	11.95	11.95	10.90	11.7
SEER	-	19.5(SEER)19.5(SEER2)	19.5(SEER)/19.5(SEER2)	17.5(SEER) 17.5(SEER2)	17.5(SEER) 17.5(SEER2)	17.5(SEER) 17.5(SEER2)	18(SEER) 18(SEER2)
HSPF	-	9.8(HSPF)8.6(HSPF2)	10(HSPF)8.8(HSPF2)	10(HSPF) 8.5(HSPF2)	10(HSPF) 8.5(HSPF2)	9(HSPF) 8.5(HSPF2)	10(HSPF) 8.5(HSPF2)
Air Flow Volume	CFM	353/282/264/229/211/194/158	353/282/264/229/211/194/158	424/353/324/277/247/224/182	424/353/324/277/247/224/182	618/512/471/436/395/336/283	677/589/559/500/471/441/412
Dehumidifying Volume	Pint/D	1.69	1.69	2.96	2.96	3.8	5.28
Application Area	Yd <sup>2</sup>	14-22	14-22	19-29	19-29	28-41	28-41
<b>Indoor Unit Model</b>							
Fan Type	-	Cross-flow	Cross-flow	Cross-flow	Cross-flow	Cross-flow	Cross-flow
Fan Diameter Length	mm	Φ94×630	Φ94×630	Φ94×630	Φ94×630	Φ106×706	Φ111.5×830
Cooling Speed	r/min	1350/1150/1100/1000/950/850/750	Cooling:41/37/34/32/31/28/26	1350/1200/1120/1050/980/920/750/500	1550/1200/1120/1050/980/920/750	1350/1200/1120/1050/980/860/750	1350/1200/1100/1000/950/900/850
Heating Speed	r/min	1300/1100/1050/1000/950/850/800	Heating:41/36/34/32/31/28/26	1450/1200/1140/1080/1020/960/900/-	1450/1200/1140/1080/1020/960/900	1350/1200/1120/1050/960/850/750	1350/1200/1100/1000/950/900/850
Fan Motor Power Output	W	20	20	15	15	45	45
Fan Motor RLA	A	0.40	0.30	0.40	0.40	0.7	0.45
Fan Motor Capacitor	μF	4	1.5	/	/	/	/
Heater Power Input	W	68	72	/	/	/	/
Evaporator Form	-	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
Evaporator Pipe Diameter	mm	Φ5	Φ5	Φ5	Φ5	Φ5	Φ7
Evaporator Row-fin Gap	mm	2-1.3	2-1.3	2-1.3	2-1.3	2-1.2	2-1.4
Evaporator Coil Length (L×D×W)	mm	634×22.8×266.7	634×22.8×266.7	634×22.8×266.7	634×22.8×266.7	700×22.8×381	840×25.4×381
Swing Motor Model	-	MP24HF	MP24HF	MP24HF	MP24HF	MP35CJ	MP35CP
Swing Motor Power Output	W	15	1.5	1.5	1.5	2.5	2.5
Fuse Current	A	3.15	3.15	3.15	3.15	3.15	3.15
Sound Pressure Level	dB (A)	Cooling:41/37/35/33/31/28/26 Heating:41/36/35/34/31/29/27	1350/1150/1100/1000/950/850/750 1300/1100/1050/1000/950/850/800	Cooling:47/39/38/35/33/32/27 Heating:44/39/37/36/34/32/30	Cooling:47/39/38/35/33/32/27 Heating:44/39/37/36/34/32/30	Cooling:50/46/44/42/40/36/32 Heating:49/46/44/41/38/34/30	Cooling: 51/47/45/42/40/38/36 Heating: 52/48/45/42/40/38/37
Sound Power Level	dB (A)	Cooling:51/47/45/43/41/38/36 Heating:51/46/45/44/41/39/37	Cooling:51/47/44/42/41/38/36 Heating:51/46/44/42/41/38/36	Cooling:57/49/48/45/43/42/37 Heating:54/49/47/46/44/42/40	Cooling:57/49/48/45/43/42/37 Heating:54/49/47/46/44/42/40	Cooling:60/56/54/52/50/46/42 Heating:59/56/54/51/48/44/40	Cooling: 51/47/45/42/40/38/36 Heating: 52/48/45/42/40/38/37
Dimension (W×H×D)	Inch	32 7/8×10 53/64×7 7/8	32 7/8×10 53/64×7 7/8	32 7/8×10 53/64×7 7/8	32 56/64×10 53/64×7 7/8	37 1/8×13 7/64×9 11/16	42 7/16×13 7/64×9 11/16
Package Carton Dimension (L×W×H)	Inch	35 1/32×12 61/64×10 15/64	35 1/32×12 61/64×10 15/64	35 3/64×12 61/64×10 15/64	35 3/64×12 61/64×10 15/64	39 7/32×15 5/8×12 9/32	44 13/32×15 63/64×12 23/32
Package Dimension (L×W×H)	Inch	35 15/64×13 37/64×10 43/64	35 15/64×13 37/64×10 43/64	35 15/64×13 37/64×10 43/64	35 15/64×13 37/64×10 43/64	39 13/32×15 15/16×12 43/64	44 39/64×32×16 19/64×13 7/64
Net Weight	lb	19.8	19.8	19.8	19.8	28.7	33.1
Gross Weight	lb	24.25v	24.3	24.3	24.3	34.2	39.7

Outdoor Unit Model		TWH09ATCXB-A3DNA3A0	TWH09ATCXB-D3DNA3A0	TWH12ATCXB-A3DNA3C0	TWH12ATCXB-D3DNA3C0	TWH18ATDXD-D3DNA3A0	TWH24ATEXF-D3DNA3E0
Compressor Manufacturer	-	ZHUHAI LANDA COMPRESSOR CO.,LTD	ZHUHAI LANDA COMPRESSOR CO.,LTD	ZHUHAI LANDA COMPRESSOR CO.,LTD	ZHUHAI LANDA COMPRESSOR CO.,LTD	ZHUHAI LANDA COMPRESSOR CO.,LTD	ZHUHAI LANDA COMPRESSOR CO.,LTD
Compressor Model	-	QXF-N075zC170A	QXF-A082zC170	FTz-AN108ACBD	FTz-AN108ACBD	QXF-A139zH170A	FTz-SM151AXBD
Compressor Oil	-	FW68DA	ZE-GES RB68GX or equivalent	FW68DA or equivalent	FW68DA or equivalent	FW68DA or equivalent	FW68DA or equivalent
Compressor Type	-	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary
Compressor LRA	A	/	/	/	/	25.0	35.00
Compressor RLA	A	10.50	5.20	15.10	7.30	9.35	10.39
Compressor Power Input	W	640	756.6	857	857	1295	1330
Compressor Overload Protector	-	/	/	/	/	/	HPC 115/95U1 KSD115
Fan Type	-	Axial-flow	Axial-flow	Axial-flow	Axial-flow	Axial-flow	Axial-flow
Fan Diameter	mm	400	Φ400	Φ400	Φ400	940	520
Fan Motor Speed	rpm	900	850	900	900	Φ420	880
Fan Motor Power Output	W	30	30	30	30	30	60
Fan Motor RLA	A	0.63	0.40	0.70	0.60	0.9	0.73
Fan Motor Capacitor	μF	/	/	/	/	/	3.5
Outdoor Unit Air Flow Volume	CFM	1148	1148	1148	1148	1480	1883
Condenser Form	-	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
Condenser Pipe Diameter	mm	Φ5	Φ7	Φ5	Φ5	Φ7	Φ7
Condenser Rows-fin Gap	mm	1-1.2	1-1.2	1-1.2	1-1.2	2-1.4	2-1.4
Condenser Coil Length (L×D×W)	mm	666×19.05×527	666×19.05×527	677×19.05×528	677×19.05×528	787×23×514	839×38.1×616
Permissible Excessive Operating Pressure for the Discharge Side	MPa	4.3	4.3	4.3	4.3	4.3	4.3
Permissible Excessive Operating Pressure for the Suction Side	MPa	2.5	2.5	2.5	2.5	2.5	2.5
Maximum Allowable Pressure	MPa	4.3	4.3	4.3	4.3	4.3	4.3
Set Temperature Range	°F	61~86	61~86	61~86	61~86	61~86	61~86
Cooling Operation Ambient Temperature Range	°F	0~115	0~115	0~115	0~115	0~115	-0.4~122
Heating Operation Ambient Temperature Range	°F	-4~75	-4~75	-4~75	-4~75	-13~75	-13~75
Throttling Method	-	Capillary	Capillary	Capillary	Capillary	Capillary	Electron expansion valve
Defrosting Method	-	Automatic Defrosting	Automatic Defrosting	Automatic Defrosting	Automatic Defrosting	Automatic Defrosting	Automatic Defrosting
Climate Type	-	T1	T1	T1	T1	T1	T1
Isolation	-	I	I	I	I	I	I
Moisture Protection	-	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4
Sound Pressure Level	dB (A)	51	51	52	52	57	57
Sound Power Level	dB (A)	61	61	62	62	67	67
Dimension (W×H×D)	inch	28 13/16×21 27/32×12 63/64	28 13/16×21 27/32×12 63/64	28 13/16×21 27/32×12 63/64	28 13/16×21 27/32×12 63/64	31 37/64×21 27/32×13 25/32	37 23/32×25 63/64×15 53/64
Dimension of Carton Box (L×W×H)	inch	31 9/64×14 11/16×23 15/64	31 9/64×14 11/16×23 15/64	31 9/64×14 11/16×23 15/64	31 9/64×14 11/16×23 15/64	34 7/32×15 35/64×23 25/64	40 33/64×17 53/64×28 5/32
Dimension of Package(L×W×H)	inch	31 17/64×14 51/64×24 7/32	31 17/64×14 51/64×24 7/32	31 17/64×14 51/64×24 7/32	31 17/64×14 51/64×24 7/32	34 21/64×15 43/64×24 13/32	40 5/8×17 61/64×29 1/64
Net Weight	lb	59.5	56	59.5	57.33	71.7	97
Gross Weight	lb	65	61.7	65.0	62.842	77.2	106.9
Refrigerant	-	R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant Charge	oz	24.34	24.7	0.7	27.5	44.1	52.9
Length	ft	24.6	24.6	24.6	24.6	24.6	24.6
Gas Additional Charge	oz/ft	0.22	0.215	0.22	0.22	0.2	0.5
Outer Diameter Liquid Pipe	inch	1/4	1/4	1/4	1/4	1/4	1/4
Outer Diameter Gas Pipe	inch	3/8	3/8	3/8	3/8	1/2	5/8
Max. Height Distance	ft	39.37	39.37	32.8	32.8	32.8	32.8
Max. Length Distance	ft	65.6	65.62	65.6	65.6	82	82.0