

MID LEVEL - UP TO 25 SEER MODEL		TWH09AG25A2A	TWH09AG25A2D	TWH12AG25A2A	TWH12AG25A2D	TWH18AG25A2D	TWH24AG25A2D	TWH30QF25B4D	TWH36QF25B4D
Model									
Rated Voltage	V~	115	208/230	115	208/230	208/230	208/230	208/230	208/230
Rated Frequency	Hz	60	60	60	60	60	60	60	60
Phases	-	1	1	1	1	1	1	1	1
Power Supply Mode	-	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Cooling Capacity	Btu/h	9100	9100	12000	12000	18000	22000	30000	33600
Heating Capacity	Btu/h	/	10500	12000	12000	18000	24000	30000	34600
Cooling Power Input	W	623	618	961	961	1384	1679	2667	3200
Heating Power Input	W	/	848	923	923	1384	1870	2588	3200
Cooling Power Current	A	6.72	3	10.4	4.3	6.3	8.1	12	14
Heating Power Current	A	/	3.95	10	4.1	6.3	8.8	11.5	14
Rated Input	W	1100	1343	1500	1500	2350	3100	3900	4000
Rated Cooling Current	A	13.9	4.73	15.2	6.3	11.5	15.3	19	20
Rated Heating Current	A	/	6	16.3	6.7	11.5	13.5	18	18
Air Flow Volume	CFM	371/324/294/265/241/224/194/129	353/324/294/265/235/177/159/106	400/365/330/288/265/247/230/212	400/365/330/288/265/247/230/212	589/500/441/412/383/353/324	736/589/530/471/441/412/383	912/736/706/647/588/530/471	912/736/706/647/588/530/471
Dehumidifying Volume	Pint/h	1.69	1.69	2.96	2.96	38	5.072	7.40	7.40
EER	(Btu/h)/W	14.6	14.72	12.5	12.5	13	13.1	11.25	10.50
COP	(Btu/h)/W	/	12.38	13	13	13	12.8	11.59	10.81
SEER	-	26.5	25.5	24	24	23	24	19	20
HSPF	-	/	12	11	11	/	11	10	9
Application Area	yd2	53-57	53-57	19-29	1	28-41	32-50	55-83.7	55-86.11
Indoor Unit Model									
Fan Type	-	Cross-flow	Cross-flow	Cross-flow	Cross-flow	Cross-flow	Cross-flow	Cross-flow	Cross-flow
Fan Diameter Length(DXL)	mm	Φ98×630	Φ98×630	Φ98×630	Φ98×630	Φ106×739	Φ108×830	Φ108×522.7×2	Φ108×522.7×2
Cooling Speed	r/min	1350/1200/1100/1000/920/850/750/500	1300/1200/1100/1000/900/800/750/500	1450/1200/1120/1050/980/920/750/500	1450/1200/1120/1050/980/920/750/500	1400/1200/1120/1050/980/860/750	1500/1150/1100/1000/950/900/850	1550/1300/1200/1100/1000/950/850	1550/1300/1200/1100/1000/950/850
Heating Speed	r/min	/	1300/1200/1100/1000/900/850/800	1450/1200/1140/1080/1020/960/900	1450/1200/1140/1080/1020/960/900	1400/1200/1120/1050/950/850/750	1500/1200/1100/1050/1000/950/900	1500/1300/1200/1100/1000/950/900	1500/1300/1200/1100/1000/950/900
Fan Motor Power Output	W	15	20	15	15	45	60	70	70
Fan Motor RLA	A	0.3	0.22	0.3	0.2	0.35	0.3	0.6	0.75
Fan Motor Capacitor	μF	/	/	/	/	/	/	/	/
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	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
Evaporator Pipe Diameter	mm	Φ5	Φ5	Φ5	Φ5	Φ7	Φ7	Φ7	Φ7
Evaporator Row-fin Gap	mm	2-1.4	2-1.4	2-1.4	2-1.4	2-1.4	2-1.4	2-1.4	2-1.4
Evaporator Coil Length (LXD _{XW})	mm	634×22.8×304.8	634×22.8×304.8	634×22.8×304.8	634×22.8×304.8	745×25.4×342.9	845×25.4×342.9	1074×25.4×381	1074×25.4×381
Swing Motor Model	-	MP24HF / MP24AK / MP24BA	MP24HF / MP24AK / MP24BA	MP24HF / MP24AK / MP24BA	MP24HF / MP24AK / MP24BA	MP24HF/MP24AK/MP24BA	MP24AK/MP24HF/MP24HF	MP24BA	MP24BA
Swing Motor Power Output	W	15 / 15 / 15	1.5 / 1.5 / 1.5	1.5 / 1.5 / 1.5	1.5 / 1.5 / 1.5	1.5/1.5/1.5	1.5/1.5/1.5	1.5	1.5
Fuse Current	A	315	3.15	30	15	3.15A	3.15	5	5
Sound Pressure Level	dB (A)	41/37/34/31/29/27/24/22	Cooling: 40/37/35/32/29/26/25/22 Heating: 41/38/36/33/29/27/25	Cooling: 43/38/36/34/32/30/27 Heating: 44/38/36/34/32/30/28	Cooling: 43/38/36/34/32/30/27 Heating: 44/38/36/34/32/30/28	Cooling: 49/43/41/40/37/33/29 Heating: 49/43/41/39/36/32/28	Cooling: 52/44/42/39/38/36/34 Heating: 52/44/42/39/38/36/34	Cooling: 56/50/47/45/42/40/37 Heating: 55/50/48/45/42/40/39	Cooling: 56/50/47/45/42/40/37 Heating: 55/50/48/45/42/40/39
Sound Power Level	dB (A)	51/47/44/41/39/37/34/32	Cooling: 50/47/45/42/39/36/35/32 Heating: 51/48/46/43/39/37/35	Cooling: 53/48/46/44/42/40/37 Heating: 54/48/46/44/42/40/38	Cooling: 53/48/46/44/42/40/37 Heating: 54/48/46/44/42/40/38	Cooling: 49/43/51/50/47/43/39 Heating: 59/53/51/49/46/42/38	Cooling: 62/54/52/49/48/46/44 Heating: 62/54/52/49/48/46/44	Cooling: 66/60/57/55/52/50/47 Heating: 66/60/58/55/52/50/49	Cooling: 66/60/57/55/52/50/47 Heating: 66/60/58/55/52/50/49
Dimension (WXHXD)	Inch	32 31/64×11 17/32×7 23/32	32 31/64×11 17/32×7 23/32	32 31/64×11 17/32×7 23/32	32 31/64×11 17/32×7 23/32	38 21/32×12 1/4×8 45/64	42 21/64×13 7/64×9 11/16	53 9/64×12 53/64×9 61/64	53 9/64×12 53/64×9 61/64
Dimension of Carton Box (LXWXH)	inch	34 1/4×13 47/64×10 1/8	34 1/4×13 47/64×10 1/8	34 1/4×13 47/64×10 1/8	34 1/4×13 47/64×10 1/8	40 29/32×14 27/32×11 19/64	44 13/32×15 63/64×12 23/32	56 39/64×16 29/64×13 55/64	56 39/64×16 29/64×13 55/64
Dimension of Package (LXWXH)	inch	34 29/64×14 3/8×10 35/64	34 29/64×14 3/8×10 35/64	34 29/64×14 3/8×10 35/64	34 29/64×14 3/8×10 35/64	41 7/64×15 5/32×11 11/16	44 39/64×16 19/64×13 7/64	56 47/64×16 37/64×14 7/16	56 47/64×16 37/64×14 7/16
Net Weight	ib	20.9	20.9	20.9	20.9	28.7	35.3	44.1	44.1
Gross Weight	ib	25.4	25.4	25.4	25.4	35.3	41.9	54.0	54.0

Outdoor Unit Model		TWH09AG25A2AO	TWH09AG25A2DO	TWH12AG25A2AO	TWH12AG25A2DO	TWH18AG25A2DO	TWH24AG25A2DO	TWH30QF25B4DO	TWH36QF25B4DO
Compressor Manufacturer	-	ZHUHAI LANDA COMPRESSOR CO.,LTD	ZHUHAI LANDA COMPRESSOR CO.,LTD	ZHUHAI LANDA COMPRESSOR CO.,LTD	Shanghai Highly Electrical Appliances 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-B103zH170E	QXF-B103zH170E	FTz-AN108ACBD	GSD098XKJA7JL6B	QXF-M130zF170	QXFS-M180zX170	QXFS-B238zX070	QXFS-D280zX070
Compressor Oil	-	RB68EP	FW68DA	FW68DA or equivalent Rotary	ACS-68R or equivalent	FW68DA or equivalent	/	RB68DA or equivalent	FW68DA or equivalent
Compressor Type	-	Rotary	Rotary	/	320±20ml Rotary	Rotary	Rotary	Rotary	Rotary
Compressor LRA	A	25	/	15.10	/	/	24	27	40.00
Compressor RLA	A	12.5	6.5	857	6.8	9.6	11	14.2	16.00
Compressor Power Input	W	800	800	/	784	1196	1350	2020	2294
Compressor Overload Protector	-	/	/	Axial-flow	/	/	HPC 115/95U1 KSD115	/	/
Throttling Method	-	Electron expansion valve	Electron expansion valve	Φ400	Electron expansion valve	Electron expansion valve	Electron expansion valve	Electron expansion valve	Electron expansion valve
Set Temperature Range	°F	61-86	61-86	900	61-86	61-86	61-86	61-86	61-86
Cooling Operation Ambient Temperature Range	°F	-4-122	-20-122	30	-20-122	-20-122	-20-122	-4-122	-4-122
Heating Operation Ambient Temperature Range	°F	/	-22-86	0.70	-22-86	-22-86	-22-86	-13-75	-13-75
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	Aluminum Fin-copper Tube
Condenser Pipe Diameter	mm	Φ5	Φ7	1148	Φ7.94	Φ7	Φ7	7	Φ7.94
Condenser Rows-fin Gap	mm	2-1.4	2-1.4	Aluminum Fin-copper Tube	2-1.4	2-1.4	2-1.4	2-1.4	2-1.4
Condenser Coil Length (L×D×W)	mm	816×22.8×514	761.5×38.1×528	Φ5	761.5×38.1×528	890×38.1×616	955×38.1×704	955×38.1×704	955×38.1×704
Fan Motor Speed	rpm	900	850	1-1.2	900	850	850	850	850
Fan Motor Power Output	W	30	30	677×19.05×528	30	60	90	90	90
Fan Motor RLA	A	0.4	0.4	4.3	0.4	1.25	0.6	0.9	1.50
Fan Motor Capacitor	μF	/	/	2.5	/	/	/	/	/
Outdoor Unit Air Flow Volume	CFM	1295	1295	4.3	1294.7	2119	2648	2648	2648
Fan Type	-	Axial-flow	Axial-flow	61-86	Cross-flow	Axial-flow	Axial-flow	Axial-flow	Axial-flow
Fan Diameter	mm	Φ420	Φ420	0-115	Φ420	Φ520	Φ570	Φ570	Φ570
Defrosting Method	-	/	Automatic Defrosting	-4-75	Automatic Defrosting	Automatic Defrosting	Automatic Defrosting	Automatic Defrosting	Automatic Defrosting
Climate Type	-	T1	T1	Capillary	T1	T1	T1	T1	T1
Isolation	-	I	I	Automatic Defrosting	I	I	I	I	I
Moisture Protection	-	IPX4	IPX4	T1	IPX4	IPX4	IPX4	IPX4	IPX4
Permissible Excessive Operating Pressure for the Discharge Side	MPa	4.3	4.3	I	4.3	4.3	4.3	4.3	4.3
Permissible Excessive Operating Pressure for the Suction Side	MPa	2.5	2.5	IPX4	2.5	2.5	2.5	2.5	2.5
Sound Pressure Level	dB (A)	51	52	52	52	59	62	62/-/-	62/-/-
Sound Power Level	dB (A)	61	63	62	62	69	72	72/-/-	72/-/-
Dimension (W×H×D)	inch	31.37/64×21.27/32×13.25/32	31.37/64×21.27/32×3.25/32	28.13/16×21.27/32×12.63/64	31.37/64×21.27/32×13.25/32	37.23/32×26.63/64×15.53/64	39.3/8×29.3/8×16.13/16	39.3/8×29.3/8×16.13/16	39.3/8×29.3/8×16.13/16
Dimension of Carton Box (L×W×H)	inch	34.7/32×15.35/64×23.25/64	34.7/32×15.35/64×23.25/64	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	42.13/32×18.57/64×30.29/32	42.26/64×18.57/64×30.58/64	42.26/64×18.57/64×30.58/64
Dimension of Package (L×W×H)	inch	34.21/64×15.43/64×24.13/32	34.21/64×5.43/64×24.13/32	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	42.33/64×19.1/64×31.57/64	42.33/64×19.1/64×31.57/64	42.33/64×19.1/64×31.57/64
Net Weight	lb	66	70.6	59.5	70.6	98.1	125.7	113.6	127.9
Gross Weight	lb	70.6	76.1	65.0	76.1	106.943	136.7	124.6	138.9
Refrigerant	-	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant Charge	oz	30	35.3	0.7	42.3	53	60	74.1	84.7
Connection Pipe Length	ft	24.6	24.6	24.6	16.4	24.6	24.6	24.6	24.6
Connection Pipe Gas Additional Charge	oz/ft	0.2	0.2	0.22	0.215	0.125	0.5	0.5	0.5
Outer Diameter Liquid Pipe	inch	1/4	1/4	1/4	1/4	1/4	1/4	1/4"	1/4"
Outer Diameter Gas Pipe	inch	3/8	3/8	3/8	1/2	5/8	5/8	5/8"	5/8"
Max Distance Height	ft	32.8	32.8	32.8	32.8	32.8	82	32.8	32.8
Max Distance Length	ft	492	492	65.6	65.6	8	131.2	82	82.0