

U-MATCH SERIES AIR CONDITIONERS



4.3 Floor Ceiling Type Data

Model	Indoor Unit		GUD35ZD1/A-S	GUD50ZD1/A-S	GUD71ZD1/A-S	GUD85ZD1/A-S
	Outdoor Unit		GUD35W1/NhA-S	GUD50W1/NhA-S	GUD71W1/NhA-S	GUD85W1/NhA-S
Rated Capacity	Cooling	kW	3.50	5.30	7.10	8.50
	Heating	kW	4.00	5.60	7.70	8.80
Input Power	Cooling	kW	0.92	1.56	2.03	2.50
	Heating	kW	0.93	1.44	1.95	2.25
EER/ COP		W/W	3.80/4.30	3.40/3.90	3.50/3.95	3.40/3.90
SEER/SCOP		—	7.20/4.10	6.50/4.20	7.20/4.30	6.80/4.50
Energy Class (Cooling /Heating)		—	A++/A+	A++/A+	A++/A+	A++/A+
Indoor Unit			GUD35ZD1/A-S	GUD50ZD1/A-S	GUD71ZD1/A-S	GUD85ZD1/A-S
Power Supply			220-240V ~50/60Hz			
Heat Exchanger		—	Inner Groove Copper Tube-Aluminum Fin			
Fan Motor	Type	—	Centrifugal Fan			
	Air Volume (SH/H/M/L)	m³/h	650/600/500/400	900/800/700/600	1250/1100/1000/900	1400/1300/1200/1000
Filter		—	PP	PP	PP	PP
Sound Pressure Level (SH/H/M/L)		dB(A)	35/34/31/28	41/40/38/36	41/39/37/35	46/45/43/39
Connection Pipe	Liquid Pipe	in.	Φ1/4	Φ1/4	Φ3/8	Φ3/8
	Gas Pipe	in.	Φ3/8	Φ1/2	Φ5/8	Φ5/8
	Water Pipe	mm	Φ17×1.5	Φ17×1.5	Φ17×1.5	Φ17×1.5
Dimensions (W×D×H)	Outline	mm	870×665×235	870×665×235	1200×665×235	1200×665×235
	Package	mm	973×770×300	973×770×300	1303×770×300	1303×770×300
Weight	Net/Gross	kg	24.0/28.0	25.0/29.0	31.0/36.0	32.0/37.0
Outdoor Unit			GUD35W1/NhA-S	GUD50W1/NhA-S	GUD71W1/NhA-S	GUD85W1/NhA-S
Heat Exchanger			Inner Groove Copper Tube-Aluminum Fin			
Power Supply			220-240V ~50/60Hz			
Compressor	Model		FTz-AN108ACBD	QXF-A120zH170A	QXFS-M180zX170	QXFS-B238zX070
	Type		Rotary	Rotary	Rotary	Rotary
Fan Motor	Type	—	Axial Fan	Axial Fan	Axial Fan	Axial Fan
	Air Volume	m³/h	1800	2200	3600	3600
Sound Pressure Level		dB(A)	48	52	55	57
Refrigerant	Type		R32	R32	R32	R32
	Weight	kg	0.57	0.85	1.5	1.5
	Throttling Method		Electronic Expansion Valve			
Connection Pipe	Liquid Pipe	in.	Φ1/4	Φ1/4	Φ3/8	Φ3/8
	Gas Pipe	in.	Φ3/8	Φ1/2	Φ5/8	Φ5/8
Refrigerant Pipe	Standard Length	m	5	5	5	5
	Max. Length	m	30	30	30	30
	Max. Height	m	15	20	20	25

Model	Indoor Unit		GUD35ZD1/A-S	GUD50ZD1/A-S	GUD71ZD1/A-S	GUD85ZD1/A-S
	Outdoor Unit		GUD35W1/NhA-S	GUD50W1/NhA-S	GUD71W1/NhA-S	GUD85W1/NhA-S
Dimensions (W×D×H)	Outline	mm	675×285×553	745×300×555	889×340×660	889×340×660
	Package	mm	794×376×605	872×398×609	1032×456×730	1032×456×730
Weight	Net/Gross	kg	24.5/27.0	30.5/33.0	41.5/45.0	46/50.0

Model	Indoor Unit		GUD100ZD1/A-S	GUD125ZD1/A-S	GUD140ZD1/A-S
	Outdoor Unit		GUD100W1/NhA-S	GUD125W1/NhA-S	GUD140W1/NhA-S
Rated Capacity	Cooling	kW	10.00	12.10	13.40
	Heating	kW	11.50	13.5 0	15.50
Input Power	Cooling	kW	2.94	3.67	4.30
	Heating	kW	2.95	3.75	4.20
EER/ COP		W/W	3.40/3.90	3.30/3.60	3.12/3.69
SEER/SCOP		—	6.30/4.20	6.30/4.00	6.30/4.00
Energy Class (Cooling /Heating)		—	A++/A+	A++/A+	A++/A+
Indoor Unit			GUD100ZD1/A-S	GUD125ZD1/A-S	GUD140ZD1/A-S
Power Supply			220-240V ~50/60Hz		
Heat Exchanger			Inner Groove Copper Tube-Aluminum Fin		
Fan Motor	Type	—	Centrifugal Fan		
	Air Volume (SH/H/M/L)	m³/h	1600/1500/1400/1200	1900/1800/1600/1400	2300/2100/1800/1500
Filter			PP	PP	PP
Sound Pressure Level(SH/H/M/L)			dB(A)	48/46/45/43	45/43/40/38
Connection Pipe	Liquid Pipe	in.	Φ3/8	Φ3/8	Φ3/8
	Gas Pipe	in.	Φ5/8	Φ5/8	Φ5/8
	Water Pipe	mm	Φ17×1.5	Φ17×1.5	Φ17×1.5
Dimensions (W×D×H)	Outline	mm	1200×665×235	1570×665×235	1570×665×235
	Package	mm	1303×770×300	1669×770×300	1669×770×300
Weight	Net/Gross	kg	32.0/37.0	39.5/46.5	42.0/49.0
Outdoor Unit			GUD100W1/NhA-S	GUD125W1/NhA-S	GUD140W1/NhA-S
Heat Exchanger			Inner Groove Copper Tube-Aluminum Fin		
Power Supply			220-240V ~50/60Hz		
Compressor	Model		QXFS-D280zX070	QXFS-D280zX070	QXFS-D280zX070B
	Type		Rotary	Rotary	Rotary
Fan Motor	Type	—	Axial Fan	Axial Fan	Axial Fan
	Air Volume	m³/h	4800	5200	5200
Sound Pressure Level			dB(A)	57	58
Refrigerant	Type		R32	R32	R32
	Weight	kg	2.1	2.25	2.80
	Throttling Method		Electronic Expansion Valve		
Connection Pipe	Liquid Pipe	in.	Φ3/8	Φ3/8	Φ3/8
	Gas Pipe	in.	Φ5/8	Φ5/8	Φ5/8

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Model	Indoor Unit		GUD100ZD1/A-S	GUD125ZD1/A-S	GUD140ZD1/A-S
	Outdoor Unit		GUD100W1/NhA-S	GUD125W1/NhA-S	GUD140W1/NhA-S
Refrigerant Pipe	Standard Length	m	5	5	7.5
	Max. Length	m	75	75	75
	Max. Height	m	30	30	30
Dimensions (W×D×H)	Outline	mm	940×370×820	940×370×820	940×370×820
	Package	mm	1093×497×885	1093×497×885	1093×497×885
Weight	Net/Gross	kg	65.0/72.0	66.0/73.0	73.0/80.0

Model	Indoor Unit		GUD100ZD1/A-S	GUD125ZD1/A-S	GUD140ZD1/A-S	GUD160ZD1/A-S
	Outdoor Unit		GUD100W1/NhA-X	GUD125W1/NhA-X	GUD140W1/NhA-X	GUD160W1/NhA-X
Rated Capacity	Cooling	kW	10.00	12.10	13.40	16.00
	Heating	kW	11.50	13.50	15.50	17.00
Input Power	Cooling	kW	2.94	3.67	4.30	5.30
	Heating	kW	2.95	3.75	4.20	4.80
EER/ COP		W/W	3.40/3.90	3.30/3.60	3.12/3.69	3.02/3.54
SEER/SCOP		—	6.30/4.20	6.30/4.00	6.30/4.00	6.10/4.00
Energy Class (Cooling /Heating)		—	A++/A+	A++/A+	A++/A+	A++/A+
Indoor Unit			GUD100ZD1/A-S	GUD125ZD1/A-S	GUD140ZD1/A-S	GUD160ZD1/A-S
Power Supply			220-240V ~50/60Hz			
Heat Exchanger		—	Inner Groove Copper Tube-Aluminum Fin			
Fan Motor	Type	—	Centrifugal Fan			
	Air Volume (SH/H/M/L)	m³/h	1600/1500/ 1400/1200	1900/1800/ 1600/1400	2300/2100/ 1800/1500	2400/2200/ 1900/1600
Filter		—	PP	PP	PP	PP
Sound Pressure Level(SH/H/M/L)		dB(A)	48/46/45/43	45/43/40/38	51/48/45/43	53/51/48/44
Connection Pipe	Liquid Pipe	in.	Φ3/8	Φ3/8	Φ3/8	Φ3/8
	Gas Pipe	in.	Φ5/8	Φ5/8	Φ5/8	Φ5/8
	Water Pipe	mm	Φ17×1.5	Φ17×1.5	Φ17×1.5	Φ17×1.5
Dimensions (W×D×H)	Outline	mm	1200×665×235	1570×665×235	1570×665×235	1570×665×235
	Package	mm	1303×770×300	1669×770×300	1669×770×300	1669×770×300
Weight	Net/Gross	kg	32.0/37.0	39.5/46.5	42.0/49.0	42.0/49.0
Outdoor Unit			GUD100W1/NhA-X	GUD125W1/NhA-X	GUD140W1/NhA-X	GUD160W1/NhA-X
Heat Exchanger			Inner Groove Copper Tube-Aluminum Fin			
Power Supply			380-415V 3N~50/60Hz			
Compressor	Model		QXFS-D280zX070	QXFS-D280zX070	QXFS-D280zX070B	QXFS-D388zX050A
	Type		Rotary	Rotary	Rotary	Rotary
Fan Motor	Type	—	Axial Fan	Axial Fan	Axial Fan	Axial fan
	Air Volume	m³/h	4800	5200	5200	5500
Sound Pressure Level		dB(A)	57	58	59	60
Refrigerant	Type		R32	R32	R32	R32
	Weight	kg	2.1	2.25	2.80	3.50
	Throttling Method		Electronic Expansion Valve			

Model	Indoor Unit		GUD100ZD1/A-S	GUD125ZD1/A-S	GUD140ZD1/A-S	GUD160ZD1/A-S
	Outdoor Unit		GUD100W1/NhA-X	GUD125W1/NhA-X	GUD140W1/NhA-X	GUD160W1/NhA-X
Connection Pipe	Liquid Pipe	in.	Φ3/8	Φ3/8	Φ3/8	Φ3/8
	Gas Pipe	in.	Φ5/8	Φ5/8	Φ5/8	Φ5/8
Refrigerant Pipe	Standard Length	m	5	5	7.5	7.5
	Max. Length	m	75	75	75	75
	Max. Height	m	30	30	30	30
Dimensions (W×D×H)	Outline	mm	940×370×820	940×370×820	940×370×820	990×370×960
	Package	mm	1093×497×885	1093×497×885	1093×497×885	1153×478×1110
Weight	Net/Gross	kg	75.0/82.0	76.0/83.0	81.0/88.0	94.0/103.0

Notes:

1. The above data are based on the following conditions.

—	Cooling	Heating
Indoor	DB:27°C / WB:19°C	DB:20°C / WB:15°C
Outdoor	DB:35°C / WB:24°C	DB:7°C / WB:6°C

2. Airflow volume was measured under applicable standard external static pressure
3. The sound pressure level is tested in the anechoic room. It would be somewhat different in the actual operation due to environmental change. Indoor and outdoor sound levels are determined in an anechoic chamber and may differ once the unit is installed due to ambient conditions.

5 OPERATION RANGE

—	Cooling	Heating
Outdoor temperature DB(°C)	-20~52	-20~24
Indoor temperature DB/WB(°C) (Maximum)	32/23	27/-