

U-MATCH SERIES AIR CONDITIONERS



4.2 Duct Type Data

Model	Indoor Unit		GUD35P1/A-S GUD35PS1/A-S	GUD50P1/A-S GUD50PS1/A-S	GUD71PH1/A-S GUD71PHS1/A-S	GUD85PH1/A-S GUD85PHS1/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	8.00	8.80
Input Power	Cooling	kW	1.03	1.51	1.92	2.50
	Heating	kW	1.00	1.42	2.00	2.25
EER/ COP		W/W	3.40/4.00	3.50/3.95	3.70/4.00	3.40/3.90
SEER/SCOP		—	6.50/4.00	6.30/4.00	6.60/4.10	6.40/4.10
Energy Class (Cooling /Heating)		—	A++/A+	A++/A+	A++/A+	A++/A+
Indoor Unit			GUD35P1/A-S GUD35PS1/A-S	GUD50P1/A-S GUD50PS1/A-S	GUD71PH1/A-S GUD71PHS1/A-S	GUD85PH1/A-S GUD85PHS1/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	600/550/500/400	900/800/700/600	1100/1000/900/800	1400/1300/1100/1000
	External Static Pressure Standard	Pa	25	25	25	37
Filter		—	PP	PP	PP	PP
Sound Pressure Level(SH/H/M/L)		dB(A)	35/33/32/30	36/35/33/31	37/35/33/31	43/41/39/37
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	Φ26×2.5	Φ26×2.5	Φ26×2.5	Φ26×2.5
Dimensions (W×D×H)	Outline	mm	700×450×200	1000×450×200	900×655×260	900×655×260
	Package	mm	1008×568×275	1308×568×275	1115×772×320	1115×772×320
Weight without Drain Pump	Net/Gross	kg	17.0/21.0	23.0/28.0	28.5/32.5	28.5/32.5
Weight with Drain Pump		kg	18.0/22.0	24.0/29.0	29.5/33.5	29.5/33.5
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	1.50	1.50
	Throttling Method		Electronic Expansion Valve			

Model	Indoor Unit		GUD35P1/A-S GUD35PS1/A-S	GUD50P1/A-S GUD50PS1/A-S	GUD71PH1/A-S GUD71PHS1/A-S	GUD85PH1/A-S GUD85PHS1/A-S
	Outdoor Unit		GUD35W1/NhA-S	GUD50W1/NhA-S	GUD71W1/NhA-S	GUD85W1/NhA-S
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
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	46.0/50.0

Model	Indoor Unit		GUD100PH1/A-S GUD100PHS1/A-S	GUD125PH1/A-S GUD125PHS1/A-S	GUD140PH1/A-S GUD140PHS1/A-S
	Outdoor Unit		GUD100W1/NhA-S	GUD125W1/NhA-S	GUD140W1/NhA-S
Rated Capacity	Cooling	kW	10.50	12.10	13.40
	Heating	kW	11.50	13.50	15.50
Input Power	Cooling	kW	3.00	3.58	4.50
	Heating	kW	2.80	3.70	4.50
EER/ COP		W/W	3.50/4.10	3.38/3.65	2.98/3.44
SEER/SCOP		—	6.40/4.20	6.10/4.10	6.10/4.00
Energy Class (Cooling /Heating)		—	A++/A+	A++/A+	A++/A+
Indoor Unit			GUD100PH1/A-S GUD100PHS1/A-S	GUD125PH1/A-S GUD125PHS1/A-S	GUD140PH1/A-S GUD140PHS1/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	1700/1600/1400/1200	2000/1800/1600/1400	2300/2100/1800/1500
	External Static Pressure Standard	Pa	37	50	50
Filter		—	PP	PP	PP
Sound Pressure Level(SH/H/M/L)		dB(A)	39/38/37/36	43/42/41/40	43/42/40/38
Connection Pipe	Liquid Pipe	in.	Φ3/8	Φ3/8	Φ3/8
	Gas Pipe	in.	Φ5/8	Φ5/8	Φ5/8
	Water Pipe	mm	Φ26×2.5	Φ26×2.5	Φ26×2.5
Dimensions (W×D×H)	Outline	mm	1340×655×260	1340×655×260	1400×700×300
	Package	mm	1568×770×323	1568×770×323	1601×813×365
Weight without Drain Pump	Net/Gross	kg	42.0/48.0	42.0/48.0	51.0/57.0
Weight with Drain Pump		kg	43.0/49.0	43.0/49.0	52.0/58.0
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		

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Model	Indoor Unit		GUD100PH1/A-S GUD100PHS1/A-S	GUD125PH1/A-S GUD125PHS1/A-S	GUD140PH1/A-S GUD140PHS1/A-S
	Outdoor Unit		GUD100W1/NhA-S	GUD125W1/NhA-S	GUD140W1/NhA-S
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	59
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
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		GUD100PH1/A-S GUD100PHS1/A-S	GUD125PH1/A-S GUD125PHS1/A-S	GUD140PH1/A-S GUD140PHS1/A-S	GUD160PH1/A-S GUD160PHS1/A-S
	Outdoor Unit		GUD100W1/NhA-X	GUD125W1/NhA-X	GUD140W1/NhA-X	GUD160W1/NhA-X
Rated Capacity	Cooling	kW	10.50	12.10	13.40	16.00
	Heating	kW	11.50	13.50	15.50	17.00
Input Power	Cooling	kW	3.00	3.58	4.50	5.40
	Heating	kW	2.80	3.70	4.50	4.70
EER/ COP		W/W	3.50/4.10	3.38/3.65	2.98/3.44	2.96/3.62
SEER/SCOP		—	6.40/4.20	6.10/4.10	6.10/4.00	6.10/4.00
Energy Class (Cooling /Heating)		—	A++/A+	A++/A+	A++/A+	A++/A+
Indoor Unit			GUD100PH1/A-S GUD100PHS1/A-S	GUD125PH1/A-S GUD125PHS1/A-S	GUD140PH1/A-S GUD140PHS1/A-S	GUD160PH1/A-S GUD160PHS1/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	1700/1600/ 1400/1200	2000/1800/ 1600/1400	2300/2100/ 1800/1500	2600/2300/ 2000/1700
	External Static Pressure Standard	Pa	37	50	50	50
Filter		—	PP	PP	PP	PP
Sound Pressure Level (SH/H/M/L)		dB(A)	39/38/37/36	43/42/41/40	43/42/40/38	46/44/42/40

Model	Indoor Unit		GUD100PH1/A-S GUD100PHS1/A-S	GUD125PH1/A-S GUD125PHS1/A-S	GUD140PH1/A-S GUD140PHS1/A-S	GUD160PH1/A-S GUD160PHS1/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
	Water Pipe	mm	Φ26×2.5	Φ26×2.5	Φ26×2.5	Φ26×2.5
Dimensions (W×D×H)	Outline	mm	1340×655×260	1340×655×260	1400×700×300	1400×700×300
	Package	mm	1568×770×323	1568×770×323	1601×813×365	1601×813×365
Weight without Drain Pump	Net/Gross	kg	42.0/48.0	42.0/48.0	51.0/57.0	54.0/61.0
Weight with Drain Pump		kg	43.0/49.0	43.0/49.0	52.0/58.0	55.0/62.0
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- D280zX070	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			
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:

- 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

- Airflow volume was measured under applicable standard external static pressure
- 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.