

4 PRODUCT PARAMETERS



4.1 Cassette Type Data

Model	Indoor Unit		GUD35T1/A-S	GUD50T1/A1-S	GUD50T1/A-S
	Outdoor Unit		GUD35W1/NhA-S	GUD50W1/NhA-S	GUD50W1/NhA-S
Rated Capacity	Cooling	kW	3.50	5.00	5.30
	Heating	kW	4.00	5.60	5.80
Input Power	Cooling	kW	0.92	1.47	1.54
	Heating	kW	1.00	1.60	1.50
EER/ COP		W/W	3.80/4.00	3.40/3.50	3.45/3.95
SEER/SCOP		—	7.10/4.20	6.60/4.00	7.20/4.30
Energy Class (Cooling /Heating)		—	A++/A+	A++/A+	A++/A+
Indoor Unit			GUD35T1/A-S	GUD50T1/A1-S	GUD50T1/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	720/650/600/500	900/800/700/600
Filter		—	PP-MD10	PP-MD10	PP-MD10
Sound Pressure Level(SH/H/M/L)		dB(A)	36/35/33/29	43/41/39/35	36/35/33/31
Connection Pipe	Liquid Pipe	in.	Φ1/4	Φ1/4	Φ1/4
	Gas Pipe	in.	Φ3/8	Φ1/2	Φ1/2
	Water Pipe	mm	Φ25×1.50	Φ25×1.50	Φ25×1.50
Dimensions (W×D×H)	Outline	mm	570×570×260	570×570×260	840×840×200
	Package	mm	698×653×295	698×653×295	943×923×245
Weight	Net/Gross	kg	16.5/21	16.5/21	21/27
Panel Dimensions (W×D×H)	Outline	mm	620×620×47.5	620×620×47.5	950×950×52
	Packaged	mm	693×693×115	693×693×115	1033×1020×110
Panel Weight	Net/Gross	kg	3.0/4.5	3.0/4.5	6.0/9.5
Outdoor Unit			GUD35W1/NhA-S	GUD50W1/NhA-S	GUD50W1/NhA-S
Heat Exchanger			Inner Groove Copper Tube-Aluminum Fin		
Power Supply			220-240V ~50/60Hz	220-240V ~50/60Hz	220-240V ~50/60Hz
Compressor	Model		FTz-AN108ACBD	QXF-A120zH170A	QXF-A120zH170A
	Type		Rotary	Rotary	Rotary
Fan Motor	Type	—	Axial Fan	Axial Fan	Axial Fan
	Air Volume	m³/h	1800	2200	2200
Sound Pressure Level		dB(A)	48	52	52
Refrigerant	Type		R32	R32	R32
	Weight	kg	0.57	0.85	0.85
	Throttling Method		Electronic Expansion Valve		

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Model	Indoor Unit		GUD35T1/A-S	GUD50T1/A1-S	GUD50T1/A-S
	Outdoor Unit		GUD35W1/NhA-S	GUD50W1/NhA-S	GUD50W1/NhA-S
Connection Pipe	Liquid Pipe	in.	Φ1/4	Φ1/4	Φ1/4
	Gas Pipe	in.	Φ3/8	Φ1/2	Φ1/2
Refrigerant Pipe	Standard Length	m	5	5	5
	Max. Length	m	30	30	30
	Max. Height	m	15	20	20
Dimensions (W×D×H)	Outline	mm	675×285×553	745×300×555	745×300×555
	Package	mm	794×376×605	872×398×609	872×398×609
Weight	Net/Gross	kg	24.5/27.0	30.5/33.0	30.5/33.0

Model	Indoor Unit		GUD71T1/A-S	GUD85T1/A-S
	Outdoor Unit		GUD71W1/NhA-S	GUD85W1/NhA-S
Rated Capacity	Cooling	kW	7.10	8.50
	Heating	kW	7.80	8.80
Input Power	Cooling	kW	2.03	2.50
	Heating	kW	2.00	2.25
EER/ COP		W/W	3.50/3.90	3.40/3.90
SEER/SCOP		—	6.70/4.30	6.90/4.30
Energy Class (Cooling /Heating)		—	A++/A+	A++/A+
Indoor Unit			GUD71T1/A-S	GUD85T1/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	1100/1000/900/800	1400/1300/1100/1000
Filter		—	PP-MD10	PP-MD10
Sound Pressure Level(SH/H/M/L)		dB(A)	39/38/36/34	47/46/42/38
Connection Pipe	Liquid Pipe	in.	Φ3/8	Φ3/8
	Gas Pipe	in.	Φ5/8	Φ5/8
	Water Pipe	mm	Φ25×1.50	Φ25×1.50
Dimensions (W×D×H)	Outline	mm	840×840×200	840×840×200
	Package	mm	943×923×245	943×923×245
Weight	Net/Gross	kg	21.0/27.0	21.0/27.0
Panel Dimensions (W×D×H)	Outline	mm	950×950×52	950×950×52
	Packaged	mm	1033×1020×110	1033×1020×110
Panel Weight	Net/Gross	kg	6.0/9.5	6.0/9.5
Outdoor Unit			GUD71W1/NhA-S	GUD85W1/NhA-S
Heat Exchanger		—	Inner Groove Copper Tube-Aluminum Fin	
Power Supply			220-240V ~50/60Hz	
Compressor	Model		QXFS-M180zX170	QXFS-B238zX070
	Type		Rotary	Rotary
Fan Motor	Type	—	Axial Fan	Axial Fan
	Air Volume	m³/h	3600	3600

Model	Indoor Unit		GUD71T1/A-S	GUD85T1/A-S
	Outdoor Unit		GUD71W1/NhA-S	GUD85W1/NhA-S
Sound Pressure Level		dB(A)	55	57
Refrigerant	Type		R32	R32
	Weight	kg	1.5	1.5
	Throttling Method		Electronic Expansion Valve	
Connection Pipe	Liquid Pipe	in.	Φ3/8	Φ3/8
	Gas Pipe	in.	Φ5/8	Φ5/8
Refrigerant Pipe	Standard Length	m	5	5
	Max. Length	m	30	30
	Max. Height	m	20	25
Dimensions (W×D×H)	Outline	mm	889×340×660	889×340×660
	Package	mm	1032×456×730	1032×456×730
Weight	Net/Gross	kg	41.5/45.0	46.0/50.0

Model	Indoor Unit		GUD100T1/A-S	GUD125T1/A-S	GUD140T1/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	3.10	3.90	4.60
	Heating	kW	2.95	4.00	4.70
EER/ COP		W/W	3.40/3.90	3.10/3.40	2.91/3.30
SEER/SCOP		—	6.60/4.40	6.10/4.10	6.30/4.00
Energy Class (Cooling /Heating)		—	A++/A+	A++/A+	A++/A+
Indoor Unit			GUD100T1/A-S	GUD125T1/A-S	GUD140T1/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	1500/1400/1200/1000	1700/1500/1300/1100	2000/1800/1600/1400
Filter		—	PP-MD10	PP-MD10	PP-MD10
Sound Pressure Level(SH/H/M/L)		dB(A)	43/41/39/38	48/46/43/39	50/48/45/41
Connection Pipe	Liquid Pipe	in.	Φ3/8	Φ3/8	Φ3/8
	Gas Pipe	in.	Φ5/8	Φ5/8	Φ5/8
	Water Pipe	mm	Φ25×1.50	Φ25×1.50	Φ25×1.50
Dimensions (W×D×H)	Outline	mm	840×840×240	840×840×240	840×840×290
	Package	mm	933×903×272	933×903×272	933×903×335
Weight	Net/Gross	kg	23/29	23/29	25/32
Panel Dimensions (W×D×H)	Outline	mm	950×950×52	950×950×52	950×950×52
	Packaged	mm	1033×1020×110	1033×1020×110	1033×1020×110
Panel Weight	Net/Gross	kg	6.0/9.5	6.0/9.5	6.0/9.5
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		GUD100T1/A-S	GUD125T1/A-S	GUD140T1/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	2.10	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		GUD100T1/A-S	GUD125T1/A-S	GUD140T1/A-S	GUD160T1/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	14.50
	Heating	kW	11.50	13.50	15.50	17.00
Input Power	Cooling	kW	3.10	3.90	4.60	5.30
	Heating	kW	2.95	4.00	4.70	5.70
EER/ COP		W/W	3.40/3.90	3.10/3.40	2.91/3.30	2.74/2.98
SEER/SCOP		—	6.60/4.40	6.10/4.10	6.30/4.00	6.10/4.00
Energy Class (Cooling /Heating)		—	A++/A+	A++/A+	A++/A+	A++/A+
Indoor Unit			GUD100T1/A-S	GUD125T1/A-S	GUD140T1/A-S	GUD160T1/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	1500/1400/ 1200/1000	1700/1500/ 1300/1100	2000/1800/ 1600/1400	2300/2100/ 1900/1600
Filter		—	PP-MD10	PP-MD10	PP-MD10	PP-MD10
Sound Pressure Level(SH/H/M/L)		dB(A)	43/41/39/38	48/46/43/39	50/48/45/41	52/50/48/44
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	Φ25×1.50	Φ25×1.50	Φ25×1.50	Φ25×1.50
Dimensions (W×D×H)	Outline	mm	840×840×240	840×840×240	840×840×290	840×840×290
	Package	mm	933×903×272	933×903×272	933×903×335	933×903×335
Weight	Net/Gross	kg	23/29	23/29	25/32	26.0/33.0
Panel Dimensions (W×D×H)	Outline	mm	950×950×52	950×950×52	950×950×52	950×950×52
	Packaged	mm	1033×1020×110	1033×1020×110	1033×1020×110	1033×1020×110

Model	Indoor Unit		GUD100T1/A-S	GUD125T1/A-S	GUD140T1/A-S	GUD160T1/A-S
	Outdoor Unit		GUD100W1/NhA-X	GUD125W1/NhA-X	GUD140W1/NhA-X	GUD160W1/NhA-X
Panel Weight	Net/Gross	kg	6.0/9.5	6.0/9.5	6.0/9.5	6.0/9.5
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	2.10	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:

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. 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.