

U-Match



Fixed Frequency Series*

It is a kind of split system that the outdoor unit can be freely connected to different types of indoor units according to various indoor decoration requirements.



- Intelligent defrosting
- Compact design
- Anti-cold function
- Comprehensive protection
- Easier maintainability
- Self diagnosis
- Wide operation range

- Double ambient temperature sensor design makes a precision temperature monitoring.
- With low ambient temperature cooling function, cooling normally in -7°C .
- The outdoor unit is universal, can be matched with floor ceiling, cassette, duct type indoor unit.



Indoor Unit

	Duct type	Cassette type	Floor ceiling type
<ul style="list-style-type: none"> • Fresh air inlet and air valve control function improve the indoor air quality. • Flexible air in/outlet and condensing water outlet direction according to different installation requirements. • Optimized air duct design improves the performance and lower the noise. 	<ul style="list-style-type: none"> • Drain pump fitted as standard with increased lift of 1100mm. • Special low noise fan design. • Different swing angle design for cooling and heating mode for better comfort. • All kinds of air freshener can be installed in the filter, such as catechin 	<ul style="list-style-type: none"> • 3-D air flue design. • Easy replacement of motor and fan blade thanks to clamp block propeller design. • Different swing angle design for cooling and heating mode for better comfort. 	

Item	Nominal operating condition (temperature)				Operation range (temperature)	
	Outdoor condition		Indoor condition		Outdoor condition	
	DB (°C)	WB (°C)	DB (°C)	WB (°C)	DB (°C)	
Cooling	35	24	27	19	-7~43 (with low ambient cooling) 18~43 (without low ambient cooling)	
Heating	7	6	20	15	-7~24	

*:All product models of this series are not fit for EU.

Indoor Units Lineup

Capacity Index (BTU/h)		9K	12K	18K	24K
Indoor Unit	Outdoor Unit	 GUHN09NK3AO	 GUHN12NK3AO	 GUHN18NK3AO	 GUHN24NK3AO
	Duct	 GFH09K3BI	 GFH12K3BI	 GFH18K3BI	 GFH24K3BI
	Cassette	—	 GKH12K3BI	 GKH18K3BI	 GKH24K3BI
	Floor Ceiling	 GTH09K3BI	 GTH12K3BI	 GTH18K3BI	 GTH24K3BI

Capacity Index (BTU/h)		30K	36K	42K	48K	60K
Indoor Unit	Outdoor Unit	 GUHN30NK3A10	 GUHN36NK3A0	 GUHN42NM3A0	 GUHN48NM3A10	 GUHN60NM3A20
	Duct	 GFH30K3BI	 GFH36K3BI	 GFH42K3BI	 GFH48K3BI	 GFH60K3BI
	Cassette	 GKH30K3BI	 GKH36K3BI	 GKH42K3BI	 GKH48K3BI	 GKH60K3BI
	Floor Ceiling	 GTH30K3BI	 GTH36K3BI	 GTH42K3BI	 GTH48K3BI	 GTH60K3BI

Model	Outdoor unit		GUHN09NK3AO			GUHN12NK3AO		
	Indoor unit		Duct GFH09K3BI	Cassette FTH09K3BI	Floor Ceiling GFH12K3BI	Cassette GKH12K3BI	Floor Ceiling GTH12K3BI	
Capacity	Cooling	W	2600	2600	3500	3500	3500	
		BTU/h	8970	8970	11940	11940	11940	
Capacity	Heating	W	2850	2850	3600	3600	3600	
		BTU/h	9720	9720	12280	12280	12280	
EER/COP		W/W	2.60/2.94	2.60/2.85	2.92/3.27	2.92/3.27	2.92/3.27	
Power supply		Ph/V/Hz	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	
Power input	Cooling	kW	1.00	1.00	1.17	1.17	1.17	
		kW	0.97	1.00	1.10	1.10	1.10	
Current input	Cooling	A	4.4	4.3	5.4	5.4	5.4	
		A	4.3	4.5	5.1	5.1	5.1	
Refrigerant charge volume	Air flow volume(H/M/L)	m ³ /h	550/470/400	550/470/380	800/540/490	550/490/420	550/470/380	
		CFM	324/277/235	324/277/224	353/317/258	324/288/247	324/277/224	
Indoor unit	ESP	Rated Pa	25	—	25	—	—	
		Range Pa	0-25	—	0-25	—	—	
Indoor unit	Sound pressure level(H/M/L)	dB(A)	37/38/34	47/44/41	40/38/36	47/45/43	47/44/41	
		mm	913-680-220	836-695-238	913-680-220	800-600-230	836-695-238	
Panel	Dimension (W×D×H)	Package mm	998-753-273	938-808-310	968-753-273	851-681-325	938-809-310	
		Net Weight /Gross Weight kg	24/29	25/32	25/30	20/27	28/33	
Outdoor unit	Dimension (W×D×H)	Outline mm	—	—	—	650-650-50	—	
		Package mm	—	—	—	670-730-102	—	
Connection pipe	Outer diameter	Liquid inch(mm)	—	—	—	—	—	
		Gas inch(mm)	—	—	—	—	—	
Loading quantity	Max distance	Height/Length m	15/20	15/20	15/20	15/20	15/20	
		40°GP/40°HQ set	123/160	118/143	123/160	113/144	118/143	

Model	Outdoor unit		GUHN30NK3A1O			GUHN36NK3AO		
	Indoor unit		Duct GFH30K3BI	Cassette GKH30K3BI	Floor Ceiling GTH30K3BI	Duct GFH36K3BI	Cassette GKH36K3BI	Floor Ceiling GTH36K3BI
Capacity	Cooling	W	8300	8300	8500	9800	10000	10000
		BTU/h	28320	28320	29002	33440	34120	34120
Capacity	Heating	W	9100	8800	9600	11000	11000	11000
		BTU/h	31050	30020	33440	37530	37530	37530
EER/COP		W/W	2.77/3.03	2.86/2.79	2.83/3.44	2.45/3.14	2.78/3.33	2.78/3.33
Power supply		Ph/V/Hz	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50
Power input	Cooling	kW	3.00	2.90	3.00	4.00	3.60	3.60
		kW	3.00	3.15	2.85	3.50	3.30	3.30
Current input	Cooling	A	13.5	13.1	13.6	22.9	20.0	20.0
		A	13.9	13.1	13.6	19.0	18.0	18.0
Refrigerant charge volume	Air flow volume(H/M/L)	m ³ /h	1500/1300/1100	1400/1270/1170	1600/1450/1300	2000/1900/1800	1860/1570/1500	1800/1630/1520
		CFM	882/765/647	824/747/689	942/853/765	1177/1118/1059	977/824/883	1059/959/895
Indoor unit	ESP	Rated Pa	37	—	37	—	—	—
		Range Pa	0-100	—	0-150	—	—	—
Indoor unit	Sound pressure level(H/M/L)	dB(A)	47/44/42	51/49/48	52/51/49	59/48/46	53/51/48	54/51/48
		mm	1270-530-268	840-840-240	1420-700-245	1226-775-290	840-840-320	1550-695-238
Panel	Dimension (W×D×H)	Package mm	1348-597-283	963-963-325	1578-828-345	1338-837-305	963-963-409	1717-833-345
		Net Weight /Gross Weight kg	37/43	27/36	48/58	54/61	32/43	48/58
Outdoor unit	Dimension (W×D×H)	Outline mm	—	950-950-60	—	950-950-60	—	—
		Package mm	—	1025-1040-115	—	1025-1040-115	—	—
Connection pipe	Outer diameter	Liquid inch(mm)	—	—	—	—	—	—
		Gas inch(mm)	—	—	—	—	—	—
Loading quantity	Max distance	Height/Length m	15/30	15/30	15/30	15/30	15/30	15/30
		40°GP/40°HQ set	74/85	56/64	72/84	64/70	44/53	55/58

















Model	Outdoor unit		GUHN18NK3AO			GUHN24NK3AO		
	Indoor unit		Duct GFH18K3BI	Cassette GKH18K3BI	Floor Ceiling GTH18K3BI	Duct GFH24K3BI	Cassette GKH24K3BI	Floor Ceiling GTH24K3BI
Capacity	Cooling	W	5000	5000	5000	7000	6800	7000
		BTU/h	17080	17080	17060	23880	23200	23880
Capacity	Heating	W	5700	5400	5700	8000	7500	8000
		BTU/h	19450	18430	19450	27300	25600	27300
EER/COP		W/W	2.38/3.17	2.50/2.84	2.46/2.75	2.63/3.19	2.60/3.00	2.68/3.09
Power supply		Ph/V/Hz	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50
Power input	Cooling	kW	2.10	2.00	2.03	2.66	2.62	2.61
		kW	1.80	1.90	2.07	2.51	2.50	2.59
Current input	Cooling	A	9.4	9.0	9.3	12.1	11.9	11.8
		A	8.0	8.7	9.5	11.4	11.4	11.7
Refrigerant charge volume	Air flow volume(H/M/L)	m ³ /h	840/750/680	550/490/420	700/640/570	1600/1400/1200	1180/1080/1000	1170/1080/1000
		CFM	484/441/400	324/288/247	412/377/335	941/824/706	694/635/588	688/635/588
Indoor unit	ESP	Rated Pa	25	—	—	25	—	—
		Range Pa	0-25	—	—	0-100	—	—
Indoor unit	Sound pressure level(H/M/L)	dB(A)	42/40/38	47/45/43	54/50/46	47/44/42	47/45/43	50/48/46
		mm	1012-738-286	800-800-230	836-695-238	1270-530-268	840-840-240	1300-800-188
Panel	Dimension (W×D×H)	Package mm	1123-798-323	851-881-325	938-808-310	1348-597-283	963-963-325	1417-727-263
		Net Weight /Gross Weight kg	34/41	20/27	28/33	37/43	27/36	33/40
Outdoor unit	Dimension (W×D×H)	Outline mm	—	650-650-50	—	—	950-950-60	—
		Package mm	—	670-730-102	—	—	1025-1040-115	—
Connection pipe	Outer diameter	Liquid inch(mm)	—	—	—	—	—	—
		Gas inch(mm)	—	—	—	—	—	—
Loading quantity	Max distance	Height/Length m	15/20	15/20	15/20	15/20	15/20	15/20
		40°GP/40°HQ set	118/132	113/144	118/143	92/94	52/80	88/98

Model	Outdoor unit		GUHN36NM3AO			GUHN42NM3AO		
	Indoor unit		Duct GFH36K3BI	Cassette GKH36K3BI	Floor Ceiling GTH36K3BI	Duct GFH42K3BI	Cassette GKH42K3BI	Floor Ceiling GTH42K3BI
Capacity	Cooling	W	9800	10000	9800	12000	12000	12000
		BTU/h	33440	34120	33440	40940	40940	40940
Capacity	Heating	W	11000	11000	10780	14000	14000	14000
		BTU/h	37530	37530	36780	47770	47770	47770
EER/COP		W/W	2.45/3.14	2.78/3.55	2.72/3.27	2.26/2.80	2.50/2.80	2.50/2.98
Power supply		Ph/V/Hz	3/380-415/50	3/380-415/50	3/380-415/50	3/380-415/50	3/380-415/50	3/380-415/50
Power input	Cooling	kW	4.00	3.60	3.60	5.30	4.80	4.80
		kW	3.50	3.10	3.10	4.90	5.00	4.70
Current input	Cooling	A	7.0	6.7	6.7	9.6	8.7	8.7
		A	6.3	5.7	6.0	8.9	8.5	8.5
Refrigerant charge volume	Air flow volume(H/M/L)	m ³ /h	2000/1800/1800	1600/1570/1500	1800/1630/1520	2000/1900/1800	1860/1570/1500	1800/1630/1520
		CFM	1177/1118/1059	977/924/883	1056/959/895	1177/1118/1059	977/924/883	1059/959/895
Indoor unit	ESP	Rated Pa	37	—	—	37	—	—
		Range Pa	0-150	—	—	0-150	—	—
Indoor unit	Sound pressure level(H/M/L)	dB(A)	50/48/46	53/51/48	54/51/48	50/48/46	53/51/48	54/51/48
		mm	1226-775-290	840-840-320	1560-695-238	1228-775-290	840-840-320	1590-695-238
Panel	Dimension (W×D×H)	Package mm	1338-837-305	963-963-409	1717-833-345	1338-837-305	963-963-409	1717-833-345
		Net Weight /Gross Weight kg	54/61	32/43	48/58	54/61	32/43	48/58
Outdoor unit	Dimension (W×D×H)	Outline mm	—	950-950-60	—	—	950-950-60	—
		Package mm	—	1025-1040-115	—	—	1025-1040-115	—
Connection pipe	Outer diameter	Liquid inch(mm)	—	—	—	—	—	—
		Gas inch(mm)	—	—	—	—	—	—
Loading quantity	Max distance	Height/Length m	15/30	15/30	15/30	15/30	15/30	15/30
		40°GP/40°HQ set	64/70	44/53	55/58	45/49	42/48	44/49

U-Match(Fixed Frequency Series)

Model	Outdoor unit		GUHR48NM3A10			GUHR60NM3A20			
	Indoor unit		Duct GFH48K3B11	Cassette GKH48K3B11	Floor Ceiling GTH48K3B11	Duct GFH60K3B21	Floor Ceiling GTH60K3B21	Cassette GKH60K3B21	
Capacity	Cooling	W	13200	13200	13200	15500	15500	15500	
		BTU/h	45040	45040	45040	52800	52800	52800	
EER/COP	Cooling	W/W	2.58/3.15	2.75/2.79	2.84/3.02	2.50/3.49	2.58/3.49	2.58/3.48	
	Heating	W/W	3/380-415/50	3/380-415/50	3/380-415/50	3/380-415/50	3/380-415/50	3/380-415/50	
Power supply	Cooling	kW	5.10	4.90	5.0	6.20	6.00	6.00	
	Heating	kW	4.60	5.20	4.8	5.30	5.30	5.30	
Current input	Cooling	A	9.2	8.7	9.0	11.3	10.9	10.8	
	Heating	A	8.3	9.5	8.7	9.6	9.6	10.3	
Refrigerant charge volume		kg	3.8	3.8	3.8	4.5	4.5	4.5	
Indoor unit	Air flow volume(H/M/L)		m ³ /m	2300/2110/1850	1660/1570/1500	2100/1900/1800	2500/2070/1730	2300/2100/1900	2400/2100/1900
			CFM	1354/1242/1089	977/924/883	1238/1118/1059	1471/1219/1018	1353/1236/1118	1412/1285/1118
	ESP		Pa	50	—	—	50	—	—
	Range		Pa	0-150	—	—	0-50	—	—
	Sound pressure level(H/M/L)		dB(A)	53/50/48	53/51/48	58/55/52	53/50/48	58/55/52	55/53/49
	Dimension (W×D×H)		mm	1228×775×295	840×840×320	1580×895×238	1228×815×330	1700×700×245	910×910×200
	Package		mm	1338×937×305	993×983×409	1717×833×345	1338×885×345	1625×825×330	1020×990×360
	Net Weight/Gross Weight		kg	57/67	32/43	48/58	66/78	65/73	43/53
	Outline		mm	—	950×950×80	—	—	—	1040×1040×85
	Package		mm	—	1028×1043×130	—	—	—	1137×1137×140
Panel	Net weight/Gross weight		kg	—	8.5/10	—	—	8/12	
	Sound pressure level		dB(A)	—	83	—	—	84	
	Dimension (W×D×H)		mm	—	1032×412×1250	—	—	1032×412×1250	
Outdoor unit	Outline		mm	—	1113×453×1400	—	—	1113×453×1400	
	Package		mm	—	—	—	—	—	
	Net weight /Gross weight		kg	—	112/123	—	—	117/128	
Connection pipe	Liquid		inch(mm)	—	φ1/2(12.7)	—	—	φ1/2(12.7)	
	Gas		inch(mm)	—	φ3/4(19.05)	—	—	φ3/4(19.05)	
	Height,length		m	—	30/50	—	—	30/50	
Loading quantity		set	45/49	42/48	44/49	45/49	45/49	45/49	

Control System Lineup

Controlling system			U-Match		
			Product series	Fixed frequency series	Floor ceiling type
			Duct type	4-Way Cassette type	Floor ceiling type
					
Wireless remote controller		Y512 	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
		YB1F2 	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
		YX1F 	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Wired controller		Z4B351A 	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
		ZY512A 	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
		Z7A351A 	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
		Z4E351A 	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Smart zone controller		ZJ401A 	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
		CE50-24/E 	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other modules	Optoelectronic isolated converter	RS232-RS422/485 	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Optoelectronic isolated signal multiplier	RS-422/485 	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Long-distance monitoring software	Gree AC Eudemon 2009*	FE30-00(A)/M 	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
BMS accessories	Communication module (modbus)	ME30-00/E2 	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Note:

● means standard, ○ means optional.

* If Long-distance monitoring software Gree Eudemon 2009 is selected, the communication module ME30-00/E2 shall be selected also. The quantity of the module shall be confirm according to the quantity of outdoor units.