

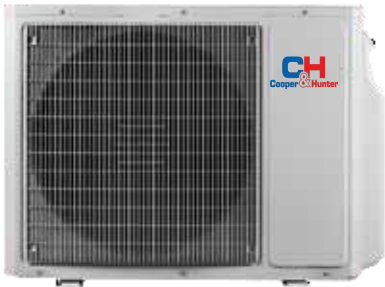


2012

Residential Air Conditioners

R410A/R134A
50Hz

Free Match



- Various Combinations

Different units for choices, the same comfortable feeling for you.
- G10 Inverter Technology

▪ Lower power consumption

▪ Lower noise, more comfort

▪ Precise temperature control
- 15°C Low Temperature Operation

Operate finely when cooling at -15°C.



Btu/h	7000	9000	12000	18000	21000	24000
Wall-mounted Type						
Floor ceiling						
Console						
Cassette						
Duct type						

8 combinations

	One unit	Two units	
	7	7 +7	7 +9
	9	7 +12	9 +9
	12	9+12	

GWHD(14)NK3BO(1 to 2)

8 combinations

	One unit	Two units	
	7	7+7	7+9
	9	7+12	9+9
	12	9+12	

GWHD(18)NK3DO(1 to 2)

10 combinations

	One unit	Two units
	7+7	7+9
	7+12	7+18
	9+9	9+12
	9+18	12+12
	12+18	12+18

GWHD(24)NK3DO(1 to 2)

23 combinations

	One unit	Two units		Three units		
		7+7	7+9	7+7+7	7+7+9	7+7+12
		7+12	7+18	7+7+18	7+9+9	7+9+12
		9+9	9+12	7+9+18	7+12+12	9+9+9
		9+18	12+12	9+9+12	9+9+18	9+12+12
		12+18	18+18	12+12+12		

GWHD(24)NK3EO(2 to 3)

39 combinations

	One unit	Two units		Three units			Four units		
		7+7	7+9	7+7+7	7+7+9	7+7+12	7+7+12	7+7+7+9	7+7+7+12
		7+12	7+18	7+7+18	7+9+9	7+9+12	7+9+12	7+7+9+9	7+7+9+12
		9+9	9+12	7+9+18	7+12+12	7+12+18	7+12+18	7+7+12+12	7+9+9+9
		9+18	12+12	9+9+9	9+9+12	9+9+18	9+9+18	9+9+9+9	9+9+9+12
		12+18	18+18	9+12+12	9+12+18	12+12+12	12+12+12		

GWHD(28)NK3BO(2 to 4)

98 combinations

	One unit	Two units		Three units			Four units		
		7+7	12+21	7+7+7	7+12+21	9+12+21	7+7+7	7+7+12+21	9+9+9+9
		7+9	12+24	7+7+9	7+12+24	9+12+24	7+7+7+9	7+7+18+18	9+9+9+12
		7+12	18+18	7+7+12	7+18+18	9+18+18	7+7+7+12	7+9+9+9	9+9+9+18
		7+18	18+21	7+7+18	7+18+21	9+18+21	7+7+7+18	7+9+9+12	9+9+9+21
		7+21	18+24	7+7+21	7+18+24	9+18+24	7+7+7+21	7+9+9+18	9+9+9+24
		7+24	21+21	7+7+24	7+21+21	9+21+21	7+7+7+24	7+9+9+21	9+9+12+12
		9+9	21+24	7+9+9	9+9+9	12+12+12	7+7+9+9	7+9+9+24	9+9+12+18
		9+12	24+24	7+9+12	9+9+12	12+12+18	7+7+9+12	7+9+12+12	9+9+12+21
		9+18		7+9+18	9+9+18	12+12+21	7+7+9+18	7+9+12+18	9+9+18+18
		9+21		7+9+21	9+9+21	12+12+24	7+7+9+21	7+9+12+21	9+12+12+12
		9+24		7+9+24	9+9+24	12+18+18	7+7+9+24	7+9+18+18	9+12+12+18
		12+12		7+12+12	9+12+12	12+18+21	7+7+12+12	7+12+12+12	12+12+12+12
		12+18		7+12+18	9+12+18	18+18+18	7+7+12+18	7+12+12+18	

GWHD(36)NK3AO(1 to 4)



203 combinations

	One unit		Two units		Three units			Four units			Five units		
 GWHHD(42)NK3AO(1 to 5)		7+7			7+7+7	9+9+21	18+18+24	7+7+7+7	7+9+9+24	9+9+12+12	7+7+7+7+7	7+7+9+12+21	9+9+9+9+18
		7+9			7+7+9	9+9+24	18+21+21	7+7+7+9	7+9+12+12	9+9+12+18	7+7+7+7+9	7+7+9+12+24	9+9+9+9+21
		7+12			7+7+12	9+12+12	21+21+21	7+7+7+12	7+9+12+18	9+9+12+21	7+7+7+7+12	7+7+9+18+18	9+9+9+9+24
		7+18			7+7+18	9+12+18		7+7+7+18	7+9+12+21	9+9+12+24	7+7+7+7+18	7+7+12+12+12	9+9+9+12+12
		7+21			7+7+21	9+12+21		7+7+7+21	7+9+12+24	9+9+18+18	7+7+7+7+21	7+7+12+12+18	9+9+9+12+18
		7+24			7+7+24	9+12+24		7+7+7+24	7+9+18+18	9+9+18+21	7+7+7+7+24	7+7+12+12+21	9+9+9+12+21
		9+9			7+9+9	9+18+18		7+7+9+9	7+9+18+24	9+9+18+24	7+7+7+9+9	7+7+12+18+18	9+9+9+18+18
		9+12			7+9+12	9+18+21		7+7+9+12	7+9+18+24	9+9+21+21	7+7+7+9+12	7+9+9+9+9	9+9+12+12+12
		9+18			7+9+18	9+18+24		7+7+9+18	7+9+21+21	9+12+12+12	7+7+7+9+18	7+9+9+9+12	9+9+12+12+18
		9+21			7+9+21	9+21+21		7+7+9+21	7+9+21+24	9+12+12+18	7+7+7+9+21	7+9+9+9+18	9+9+12+12+21
		9+24			7+9+24	9+21+24		7+7+9+24	7+12+12+12	9+12+12+21	7+7+7+9+24	7+9+9+9+21	9+12+12+12+12
		12+12			7+12+12	9+24+24		7+7+12+12	7+12+12+18	9+12+12+24	7+7+7+12+12	7+9+9+9+24	9+12+12+12+18
		12+18			7+12+18	12+12+12		7+7+12+18	7+12+12+21	9+12+18+18	7+7+7+12+18	7+9+9+12+12	12+12+12+12+12
		12+21			7+12+21	12+12+18		7+7+12+21	7+12+12+24	9+12+18+21	7+7+7+12+21	7+9+9+12+18	
		12+24			7+12+24	12+12+21		7+7+12+24	7+12+18+18	9+12+21+21	7+7+7+12+24	7+9+9+12+21	
		18+18			7+18+18	12+12+24		7+7+18+18	7+12+18+21	9+18+18+18	7+7+7+18+18	7+9+9+12+24	
		18+21			7+18+21	12+18+18		7+7+18+21	7+12+18+24	12+12+12+12	7+7+7+18+21	7+9+9+18+18	
		18+24			7+18+24	12+18+21		7+7+18+24	7+12+21+21	12+12+12+18	7+7+9+9+9	7+9+12+12+12	
		21+21			7+21+21	12+18+24		7+7+21+21	7+18+18+18	12+12+12+21	7+7+9+9+12	7+9+12+12+18	
		21+24			7+21+24	12+21+21		7+7+21+24	9+9+9+9	12+12+12+24	7+7+9+9+18	7+9+12+12+21	
		24+24			7+24+24	12+21+24		7+9+9+9	9+9+9+12	12+12+18+18	7+7+9+9+21	7+12+12+12+12	
					9+9+9	12+24+24		7+9+9+12	9+9+9+18	12+12+18+21	7+7+9+9+24	7+12+12+12+18	
					9+9+12	18+18+18		7+9+9+18	9+9+9+21		7+7+9+12+12	9+9+9+9+9	
					9+9+18	18+18+21		7+9+9+21	9+9+9+24		7+7+9+12+18	9+9+9+9+12	

Outdoor Unit

Model			GWHHD(14)NK3BO(1 to 2)	GWHHD(18)NK3DO(1 to 2)	GWHHD(24)NK3DO(1 to 2)	GWHHD(24)NK3EO(2 to 3)	GWHHD(28)NK3BO(2 to 4)	GWHHD(36)NK3AO(1 to 4)	GWHHD(42)NK3AO(1 to 5)
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	14000 (7000~16000)	17000 (7000~21200)	24000 (9200~28000)	24000 (7500~34100)	27296 (7500~34100)	33400 (10200~34100)	39500 (11900~46400)
	Heating	Btu/h	15000 (8500~18800)	19000 (8500~22700)	26000 (11900~32400)	29000 (12300~37500)	32000 (9600~37500)	37500 (15300~40900)	44300 (15300~47700)
EER/C.O.P			W/W 3.57/3.81	3.23/3.63	3.21/3.41	3.21/3.62	3.23/3.63	3.23/3.65	3.23/3.66
Power Supply		Ph,V,Hz	1Ph 220-240V~ 50Hz	1Ph 220-240V~ 50Hz	1Ph 220-240V~ 50Hz	1Ph 220-240V~ 50Hz	1Ph 220-240V~ 50Hz	220V~240V~50Hz	220V~240V~50Hz
Power Input	Cooling	W	1150 (500~2000)	1550 (500~2550)	2180 (750~4300)	2200 (650~4500)	2480 (650~4500)	3030 (1300~4600)	3590 (1300~4900)
	Heating	W	1180 (580~2000)	1540 (580~2700)	2260 (1000~4400)	2350 (980~3950)	2550 (980~3950)	3010 (1300~4140)	3545 (1300~4400)
Airflow Volume	Outdoor	m³/h	2600/2300/1600	2600/2300/1600	3300/2900/2400	3300/2900/2400	3300/2900/2400	3000	5500
Sound Pressure Level	Outdoor unit	dB(A)	56/53/50	56/53/50	58/54/52	58/54/52	59/56/53	54	54
Piping Connection	Gas	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ15.9	Φ15.9
	Liquid	mm	Φ6	Φ6	Φ6	Φ6	Φ6	Φ9.52	Φ9.52
Outline Dimension	WxHxD	mm	899x596x378	899x596x378	955x700x396	955x700x396	955x700x396	950x412x840	1015x440x1103
Package Dimension	WxHxD	mm	948x645x420	948x645x420	1029x750x458	1029x750x458	1029x750x458	1103x453x920	1158x493x1235
Net Weight/Gross Weight		kg	43/48	43/48	59/64	59/64	60/65	73/78	102/112
Loading Quantity	40' GP	sets	204	204	171	171	171	108	48
	40' HQ	sets	272	272	171	171	171	108	48

Note:
Outdoor unit for 36K BTU/h has 4 sets of piping connection:
① Φ15.9mm(Gas), Φ9.52mm(Liquid); ② Φ12.7mm(Gas), Φ6.35mm(Liquid); ③ Φ9.52mm(Gas), Φ6.35mm(Liquid);④ Φ9.52mm(Gas), Φ6.35mm(Liquid).
Outdoor unit for 42K BTU/h has 5 sets of piping connection:
① Φ15.9mm(Gas), Φ9.52mm(Liquid); ② Φ12.7mm(Gas), Φ6.35mm(Liquid); ③ Φ9.52mm(Gas), Φ6.35mm(Liquid); ④ Φ9.52mm(Gas), Φ6.35mm(Liquid); ⑤ Φ9.52mm(Gas), Φ6.35mm(Liquid).



Free Match Indoor Unit Wall-mounted Type-U-Cool

Model			GWH(09)UA-K3DNA1A/I		GWH(12)UB-K3DNA1A/I		GWH(18)UC-K3DNA1A/I	
Function			Cooling/Heating		Cooling/Heating		Cooling/Heating	
Capacity	Cooling	Btu/h	9000		12000		18000	
	Heating	Btu/h	9800		13000		19200	
Airflow Volume		m³/h	450		560		850	
Sound Pressure Level		dB(A)(SH/H/M/L/UL)	38/34/32/29/27/25/22		39/36/34/31/28/25/23		44/40/37/35/33/31/28	
Outline Dimension	WxHxD	mm	860×299×153		896X320X159		998X340X178	
Package Dimension	WxHxD	mm	944X386X247		973X403X255		1083X428X283	
Net Weight/Gross Weight		kg	9.5/12.5		11.5/14.5		15/19	
Loading Quantity	40'GP	sets	708		615		456	
	40'HQ	sets	782		696		522	

Free Match Indoor Unit Wall-mounted Type-Artful

Model			GWH(07)AA-K3DNA1B/I		GWH(09)AA-K3DNA1B/I		GWH(12)AB-K3DNA1B/I		GWH(18)AC-K3DNA1A/I	
Function			Cooling/Heating		Cooling/Heating		Cooling/Heating		Cooling/Heating	
Capacity	Cooling	Btu/h	7100		8900		12000		18000	
	Heating	Btu/h	8900		9500		13000		19800	
Airflow Volume		m³/h	420		450		550		840	
Sound Pressure Level		dB(A)(SH/H/M/L)	37/35/32/29/-		38/35/32/29/-		40/35/33/30/-		46/43/38/34/-	
Outline Dimension	WxHxD	mm	815x267x165		815x267x165		872x283x178		960x300x195	
Package Dimension	WxHxD	mm	893x347x275		893x347x275		938x378x275		1038x395x295	
Net Weight /Gross Weight		kg	10/13		10/13		11/15		13/18	
Loading Quantity	40'GP	sets	734		734		640		510	
	40'HQ	sets	820		820		735		574	

Free Match Indoor Unit Wall-mounted Type-Cozy

Model			GWH(07)MA-K3DNA3B/I	GWH(09)MA-K3DNA3B/I	GWH(12)MB-K3DNA3B/I	GWH(18)MC-K3DNA3B/I
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	7200	8900	11900	18100
	Heating	Btu/h	8900	9600	13000	19800
Airflow Volume		m³/h	450	500	630	850
Sound Pressure Level		dB(A)(SH/H/M/L)	36/34/31/28/-	37/34/31/28/-	38/34/32/30/-	46/43/40/36/-
Outline Dimension	WxHxD	mm	790x265x170	790x265x170	845x275x180	940x298x200
Package Dimension	WxHxD	mm	873x370x251	873x370x251	918x370x258	1013x395x288
Net Weight /Gross Weight		kg	9/12	9/12	10/13	13/17
Loading Quantity	40'GP	sets	762	762	722	558
	40'HQ	sets	840	840	806	619



Free Match Indoor Unit Wall-mounted Type-Change

Model			GVH(07)KF-K3DNA5D/I	GVH(09)KF-K3DNA5D/I	GWH(12)KF-K3DNA5D/I	GWH(18)KG-K3DNA5D/I
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	7200	8900	11900	18100
	Heating	Btu/h	8900	9600	13000	19800
Airflow Volume		m³/h	550	600	680	800
Sound Pressure Level		dB(A)(SH/H/M/L)	40/38/30/24/-	41/38/30/24/-	42/39/31/25/-	45/40/37/32/-
Outline Dimension	WxHxD	mm	770x283x201	770x283x201	770x283x201	865x305x215
Package Dimension	WxHxD	mm	844x342x261	844x342x261	844x342x261	948x383x310
Net Weight /Gross Weight		kg	8/11	8/11	9/12	12/16
Loading Quantity	40"GP	sets	810	810	810	544
	40"HQ	sets	900	900	900	618

Free Match Indoor Unit Wall-mounted Type-Viola

Model			GVH(07)RA-K3DNA1A/I	GVH(09)RA-K3DNA1A/I	GWH(12)RB-K3DNA1A/I	GWH(18)RC-K3DNA1A/I
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	7200	8900	11900	18100
	Heating	Btu/h	8900	9600	13000	19800
Airflow Volume		m³/h	500	500	630	850
Sound Pressure Level		dB(A)(SH/H/M/L)	40/37/35/32/-	40/37/35/32/-	42/39/36/33/-	45/42/37/33/-
Outline Dimension	WxHxD	mm	794x264.5x182	794x264.5x182	848x274x189	945x298x208
Package Dimension	WxHxD	mm	873x365x258	873x365x258	926x371x267	1013x300x383
Net Weight /Gross Weight		kg	9/12	9/12	10/13	13/17
Loading Quantity	40"GP	sets	720	720	664	546
	40"HQ	sets	840	840	742	613

Free Match Indoor Unit Floor Ceiling

Model			GTH(09)BA-K3DNA1A/I	GTH(12)BA-K3DNA1A/I	GTH(18)BA-K3DNA1A/I	GTH(24)BB-K3DNA2A/I
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	8530	11942	17060	24225.2
	Heating	Btu/h	2800	3850	5500	8000
Airflow Volume	Indoor	m³/h	550	600	700	1400
Sound Pressure Level	Indoor	dB(A)(H/L)	43	44	50	49
Outline Dimension	WxHxD	mm	1220x700x225	1220x700x225	1220x700x225	1220x700x225
Package Dimension	WxHxD	mm	1330x825x310	1330x825x310	1330x825x310	1330x825x310
Net Weight /Gross Weight		kg	35/40	35/40	35/40	35/40
Loading Quantity	40"GP	sets	132	132	132	132
	40"HQ	sets	132	132	132	132



Free Match Indoor Unit Console

Model			GEH(09)AA-K3DNA1B/I	GEH(12)AA-K3DNA1B/I	GEH(18)AA-K3DNA1B/I
Function			CooliCooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	8900	11900	18100
	Heating	Btu/h	9600	13000	19800
Airflow Volume		Indoor m³/h	480	550	650
Sound Pressure Level		Indoor ^{dB(A)} (SH/H/MH/MM/L/USL)	40/38/36/33/30/26/24	42/40/38/37/35/32/26	48/46/44/41/37/35/32
Outline Dimension	WxHxD	mm	700x600x215	700x600x215	700x600x215
Package Dimension	WxHxD	mm	788x697x283	788x697x283	788x697x283
Net Weight /Gross Weight		Indoor kg	15/18	15/18	15/18
Loading Quantity	40"GP	sets	392	392	392
	40"HQ	sets	454	454	454

Free Match Indoor Unit Cassette

Model			GKH(12)BA-K3DNA2A/I	GKH(18)BA-K3DNA2A/I	GKH(12)BA-K3DNA1A/I	GKH(18)BA-K3DNA1A/I	GKH(24)BA-K3DNA1A/I
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	11942	15354	3500	5000	7100
	Heating	Btu/h	13648	17060	3850	5500	8000
Airflow Volume	Indoor	m³/h	600	600	680	680	1180
Sound Pressure Level	Indoor	dB(A)(H/L)	47/41	47/41	42	42	45
Outline Dimension	WxHxD	mm	570x230x570	570x230x570	840x190x840	840x190x840	840x240x840
Package Dimension	WxHxD	mm	848x310x728	848x310x728	1040x115x1025	1040x115x1025	1040x115x1025
Net Weight/Gross Weight of Body		Indoor Kg	20/27	20/27	25/33	25/33	30/38
Panel							
Outline Dimension	WxHxD	mm	650x50x650	650x50x650	950x60x950	950x60x950	950x60x950
Package Dimension	WxHxD	mm	730x102x670	730x102x670	960x257x960	960x257x960	960x310x960
Net Weight/Gross Weight of Panel		Outdoor Kg	5/10	5/10	6.5/10	6.5/10	6.5/10
Loading Quantity	40"GP	sets	237	237	144	144	144
	40"HQ	sets	269	269	144	144	144

Free Match Indoor Unit Duct

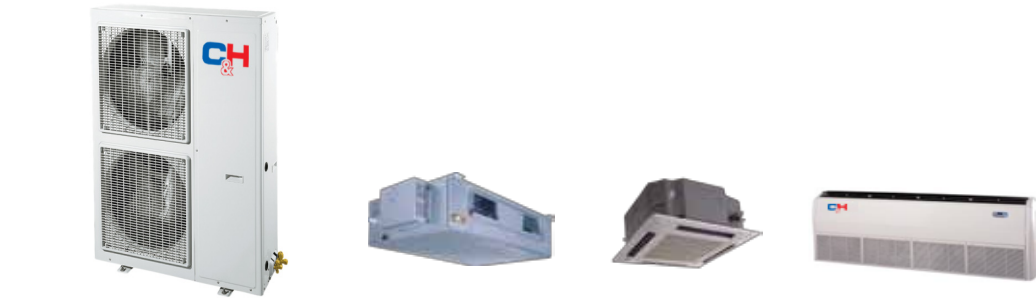
Model			GFH(09)EA-K3DNA1A/I	GFH(12)EA-K3DNA1A/I	GFH(18)EA-K3DNA1A/I	GFH(21)EA-K3DNA1A/I	GFH(24)EA-K3DNA1A/I
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	8530	11942	17060	20472	24225.2
	Heating	Btu/h	2800	3850	5500	6600	8000
Airflow Volume	Indoor	m³/h	450	550	700	1000	1000
Sound Pressure Level	Indoor	dB(A)(H/L)	37	39	40	42	42
Outline Dimension	WxHxD	mm	700x200x615	700x200x615	900x200x615	1100x200x615	1100x200x615
Package Dimension	WxHxD	mm	890x290x740	890x290x740	1120x290x740	1320x290x740	1320x290x740
Net Weight /Gross Weight		kg	22/27	24/29	25/30	29/35	29/35
Loading Quantity	40"GP	sets	234	234	192	162	162
	40"HQ	sets	234	234	192	162	162

Light Commercial

U-Match

Super Inverter 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.



Built-in drain pump

High efficiency

Intelligent defrosting

Anti-cold function

Comprehensive protection

Compact design

Easier maintainability

- Double ambient temperature sensor design makes a precision temperature monitoring.
- Low start-up current thanks to power delay control design.
- Higher efficiency thanks to sine wave DC inverter compressor control.
- High reliability and easy maintenance thanks to one piece integrated PCB board.
- Stable cooling under -15°C outdoor environment temperature (for the unit CUHD*C10).



Indoor Unit

Duct type	Cassette type	Floor ceiling type
• Drain pump fitted as standard with increased lift of 1100mm. • 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.	• 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.	• 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	-15~43(with low ambient cooling) 18~43(without low ambient cooling)
Heating	7	6	20	15	-15~24

Line up

Capacity Index (Btu/h)		9K	12K	18K	24K	30K
Outdoor Unit		 GUHD09NK3CO GUHD09NK3C10	 GUHD12NK3CO GUHD12NK3C10	 GUHD18NK3CO GUHD18NK3C10	 GUHD24NK3CO GUHD24NK3C10	 GUHD30NK3CO GUHD30NK3C10
Indoor Unit	Duct	 GFH09K3CI	 GFH12K3CI	 GFH18K3CI	 GFH24K3CI	 GFH30K3CI
	Cassette	—	 GKH12K3CI	 GKH18K3CI	 GKH24K3CI	 GKH30K3CI
	Floor Ceiling	 GTH09K3CI	 GTH12K3CI	 GTH18K3CI	 GTH24K3CI	 GTH30K3CI

Capacity Index (Btu/h)		36K	42K	48K	60K
Outdoor Unit		 GUHD36NK3CO GUHD36NK3C10 GUHD36NM3CO GUHD36NM3C10	 GUHD42NK3CO GUHD42NK3C10 GUHD42NM3CO GUHD42NM3C10	 GUHD48NK3CO GUHD48NK3C10	 GUHD60NM3CO GUHD60NM3C10
Indoor Unit	Duct	 GFH36K3CI	 GFH42K3CI	 GFH48K3CI	 GFH60K3CI
	Cassette	 GKH36K3CI	 GKH42K3CI	—	—
	Floor Ceiling	 GTH36K3CI	 GTH42K3CI	 GTH48K3CI	 GTH60K3CI



Model	Outdoor Unit			GUHD09NK3CO		GUHD12NK3CO		
	Indoor Unit			Duct	Floor Ceiling	Duct	Cassette	Floor Ceiling
				GFH09K3CI	GTH09K3CI	GFH12K3CI	GKH12K3CI	GTH12K3CI
Capacity	Cooling	W	2700(1150-3000)	3000(1600-3500)	3500(1600-3600)	3400(1600-3600)	3400(1600-3600)	
		Btu/h	9212(3924-10236)	10236(5459-11942)	12000(5459-12283)	11600(5459-12283)	11600(5459-12283)	
	Heating	W	2900(1000-3000)	3000(1400-3800)	3800(1600-4000)	3700(1600-4000)	3800(1360-4100)	
		Btu/h	9895(3412-10236)	10236(4777-12966)	13000(5499-13648)	12600(5459-13648)	13000(4640-13989)	
EER/COP			W/W	3.25/3.61	3.50/4.00	3.25/3.90	3.30/3.61	3.21/4.10
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	0.83(0.36-1.25)	0.857(0.49-1.18)	1.077(0.48-1.12)	1.03(0.43-1.35)	1.059(0.39-1.28)	
	Heating	kW	0.803(0.34-1.10)	0.75(0.43-1.08)	0.974(0.40-1.18)	1.025(0.39-1.20)	0.927(0.34-1.04)	
Current Input	Cooling	A	3.7(1.6-5.5)	3.8(2.2-5.2)	4.8(2.1-4.9)	4.6(1.9-5.9)	4.7(1.7-5.6)	
	Heating	A	3.6(1.5-4.8)	3.3(1.9-4.8)	4.3(1.8-5.2)	4.6(1.7-5.3)	4.1(1.5-4.6)	
Refrigerant Charge Volume			kg	1.20	1.20	1.35	1.35	1.35
Indoor Unit	Air Flow Volume		CFM	470/412/353	380/324/265	494/435/376	365/265/206	410/353/294
			m³/h	800/700/600	650/550/450	840/740/640	550/450/350	700/600/500
	ESP	Rated	Pa	25	—	25	—	—
		Range	Pa	0-25	—	0-25	—	—
	Sound Pressure Level (H/M/L)		dB(A)	37/35/33	39/37/35	37/35/33	47/45/43	39/37/35
	Dimension (WxDxH)	Outline	mm	880×665×250	1220×700×225	980×721×266	600×600×230	1220×700×225
		Package	mm	1023×748×320	1343×823×315	1123×798×323	851×681×325	1343×823×315
	Net Weight/Gross Weight		kg	26/32	40/49	34/41	20/27	40/49
Panel	Dimension (WxDxH)	Outline	mm	—	—	—	650×650×50	—
		Package	mm	—	—	—	673×733×117	—
	Net Weight/Gross Weight		kg	—	—	—	2.5/3.5	—
Outdoor Unit	Sound Pressure Level		dB(A)	53	53	54	54	54
	Dimension (WxDxH)	Outline	mm	776×320×540	776×320×540	776×320×540	776×320×540	776×320×540
		Package	mm	851×363×595	851×363×595	851×363×595	851×363×595	851×363×595
	Net Weight/Gross Weight		kg	28/32	28/32	30/34	30/34	30/34
Connection Pipe	Outer Diameter	Liquid	inch	Φ1/4	Φ1/4	Φ1/4	Φ1/4	Φ1/4
		Gas	inch	Φ3/8	Φ3/8	Φ3/8	Φ3/8	Φ3/8
	Max.distance		Height/Length	m	15/20	15/20	15/20	15/20
Loading Quantity		40'GP/40'HQ	—	127/141	102/116	116/133	123/157	102/116

Model	Outdoor Unit		GUHD18NK3CO			GUHD24NK3CO		
	Indoor Unit		Duct	Cassette	Floor Ceiling	Duct	Cassette	Floor Ceiling
			GFH18K3CI	GKH18K3CI	GTH18K3CI	GFH24K3CI	GKH24K3CI	GTH24K3CI
Capacity	Cooling	W	5300(1600-5800)	5300(1900-5500)	5300(1300-5500)	7000(2000-7700)	7000(2400-8300)	7000(3000-7800)
		Btu/h	18000(5460-19800)	18000(6500-18700)	18000(4400-18700)	24000(6800-26200)	24000(8100-28300)	24000(10200-26600)
	Heating	W	6150(1400-6500)	6150(1500-6600)	6150(1500-6600)	7500(2400-8000)	8000(2400-8500)	8000(2400-8500)
		Btu/h	21000(4700-22000)	21000(5100-22500)	21000(5100-22500)	25500(8100-27300)	27000(8100-29000)	27000(8100-29000)
EER/COP			W/W	3.21/3.62	3.21/3.62	3.21/3.62	3.21/3.62	3.21/3.62
Power Supply			PhV/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	1.65(0.55-1.75)	1.65(0.55-1.75)	1.65(0.55-1.75)	2.18(0.85-2.50)	2.18(0.85-2.50)	2.18(0.85-2.50)
	Heating	kW	1.70(0.50-1.90)	1.70(0.50-1.90)	1.70(0.50-1.90)	2.07(0.80-2.65)	2.21(0.80-2.78)	2.21(0.80-2.78)
Current Input	Cooling	A	7.0(2.3-7.5)	7.0(2.3-7.5)	7.0(2.3-7.5)	9.6(3.7-11.1)	9.6(3.7-11.1)	9.6(3.7-11.1)
	Heating	A	7.3(2.1-8.2)	7.3(2.1-8.2)	7.3(2.1-8.2)	9.1(3.5-11.8)	9.8(3.5-12.3)	9.8(3.5-12.3)
Refrigerant Charge Volume		kg	1.40	1.40	1.40	2.40	2.40	2.40
Indoor Unit	Air Flow Volume		CFM	586/470/353	695/636/589	530/470/412	942/824/706	706/618/530
			m³/h	1000/800/600	1180/1080/1000	900/800/700	1600/1400/1200	1200/1050/900
	ESP	Rated	Pa	25	—	—	25	—
		Range	Pa	0-25	—	—	0-100	—
	Sound Pressure Level (H/M/L)		dB(A)	42/38/36	47/45/43	45/42/39	47/44/42	52/49/46
	Dimension (WxDxH)	Outline	mm	980×721×266	840×840×240	1220×700×225	1270×530×268	840×840×240
Panel		Package	mm	1123×798×323	963×963×325	1343×823×315	1348×579×283	963×963×325
	Net Weight/Gross Weight		kg	34/41	27/36	42/51	37/43	43/52
	Dimension (WxDxH)	Outline	mm	—	950×950×60	—	—	950×950×60
Outdoor Unit		Package	mm	—	1028×1043×130	—	—	1028×1043×130
	Net Weight/Gross Weight		kg	—	6.5/10	—	—	6.5/10
	Sound Pressure Level		dB(A)	57	57	57	59	59
Connection Pipe	Dimension (WxDxH)	Outline	mm	955×396×700	955×396×700	955×396×700	980×427×790	980×427×790
		Package	mm	1029×458×750	1029×458×750	1029×458×750	1083×488×855	1083×488×855
	Net Weight/Gross Weight		kg	48/53	48/53	65/70	65/70	65/70
Connection Pipe	Outer Diameter	Liquid	inch	Φ1/4	Φ1/4	Φ1/4	Φ3/8	Φ3/8
		Gas	inch	Φ1/2	Φ1/2	Φ1/2	Φ5/8	Φ5/8
	Max.distance	Height/Length	m	15/20	15/20	15/20	15/30	15/30
Loading Quantity		40'GP/40'HQ	—	93/95	72/77	97/89	76/89	70/86



Model	Outdoor Unit		GUHD30NK3CO			GUHD36NK3CO		
	Indoor Unit		Duct	Cassette	Floor Ceiling	Duct	Cassette	Floor Ceiling
			GFH30K3CI	GKH30K3CI	GTH30K3CI	GFH36K3CI	GKH36K3CI	GTH36K3CI
Capacity	Cooling	W	8200(2700-8300)	8800(3000-9100)	8800(3100-9000)	10000(3500-11500)	10000(3000-11500)	10500(3500-13000)
		Btu/h	28000(9200-28300)	30000(10200-31000)	30000(10500-30700)	34120(11940-39238)	34120(10236-39238)	35826(11940-44356)
	Heating	W	8800(2000-9300)	9500(2500-9900)	9500(2700-9900)	11500(3800-12800)	11000(3500-12800)	11500(3500-12500)
		Btu/h	30000(6800-31700)	32400(8500-33700)	32400(9200-33700)	39238(12965-43670)	37532(11940-43670)	39238(11940-42650)
EER/COP			W/W	3.22/3.62	3.21/3.61	3.21/3.61	3.21/3.61	3.21/3.61
Power Supply			PhV/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	2.55(0.84-3.20)	2.74(0.85-2.98)	2.74(0.85-2.98)	3.115(1.38-4.18)	3.115(1.04-4.20)	3.27(1.08-4.04)
	Heating	kW	2.43(0.80-2.75)	2.63(0.70-2.72)	2.63(0.70-2.72)	3.18(1.24-3.68)	3.047(0.90-3.52)	3.18(0.95-3.84)
Current Input	Cooling	A	11.2(3.7-14.2)	12.1(3.7-13.2)	12.1(3.7-13.2)	13.8(6.1-18.4)	13.8(4.6-18.5)	14.5(4.7-17.7)
	Heating	A	10.7(3.5-12.2)	11.6(3.1-12.1)	11.6(3.1-12.1)	14.1(5.5-16.2)	13.5(3.9-15.5)	14.1(4.2-16.9)
Refrigerant Charge Volume		kg	2.60	2.60	2.60	3.80	3.80	3.80
Indoor Unit	Air Flow Volume		CFM	942/824/706	977/924/883	942/853/765	1353/1241/1088	977/924/883
			m³/h	1500/1300/1100	1660/1570/1500	1600/1450/1300	2300/2110/1850	1660/1570/1500
	ESP	Rated	Pa	37	—	—	37	—
		Range	Pa	0-100	—	—	0-150	—
	Sound Pressure Level (H/M/L)		dB(A)	47/44/42	53/51/48	50/48/46	53/50/46	54/51/48
	Dimension (WxDxH)	Outline	mm	1270×530×268	840×840×320	1420×700×245	1226×775×290	840×840×320
Panel		Package	mm	1348×597×283	963×963×409	1548×828×345	1338×877×305	963×963×409
	Net weight/Gross weight		kg	36/41	32/43	51/58	57/67	32/43
	Dimension (WxDxH)	Outline	mm	—	950×950×60	—	—	950×950×60
Outdoor Unit		Package	mm	—	1028×1043×130	—	—	1028×1043×130
	Net weight/Gross weight		kg	—	6.5/10	—	—	6.5/10
	Sound Pressure Level		dB(A)	59	59	59	61	61
Connection Pipe	Dimension (WxDxH)	Outline	mm	980×427×790	980×427×790	980×427×790	1107×440×1100	1107×440×1100
		Package	mm	1083×488×855	1083×488×855	1083×488×855	1158×493×1235	1158×493×1235
	Net Weight/Gross Weight		kg	68/74	68/74	68/74	90/101	90/101
Connection Pipe	Outer Diameter	Liquid	inch	Φ3/8	Φ3/8	Φ3/8	Φ3/8	Φ3/8
		Gas	inch	Φ5/8	Φ5/8	Φ5/8	Φ5/8	Φ5/8
	Max.distance	Height/Length	m	15/30	15/30	15/30	15/30	15/30
Loading Quantity		40'GP/40'HQ	—	76/89	49/69	57/67	45/49	46/46

Model	Outdoor Unit		GUHD36NM3CO			GUHD42NK3CO			
	Indoor Unit		Duct	Cassette	Floor Ceiling	Duct	Cassette	Floor Ceiling	
			GFH36K3CI	GKH36K3CI	GTH36K3CI	GFH42K3CI	GKH42K3CI	GTH42K3CI	
Capacity	Cooling	W	10300(3500-11500)	10000(3000-11500)	10500(3500-13000)	11000(3500-13000)	11000(3500-13000)	11500(3500-13000)	
		Btu/h	35140(11940-39238)	34120(10236-39238)	35800(11940-44356)	37530(11940-44350)	37530(11940-44350)	39238(11940-44350)	
	Heating	W	11500(3800-12800)	11000(3500-12800)	11500(3500-12500)	12500(3800-14500)	12000(3800-14500)	12500(3500-14200)	
		Btu/h	39238(12965-43670)	37532(11940-43670)	39238(11940-42650)	42650(12965-49470)	40944(12960-49470)	42650(11940-48450)	
EER/COP		W/W	3.21/3.61	3.21/3.61	3.21/3.61	3.21/3.61	3.21/3.61	3.21/3.61	
Power Supply		Ph/V/Hz	3/380-415/50	3/380-415/50	3/380-415/50	1/220-240/50	1/220-240/50	1/220-240/50	
Power Input	Cooling	kW	3.2(1.35-4.10)	3.115(1.02-4.10)	3.27(1.08-4.00)	3.42(0.86-4.15)	3.42(0.90-4.26)	3.58(0.85-4.06)	
	Heating	kW	3.18(1.22-3.68)	3.047(0.90-3.84)	3.180(0.96-3.75)	3.46(0.76-3.70)	3.324(0.79-4.08)	3.46(0.72-3.82)	
Current Input	Cooling	A	4.8(2.1-6.1)	4.6(1.6-6.1)	4.9(1.7-6.0)	15.2(3.8-18.2)	15.2(4.0-18.7)	15.88(3.7-17.8)	
	Heating	A	4.7(1.9-5.5)	4.5(1.4-5.7)	4.7(1.5-5.6)	15.1(3.3-16.3)	14.7(3.5-17.9)	15.35(3.2-16.8)	
Refrigerant Charge Volume		kg	3.80	3.80	3.80	3.80	3.80	3.80	
Indoor Unit	Air Flow Volume		CFM	1353/1241/1088	977/924/883	1176/959/895	1353/1241/1088	977/924/883	1176/959/895
			m³/h	2300/2110/1850	1660/1570/1500	2000/1630/1520	2300/2110/1850	1660/1570/1500	2000/1630/1520
	ESP	Rated	Pa	37	—	—	37	—	—
		Range	Pa	0-150	—	—	0-150	—	—
	Sound Pressure Level (H/M/L)		dB(A)	53/50/46	53/51/48	54/51/48	53/50/46	53/51/48	54/51/48
	Dimension (W×D×H)	Outline	mm	1226×775×290	840×840×320	1420×700×245	1226×775×290	840×840×320	1420×700×245
		Package	mm	1338×877×305	963×963×409	1548×828×345	1338×877×305	963×963×409	1548×828×345
	Net Weight/Gross Weight		kg	57/67	32/43	53/61	57/67	32/43	55/63
Panel	Dimension (W×D×H)	Outline	mm	—	950×950×60	—	—	950×950×60	—
		Package	mm	—	1028×1043×130	—	—	1028×1043×130	—
Net Weight/Gross Weight		kg	—	6.5/10	—	—	6.5/10	—	
Sound Pressure Level		dB(A)	61	61	61	61	61	61	
Outdoor Unit	Dimension (W×D×H)	Outline	mm	1107×440×1100	1107×440×1100	1107×440×1100	1107×440×1100	1107×440×1100	1107×440×1100
		Package	mm	1158×493×1235	1158×493×1235	1158×493×1235	1158×493×1235	1158×493×1235	1158×493×1235
	Net Weight/Gross Weight		kg	92/103	92/103	92/103	90/101	90/101	90/101
Connection Pipe	Outer Diameter	Liquid	inch	φ3/8	φ3/8	φ3/8	φ3/8	φ3/8	φ3/8
		Gas	inch	φ5/8	φ5/8	φ5/8	φ5/8	φ5/8	φ5/8
	Max.distance		Height/Length	m	15/30	15/30	15/30	30/50	30/50
Loading Quantity		40'GP/40'HQ	—	45/49	46/46	46/46	45/45	46/46	46/46



Model	Outdoor Unit		GUHD42NM3CO		GUHD48NK3CO		
	Indoor Unit		Duct	Cassette	Floor Ceiling	Duct	Floor Ceiling
			GFH42K3CI	GKH42K3CI	GTH42K3CI	GFH48K3CI	GTH48K3CI
Capacity	Cooling	W	1100(3500-13000)	1100(3500-13000)	1150(3500-13000)	1400(4900-14100)	1400(5000-14300)
		Btu/h	37530(11940-44350)	37530(11940-44350)	39238(11940-44350)	48000(16500-48000)	48000(17000-48620)
	Heating	W	12500(3800-14500)	12000(3800-14500)	12500(3500-14200)	16500(5300-18300)	16500(5200-18400)
		Btu/h	42650(12965-49470)	40944(12960-49470)	42650(11940-48450)	56300(18020-62220)	56300(17700-62600)
EER/COP			W/W	3.21/3.61	3.21/3.61	3.22/3.67	3.33/3.75
Power Supply			Ph/V/Hz	3/380-415/50	3/380-415/50	1/220-240/50	1/220-240/50
Power Input	Cooling	kW	3.42(1.34-4.52)	3.42(1.04-4.32)	3.58(1.08-4.26)	4.35(1.62-5.34)	4.20(1.15-4.98)
	Heating	kW	3.46(1.23-4.10)	3.320(0.92-4.02)	3.46(0.96-3.88)	4.50(1.46-5.34)	4.40(0.98-5.08)
Current Input	Cooling	A	5.5(2.1-6.8)	5.5(1.6-6.5)	5.6(1.7-6.4)	20.0(7.1-23.5)	20.0(5.1-21.8)
	Heating	A	5.5(1.9-6.1)	5.0(1.4-6.0)	5.4(1.5-5.8)	21.0(6.4-23.5)	21.0(4.3-22.3)
Refrigerant Charge Volume		kg	3.80	3.80	3.80	4.30	4.30
Indoor Unit	Air Flow Volume		CFM	1353/1241/1088	977/924/883	1176/959/895	1470/1353/1236
			m³/h	2300/2110/1850	1660/1570/1500	2000/1630/1520	2500/2300/2100
	ESP	Rated	Pa	37	—	—	—
		Range	Pa	0-150	—	—	—
	Sound Pressure Level (H/M/L)		dB(A)	53/50/46	53/51/48	54/51/48	53/50/46
	Dimension (W×D×H)	Outline	mm	1226×775×290	840×840×320	1420×700×245	1463×799×389
		Package	mm	1338×877×305	963×963×409	1548×828×345	1453×883×470
Panel	Net Weight/Gross Weight		kg	57/67	32/43	55/63	64/73
	Dimension (W×D×H)	Outline	mm	—	950×950×60	—	—
		Package	mm	—	1028×1043×130	—	—
Outdoor Unit	Net Weight/Gross Weight		kg	—	—	—	—
	Sound Pressure Level		dB(A)	61	61	61	61
Connection Pipe	Dimension (W×D×H)	Outline	mm	1107×440×1100	1107×440×1100	1107×440×1100	1085×427×1365
		Package	mm	1158×493×1235	1158×493×1235	1158×493×1235	1143×478×1505
	Net Weight/Gross Weight		kg	92/103	92/103	92/103	116/128
Loading Quantity	Outer Diameter	Liquid	inch	Φ3/8	Φ3/8	Φ3/8	Φ3/8
		Gas	inch	Φ5/8	Φ5/8	Φ5/8	Φ5/8
	Max. Distance	Height/Length	m	30/50	30/50	30/50	30/50
Loading Quantity		40'GP/40'HQ	—	45/49	46/46	46/46	41/46

Model	Outdoor Unit		GUHD48NM3CO		GUHD60NM3CO	
	Indoor Unit		Duct	Floor Ceiling	Duct	Floor Ceiling
			GFH48K3CI	GTH48K3CI	GFH60K3CI	GTH60K3CI
Capacity	Cooling	W	14000(4900-14100)	14000(5000-14300)	17000(4000-17500)	16000(4000-16500)
		Btu/h	48000(16500-48000)	48000(17000-48620)	58000(13600-59700)	54500(13600-56300)
	Heating	W	16500(5300-18300)	16500(5200-18400)	18000(5000-18800)	17500(4500-18300)
		Btu/h	56300(18020-62220)	56300(17700-62600)	61400(17000-64100)	59700(15300-62400)
EER/COP			W/W	3.22/3.67	3.21/3.61	3.21/3.62
Power Supply			Ph/V/Hz	3/380-415/50	3/380-415/50	3/380-415/50
Power Input	Cooling	kW	4.35(1.60-5.36)	4.20(1.42-5.14)	5.29(1.68-6.38)	4.98(1.52-6.04)
	Heating	kW	4.50(1.44-5.32)	4.40(1.28-5.25)	4.98(1.40-5.46)	4.84(1.29-6.33)
Current Input	Cooling	A	6.4(2.5-8.0)	6.21(2.2-7.7)	7.8(2.6-9.5)	7.4(2.3-9.0)
	Heating	A	6.7(2.2-8.0)	6.5(2.0-7.8)	7.4(2.2-8.2)	7.2(2.0-9.5)
Refrigerant Charge Volume		kg	4.30	4.30	5.50	5.50
Indoor Unit	Air Flow Volume		CFM	1470/1353/1236	1353/1236/1118	1854
			m³/h	2500/2300/2100	2300/2100/1900	3150/2900/2600
	ESP	Rated	Pa	50	—	50
		Range	Pa	0-150	—	0-150
	Sound Pressure Level (H/M/L)		dB(A)	53/50/46	58/55/52	54/51/48
	Dimension (W×D×H)	Outline	mm	1226×815×330	1700×700×245	1226×815×330
		Package	mm	1338×925×345	1828×828×345	1338×925×345
Panel	Net Weight/Gross Weight		kg	64/73	64/72	87/115
	Dimension (W×D×H)	Outline	mm	—	—	—
		Package	mm	—	—	—
Outdoor Unit	Net Weight/Gross Weight		kg	—	—	—
	Sound Pressure Level		dB(A)	61	63	63
Connection Pipe	Dimension (W×D×H)	Outline	mm	1085×427×1365	1085×427×1365	1085×427×1365
		Package	mm	1143×478×1505	1143×478×1505	1143×478×1505
	Net Weight/Gross Weight		kg	116/128	116/128	121/133
Loading Quantity	Outer Diameter	Liquid	inch	Φ3/8	Φ3/8	Φ3/8
		Gas	inch	Φ5/8	Φ5/8	Φ3/4
	Max. Distance	Height/Length	m	30/50	30/50	30/50
Loading Quantity		40'GP/40'HQ	—	40/48	41/46	34/35



Low Ambient Cooling

Model	Outdoor Unit		GUHD09NK3C1O		GUHD12NK3C1O		
	Indoor Unit		Duct	Floor Ceiling	Duct	Cassette	Floor Ceiling
			GFH09K3CI	GTH09K3CI	GFH12K3CI	GKH12K3CI	GTH12K3CI
Capacity	Cooling	W	2700(1150-3000)	3000(1600-3500)	3500(1600-3600)	3400(1600-3600)	3400(1600-3600)
		Btu/h	9212(3924-10236)	10236(5459-11942)	12000(5459-12283)	11600(5459-12283)	11600(5459-12283)
	Heating	W	2900(1000-3000)	3000(1400-3800)	3800(1600-4000)	3700(1600-4000)	3800(1360-4100)
		Btu/h	9895(3412-10236)	10236(4777-12966)	13000(5499-13648)	12600(5459-13648)	13000(4640-13989)
EER/COP			W/W	3.25/3.61	3.50/4.00	3.25/3.90	3.30/3.61
Power Supply			Ph/V/Hz	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50
Power Input	Cooling	kW	0.83(0.45-1.20)	0.857(0.40-1.20)	1.077(0.48-1.40)	1.03(0.45-1.40)	1.059(0.48-1.40)
	Heating	kW	0.803(0.45-1.20)	0.75(0.40-1.20)	0.974(0.45-1.20)	1.025(0.4-1.20)	0.927(0.45-1.20)
Current Input	Cooling	A	3.7(2.1-5.5)	3.8(1.8-5.5)	4.8(2.2-6.4)	4.6(2.1-6.4)	4.7(2.2-6.4)
	Heating	A	3.6(2.1-5.5)	3.3(1.8-5.5)	4.3(2.1-5.5)	4.6(1.8-5.5)	4.1(2.1-5.5)
Refrigerant Charge Volume		kg	1.20	1.20	1.25	1.25	1.25
Indoor Unit	Air Flow Volume		CFM	470/412/353	380/324/265	494/435/376	365/265/206
			m³/h	800/700/600	650/550/450	840/740/640	550/450/350
	ESP	Rated	Pa	25	—	25	—
		Range	Pa	0-25	—	0-25	—
	Sound Pressure Level (H/M/L)		dB(A)	37/35/33	39/37/35	37/35/33	47/45/43
	Dimension (W×D×H)	Outline	mm	880×665×250	1220×700×225	980×721×266	600×600×230
		Package	mm	1023×748×320	1343×823×315	1123×798×323	851×861×325
Panel	Net Weight/Gross Weight		kg	26/32	40/49	34/41	20/27
	Dimension (W×D×H)	Outline	mm	—	—	—	650×650×50
		Package	mm	—	—	—	673×733×117
Outdoor Unit	Net Weight/Gross Weight		kg	—	—	—	2.5/3.5
	Sound Pressure Level		dB(A)	53	53	54	54
Connection Pipe	Dimension (W×D×H)	Outline	mm	848×320×540	848×320×540	848×320×540	848×320×540
		Package	mm	1023×363×595	1023×363×595	881×363×595	881×363×595
	Net Weight/Gross Weight		kg	33/37	33/37	33/37	33/37
Loading Quantity	Outer Diameter	Liquid	inch	Φ1/4	Φ1/4	Φ1/4	Φ1/4
		Gas	inch	Φ3/8	Φ3/8	Φ3/8	Φ3/8
	Max. Distance	Height/Length	m	15/20	15/20	15/20	15/20
Loading Quantity		40'GP/40'HQ	—	126/141	96/112	114/131	128/144

Model	Outdoor Unit		GUHD18NK3C1O			GUHD24NK3C1O		
	Indoor Unit		Duct	Cassette	Floor Ceiling	Duct	Cassette	Floor Ceiling
			GFH18K3CI	GKH18K3CI	GTH18K3CI	GFH24K3CI	GKH24K3CI	GTH24K3CI
Capacity	Cooling	W	5300(1600-5800)	5300(1900-5500)	5300(1300-5500)	7000(2000-7700)	7000(2400-8300)	7000(3000-7800)
		Btu/h	18000(5460-19800)	18000(6500-18700)	18000(4400-18700)	24000(6800-26200)	24000(8100-28300)	24000(10200-26600)
	Heating	W	6150(1400-6500)	6150(1500-6600)	6150(1500-6600)	7500(2400-8000)	8000(2400-8500)	8000(2400-8500)
		Btu/h	21000(4700-22000)	21000(5100-22500)	21000(5100-22500)	25500(8100-27300)	27000(8100-29000)	27000(8100-29000)
EER/COP		W/W	3.21/3.62	3.21/3.62	3.21/3.62	3.21/3.62	3.21/3.62	3.21/3.62
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	1.65(0.55-1.75)	1.65(0.55-1.75)	1.65(0.55-1.75)	2.18(0.85-2.50)	2.18(0.85-2.50)	2.18(0.85-2.50)
	Heating	kW	1.70(0.50-1.90)	1.70(0.50-1.90)	1.70(0.50-1.90)	2.07(0.80-2.65)	2.21(0.80-2.78)	2.21(0.80-2.78)
Current Input	Cooling	A	7.0(2.3-7.5)	7.0(2.3-7.5)	7.0(2.3-7.5)	9.6(3.7-11.1)	9.6(3.7-11.1)	9.6(3.7-11.1)
	Heating	A	7.3(2.1-8.2)	7.3(2.1-8.2)	7.3(2.1-8.2)	9.1(3.5-11.8)	9.8(3.5-12.3)	9.8(3.5-12.3)
Refrigerant Charge Volume		kg	1.40	1.40	1.40	2.40	2.40	2.40
Indoor Unit	Air Flow Volume		CFM	586/470/353	695/636/589	530/470/412	942/824/706	824/747/689
			m³/h	1000/800/600	1180/1080/1000	900/800/700	1600/1400/1200	1400/1270/1170
	ESP	Rated	Pa	25	—	—	25	—
		Range	Pa	0-25	—	—	0-100	—
	Sound Pressure Level (H/M/L)		dB(A)	42/38/36	47/45/43	45/42/39	47/44/42	51/49/48
	Dimension (WxDxH)	Outline	mm	980x721x266	840x840x240	1220x700x225	1270x530x268	840x840x240
		Package	mm	1123x798x323	963x963x325	1343x823x315	1348x597x283	963x963x325
	Net Weight/Gross Weight		kg	34/41	27/36	42/51	37/43	27/36
Panel	Dimension (WxDxH)	Outline	mm	—	950x950x60	—	—	950x950x60
		Package	mm	—	1028x1043x130	—	—	1028x1043x130
	Net Weight/Gross Weight		kg	—	6.5/10	—	—	6.5/10
Outdoor Unit	Sound Pressure Level		dB(A)	57	57	57	59	59
	Dimension (WxDxH)	Outline	mm	955x396x700	955x396x700	955x396x700	980x427x790	980x427x790
		Package	mm	1029x458x750	1029x458x750	1029x458x750	1083x488x855	1083x488x855
	Net Weight/Gross Weight		kg	46/51	46/51	46/51	65/70	65/70
Connection Pipe	Outer Diameter	Liquid	inch	φ1/4	φ1/4	φ1/4	φ3/8	φ3/8
		Gas	inch	φ1/2	φ1/2	φ1/2	φ5/8	φ5/8
	Max. Distance		Height/Length	m	15/20	15/20	15/20	15/30
Loading Quantity		40° GP/40° HQ	—	93/95	72/77	97/89	76/89	64/71



Model	Outdoor Unit		GUHD30NK3C10			GUHD36NK3C10		
	Indoor Unit		Duct	Cassette	Floor Ceiling	Duct	Cassette	Floor Ceiling
			GFH30K3CI	GKH30K3CI	GTH30K3CI	GFH36K3CI	GKH36K3CI	GTH36K3CI
Capacity	Cooling	W	8200(2700-8300)	8800(3000-9100)	8800(3100-9000)	10000(3500-11500)	10000(3000-11500)	10500(3500-13000)
		Btu/h	28000(9200-28300)	30000(10200-31000)	30000(10500-30700)	34100(11940-39238)	34100(10236-39238)	35800(11940-44356)
	Heating	W	8800(2000-9300)	9500(2500-9900)	9500(2700-9900)	11000(3800-12800)	11000(3500-12800)	11200(3500-12500)
		Btu/h	30000(6800-31700)	32400(8500-33700)	32400(9200-33700)	37500(12965-43670)	37500(11940-43670)	38200(11940-42650)
EER/COP			WWW	3.22/3.62	3.21/3.61	3.21/3.61	3.21/3.61	3.21/3.61
Power Supply			PhV/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	2.55(0.84-3.20)	2.74(0.85-2.98)	2.74(0.85-2.98)	3.115(1.38-4.18)	3.115(1.04-4.20)	3.27(1.08-4.04)
	Heating	kW	2.43(0.80-2.75)	2.63(0.70-2.72)	2.63(0.70-2.72)	3.047(1.24-3.68)	3.047(0.90-3.52)	3.10(0.95-3.84)
Current Input	Cooling	A	11.2(3.7-14.2)	12.1(3.7-13.2)	12.1(3.7-13.2)	14.6(6.1-18.4)	14.6(4.6-18.5)	14.9(4.7-17.7)
	Heating	A	10.7(3.5-12.2)	11.6(3.1-12.1)	11.6(3.1-12.1)	14.6(5.5-16.2)	13.7(3.9-15.5)	14.5(4.2-16.9)
Refrigerant Charge Volume		kg	2.60	2.60	2.60	3.80	3.80	3.80
Indoor Unit	Air Flow Volume		CFM	942/824/706	977/924/883	942/853/765	1353/1241/1088	977/924/883
			m³/h	1500/1300/1100	1660/1570/1500	1600/1450/1300	2300/2110/1850	1660/1570/1500
	ESP	Rated	Pa	37	—	—	37	—
		Range	Pa	0-100	—	—	0-150	—
	Sound Pressure Level (H/M/L)		dB(A)	47/44/42	53/51/48	50/48/46	53/50/46	53/51/48
	Dimension (WxDxH)	Outline	mm	1270×530×268	840×840×320	1420×700×245	1226×775×290	840×840×320
		Package	mm	1348×597×283	963×963×409	1548×828×345	1338×877×305	963×963×409
Panel	Net Weight/Gross Weight		kg	36/41	32/43	51/58	57/67	32/43
	Dimension (WxDxH)	Outline	mm	—	950×950×60	—	—	950×950×60
		Package	mm	—	1028×1043×130	—	—	1028×1043×130
	Net Weight/Gross Weight		kg	—	6.5/10	—	—	6.5/10
Outdoor Unit	Sound Pressure Level		dB(A)	59	59	59	61	61
	Dimension (WxDxH)	Outline	mm	980×427×790	980×427×790	980×427×790	1107×440×1100	1107×440×1100
		Package	mm	1083×488×855	1083×488×855	1083×488×855	1158×493×1235	1158×493×1235
	Net Weight/Gross Weight		kg	68/74	68/74	68/74	89/100	89/100
Connection Pipe	Outer Diameter	Liquid	inch	Φ3/8	Φ3/8	Φ3/8	Φ3/8	Φ3/8
		Gas	inch	Φ5/8	Φ5/8	Φ5/8	Φ5/8	Φ5/8
	Max.distance	Height/Length	m	15/30	15/30	15/30	15/30	15/30
Loading Quantity		40"GP/40"HQ	—	76/89	49/69	57/67	45/49	46/46

Model	Outdoor Unit		GUHD36NM3C10			GUHD42NK3C10		
	Indoor Unit		Duct	Cassette	Floor Ceiling	Duct	Cassette	Floor Ceiling
			GFH36K3CI	GKH36K3CI	GTH36K3CI	GFH42K3CI	GKH42K3CI	GTH42K3CI
Capacity	Cooling	W	10000(3500-11500)	10000(3000-11500)	10500(3500-13000)	11000(3500-13000)	11000(3500-13000)	11500(3500-13000)
		Btu/h	34100(11940-39238)	34100(10236-39238)	35800(11940-44356)	37530(11940-44350)	37530(11940-44350)	39238(11940-44350)
	Heating	W	11000(3800-12800)	11000(3500-12800)	11200(3500-12500)	12000(3800-14500)	12000(3800-14500)	12500(3500-14200)
		Btu/h	37500(12965-43670)	37500(11940-43670)	38200(11940-42650)	40944(12965-49470)	40944(12960-49470)	42650(11940-48450)
EER/COP			WWW	3.21/3.61	3.21/3.61	3.21/3.61	3.21/3.61	3.21/3.61
Power Supply			PhV/Hz	3/380-415/50	3/380-415/50	3/380-415/50	1/220-240/50	1/220-240/50
Power Input	Cooling	kW	3.115(1.35-4.10)	3.115(1.02-4.10)	3.27(1.08-4.00)	3.426(0.86-4.15)	3.426(0.90-4.26)	3.58(0.85-4.06)
	Heating	kW	3.047(1.22-3.68)	3.047(0.90-3.84)	3.10(0.96-3.75)	3.30(0.76-3.70)	3.30(0.79-4.08)	3.46(0.72-3.82)
Current Input	Cooling	A	4.8(2.1-6.1)	4.8(1.6-6.1)	4.9(1.7-6.0)	15.2(3.8-18.2)	15.2(4.0-18.7)	15.88(3.7-17.8)
	Heating	A	4.7(1.9-5.5)	4.7(1.4-5.7)	4.6(1.5-5.6)	14.64(3.3-16.3)	14.64(3.5-17.9)	15.35(3.2-16.8)
Refrigerant Charge Volume		kg	3.80	3.80	3.80	3.80	3.80	3.80
Indoor Unit	Air Flow Volume		CFM	1353/1241/1088	977/924/883	1176/959/895	1353/1241/1088	977/924/883
			m³/h	2300/2110/1850	1660/1570/1500	2000/1630/1520	2300/2110/1850	1660/1570/1500
	ESP	Rated	Pa	37	—	—	37	—
		Range	Pa	0-150	—	—	0-150	—
	Sound Pressure Level (H/M/L)		dB(A)	53/50/46	53/51/48	54/51/48	53/50/46	53/51/48
	Dimension (WxDxH)	Outline	mm	1226×775×290	840×840×320	1420×700×245	1226×775×290	840×840×320
		Package	mm	1338×877×305	963×963×409	1548×828×345	1338×877×305	963×963×409
Panel	Net Weight/Gross Weight		kg	57/67	32/43	53/61	57/67	32/43
	Dimension (WxDxH)	Outline	mm	—	950×950×60	—	—	950×950×60
		Package	mm	—	1028×1043×130	—	—	1028×1043×130
	Net Weight/Gross Weight		kg	—	6.5/10	—	—	6.5/10
Outdoor Unit	Sound Pressure Level		dB(A)	61	61	61	61	61
	Dimension (WxDxH)	Outline	mm	1107×440×1100	1107×440×1100	1107×440×1100	1107×440×1100	1107×440×1100
		Package	mm	1158×493×1235	1158×493×1235	1158×493×1235	1158×493×1235	1158×493×1235
	Net Weight/Gross Weight		kg	88/99	88/99	88/99	89/100	89/100
Connection Pipe	Outer Diameter	Liquid	inch	Φ3/8	Φ3/8	Φ3/8	Φ3/8	Φ3/8
		Gas	inch	Φ5/8	Φ5/8	Φ5/8	Φ5/8	Φ5/8
	Max.distance	Height/Length	m	15/30	15/30	15/30	30/50	30/50
Loading Quantity		40"GP/40"HQ	—	45/49	46/46	46/46	45/49	46/46



Model	Outdoor Unit		GUHD42NM3C10			GUHD48NK3C10	
	Indoor Unit		Duct	Cassette	Floor Ceiling	Duct	Floor Ceiling
			GFH42K3CI	GKH42K3CI	GTH42K3CI	GFH48K3CI	GTH48K3CI
Capacity	Cooling	W	11000(3500-13000)	11000(3500-13000)	11300(3500-13000)	14000(5000-14300)	14000(5000-14300)
		Btu/h	37530(11940-44350)	37530(11940-44350)	38555(11940-44350)	48000(17000-48800)	48000(17000-48800)
	Heating	W	12000(3800-14500)	12000(3800-14500)	12500(3500-14200)	16000(5200-18000)	16000(5200-18000)
		Btu/h	40944(12965-49470)	40944(12960-49470)	42650(11940-48450)	54600(17700-61400)	54600(17700-61400)
EER/COP			WWW	3.21/3.61	3.21/3.61	3.21/3.61	3.21/3.61
Power Supply			PhV/Hz	3/380-415/50	3/380-415/50	3/380-415/50	1/220-240/50
Power Input	Cooling	kW	3.425(1.34-4.52)	3.425(1.04-4.32)	3.520(1.08-4.26)	4.36(1.62-5.34)	4.36(1.15-4.98)
	Heating	kW	3.32(1.23-4.10)	3.30(0.92-4.02)	3.460(0.96-3.88)	4.43(1.46-5.34)	4.43(0.98-5.08)
Current Input	Cooling	A	5.5(2.1-6.8)	5.4(1.6-6.5)	5.2(1.7-6.4)	20.0(7.1-23.5)	20.0(5.1-21.8)
	Heating	A	4.88(1.9-6.1)	4.88(1.4-6.0)	5.12(1.5-5.8)	21.0(6.4-23.5)	21.0(4.3-22.3)
Refrigerant Charge Volume		kg	3.80	3.80	3.80	4.30	4.30
Indoor Unit	Air Flow Volume		CFM	1353/1241/1088	977/924/883	1176/959/895	1470/1353/1236
			m³/h	2300/2110/1850	1660/1570/1500	2000/1630/1520	2500/2300/2100
	ESP	Rated	Pa	37	—	—	50
		Range	Pa	0-150	—	—	0-150
	Sound Pressure Level (H/M/L)		dB(A)	53/50/46	53/51/48	54/51/48	53/50/46
	Dimension (WxDxH)	Outline	mm	1226×775×290	840×840×320	1420×700×245	1226×815×330
		Package	mm	1338×877×305	963×963×409	1548×828×345	1338×925×345
Panel	Net Weight/Gross Weight		kg	57/67	32/43	55/63	64/73
	Dimension (WxDxH)	Outline	mm	—	950×950×60	—	—
		Package	mm	—	1028×1043×130	—	—
	Net Weight/Gross Weight		kg	—	6.5/10	—	—
Outdoor Unit	Sound Pressure Level		dB(A)	61	61	61	61
	Dimension (WxDxH)	Outline	mm	1107×440×1100	1107×440×1100	1107×440×1100	1085×427×1365
		Package	mm	1158×493×1235	1158×493×1235	1158×493×1235	1143×478×1505
	Net Weight/Gross Weight		kg	88/99	88/99	88/99	116/128
Connection Pipe	Outer Diameter	Liquid	inch	Φ3/8	Φ3/8	Φ3/8	Φ3/8
		Gas	inch	Φ5/8	Φ5/8	Φ5/8	Φ5/8
	Max.distance	Height/Length	m	30/50	30/50	30/50	30/50
Loading Quantity		40"GP/40"HQ	—	45/49	46/46	46/46	40/48

Model	Outdoor Unit			GUHD48NM3C10		GUHD60NM3C10	
	Indoor Unit			Duct	Floor Ceiling	Duct	Floor Ceiling
				GFH48K3CI	GTH48K3CI	GFH60K3CI	GTH60K3CI
Capacity	Cooling	W	14000(5000-14300)	14000(5000-14300)	17000(4000-17500)	16000(4000-16500)	
		Btu/h	48000(17000-48620)	48000(17000-48620)	58000(13600-59700)	54500(13600-56300)	
	Heating	W	16000(5200-18000)	16000(5200-18000)	18000(5000-18800)	17500(4500-18300)	
		Btu/h	54600(17700-61400)	54600(17700-61400)	61400(17000-64100)	59700(15300-62400)	
EER/COP		W/W	3.21/3.61	3.21/3.61	3.21/3.61	3.21/3.62	
Power Supply		Ph/V/Hz	3/380-415/50	3/380-415/50	3/380-415/50	3/380-415/50	
Power Input	Cooling	kW	4.36(1.60-5.36)	4.36(1.42-5.14)	5.29(1.68-6.38)	4.98(1.52-6.04)	
	Heating	kW	4.43(1.44-5.32)	4.43(1.28-5.25)	4.98(1.40-5.46)	4.84(1.29-6.33)	
Current Input	Cooling	A	6.4(2.5-8.0)	6.21(2.2-7.7)	7.8(2.6-9.5)	7.4(2.3-9.0)	
	Heating	A	6.7(2.2-8.0)	6.5(2.0-7.8)	7.4(2.2-8.2)	7.2(2.0-9.5)	
Refrigerant Charge Volume		kg	4.30	4.30	5.50	5.50	
Indoor Unit	Air Flow Volume		CFM	1470/1353/1236	1353/1236/1118	1854	1353/1236/1118
			m³/h	2500/2300/2100	2300/2100/1900	3150/2900/2600	2300/2100/1900
	ESP	Rated	Pa	50	—	50	—
		Range	Pa	0-150	—	0-150	—
	Sound Pressure Level (H/M/L)		dB(A)	53/50/46	58/55/52	54/51/48	58/55/52
	Dimension (WxDxH)	Outline	mm	1226x815x330	1700x700x245	1463x799x389	1700x700x245
		Package	mm	1338x925x345	1828x828x345	1453x883x470	1828x828x345
	Net Weight/gross Weight		kg	64/73	64/72	87/115	65/73
Panel	Dimension (WxDxH)	Outline	mm	—	—	—	—
		Package	mm	—	—	—	—
	Net Weight/gross Weight		kg	—	—	—	—
Outdoor Unit	Sound Pressure Level		dB(A)	61	61	63	63
	Dimension (WxDxH)	Outline	mm	1085x427x1365	1085x427x1365	1085x427x1365	1085x427x1365
		Package	mm	1143x478x1505	1143x478x1505	1143x478x1505	1143x478x1505
	Net Weight/gross Weight		kg	116/128	116/128	118/130	118/130
Connection Pipe	Outer Diameter	Liquid	inch	Φ3/8	Φ3/8	Φ3/8	Φ3/8
		Gas	inch	Φ5/8	Φ5/8	Φ3/4	Φ3/4
	Max.distance	Height/Length	m	30/50	30/50	30/50	30/50
Loading Quantity		40°GP/40°HQ	—	40/48	41/46	34/35	41/46

Light Commercial

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

- Double ambient temperature sensor design makes a precision temperature monitoring.
- Low start-up current thanks to power delay control design.



Indoor Unit

Duct type	Cassette type	Floor ceiling type
• 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.	• 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.	• 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)	
Cooling	35	24	27	19	-7~43(with low ambient cooling) 18~43(without low ambient cooling)
Heating	7	6	20	15	-15~24

Line up

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

Capacity Index (Btu/h)		30K	36K	42K	48K	60K
Outdoor Unit		 GUHN30NK3AO	 GUHN36NK3AO GUHN36NM3AO	 GUHN42NM3AO	 GUHN48NM3AO	 GUHN60NM3AO
Indoor Unit	Duct	 GFH30K3BI	 GFH36K3BI	 GFH42K3BI	 GFH48K3BI	 GFH60K3BI
	Cassette	 GKH30K3BI	 GKH36K3BI	 GKH42K3BI	 GKH48K3BI	—
	Floor Ceiling	 GTH30K3BI1	 GTH36K3BI	 GTH42K3BI	 GTH48K3BI	—



Model	Outdoor Unit		GUHN09NK3AO		GUHN12NK3AO		
	Indoor Unit		Duct	Floor Ceiling	Duct	Casstee	Floor Ceiling
			GFH09K3BI	GTH09K3BI	GFH12K3BI	GKH12K3BI	GTH12K3BI
Capacity	Cooling	W	2600	2600	3500	3500	3500
		Btu/h	8900	8900	11900	11900	11900
	Heating	W	2850	2850	3600	3600	3600
		Btu/h	9700	9700	12300	12300	12300
EER/COP	W/W		2.60/2.94	2.60/2.85	2.92/3.27	2.99/3.27	2.99/3.27
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	1.20	1.17	1.17
	Heating	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
	Heating	A	4.3	4.5	5.1	5.1	5.1
Refrigerant Charge Volume	kg		1.1	1.1	1	1	1
Indoor Unit	Air Flow Volume	m³/h	550/470/400	550/470/380	600/540/490	550/490/420	550/470/380
		CFM	324/276/235	324/277/224	353/318/288	324/288/247	324/277/224
	Sound Pressure Level(H/M/L)		dB(A)	37/36/34	47/44/41	40/38/36	47/44/41
	Dimension (WxDxH)	Outline	mm	913×680×220	836×695×238	913×680×220	836×695×238
		Package	mm	995×750×273	935×805×295	995×750×273	935×805×295
	Net Weight /Gross Weight		kg	24/29	25/32	25/30	26/33
Panel	Dimension (WxDxH)	Outline	mm	—	—	650×650×50	—
		Package	mm	—	—	670×730×102	—
	Net Weight/Gross Weight		kg	—	—	2.5/3.5	—
Outdoor Unit	Sound Pressure Level		dB(A)	55	55	56	56
	Dimension (WxDxH)	Outline	mm	820×320×540	820×320×540	820×320×540	820×320×540
		Package	mm	870×360×590	870×360×590	870×360×590	870×360×590
	Net Weight /Gross Weight		kg	32/37	32/37	32/37	32/37
Connection Pipe	Outer Diameter	Liquid	inch	φ1/4	φ1/4	φ1/4	φ1/4
		Gas	inch	φ3/8	φ3/8	φ1/2	φ1/2
	Max.distance	Height/Length		m	15/20	15/20	15/20
		40'GP/40'HQ		—	123/160	116/143	123/160
Loading Quantity	40'GP/40'HQ		—	123/160	116/143	123/160	116/143

Model	Outdoor Unit		GUHN18NK3AO			GUHN24NK3AO		
	Indoor Unit		Duct	Casstee	Floor Ceiling	Duct	Casstee	Floor Ceiling
			GFH18K3BI	GKH18K3BI	GTH18K3BI	GFH24K3BI	GKH24K3BI	GTH24K3BI
Capacity	Cooling	W	5000	5000	5000	7000	6800	7000
		Btu/h	17000	17000	17000	24000	23200	24000
	Heating	W	5700	5400	5700	8000	7500	8000
		Btu/h	19400	18400	19400	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
	Heating	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
	Heating	A	8.0	8.7	9.5	11.4	11.4	11.7
Refrigerant Charge Volume	kg		1.5	1.5	1.5	2.2	2.2	2.2
Indoor Unit	Air Flow Volume	m³/h	840/750/680	550/490/420	700/640/570	1600/1400/1200	1180/1080/1000	1170/1080/1000
		CFM	494/441/400	324/288/247	412/377/335	941/824/706	694/635/588	688/635/588
	Sound Pressure Level(H/M/L)		dB(A)	42/40/38	47/45/43	54/50/46	47/44/42	50/48/46
	Dimension (WxDxH)	Outline	mm	1012×736×266	600×600×230	836×695×238	1270×530×268	840×840×240
		Package	mm	1120×736×323	848×678×310	935×805×295	1345×594×283	960×960×310
	Net Weight /Gross Weight		kg	34/41	20/27	26/33	37/43	32/43
Panel	Dimension (WxDxH)	Outline	mm	—	650×650×50	—	—	950×950×60
		Package	mm	—	670×730×102	—	—	1025×1040×115
	Net Weight /Gross Weight		kg	—	2.5/3.5	—	—	6.5/10
Outdoor Unit	Sound Pressure Level		dB(A)	56	56	56	59	59
	Dimension (WxDxH)	Outline	mm	820×320×540	820×320×540	820×320×540	1018×412×695	1018×412×695
		Package	mm	870×360×590	870×360×590	870×360×590	1100×450×755	1100×450×755
	Net Weight /Gross Weight		kg	40/45	40/45	40/45	59/64	59/64
Connection Pipe	Outer Diameter	Liquid	inch	φ1/4	φ1/4	φ1/4	φ3/8	φ3/8
		Gas	inch	φ1/2	φ1/2	φ1/2	φ5/8	φ5/8
	Max.distance	Height/Length		m	15/20	15/20	15/30	15/30
		40'GP/40'HQ		—	116/132	113/114	116/143	92/94
Loading Quantity	40'GP/40'HQ		—	116/132	113/114	116/143	92/94	88/98



Model	Outdoor Unit		GUHN30NK3AO			GUHN36NK3AO		
	Indoor Unit		Duct	Casstee	Floor Ceiling	Duct	Casstee	Floor Ceiling
			GFH30K3BI	GKH30K3BI	GTH30K3BI	GFH36K3BI	GKH36K3BI	GTH36K3BI
Capacity	Cooling	W	8300	8300	8800	9800	10000	10000
		Btu/h	28300	28300	30000	33400	34100	34100
	Heating	W	9100	8800	9800	11000	11000	11000
		Btu/h	31000	30000	33400	37500	37500	37500
EER/COP	W/W		2.77/3.03	2.86/2.79	2.93/3.44	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
	Heating	kW	3.00	3.15	2.85	3.50	3.30	3.60
Current Input	Cooling	A	13.5	13.1	13.6	22.0	20.0	20.0
	Heating	A	13.9	13.1	13.6	19.0	18.0	18.0
Refrigerant Charge Volume	kg		3.6	3.6	3.6	3.2	3.2	3.2
Indoor Unit	Air Flow Volume	m³/h	1500/1300/1100	1400/1270/1170	1600/1450/1300	2000/1900/1800	1660/1570/1500	1800/1630/1520
		CFM	882/765/647	824/747/688	942/853/765	1176/1118/1059	976/924/882	1059/959/894
	Sound Pressure Level(H/M/L)		dB(A)	47/44/42	51/49/48	52/51/49	50/48/46	53/51/48
	Dimension (WxDxH)	Outline	mm	1270×530×268	840×840×240	1420×700×245	1226×775×290	840×840×320
		Package	mm	1348×597×283	960×960×310	1545×825×330	1335×834×305	960×960×394
	Net Weight /Gross Weight		kg	37/43	27/36	48/58	54/61	32/43
Panel	Dimension (WxDxH)	Outline	mm	—	950×950×60	—	—	950×950×60
		Package	mm	—	1025×1040×115	—	—	1025×1040×115
	Net Weight /Gross Weight		kg	—	6.5/10	—	—	6.5/10
Outdoor Unit	Sound Pressure Level		dB(A)	59	59	59	60	60
	Dimension (WxDxH)	Outline	mm	980×427×790	980×427×790	980×427×790	1018×412×840	1018×412×840
		Package	mm	1080×485×840	1080×485×840	1080×485×840	1100×450×985	1100×450×985
	Net Weight /Gross Weight		kg	70/75	70/75	70/75	90/100	90/100
Connection Pipe	Outer Diameter	Liquid	inch	φ3/8	φ3/8	φ3/8	φ1/2	φ1/2
		Gas	inch	φ5/8	φ5/8	φ5/8	φ3/4	φ3/4
	Max.distance	Height/Length		m	15/30	15/30	30/50	30/50
		40'GP/40'HQ		—	74/85	56/64	72/84	64/70
Loading Quantity	40'GP/40'HQ		—	74/85	56/64	72/84	64/70	44/53

Model	Outdoor Unit			GUHN36NM3AO			GUHN42NM3AO		
	Indoor Unit			Duct	Casstee	Floor Ceiling	Duct	Casstee	Floor Ceiling
				GFH36K3BI	GKH36K3BI	GTH36K3BI	GFH42K3BI	GKH42K3BI	GTH42K3BI
Capacity	Cooling	W	9800	10000	9800	12000	12000		
		Btu/h	33400	34100	33400	41000	41000	41000	
	Heating	W	11000	11000	10780	14000	14000	14000	
		Btu/h	37500	37500	36800	48000	48000	48000	
Eer/cop			W/W	2.45/3.14	2.78/3.55	2.72/3.27	2.26/2.86	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	
	Heating	kW	3.50	3.30	3.30	4.90	5.00	4.70	
Current Input	Cooling	A	7.0	6.7	6.7	9.6	8.7	8.7	
	Heating	A	6.3	5.7	6.0	8.9	8.5	8.5	
Refrigerant Charge Volume			kg	3.2	3.2	3.2	3.55	3.55	3.55
Indoor Unit	Air Flow Volume		m³/h	2000/1900/1800	1660/1570/1500	1800/1630/1520	2000/1900/1800	1660/1570/1500	1800/1630/1520
			CFM	1176/1118/1059	976/924/882	1059/959/894	1176/1118/1059	976/924/882	1059/959/894
	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
	Dimension (W×D×H)	Outline	mm	1226×775×290	840×840×320	1590×695×238	1226×775×290	840×840×320	1590×695×238
		Package	mm	1335×834×305	960×960×394	1714×830×330	1335×834×305	960×960×394	1714×830×330
	Net Weight /Gross Weight		kg	54/61	32/43	48/58	54/61	32/43	48/58
Panel	Dimension (W×D×H)	Outline	mm	—	950×950×60	—	—	950×950×60	—
		Package	mm	—	1025×1040×115	—	—	1025×1040×115	—
	Net Weight /Gross Weight		kg	—	6.5/10	—	—	6.5/10	—
Sound Pressure Level			dB(A)	60	60	60	60	60	60
Outdoor Unit	Dimension (W×D×H)	Outline	mm	1018×412×840	1018×412×840	1018×412×840	1032×412×1250	1032×412×1250	1032×412×1250
		Package	mm	1100×450×985	1100×450×985	1100×450×985	1110×450×1385	1110×450×1385	1110×450×1385
	Net Weight /Gross Weight		kg	90/100	90/100	90/100	112/123	112/123	112/123
Connection Pipe	Outer Diameter	Liquid	inch	φ1/2	φ1/2	φ1/2	φ1/2	φ1/2	φ1/2
		Gas	inch	φ3/4	φ3/4	φ3/4	φ3/4	φ3/4	φ3/4
	Max.distance		Height/Length	m	30/50	30/50	30/50	30/50	30/50
Loading Quantity		40'GP/40'HQ	—	64/70	44/53	55/58	45/49	42/48	44/49



Model	Outdoor Unit		GUHN48NM3AO				GUHN60NM3AO
	Indoor Unit		Duct	Cassee	Floor Ceiling	Duct	
			GFH48K3BI	GKH48K3BI	GTH48K3BI	GFH60K3BI	
Capacity	Cooling	W	14000	14000	14000	16000	
		Btu/h	48000	48000	48000	54600	
	Heating	W	15500	15500	15500	18500	
		Btu/h	52900	52900	52900	63100	
EER/COP		W/W	2.41/2.87	2.41/2.50	2.30/2.67	2.46/3.36	
Power Supply		Ph/V/Hz	3/380-415/50	3/380-415/50	3/380-415/50	3/380-415/50	
Power Input	Cooling	kW	5.80	5.80	6.10	6.50	
	Heating	kW	5.40	6.20	5.80	5.50	
Current Input	Cooling	A	10.5	10.5	11.0	11.8	
	Heating	A	9.8	11.3	10.5	10.0	
Refrigerant Charge Volume		kg	3.8	3.8	3.8	5	
Indoor Unit	Air Flow Volume		m³/h	2300/2110/1850	1660/1570/1500	2100/1900/1800	2500/2070/1730
			CFM	1354/1242/1089	977/924/883	1236/1118/1059	1471/1218/1018
	Sound Pressure Level(H/M/L)		dB(A)	53/50/46	53/51/48	58/55/52	53/50/48
			mm	1226×775×290	840×840×320	1590×695×238	1226×815×330
	Dimension (W×D×H)	Package	mm	1335×834×305	960×960×409	1714×830×330	1335×882×345
	Net Weight /Gross Weight		kg	57/67	32/43	48/58	66/76
Panel	Dimension (W×D×H)	Outline	mm	—	950×950×60	—	—
		Package	mm	—	1020×1040×115	—	—
	Net Weight /Gross Weight		kg	—	6.5/10	—	—
Outdoor Unit	Sound Pressure Level		dB(A)	63	63	63	64
	Dimension (W×D×H)	Outline	mm	1032×412×1250	1032×412×1250	1032×412×1250	1032×412×1250
		Package	mm	1110×450×1385	1110×450×1385	1110×450×1385	1110×450×1385
	Net Weight /Gross Weight		kg	112/123	112/123	112/123	123/134
Connection Pipe	Outer Diameter	Liquid	inch	φ1/2	φ1/2	φ1/2	φ1/2
		Gas	inch	φ3/4	φ3/4	φ3/4	φ3/4
	Max.distance	Height/length	m	30/50	30/50	30/50	30/50
Loading Quantity		40' GP/40' HQ	—	45/49	42/48	44/49	45/49

