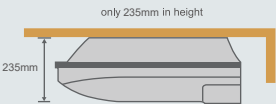
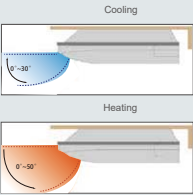


Floor Ceiling Type Indoor Unit

» Compact design



» Wide discharge range
With cross-direction swing angle, the air supply range is efficiently wider.



» Easy maintenance
Convenient disassembly and maintenance thanks to unique design.

» Microcomputer control
The complete control functions are controlled by microcomputer which not only shows all running modes and temperatures but also has functions like malfunction diagnosis and data search.

» Flexible installation
There are 2 installation methods: installation on ceiling or floor.



Floor Standing Type

U-Match 4th Generation
Fixed Frequency Series (Heat Pump)

U-match

410A

It is a kind of split system that the outdoor unit can be connected to various indoor unit (duct, cassette or floor ceiling type) with its cooling capacity from 5kW to 16kW.



- » Design of double ambient temperature sensors makes precise temperature monitoring.
- » With low ambient temperature cooling function, cooling is normal in -15℃.
- » The outdoor unit is universal and can be matched with duct, cassette and floor ceiling type.
- » The unit is designed with smaller dimension, which is easy to install and transport.

Indoor Unit



Duct type

- » Fresh air inlet and air valve control function improve the indoor air quality.
- » Flexible air inlet/outlet and condensing water outlet direction based on different installation requirements.
- » Optimized air duct design improves the performance and lowers the noise.
- » Built-in drain pump with increased lift of 1000mm.

Cassette type

- » Drain pump filled as standard with increased lift of 1000mm.
- » Special low noise fan design.
- » Equip with 360° air discharge panel, providing more comfortable air supply.

Floor ceiling type

- » 3D air flue design.
- » Modern and elegant appearance.
- » Four levels of fan speed.
- » Wide swing angles.

Item	Nominal operating condition(temperature)				Operating range(temperature)
	Outdoor condition		Indoor condition		Outdoor condition
	DB(℃)	WB(℃)	DB(℃)	WB(℃)	DB(℃)
Cooling	35	24	27	19	-15~48
Heating	7	6	20	15	-15~24

009/010

Units Lineup

Capacity index		50	71/85	100
Outdoor unit				
Indoor unit	Duct			
	Cassette			
	Floor ceiling			

Capacity index		125	140	160
Outdoor unit				
Indoor unit	Duct			
	Cassette			
	Floor ceiling			

Specifications

U-match



Model	Outdoor unit		GU50W/A1-K			
	Indoor unit		Duct(without water pump)	Duct(with water pump)	Cassette	Floor ceiling
Capacity	Cooling	kW	4.75	4.75	4.8	5.0
		Btu/h	16200	16200	16400	17100
		Heating	4.9	4.9	5.0	5.2
EER/COOP	Cooling	Btu/h	16700	16700	17100	17700
		W/W	2.97/3.50	2.97/3.50	3.10/3.70	3.03/3.59
		Power supply	220-240V ~50Hz			
Power input	Cooling	kW	1.60	1.60	1.55	1.65
		Heating	1.40	1.40	1.35	1.45
		Current input	A	7.65	7.42	7.90
Refrigerant charge volume	Cooling	A	6.70	6.70	6.46	6.94
		Heating	1.20	1.20	1.20	1.20
		kg	1.20	1.20	1.20	1.20
Indoor unit	Air flow volume	CFM	383	383	412	412
		m ³ /h	650	650	700	700
		Rated	Pa	25	25	0
ESP	Range	Pa	0-60	0-60	0	0
		Sound pressure level (SH/HML)	dB(A)	35/32/30/27	35/32/30/27	44/43/38/35
		Dimension (W×D×H)	mm	1000×450×200	1000×450×200	570×570×265
Panel	Package	mm	1308×568×275	1308×568×275	698×653×295	1033×770×300
		Net weight/Gross weight	kg	24/29	25/30	17/21
		Dimension (W×D×H)	mm	-	-	620×620×47.5
Outdoor unit	Package	mm	-	-	701×701×125	-
		Net weight/Gross weight	kg	-	3.0/4.5	-
		Sound pressure level	dB(A)	51	51	51
Connection pipe	Max. distance	mm	761×256×548	761×256×548	761×256×548	761×256×548
		Package	mm	881×363×595	881×363×595	881×363×595
		Net weight/Gross weight	kg	39/41.5	39/41.5	39/41.5
Loading quantity	40'GP/40'HQ	Liquid	inch(mm)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)
		Gas	inch(mm)	Φ1/2(12.7)	Φ1/2(12.7)	Φ1/2(12.7)
		Height	m	15	15	15
Loading quantity	40'GP/40'HQ	Length	m	30	30	30
		set	149/171	149/171	134/156	128/144

Model	Outdoor unit		GU71W/A1-K			
	Indoor unit		Duct(without water pump)	Duct(with water pump)	Cassette	Floor ceiling
Capacity	Cooling	kW	7.0	7.0	7.1	7.3
		Btu/h	23900	23900	24200	24900
		Heating	7.4	7.4	7.4	7.7
EER/COOP	Cooling	Btu/h	25200	25200	25200	26300
		W/W	3.26/3.79	3.26/3.79	3.3/3.61	3.24/3.42
		Power supply	220-240V ~50Hz			
Power input	Cooling	kW	2.15	2.15	2.15	2.25
		Heating	1.95	1.95	2.05	2.25
		Current input	A	10.28	10.28	10.76
Refrigerant charge volume	Cooling	A	9.32	9.32	9.80	10.52
		Heating	1.90	1.90	1.90	1.90
		kg	1.90	1.90	1.90	1.90
Indoor unit	Air flow volume	CFM	677	677	736	824
		m ³ /h	1150	1150	1250	1400
		Rated	Pa	25	25	0
ESP	Range	Pa	0-60	0-60	0	0
		Sound pressure level (SH/HML)	dB(A)	37/33/30/28	46/45/42/39	47/46/44/41
		Dimension (W×D×H)	mm	1300×450×220	1300×450×220	840×840×240
Panel	Package	mm	1628×578×300	1628×578×300	933×903×272	1363×770×300
		Net weight/Gross weight	kg	31/37	32/38	33/39
		Dimension (W×D×H)	mm	-	-	950×950×52
Outdoor unit	Package	mm	-	-	1033×1038×112	-
		Net weight/Gross weight	kg	-	6.0/9.5	-
		Sound pressure level	dB(A)	53	53	53
Connection pipe	Max. distance	mm	892×340×698	892×340×698	892×340×698	892×340×698
		Package	mm	1029×458×750	1029×458×750	1029×458×750
		Net weight/Gross weight	kg	59/63	59/63	59/63
Loading quantity	40'GP/40'HQ	Liquid	inch(mm)	Φ3/8(9.52)	Φ3/8(9.52)	Φ3/8(9.52)
		Gas	inch(mm)	Φ5/8(15.9)	Φ5/8(15.9)	Φ5/8(15.9)
		Height	m	15	15	15
Loading quantity	40'GP/40'HQ	Length	m	30	30	30
		set	82/96	82/96	80/86	90/92

011/012

Specifications



Model	Outdoor unit		GU85W/A1-K			
	Indoor unit		Duct(without water pump)	Duct(with water pump)	Cassette	Floor ceiling
Capacity			GU85P/A1-K	GU85PS/A1-K	GU85T/A1-K	GU85Z/A1-K
	Cooling	kW	8.3	8.3	8.3	8.6
		Btu/h	28300	28300	28300	29300
		kW	9.3	9.3	9.2	9.3
Heating	Btu/h	31700	31700	31400	31700	
	W/W	3.07/3.58	3.07/3.58	3.13/3.68	3.19/3.32	
	EER/COP					
Power supply			V/Ph/Hz	220-240V ~50Hz		
			kW	2.70	2.65	2.70
Power input			kW	2.60	2.60	2.80
			A	13.04	12.80	13.04
Current input			A	12.56	12.56	13.53
			kW	1.80	1.80	1.80
Refrigerant charge volume			CFM	736	736	883
			m³/h	1250	1250	1500
Indoor unit	ESP	Rated	Pa	37	0	0
		Range	Pa	0-80	0-80	0
	Sound pressure level (SH/H/ML)	dB(A)	40/36/33/32	40/36/33/32	46/45/42/39	49/48/47/44
		Package	mm	1300×450×220	1300×450×220	840×840×240
Panel	Dimension (W×D×H)	Package	mm	1628×578×300	1628×578×300	933×903×272
		Net weight/Gross weight	kg	31/37	32/38	30/37
	Outer diameter	mm	-	-	950×950×52	-
		Package	mm <td>-</td> <td>1033×1038×112</td> <td>-</td>	-	1033×1038×112	-
Outdoor unit	Sound pressure level	dB(A)	55	55	55	55
		Package	mm	892×340×698	892×340×698	892×340×698
	Net weight/Gross weight	kg <td>61/65</td> <td>61/65</td> <td>61/65</td> <td>61/65</td>	61/65	61/65	61/65	61/65
		Package	mm	1029×458×750	1029×458×750	1029×458×750
Connection pipe	Outer diameter	Liquid	inch(mm)	Φ3/8(9.52)	Φ3/8(9.52)	Φ3/8(9.52)
		Gas	inch(mm)	Φ5/8(15.9)	Φ5/8(15.9)	Φ5/8(15.9)
	Max distance	Height	m	15	15	15
		Length	m	30	30	30
Loading quantity			40/GP140/HQ	set	62/96	80/92

Model	Outdoor unit		GU100W/A1-M				
	Indoor unit		Duct(without water pump)	Duct(with water pump)	Cassette	Floor ceiling	
Capacity	Cooling	kW	10.1	10.1	10.01	10.1	
		Btu/h	34500	34500	34200	34500	
	Heating	kW	12.0	12.0	12.0	12.0	
		Btu/h	40900	40900	40900	40900	
EER/COP			W/W <td>3.16/3.75</td> <td>3.16/3.75</td> <td>3.16/3.53</td>	3.16/3.75	3.16/3.75	3.16/3.53	
Power supply			V/Ph/Hz <td colspan="3">380-415V 3N~ 50Hz</td>	380-415V 3N~ 50Hz			
			kW <td>3.20</td> <td>3.25</td> <td>3.20</td>	3.20	3.25	3.20	
Power input			kW <td>3.20</td> <td>3.20</td> <td>3.40</td>	3.20	3.20	3.40	
			A <td>5.60</td> <td>5.60</td> <td>5.60</td>	5.60	5.60	5.60	
Current input			A <td>5.60</td> <td>5.60</td> <td>5.90</td>	5.60	5.60	5.90	
			kW <td>2.10</td> <td>2.10</td> <td>2.10</td>	2.10	2.10	2.10	
Refrigerant charge volume			CFM <td>971</td> <td>942</td> <td>1000</td>	971	942	1000	
			m³/h <td>1650</td> <td>1600</td> <td>1700</td>	1650	1600	1700	
Indoor unit	Air flow volume	Rated	Pa <td>37</td> <td>37</td> <td>0</td>	37	37	0	
		Range	Pa <td>0-100</td> <td>0-100</td> <td>0</td>	0-100	0-100	0	
	ESP	SH(H)/ML(L)	dB(A) <td>44/42/38/35</td> <td>44/42/38/35</td> <td>52/50/48/45</td> <td>51/50/49/48</td>	44/42/38/35	44/42/38/35	52/50/48/45	51/50/49/48
		Dimension	Outline	mm <td>1000×700×300</td> <td>1000×700×300</td> <td>840×840×240</td> <td>1200×655×235</td>	1000×700×300	1000×700×300	840×840×240
Panel	Dimension (W×D×H)	Package	mm <td>1205×813×360</td> <td>1205×813×360</td> <td>933×903×272</td> <td>1363×770×300</td>	1205×813×360	1205×813×360	933×903×272	1363×770×300
		Net weight/Gross weight	kg <td>40/46</td> <td>41/47</td> <td>30/37</td> <td>36/42</td>	40/46	41/47	30/37	36/42
	Outer diameter	Package	mm <td>-</td> <td>-</td> <td>950×950×52</td> <td>-</td>	-	-	950×950×52	-
		Package	mm <td>-</td> <td>-</td> <td>1033×1038×112</td> <td>-</td>	-	-	1033×1038×112	-
Outdoor unit	Sound pressure level	dB(A)	56	56	6.0/5.5	56	
		Package	mm <td>920×370×790</td> <td>920×370×790</td> <td>920×370×790</td> <td>920×370×790</td>	920×370×790	920×370×790	920×370×790	920×370×790
	Net weight/Gross weight	kg	70/75	70/75	70/75	70/75	
		Package	mm <td>1083×488×875</td> <td>1083×488×875</td> <td>1083×488×875</td> <td>1083×488×875</td>	1083×488×875	1083×488×875	1083×488×875	1083×488×875
Connection pipe	Outer diameter	Liquid	inch(mm)	Φ3/8(9.52)	Φ3/8(9.52)	Φ3/8(9.52)	Φ3/8(9.52)
		Gas	inch(mm)	Φ5/8(15.9)	Φ5/8(15.9)	Φ5/8(15.9)	Φ5/8(15.9)
	Max distance	Height	m <td>20</td> <td>20</td> <td>20</td> <td>20</td>	20	20	20	20
		Length	m <td>30</td> <td>30</td> <td>30</td> <td>30</td>	30	30	30	30
Loading quantity	40/GP140/HQ		set	68/79	68/79	64/71	72/86

Specifications



Model	Outdoor unit		GU125W/A1-M			
	Indoor unit		Duct(without water pump)	Duct(with water pump)	Cassette	Floor ceiling
Capacity	Cooling	kW	12.0	12.0	12.0	12.0
		Btu/h	40900	40900	40900	40900
	Heating	kW	14.6	14.6	14.8	14.5
		Btu/h	49800	49800	50500	49500
EER/COP	W/W		2.76/3.17	2.76/3.17	2.86/3.52	2.86/3.26
Power supply	V/Ph/Hz		380-415V 3N~ 50Hz			
Power input	Cooling	kW	4.35		4.20	4.20
	Heating	kW	4.60		4.20	4.45
Current input	Cooling	A	7.50	7.50	7.30	7.30
	Heating	A	8.00	8.00	7.30	7.70
Refrigerant charge volume	kg		2.85	2.85	2.85	2.85
	CFM		1000	1000	942	1000
	m³/h		1700	1700	1600	1700
	Pa		50	50	0	0
Indoor unit	ESP	Rated Range	Pa	0-100	0-100	0
	Sound pressure level (SH/HML)		dB(A)	44/41/38/35	44/41/38/35	52/50/49/47
	Dimension	Outline	mm	1000×700×300	1000×700×300	840×840×240
	Dimension	(W×D×H)	Package	mm	1205×813×360	1205×813×360
Panel	Net weight	Gross weight	kg	41/47	42/48	33/40
	Dimension	Outline	mm	-	-	950×950×52
	Dimension	(W×D×H)	Package	mm	-	1033×1038×112
	Net weight	Gross weight	kg	-	-	6.0/9.5
Outdoor unit	Sound pressure level		dB(A)	58	58	58
	Dimension	Outline	mm	940×460×820	940×460×820	940×460×820
	Dimension	(W×D×H)	Package	mm	1083×573×973	1083×573×973
	Net weight	Gross weight	kg	95/106	95/106	1083×573×973
Connection pipe	Outer diameter	Liquid	inch(mm)	Φ3/8(9.52)	Φ3/8(9.52)	Φ3/8(9.52)
		Gas	inch(mm)	Φ5/8(15.9)	Φ5/8(15.9)	Φ5/8(15.9)
	Max distance	Height	m	30	30	30
		Length	m	50	50	50
Loading quantity	40(GP)/40(HQ)		set	51/58	51/58	54/64

Model	Outdoor unit		GU140W/A1-M			
	Indoor unit		Duct(without water pump)	Duct(with water pump)	Cassette	Floor ceiling
Capacity	Cooling	kW	14.6	14.6	14.01	14.1
		Btu/h	49800	49800	47800	48100
	Heating	kW	16.3	16.3	15.1	16.5
		Btu/h	55600	55600	51500	56300
EER/COP			W/W	3.24/3.79	3.24/3.79	3.11/3.75
Power supply			V/Ph/Hz	380-415V 3N~ 50Hz		
			kW	4.5	4.5	4.5
Power input			kW	4.3	4.3	4.4
			A	7.8	7.8	7.8
Current input			A	7.5	7.5	7.7
			kW	3.3	3.3	3.3
Refrigerant charge volume			CFM	1295	1295	1177
			m³/h	2200	2200	2000
Indoor unit	Air flow volume	Rated	Pa	50	0	0
		Range	Pa	0-150	0-150	0
	Sound pressure level (SH/HML)	dB(A)	45/44/41/37	45/44/41/37	54/51/47/45	54/53/52/51
		Package	mm	1400×700×300	1400×700×300	840×840×290
Panel	Dimension (W×D×H)	Package	mm	1601×813×365	1601×813×365	933×903×335
		Net weight/Gross weight	kg	52/59	53/60	34/41
	Outer diameter	mm <td>-</td> <td>-</td> <td>950×950×52</td> <td>-</td>	-	-	950×950×52	-
		Package	mm	-	-	1033×1038×112
Outdoor unit	Sound pressure level	dB(A)	58	58	6.0/5.9	-
		Package	mm	940×460×820	940×460×820	940×460×820
	Net weight/Gross weight	kg	97/108	97/108	1083×573×973	1083×573×973
		Package	mm	1083×573×973	1083×573×973	1083×573×973
Connection pipe	Outer diameter	Liquid	inch(mm)	Φ3/8(9.52)	Φ3/8(9.52)	Φ3/8(9.52)
		Gas	inch(mm)	Φ5/8(15.9)	Φ5/8(15.9)	Φ5/8(15.9)
	Max distance	Height	m	30	30	30
		Length	m	50	50	50
Loading quantity	40/GP140/HQ		set	51/58	52/62	58/62

Specifications



Model	Outdoor unit		GU160W/A1-M			
	Indoor unit		Duct(without water pump)	Duct(with water pump)	Cassette	Floor ceiling
Capacity	Cooling	kW	GU160PH/A1-K	GU160PHS/A1-K	GU160T/A1-K	GU160ZD/A1-K
			16.0	16.0	15.0	15.8
	Heating	Btu/h	54600	54600	51200	53900
			19.0	19.0	17.4	19.1
EER/COP			64800	64800	59400	65200
			Btu/h	Btu/h	Btu/h	Btu/h
Power supply			2.91/3.52	2.91/3.52	2.83/3.11	2.88/3.54
			W/W	W/W	W/W	W/W
Current input			380-415V 3N~ 50Hz	380-415V 3N~ 50Hz	380-415V 3N~ 50Hz	380-415V 3N~ 50Hz
			5.50	5.50	5.30	5.48
Refrigerant charge volume			5.40	5.40	5.60	5.40
			kW	kW	kW	kW
ESP			9.6	9.6	9.2	9.6
			A	A	A	A
Indoor unit			9.4	9.4	9.8	9.4
			A	A	A	A
Panel			4.2	4.2	4.2	4.2
			kg	kg	kg	kg
Outdoor unit			CFM	CFM	CFM	CFM
			1530	1530	1177	1471
Connection pipe			m³/h	m³/h	m³/h	m³/h
			2600	2600	2000	2500
Loading quantity			Pa	Pa	Pa	Pa
			50	50	0	0
Sound pressure level (SHAHML)			0-150	0-150	0	0
			dB(A)	dB(A)	dB(A)	dB(A)
Dimension (W×D×H)			4745/40/37	4745/40/37	55/51/47/45	54/53/52/51
			mm	mm	mm	mm
Net weight/Gross weight			1400×700×300	1400×700×300	840×840×290	1570×665×235
			mm	mm	mm	mm
Panel			1601×813×365	1601×813×365	933×903×335	1729×770×300
			mm	mm	mm	mm
Outdoor unit			54/61	55/62	34/41	45/52
			kg	kg	kg	kg
Connection pipe			-	-	950×950×52	-
			mm	mm	mm	mm
Loading quantity			-	-	1033×1038×112	-
			mm	mm	mm	mm
Sound pressure level			-	-	6.0/9.5	-
			kg	kg	kg	kg
Dimension (W×D×H)			60	60	60	60
			mm	mm	mm	mm
Net weight/Gross weight			940×460×820	940×460×820	940×460×820	940×460×820
			mm	mm	mm	mm
Connection pipe			1083×573×973	1083×573×973	1083×573×973	1083×573×973
			mm	mm	mm	mm
Loading quantity			103/114	103/114	103/114	103/114
			kg	kg	kg	kg
Outer diameter			Φ3/8(9.52)	Φ3/8(9.52)	Φ3/8(9.52)	Φ3/8(9.52)
			inch(mm)	inch(mm)	inch(mm)	inch(mm)
Max distance			Φ5/8(15.9)	Φ5/8(15.9)	Φ5/8(15.9)	Φ5/8(15.9)
			inch(mm)	inch(mm)	inch(mm)	inch(mm)
Height			30	30	30	30
			m	m	m	m
Length			50	50	50	50
			m	m	m	m
set			51/58	51/58	52/62	58/62
			set	set	set	set

Control System Lineup

Controlling system		Product series	Duct type	Cassette type	Floor ceiling type
Wired controller	XX117		●	○	○
	XE71-42/G		○	○	○
Remote controller	YAW1F8 (WIFI)		○	○	○
	YAP1F8 (WIFI)		○	●	●
WIFI module (G-Cloud) ^{*2}	ME31-00/C4 ME31-00/C8		○	○	○
MODBUS Gateway	ME30-00EG(M)		○	○	○
Centralized controller (up to 36 indoor units)	CE52-34F(C)		○	○	○
Dry contact gateway (Extended Function Board)	ME30-42E1		○	○	○
Door controller	MK03		○	○	○

Note:
● means standard, ○ means optional.
*1: Controller(Cooling only)
*2: Please contact the sales representative for WIFI module selection.