

# U-Match 5 SERIES AIR CONDITIONERS TSG

	IDU	GUD100PH/A-T	GUD125PH/A-T	GUD140PH/A-T	GUD160PH/A-T
		GUD100PHS/A-T	GUD125PHS/A-T	GUD140PHS/A-T	GUD160PHS/A-T
	ODU	GUD100W/NhA-X	GUD125W/NhA-X	GUD140W/NhA-X	GUD160W/NhA-X
Safety Device		High pressure switch Low pressure switch Unloading valve Outdoor fan driver overload protector Thermal protector for indoor Fan Motor Inverter overload protector Fusible plugs. Fuse	High pressure switch Low pressure switch Unloading valve Outdoor fan driver overload protector Thermal protector for indoor Fan Motor Inverter overload protector Fusible plugs. Fuse	High pressure switch Low pressure switch Unloading valve Outdoor fan driver overload protector Thermal protector for indoor Fan Motor Inverter overload protector Fusible plugs. Fuse	High pressure switch Low pressure switch Unloading valve Outdoor fan driver overload protector Thermal protector for indoor Fan Motor Inverter overload protector Fusible plugs. Fuse

## 4.3 Floor Ceiling Type

	IDU		GUD35ZD/A-T	GUD50ZD/A-T	GUD71ZD/A-T	GUD85ZD/A-T
	ODU		GUD35W/NhA-T	GUD50W/NhA-T	GUD71W/NhA-T	GUD85W/NhA-T
Rated Capacity	Cooling	kW	3.50	5.00	7.00	8.50
	Heating	kW	4.00	5.50	8.00	8.80
Input Power	Cooling	kW	0.90	1.55	1.90	2.80
	Heating	kW	0.95	1.60	2.45	2.65
Sound Pressure Level Noise	Cooling	dB(A)	39	44	45	49
EER		W/W	3.89	3.23	3.68	3.04
SEER			6.70	6.10	6.80	6.10
SCOP		—	4.00	4.00	3.90	4.00
Energy Class (Cooling / Heating)		—	A++/A+	A++/A+	A++/A	A++/A+
IDU			GUD35ZD/A-T	GUD50ZD/A-T	GUD71ZD/A-T	GUD85ZD/A-T
Power Supply			220-240V ~50Hz;208-230V ~60Hz			
Heat Exchanger			Inner Groove Copper Tube-Aluminum Fin			
Fan Motor	Type	—	Centrifugal Fan			
	Drive	—	direct	direct	direct	direct
	Motor Output	W	40	40	150	150
	Air Volume	m <sup>3</sup> /h	650	850	1300	1500
Filter			PP			
Connection Pipe	Liquid Pipe	in.	1/4	1/4	3/8	3/8
	Gas Pipe	in.	3/8	1/2	5/8	5/8
	Water Pipe	mm	Φ25*1.50	Φ25*1.50	Φ25*1.50	Φ25*1.50
Dimensions (H*W*D)	Outline	mm	235*870*665	235*870*665	235*1200*665	235*1200*665
	Package	mm	300*770*1033	300*770*1033	300*770*1363	300*770*1363
Weight	Net Weight	kg	25	26	31	31
	Gross Weight	kg	30	31	37	37

	IDU		GUD35ZD/A-T	GUD50ZD/A-T	GUD71ZD/A-T	GUD85ZD/A-T
	ODU		GUD35W/NhA-T	GUD50W/NhA-T	GUD71W/NhA-T	GUD85W/NhA-T
	ODU		GUD35W/NhA-T	GUD50W/NhA-T	GUD71W/NhA-T	GUD85W/NhA-T
Heat Exchanger	—	Inner Groove Copper Tube-Aluminum Fin				
Power Supply	220-240V ~50Hz;208-230V ~60Hz					
Compressor	Model		QXF-A102zE170B	QXF-B141zF030F	QXFS-D25zX090H	QXFS-D25zX090H
	Type		Rotary	Rotary	Rotary	Rotary
	Output	W	1023	1410	2420	2420
Fan Motor	Type	—	Axial fan			
	Air Volume	m <sup>3</sup> /h	3000	3000	3600	4000
	Output Power	W	—	40	—	—
Refrigerant	Type		R32			
	Weight	kg	0.78	1.00	1.60	1.80
	Throttling Method		Electronic Expansion Valve			
Connection Pipe	Liquid Pipe	mm	1/4	1/4	3/8	3/8
	Gas Pipe	in.	3/8	1/2	5/8	5/8
Refrigerant Pipe	Standard Length	m	5	5	5	5
	Max. Length	m	30	35	50	50
	Max. Height	m	15	20	25	25
Dimensions (H*W*D)	Outline	mm	596*818*302	596*818*302	698*892*340	790*920*370
	Package	mm	645*948*420	645*948*420	750*1029*458	855*1083*488
Weight	Net Weight	kg	37	39	53	60
	Gross Weight	kg	40	42	57	65

	IDU		GUD100ZD/A-T	GUD125ZD/A-T	GUD140ZD/A-T	
	ODU		GUD100W/NhA-T	GUD125W/NhA-T	GUD140W/NhA-T	
Rated Capacity	Cooling	kW	10.00	12.10	13.40	
	Heating	kW	12.00	13.50	15.50	
Input Power	Cooling	kW	3.30	3.90	4.40	
	Heating	kW	3.60	3.95	4.35	
Sound Pressure Level Noise	Cooling	dB(A)	49	49	52	
EER		W/W	3.03	3.10	3.05	
SEER		—	6.10	6.10	6.10	
SCOP		—	4.00	3.80	3.70	
Energy Class (Cooling /Heating)		—	A++/A+	A++/A	A++/A	
	IDU		GUD100ZD/A-T	GUD125ZD/A-T	GUD140ZD/A-T	
Power Supply	220-240V ~50Hz;208-230V ~60Hz					
Heat Exchanger	—	Inner Groove Copper Tube-Aluminum Fin				
Fan Motor	Type	—	Centrifugal Fan			
	Drive	—	direct	direct	direct	
	Motor Output	W	150	250	250	
	Air Volume	m <sup>3</sup> /h	1600	1800	2100	
Filter	—	PP				

# U-Match 5 SERIES AIR CONDITIONERS TSG

	IDU		GUD100ZD/A-T	GUD125ZD/A-T	GUD140ZD/A-T	
	ODU		GUD100W/NhA-T	GUD125W/NhA-T	GUD140W/NhA-T	
Connection Pipe	Liquid Pipe	in.	1/4	1/4	3/8	
	Gas Pipe	in.	3/8	1/2	5/8	
	Water Pipe	mm	Φ25*1.50	Φ25*1.50	Φ25*1.50	
Dimensions (H*W*D)	Outline	mm	235*1200*665	235*1570*665	235*1570*665	
	Package	mm	300*770*1363	300*770*1729	300*770*1729	
Weight	Net Weight	kg	32	40	42	
	Gross Weight	kg	38	47	49	
ODU			GUD100W/NhA-T	GUD125W/NhA-T	GUD140W/NhA-T	
Heat Exchanger		—	Inner Groove Copper Tube-Aluminum Fin			
Power Supply			220-240V ~50Hz;208-230V ~60Hz			
Compressor	Model		QXFS-D32zX090D	QXFS-F428zX450E	QXFS-F428zX450E	
	Type		Rotary	Rotary	Rotary	
	Output	W	3750	4300	4300	
Fan Motor	Type	—	Axial fan			
	Air Volume	m <sup>3</sup> /h	5900	5900	5900	
	Output Power	W	150	—	—	
Refrigerant	Type		R32			
	Weight	kg	2.50	2.65	2.80	
	Throttling Method		Electronic Expansion Valve			
Connection Pipe	Liquid Pipe	mm	3/8	3/8	3/8	
	Gas Pipe	in.	5/8	5/8	5/8	
Refrigerant Pipe	Standard Length	m	5.00	5.00	7.50	
	Max. Length	m	65	75	75	
	Max. Height	m	30	30	30	
Dimensions (H*W*D)	Outline	mm	820*940*460	820*940*460	820*940*460	
	Package	mm	973*1083*573	973*1083*573	973*1083*573	
Weight	Net Weight	kg	83	91	95	
	Gross Weight	kg	95	103	107	
Safety Device			High pressure switch Low pressure switch Unloading valve Outdoor fan driver overload protector Thermal protector for indoor Fan Motor Inverter overload protector Fusible plugs. Fuse	High pressure switch Low pressure switch Unloading valve Outdoor fan driver overload protector Thermal protector for indoor Fan Motor Inverter overload protector Fusible plugs. Fuse	High pressure switch Low pressure switch Unloading valve Outdoor fan driver overload protector Thermal protector for indoor Fan Motor Inverter overload protector Fusible plugs. Fuse	
	IDU		GUD100ZD/A-T	GUD125ZD/A-T	GUD140ZD/A-T	GUD160ZD/A-T
	ODU		GUD100W/NhA-X	GUD125W/NhA-X	GUD140W/NhA-X	GUD160W/NhA-X
Rated Capacity	Cooling	kW	10.00	12.10	13.40	16.00
	Heating	kW	12.00	13.50	15.50	17.00
Input Power	Cooling	kW	3.30	4.05	4.30	5.40
	Heating	kW	3.50	4.00	4.40	5.40

	IDU		GUD100ZD/A-T	GUD125ZD/A-T	GUD140ZD/A-T	GUD160ZD/A-T
	ODU		GUD100W/NhA-X	GUD125W/NhA-X	GUD140W/NhA-X	GUD160W/NhA-X
Sound Pressure Level Noise	Cooling	dB(A)	49	49	52	54
EER		W/W	3.03	3.18	3.12	2.96
SEER			6.10	6.10	6.10	6.10
SCOP		—	4.00	3.80	4.00	4.00
Energy Class (Cooling / Heating)		—	A++/A+	A++/A	A++/A+	A++/A+
IDU			GUD100ZD/A-T	GUD125ZD/A-T	GUD140ZD/A-T	GUD160ZD/A-T
Power Supply			220-240V ~50Hz;208-230V ~60Hz			
Heat Exchanger		—	Inner Groove Copper Tube-Aluminum Fin			
Fan Motor	Type	—	Centrifugal Fan			
	Drive	—	direct	direct	direct	direct
	Motor Output	W	150	250	250	250
	Air Volume	m <sup>3</sup> /h	1600	1800	2100	2300
Filter		—	PP			
Connection Pipe	Liquid Pipe	in.	3/8	3/8	3/8	3/8
	Gas Pipe	in.	5/8	5/8	5/8	5/8
	Water Pipe	mm	Φ25*1.50	Φ25*1.50	Φ25*1.50	Φ25*1.50
Dimensions (H*W*D)	Outline	mm	235*1200*665	235*1570*665	235*1570*665	235*1570*665
	Package	mm	300*770*1363	300*770*1729	300*770*1729	300*770*1729
Weight	Net Weight	kg	32	40	42	42
	Gross Weight	kg	38	47	49	49
ODU			GUD100W/NhA-X	GUD125W/NhA-X	GUD140W/NhA-X	GUD160W/NhA-X
Heat Exchanger		—	Inner Groove Copper Tube-Aluminum Fin			
Power Supply			380-415V 3N~50Hz/60Hz			
Compressor	Model		QXFS-D32zX090C	QXFS-F428zX450I	QXFS-F428zX450I	QXFS-F428zX450I
	Type		Rotary	Rotary	Rotary	Rotary
	Output	W	4000	4300	4300	4060
Fan Motor	Type	—	Axial fan			
	Air Volume	m <sup>3</sup> /h	5900	5900	5900	6600
	Output Power	W	—	—	—	—
Refrigerant	Type		R32			
	Weight	kg	2.50	2.70	2.80	3.60
	Throttling Method		Electronic Expansion Valve			
Connection Pipe	Liquid Pipe	mm	3/8	3/8	3/8	3/8
	Gas Pipe	in.	5/8	5/8	5/8	5/8
Refrigerant Pipe	Standard Length	m	5.00	5.00	7.50	7.50
	Max. Length	m	65	75	75	75
	Max. Height	m	30	30	30	30

# U-Match 5 SERIES AIR CONDITIONERS TSG

	IDU		GUD100ZD/A-T	GUD125ZD/A-T	GUD140ZD/A-T	GUD160ZD/A-T
	ODU		GUD100W/NhA-X	GUD125W/NhA-X	GUD140W/NhA-X	GUD160W/NhA-X
Dimensions (H*W*D)	Outline	mm	820*940*460	820*940*460	820*940*460	1345*900*340
	Package	mm	973*1083*573	973*1083*573	973*1083*573	1500*1048*458
Weight	Net Weight	kg	89	95	99	112
	Gross Weight	kg	101	107	111	122
Safety Device			High pressure switch Low pressure switch Unloading valve Outdoor fan driver overload protector Thermal protector for indoor Fan Motor Inverter overload protector Fusible plugs. Fuse	High pressure switch Low pressure switch Unloading valve Outdoor fan driver overload protector Thermal protector for indoor Fan Motor Inverter overload protector Fusible plugs. Fuse	High pressure switch Low pressure switch Unloading valve Outdoor fan driver overload protector Thermal protector for indoor Fan Motor Inverter overload protector Fusible plugs. Fuse	High pressure switch Low pressure switch Unloading valve Outdoor fan driver overload protector Thermal protector for indoor Fan Motor Inverter overload protector Fusible plugs. Fuse

1. Product design conforms to EN14511 standards.
2. Air Volume was measured under applicable standard static pressure.
3. Above cooling (heating) capacity is measured under rated working condition. Parameters may be changed due to product improvement. Please refer to the present product nameplate.

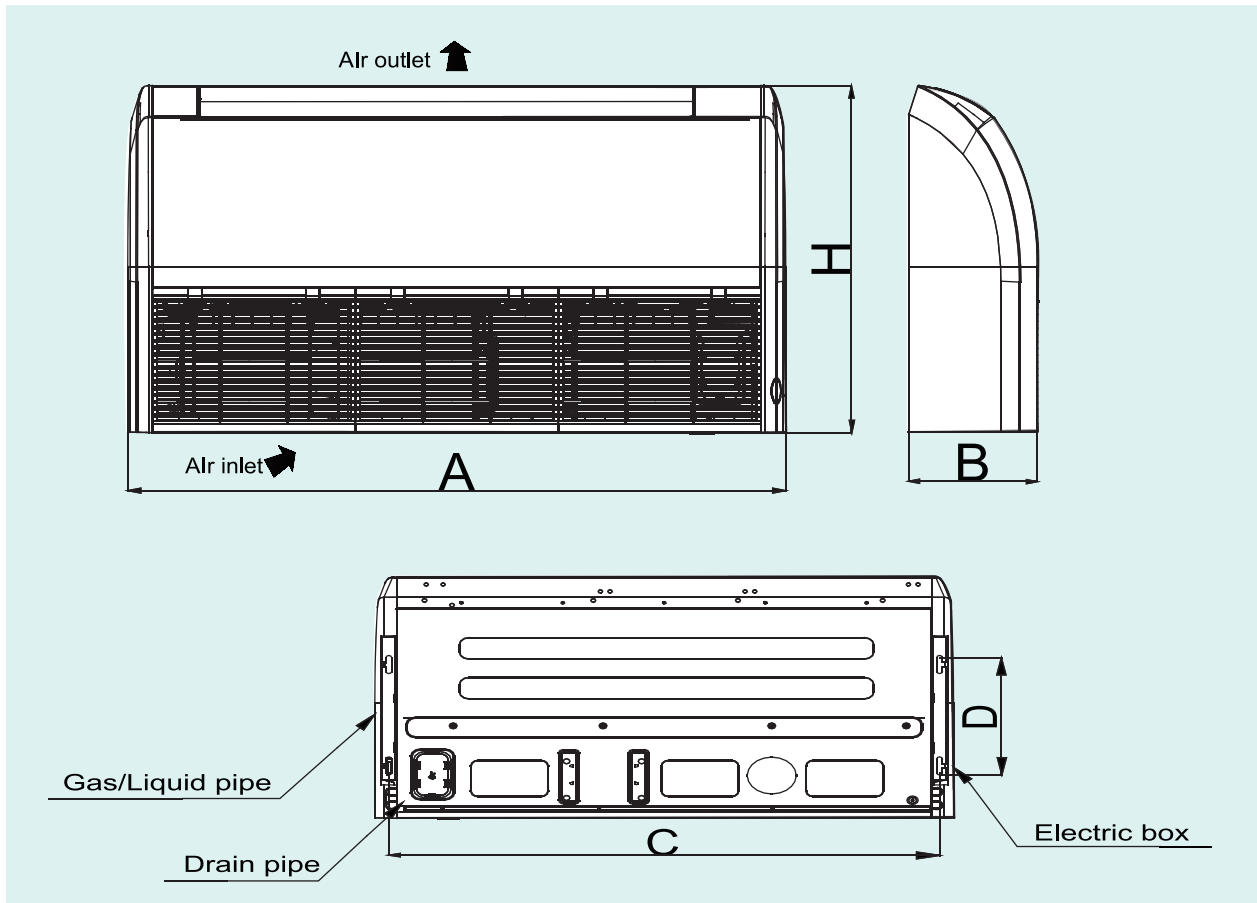
	Indoor(°C )	Outdoor(°C )
Cooling	27/19	35/24
Heating	20/15	7/6

## 5 PRODUCT OPERATION RANGE

	Cooling	Heating
Outdoor temperature DB(°C )	-20~48	-20~24
Indoor temperature DB/WB(°C ) (Maximum)	32/23	27/-

## ➔ 10.3 Floor Ceiling Type

### 10.3.1 Dimensions

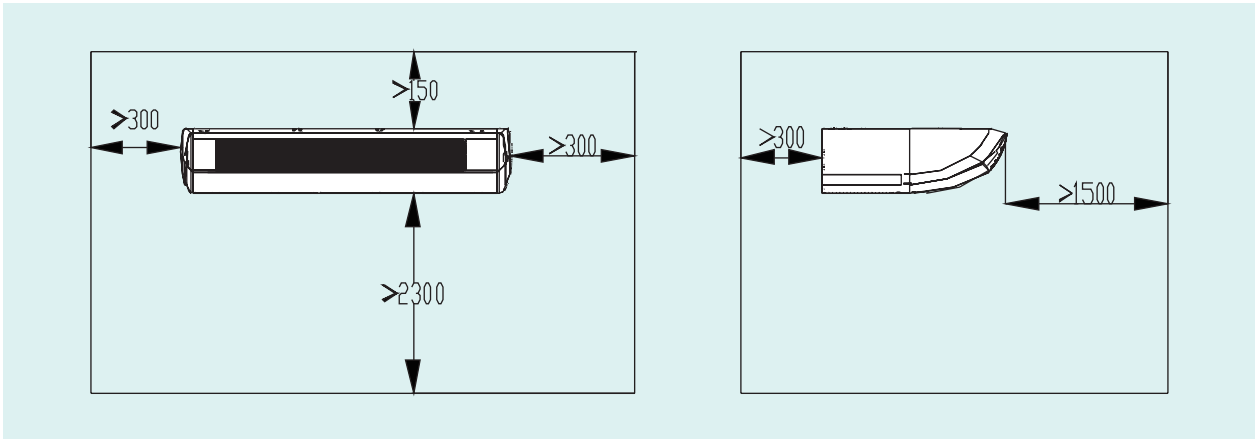


Unit: mm

Model	Dimensions	A	B	C	D	H
GUD35ZD/A-T		870	235	812	318	665
GUD50ZD/A-T		870	235	812	318	665
GUD71ZD/A-T		1200	235	1142	318	665
GUD85ZD/A-T		1200	235	1142	318	665
GUD100ZD/A-T		1200	235	1142	318	665
GUD125ZD/A-T		1570	235	1512	318	665
GUD140ZD/A-T		1570	235	1512	318	665
GUD160ZD/A-T		1570	235	1512	318	665

### 10.3.2 Installation Location

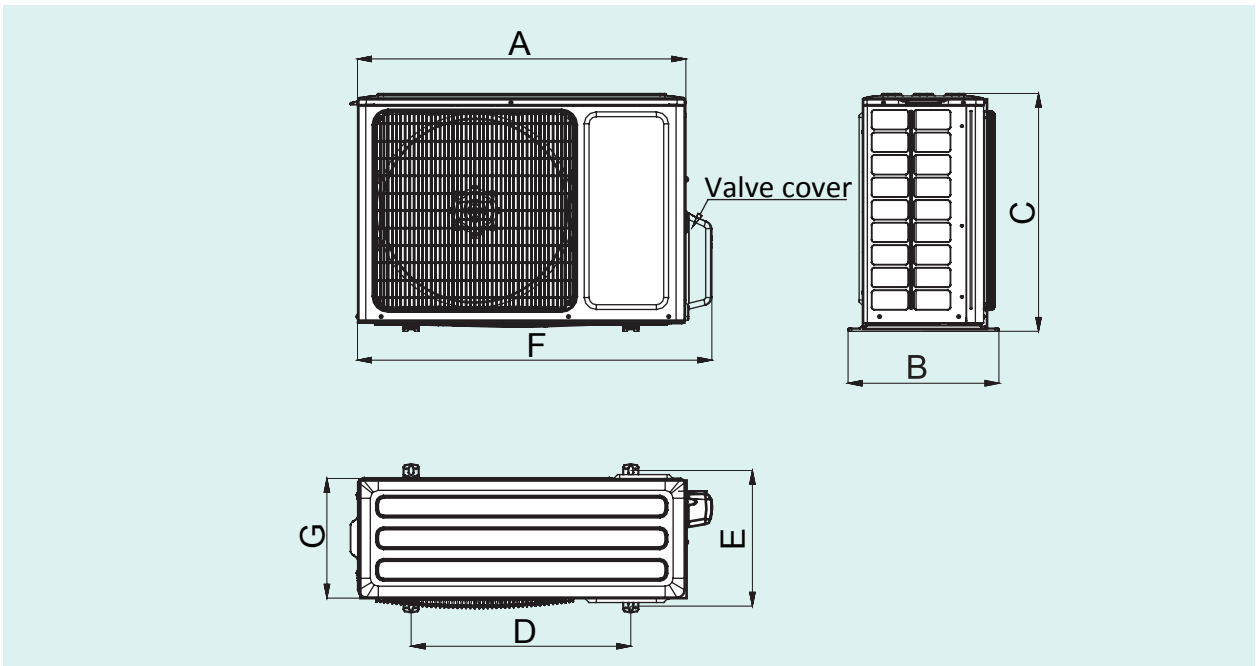
Unit: mm

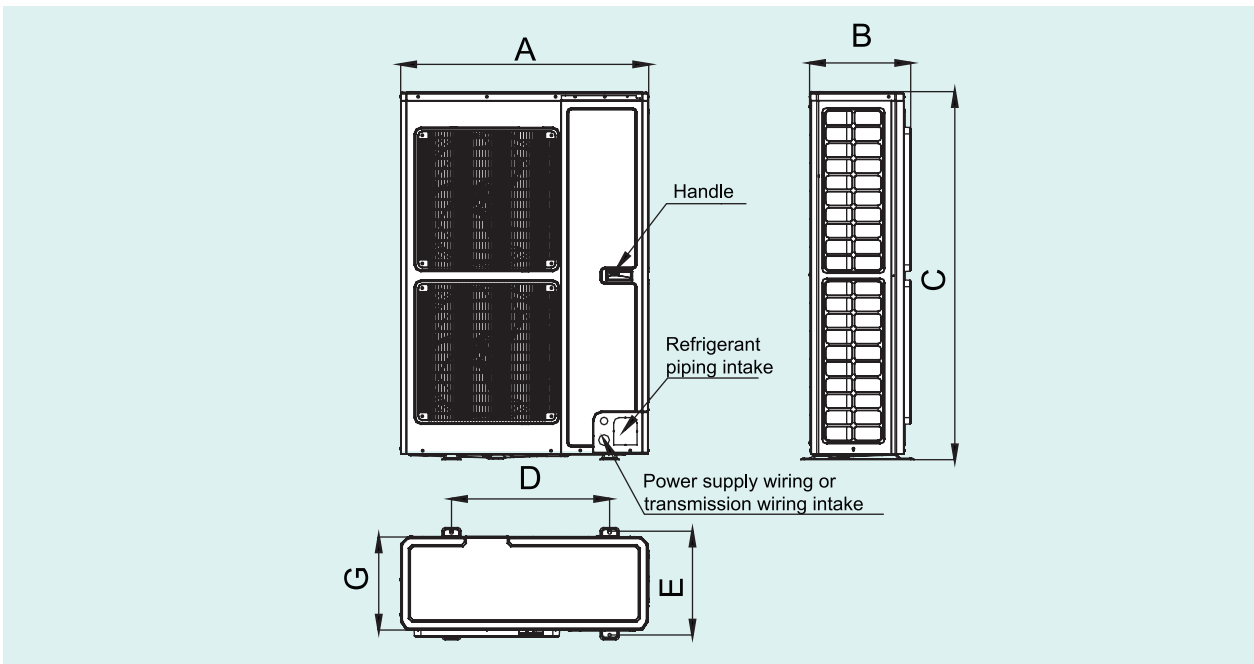
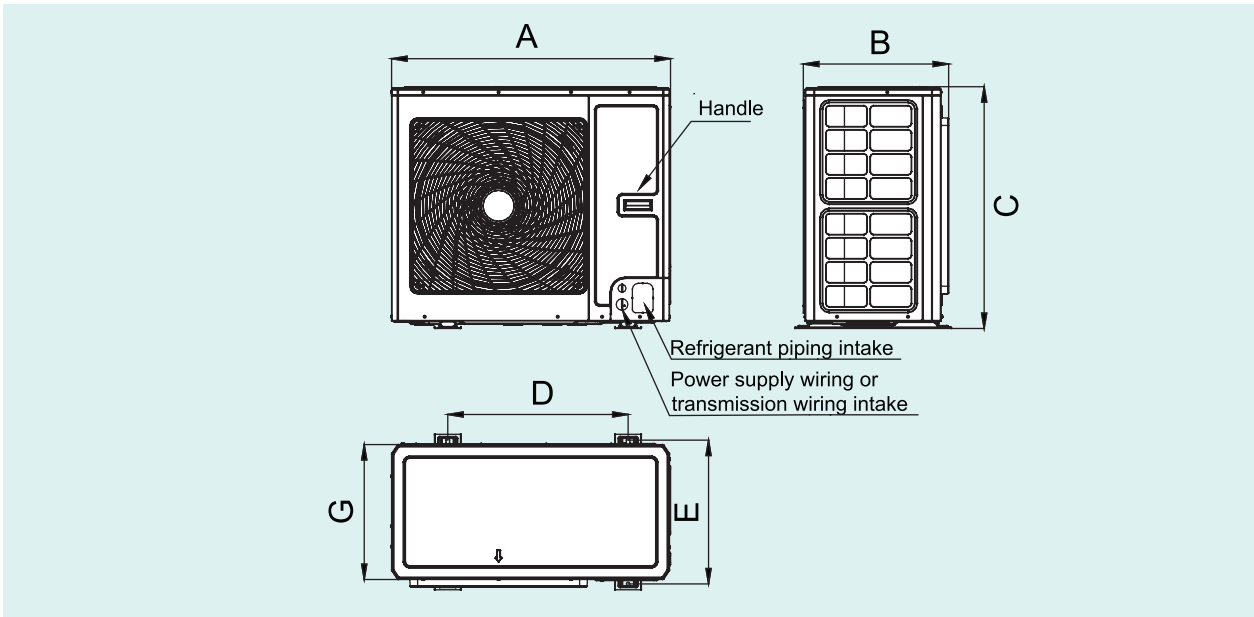


## ➔ 10.4 Outdoor Unit

### 10.4.1 Dimensions

GUD35W/NhA-T, GUD50W/NhA-T, GUD71W/NhA-T, GUD85W/NhA-T





Unit: mm

Model	Dimensions						
	A	B	C	D	E	F	G
GUD35W/NhA-T	818	378	596	550	348	887	302
GUD50W/NhA-T	818	378	596	550	348	887	302
GUD71W/NhA-T	892	396	698	560	364	952	340
GUD85W/NhA-T	920	427	790	610	395	1002	370
GUD100W/NhA-T	940	530	820	610	486	/	460
GUD100W/NhA-X	940	530	820	610	486	/	460

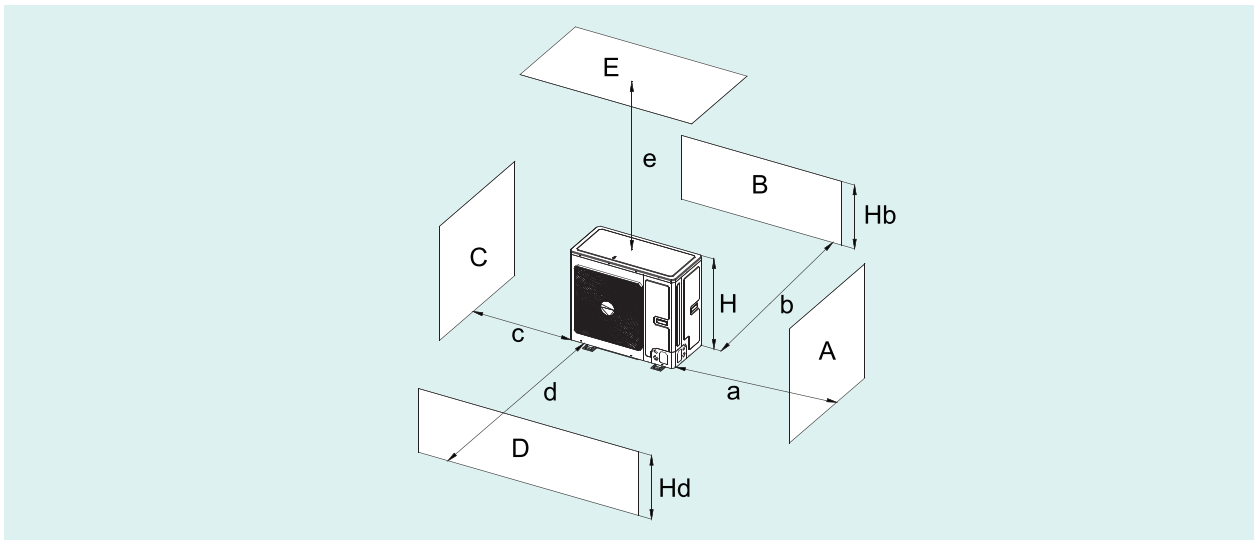


Model	A	B	C	D	E	F	G
GUD125W/NhA-T	940	530	820	610	486	/	460
GUD125W/NhA-X	940	530	820	610	486	/	460
GUD140W/NhA-T	940	530	820	610	486	/	460
GUD140W/NhA-X	940	530	820	610	486	/	460
GUD160W/NhA-X	900	412	1345	572	378	/	340

### 10.4.2 Installation Location

1). When one outdoor unit is to be installed,

Unit: mm



A~E	$H_b$ $H_D$ $H$		(mm)				
			a	b	c	d	e
B	—			$\geq 100$			
A,B,C,	—		$\geq 300$	$\geq 100$	$\geq 100$		
B,E	—			$\geq 100$			$\geq 1000$
A,B,C,E	—		$\geq 300$	$\geq 150$	$\geq 150$		$\geq 1000$
D	—					$\geq 1000$	
D,E	—					$\geq 1000$	$\geq 1000$
B,D	$H_b < H_D$	$H_D > H$		$\geq 100$		$\geq 1000$	
	$H_b > H_D$	$H_D < H$		$\geq 100$		$\geq 1000$	
B,D,E	$H_b < H_D$	$H_b \leq 1/2 H$		$\geq 250$		$\geq 2000$	$\geq 1000$
		$1/2 H < H_b \leq H$		$\geq 250$		$\geq 2000$	$\geq 1000$
		$H_b > H$	Prohibited				
	$H_b > H_D$	$H_D \leq 1/2 H$		$\geq 100$		$\geq 2000$	$\geq 1000$
		$1/2 H < H_D \leq H$		$\geq 200$		$\geq 2000$	$\geq 1000$
		$H_D > 1/2 H$	Prohibited				