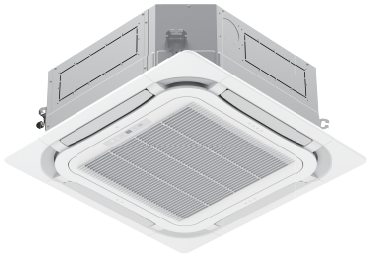
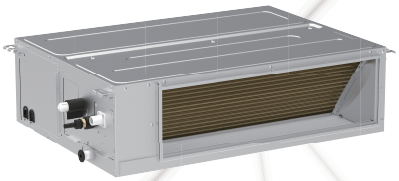
Technical Sales Guide

U-MATCH SERIES AIR CONDITIONERS

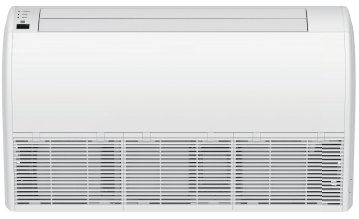
(GC202304-I)

TECHNICAL SALES GUIDE 50/60Hz
CAPACITY RANGE:
18100~54500Btu/h
SUPER HIGH AMBIENT OPERATION TO 52°C









GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI

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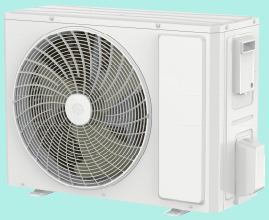
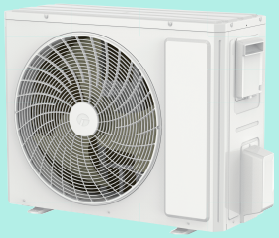
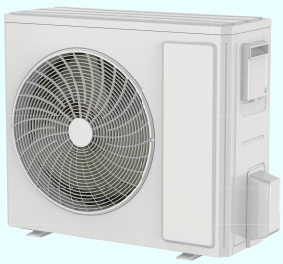
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1 PRODUCT LIST

1.1 List of Units

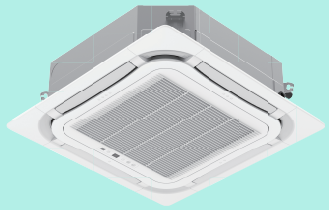
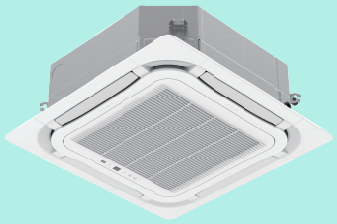
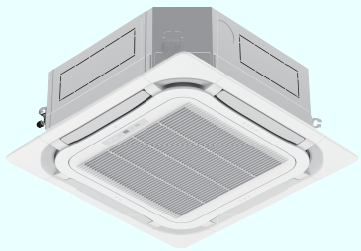
1.1.1 List of ODUS

Model	Power Supply V/Ph/Hz	Product Code	Appearance
GUTD18W1/A-S(E)	220-240V ~50/60Hz	CF090W2670	
GUTD24W1/A-S(E)		CF090W2680	
GUTD36W1/A-S(E)		CF090W2710	
GUTD48W1/A-S(E)		CF090W2700	
GUTD60W1/A-S(E)		CF090W2690	

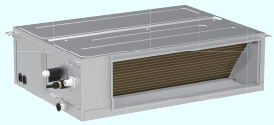
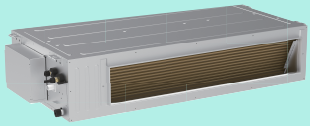
1.1.2 List of IDUS

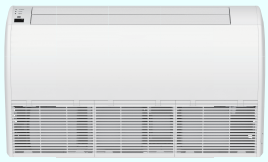
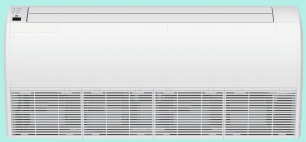
Gree U-MATCH Series adopts self-adaptation technology to be matched with different types of indoor units (duct type, cassette type, floor ceiling type) according to the room decoration and user demands, saving the cost of warehouse management and after-sales maintenance.

- It is widely applicable for apartments, villas, hotels, office buildings and small and medium sized supermarkets.
- Cooling capacity range:18100~54500Btu/h; applicable area:23~140m²

Model		Rated Cooling/ Heating Capacity （Btu/h）	Product Code	Appearance	Features
Cassette Type	GUD18T1/A-S(E)	18100/19100	ET010N2691 ET010N2690		General series： ●With 8-way air discharge panels for 360°air supply; ●5 fan speeds can be set to meet different air flow requirements; ●Panels with smart sensors are optional (Panels with smart sensors are under development); ●It is equipped with an 8-way air discharge panel and a panel lifting function module; lifting panel is optional; ●Optional WiFi wired controller. Special functional series： ●Plasmacluster ion sterilization module is included, for a healthy and comfortable environment; ●Equipped with MODBUS interface, which can be directly connected to the BMS; BACnet gateway is optional; ●It can be directly connected to a centralized controller and can share a centralized controller with GREE GMV6 for centralized control.
	GUD24T1/A-S(E)	24200/27300	ET010N2651 ET010N2650		
	GUD36T1/A-S(E)	35800/38600	ET010N2680		
	GUD48T1/A-S(E)	47800/54600	ET010N2660		
	GUD60T1/A-S(E)	54500/58000	ET010N2670		

U-MATCH SERIES AIR CONDITIONERS

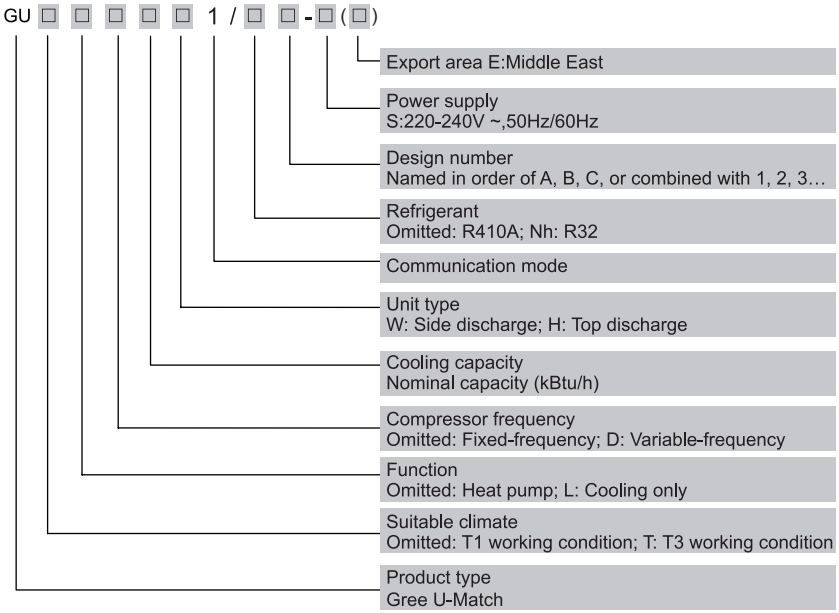
	Model	Rated Cooling/ Heating Capacity （Btu/h）	Product Code	Appearance	Features
Duct Type	GUD18PHS1/A-S(E) GUD18PH1/A-S(E)	18100/19100	CF022N4760 CF022N4790		General series： ●Static pressure up to 200Pa, with 9 static pressure stages and 7 fan speeds; ●Compact structure, only 260mm thick; models 18K~36K are only 900mm in length, suitable to places with narrow ceiling space; ●Models with and without drain pumps are available. The delivery lift can reach 1000mm; ●Two air return modes to choose from: bottom air return and rear air return; ●Different sterilization filters are optional; ●Optional WiFi wired controller. Special functional series： ●Equipped with MODBUS interface, which can be directly connected to the BMS; BACnet gateway is optional; ●It can be directly connected to a centralized controller and can share a centralized controller with GREE GMV6 for centralized control; ●Plasmacluster ion sterilization module is included, for a healthy and comfortable environment.
	GUD24PHS1/A-S(E) GUD24PH1/A-S(E)	24200/27300	CF022N4770 CF022N4780		
	GUD36PHS1/A-S(E) GUD36PH1/A-S(E)	35800/39200	CF022N4820 CF022N4750		
	GUD48PHS1/A-S(E) GUD48PH1/A-S(E)	47800/54600	CF022N4810 CF022N4740		
	GUD60PHS1/A-S(E) GUD60PH1/A-S(E)	54500/58000	CF022N4800 CF022N4730		

	Model	Rated Cooling/ Heating Capacity （Btu/h）	Product Code	Appearance	Features
Floor Ceiling Type	GUD36ZD1/A-S(E)	10.50/11.20	ED020N2680		●Two installation methods available: floor or ceiling mounted; ●Dual air guide louvers for multi-layer air discharge and higher level of comfort; the bright white appearance makes it simple and beautiful; ●2 digit 7-segment display of temperature and error codes; ●Plasmacluster ion sterilization module is included, for a healthy and comfortable environment; ●Equipped with MODBUS interface, which can be directly connected to the BMS; BACnet gateway is optional; ●It can be directly connected to a centralized controller and can share a centralized controller with GREE GMV6 for centralized control.
	GUD48ZD1/A-S(E)	14.00/15.00	ED020N2660		
	GUD60ZD1/A-S(E)	15.80/17.00	ED020N2670		

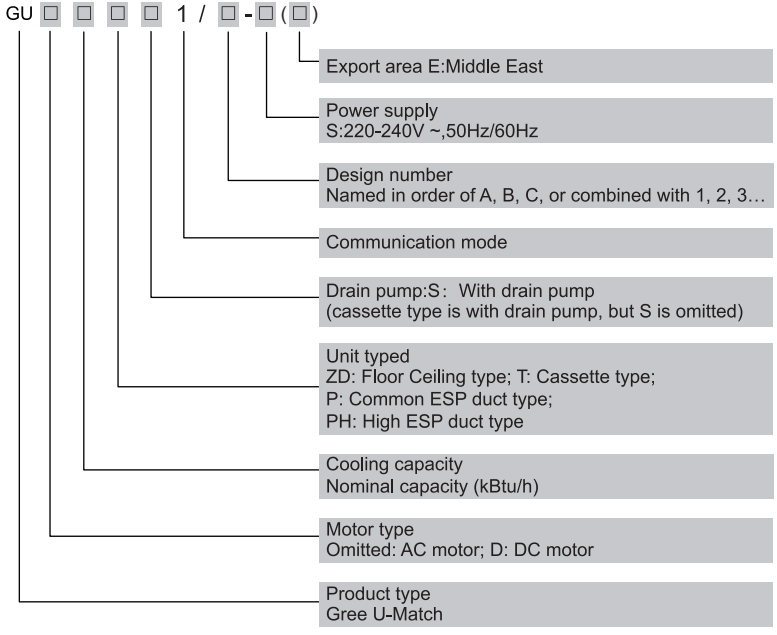
Note: The outdoor unit is compatible with 3 types of indoor units: cassette type, duct type and floor ceiling type.

2 NOMENCLATURE

2.1 Nomenclature of Outdoor Unit



2.2 Nomenclature of Indoor Unit



3 PRODUCT FEATURES

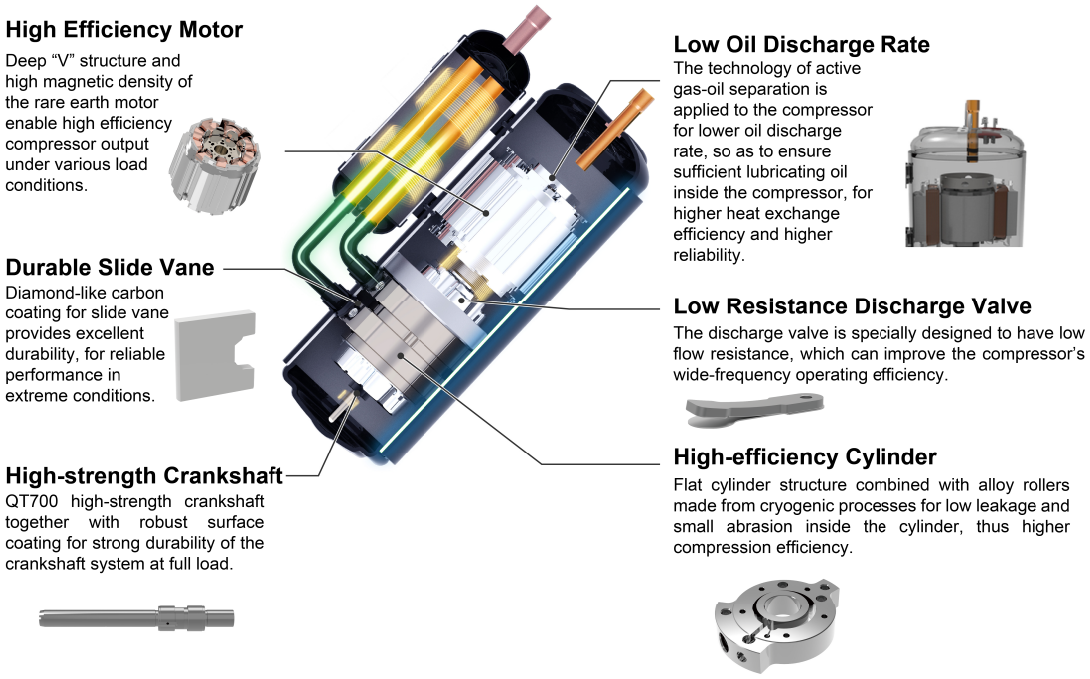
3.1 Wide application

Gree High-efficiency U-Match Series can be widely applied in small-sized super markets, chain stores, hotels, restaurants, office rooms, meeting rooms, etc., especially suitable for small-sized commercial and industrial applications. According to the actual installation requirements, indoor units of cassette type, duct type, floor ceiling type are available.

3.2 High Energy Efficiency

U-Match Series adopt R410A refrigerant. Thanks to the high-efficiency structural design, all DC inverter control, high-efficiency compressor and motor, optimized wind field design and enhanced heat exchange technology. The series possess the feature of energy saving.

3.2.1 High Efficiency Compressor



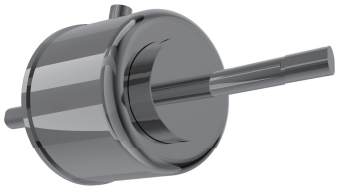
3.2.2 High-Efficiency DC Motor

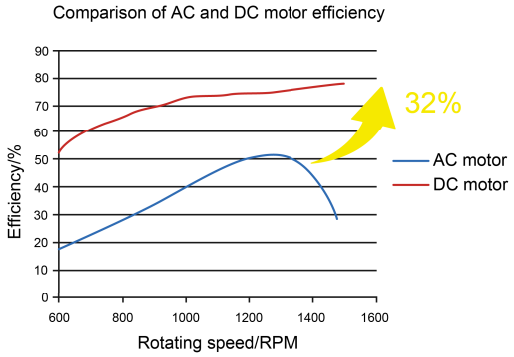
- DC Brushless Motor (outdoor)

Thanks to the high-efficiency DC inverter design and high-power density structure, the external motor has less magnetic flux leakage and less loss. Motor efficiency is 32% higher than that of conventional AC motors.



- DC Brushless Motor (indoor)

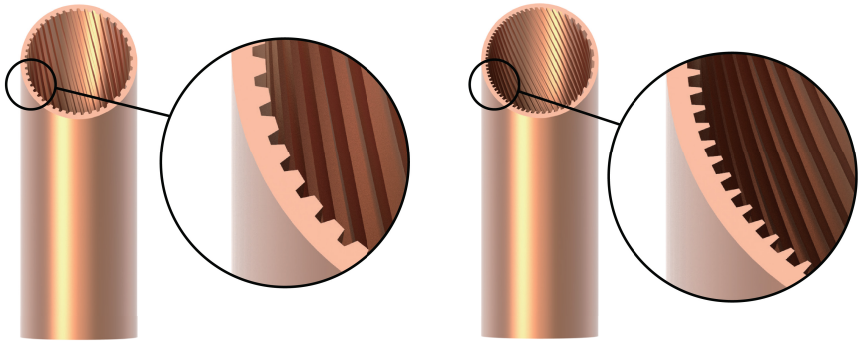




3.2.3 Enhanced Heat Exchange Design

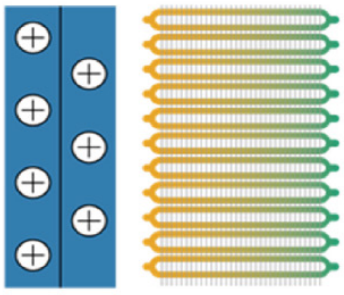
- The newly designed inner grooved copper pipe can effectively improve heat exchange performance.

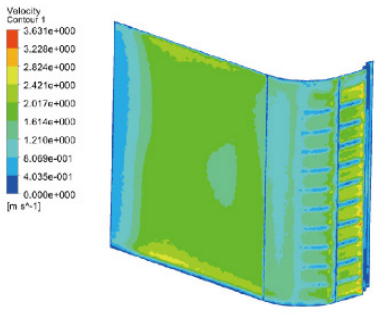
Smaller addendum angle helps to increase the internal heat transfer area;
Larger helix angle helps to improve turbulence intensity and enhance convective heat transfer;
More teeth, larger internal heat transfer area, higher heat exchange efficiency



Old Series　　New Series

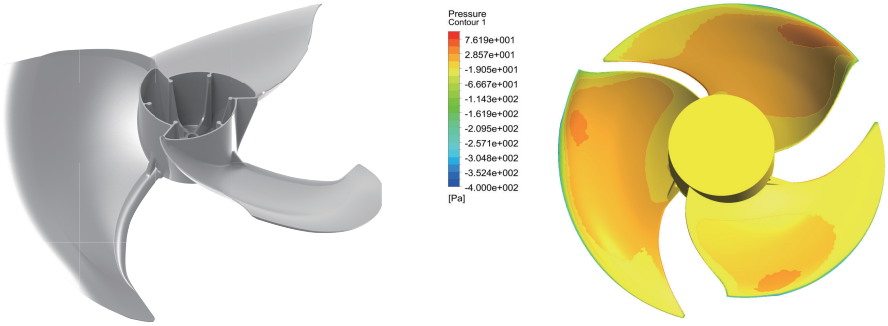
- The low resistance distribution type sub-cooling flow path, new type fins and optimized wind field design also contribute to the increase of heat exchange efficiency.





3.2.4 Wind Field Optimization

- **Low wind resistance grille:** 2% increase in air volume by optimizing the raindrop grille and rotating divergent low wind resistance structure.
- **Low wind resistance motor support:** the U-shaped motor support results in 55% decrease in windward area and 1.5% increase in air volume.
- **Efficient bionic fan blades:** bionic fan blades with long chord length and a big rooting-in angle are used to improve the aerodynamic performance of the fan, leading to 10% increase in air volume.

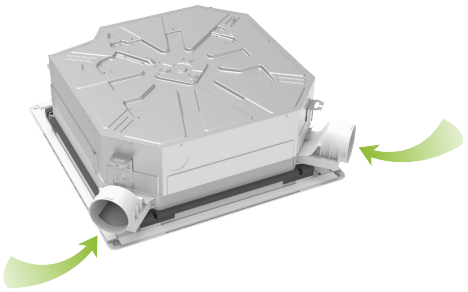


3.3 Health Protection

3.3.1 Fresh Air Control

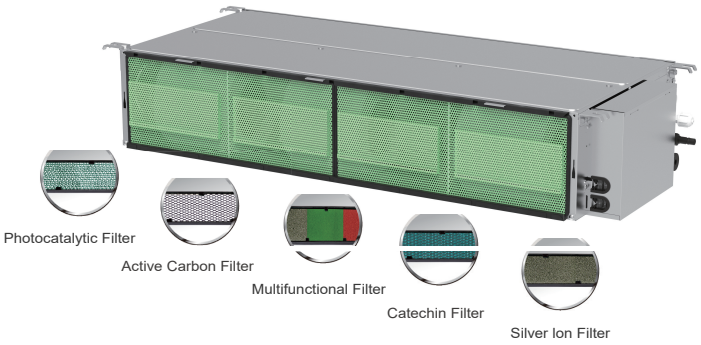
Duct units and floor ceiling units of the entire series are equipped with fresh air inlets. They can introduce 8% ~ 12% fresh outside air into the room to ensure fresh indoor air.

For cassette units with large panels, we offer optional fresh air accessories which can effectively bring in 5% ~ 10% fresh outside air.



3.3.2 Various Options of Sterilization Filters

Different choices of sterilization modules are offered to be installed on the filter (e.g. catechin, active carbon, etc…)



Note: applicable to duct units of 48K and 60K only.

3.3.3 Plasmacluster Ion Sterilization

Through high-voltage discharge of the plasmacluster ion module, the air is ionized and generates a large number of ions, which then combine with bacteria and viruses to make them inactivated.

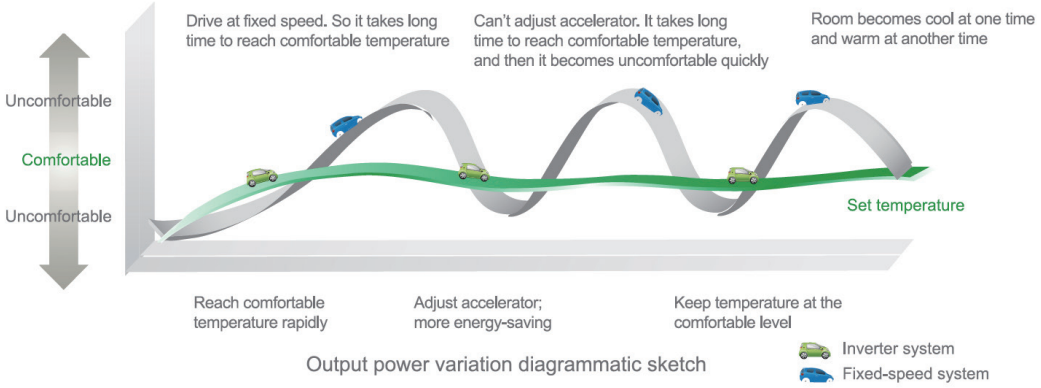


Note: Plasmacluster Ion Sterilization is standard for special functional series.

3.4 Enhanced Comfort

3.4.1 Stable Temperature Control

Gree U-Match Series provide stable temperature control and more comfortable user experience by adopting DC inverter compressors with variable capacity output, DC motors with stepless speed regulation, electronic expansion valves with accurate flow control ranging from 0 to 480P, and ambient temperature sensing technology with a precision of ±0.5˚C .



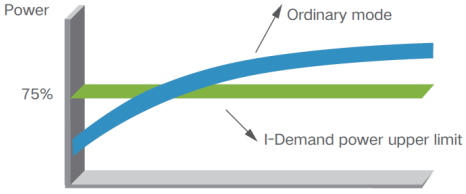
3.4.2 Fast Cooling & Heating

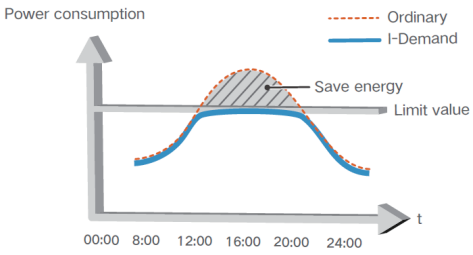
By detecting the set temperature, indoor and outdoor ambient temperatures, it will automatically enable fast cooling or heating, which is 20% faster than standard cooling or heating.



3.4.3 I-demand

This function enables the air conditioner to operate at less than 75% rated power. For some places where governments have restriction in power use during peak hours, it helps reduce the power consumption of the units and save energy.





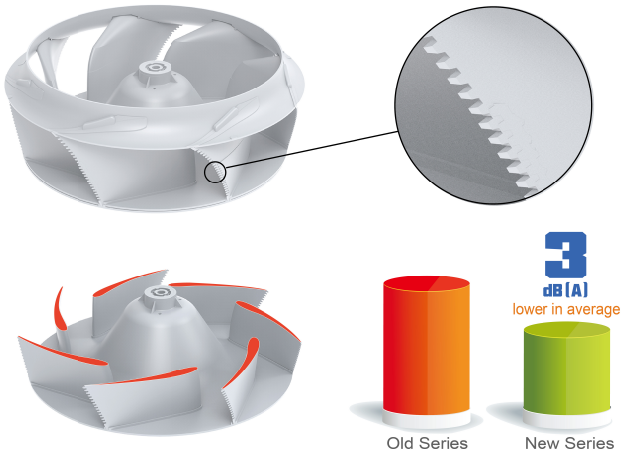
3.4.4 Quiet Design

3.4.4.1 Bionic Fan Blade Design for Lower Noise

Noise is reduced by 3dB(A) through the optimization of the fan blade profile.

Based on a full analysis of the low resistance and silent characteristics of birds flying at high speed, the fan blades are designed with the shape of eagle wings to improve the air flow on the surface of the blade rotating at high speed, and to suppress the trailing edge noise intensity of the blade for lower noise.

The tail of the blade imitates the serrated shape of eagle wings, to reach excellent aerodynamic performance and low noise after repeated software simulations and optimization.



3.4.4.2 Compressor Quiet Design

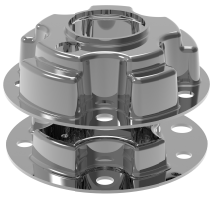
① New Flange Support Structure

New support structure of flange component has high stiffness, low vibration and improved sound quality.



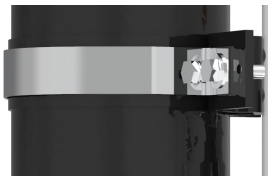
② Dual-layer Sound Absorption Design

Wide-spectrum sound absorption structure, leading to significant reduction in exhaust noise.



③ Newly Designed Support

High-strength support is used to avoid sympathetic vibration, enabling lower operating sound.



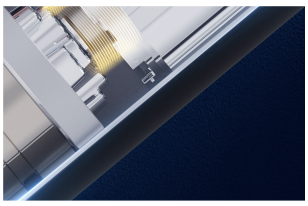
④ L-shaped Feet

L-shaped compressor feet are adopted to lower the center of gravity and reduce vibration.



⑤ Reservoir

Thicker casing is designed to improve the Compressor's stiffness and reduce noise radiation.





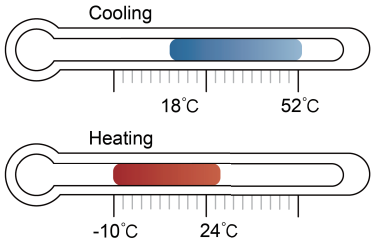
3.5 Reliability

3.5.1 Wide Operation Range

The cooling system equipped with all DC inverter technology adopts stepless speed regulation for its compressor and fan motor for the electronic expansion valve, which ensure reliable operation in a wide operation range, making the units well-suited to a wider range of applications.

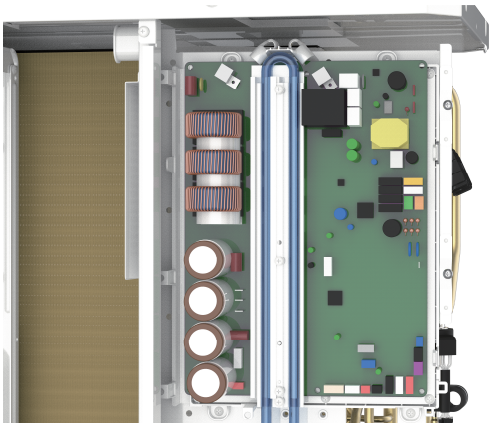
Ambient temperature range for cooling: 18˚C ~52˚C

Ambient temperature range for heating: -10˚C ~24˚C



3.5.2 Efficient Heat Dissipation

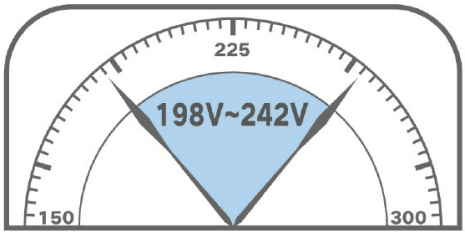
The electric box uses refrigerant to guarantee high efficiency in heat dissipation. The temperature of the controller power module will not affected by the ambient temperature, ensuring reliable operation and longer life.



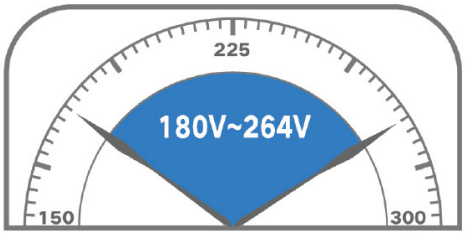
Note: Models of 48K and 60K dissipate heat through refrigerant.

3.5.3 Wide Voltage Range

Through the optimization of drive and electronic control parameters, Gree U-Match Series can operate in a wide voltage range and run normally even if the voltage is down to 180V. They can be used in islands or places with unstable power supply.



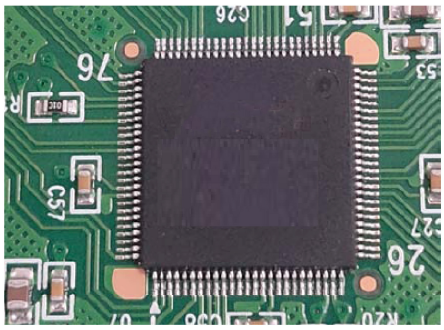
Others



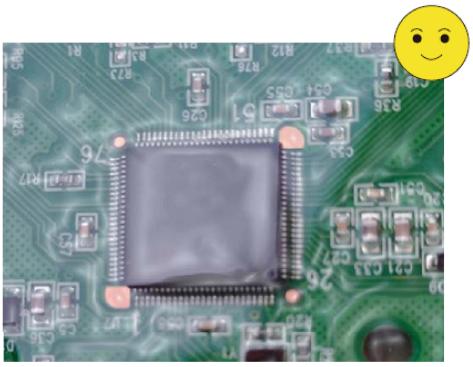
Gree

3.5.4 PCB 3-layer Anticorrosion Coating

PCB boards of outdoor units all have three layers of anticorrosion coating, which can prevent moisture, insects and dust.



Before coating

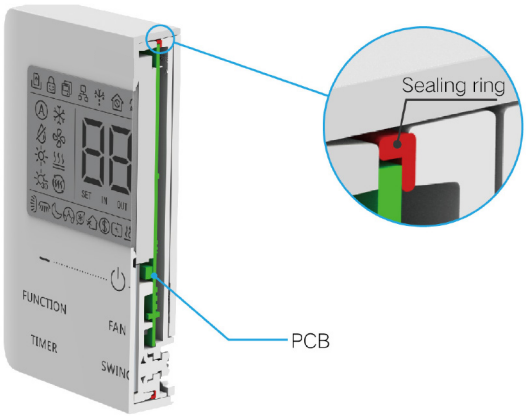


After coating with three anticorrosion layers

3.5.5 Wired Controller Moisture-proof

The wired controller adopts double moisture-proof sealing designs, which can effectively protect the PCB from dampness.

Responsive and water-proof touch buttons, can realize long service life.



3.5.6 Gold Anticorrosion Fins

We adopt gold anticorrosion fins for outdoor condensers to meet the requirements for corrosion prevention in Saudi Arabia regions.



Gold fins

Type of aluminum foil	Feature	Anticorrosion time
Gold	Hydrophilic coating High corrosion resistance	1500h

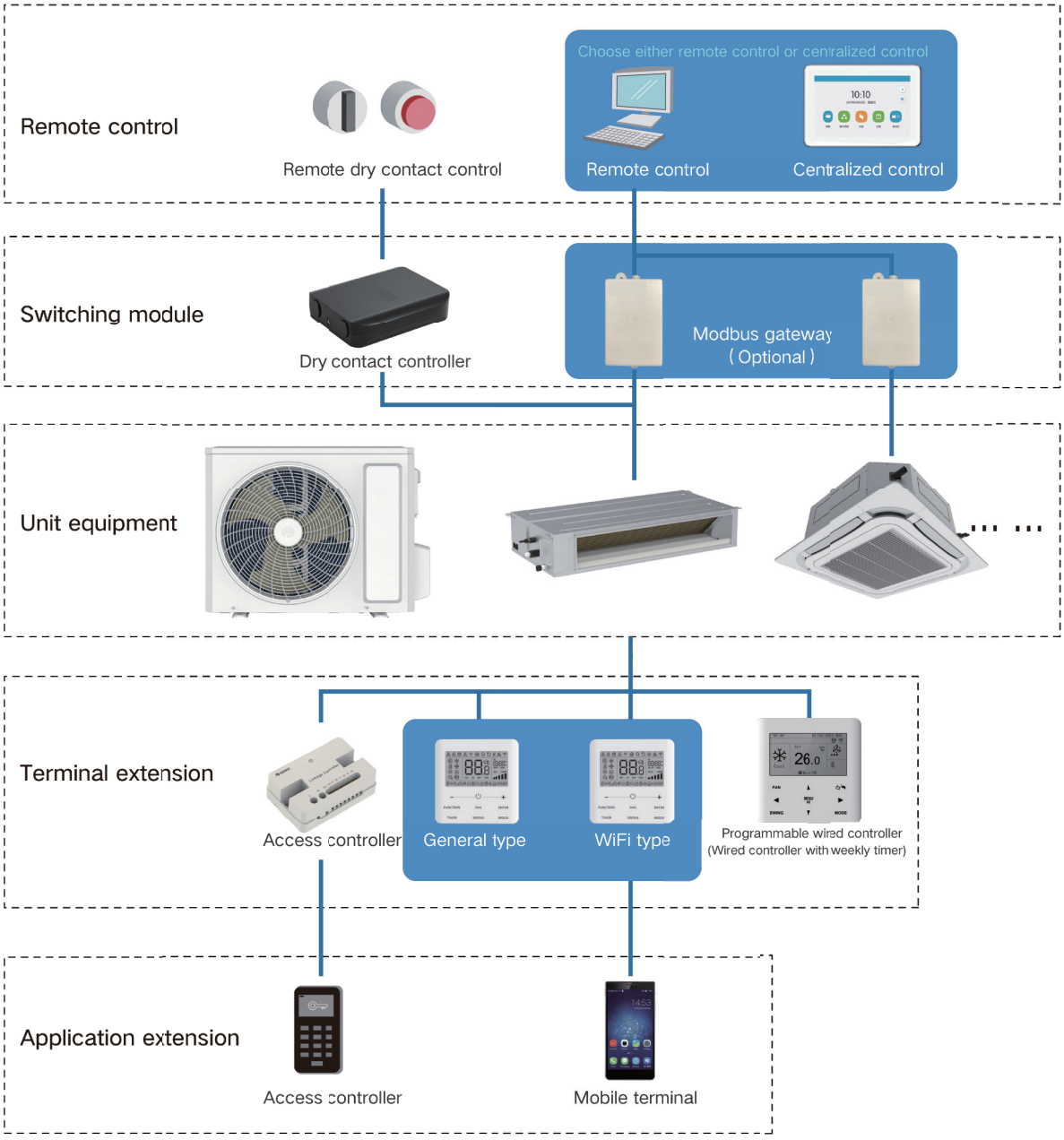
3.5.7 Multiple Safety Protection Measures



3.6 Intelligent Control

3.6.1 Multiple Control Functions

A variety of control modules can be selected, providing multiple intelligent control functions for users.



Notes:

1. Dry contact controller is optional. This picture is for reference only.
2. Please consult our salespersons before placing an order.

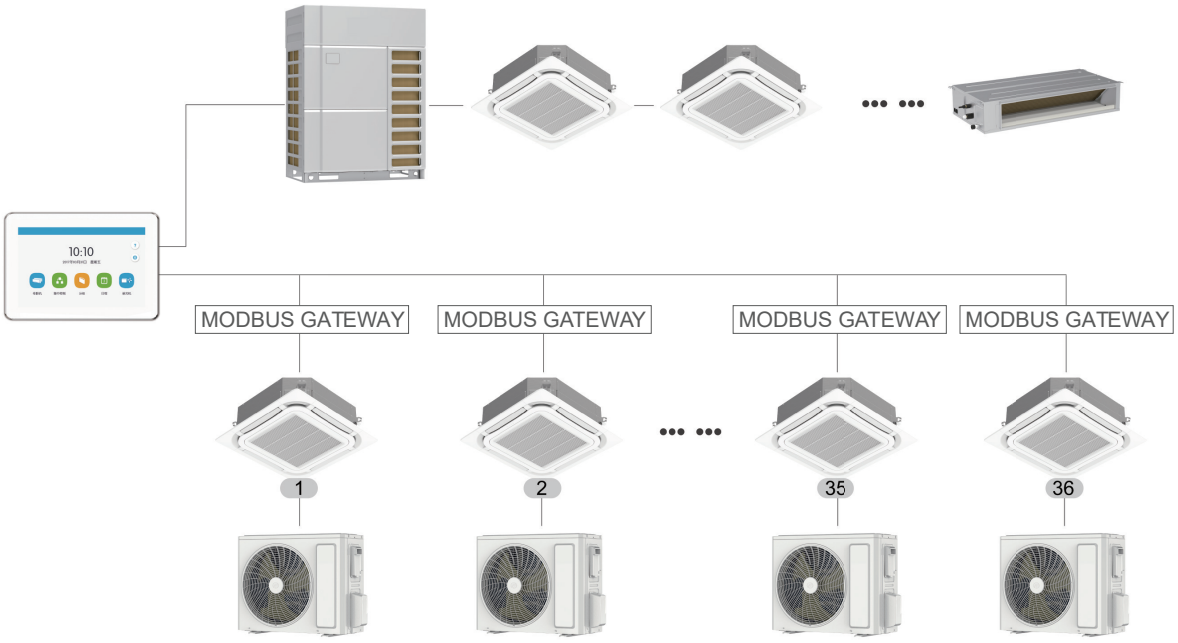
3.6.2 WiFi Intelligent Control (under development)

Air conditioners in the whole house can be centrally controlled by the mobile app, which is more convenient to use.



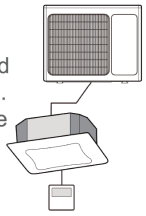
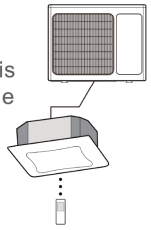
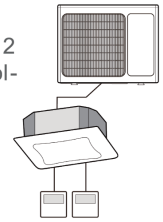
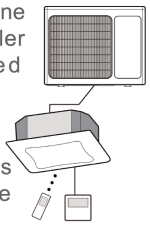
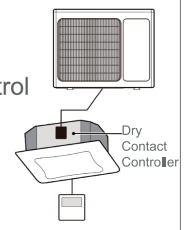
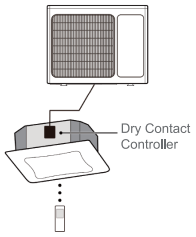
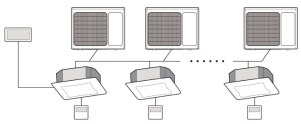
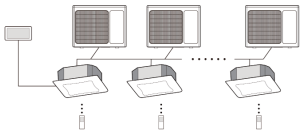
3.6.3 Centralized Control

Our centralized controller (model CE52 - 24/F(C)) can control up to 36 indoor units. It can be connected with Gree GMV units to improve the control intelligence, which is very suitable for commercial and industrial places.



Note: This topology is only for general series. For series with special functions, the Modbus gateway is not needed.

3.6.4 Diversified Control

	Control form	Wired remote controller	Wireless remote controller
Controlled by a single controller	Basic system	Stepless and 2-core (max. length of the wiring is 30m). 	The receiver is installed in the indoor unit. 
Controlled by dual controllers	Dual wired controllers or one wired controller and one remote controller	Connect to 2 wired controllers 	Controlled by one remote controller and one wired controller.  The receiver is installed in the indoor unit
Dry contact control	Input signal to control the unit in virtue of the dry contact in dry contact controller.	Linkage control 	
Central far-end control	The farthest communication distance is 800m; 255 sets of units can be controlled at most; The controllable unit quantity of our central controller is 36 sets.	Central controller (optional components) 	Central controller (optional components) 

NOTE: Wired controller XE7A-24/HC only supports one (or more) indoor unit(s) controlled by one wired controller.

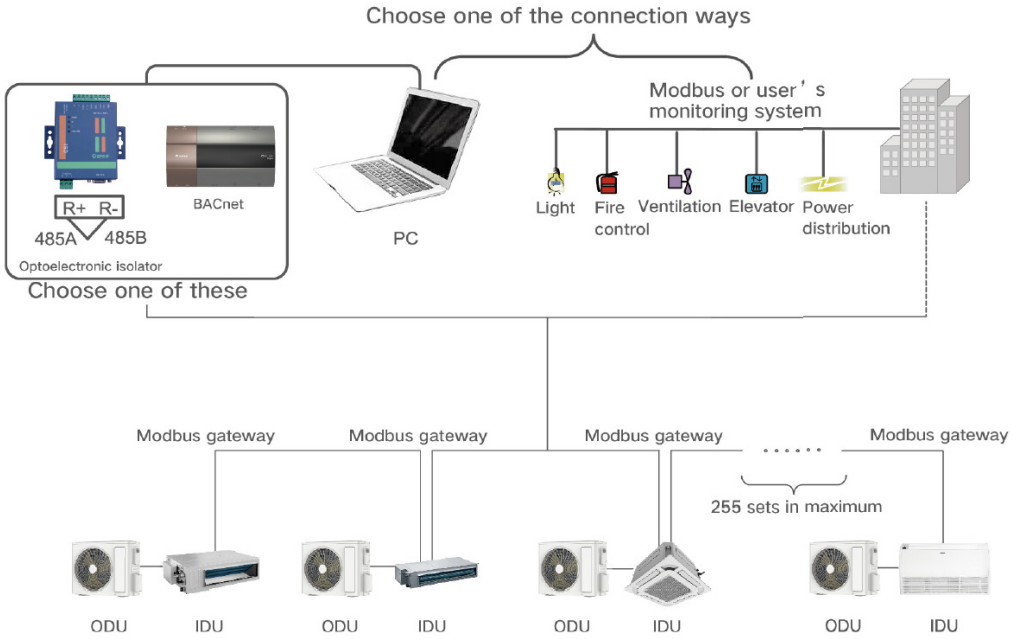
3.6.5 Key card Control LE60-24/H1

Connectable to the control system: Pull the key card to power off the indoor unit and insert the key card to resume operation.



3.6.6 Remote control

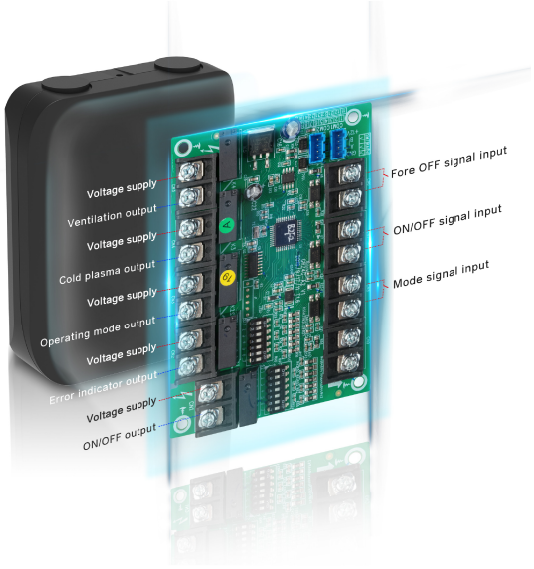
Up to 255 units can be controlled remotely for the convenience of commercial and industrial use. At present, there are 2 gateways for selection: Modbus gateway or BACnet gateway.

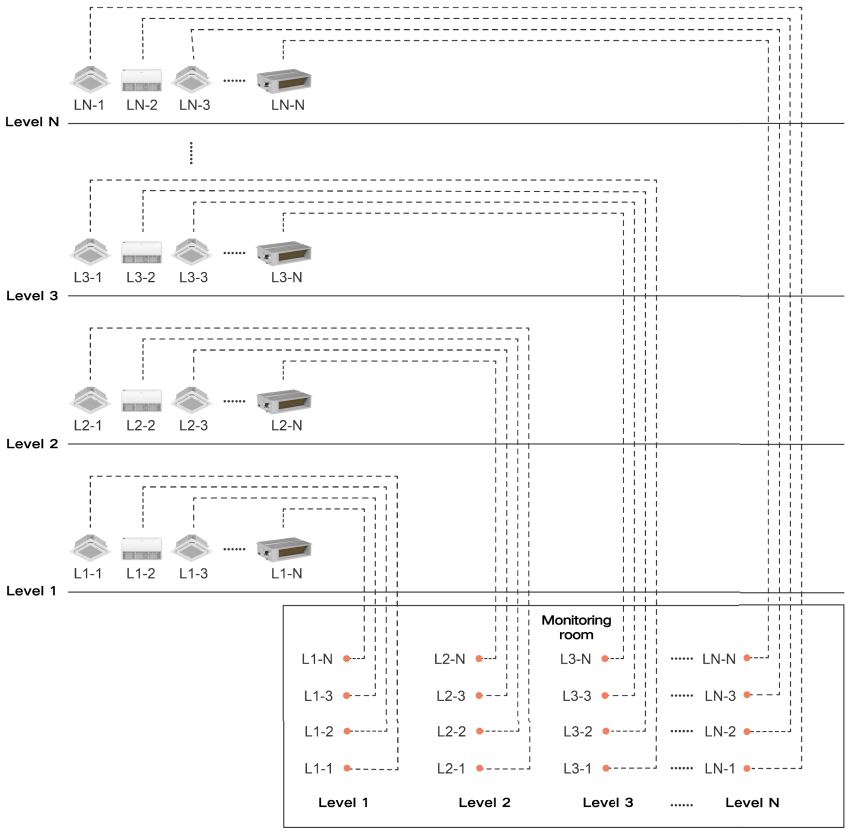


Note: This topology is only for general series. For series with special functions, the Modbus gateway is not needed.

3.6.7 Dry Contact Controller (optional)

Gree dry contact controller (optional) provides signal output contacts for fire alarm, remote ON/OFF switch, operating status, running mode, error indicating, etc.





Application scenario: aircraft boarding bridge, public places, linking with units via ON/OFF signal control.

3.7 IDU (Indoor Unit)

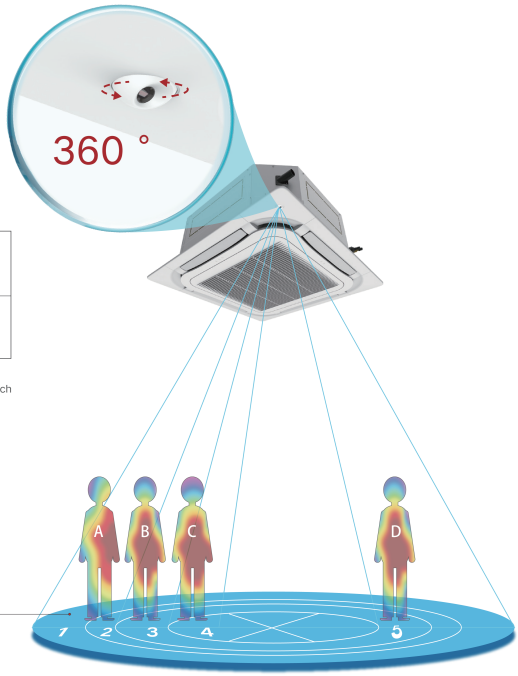
3.7.1 Cassette Type

- 360°Temperature Field Detection Sensor (under development)

We use the industry-leading infrared thermal sensors for our units. With a temperature precision of ±0.5°C, the 32×24 pixel sensor can rotate automatically to detect people's locations in the room.

Ceiling height	2.7m
Detection range (diameter)	About 10m

*The detection range may be different for different installation heights.
The detection range, detection results and air supply will be affected by the environment, such as temperature and obstacles, so the actual performance may vary.

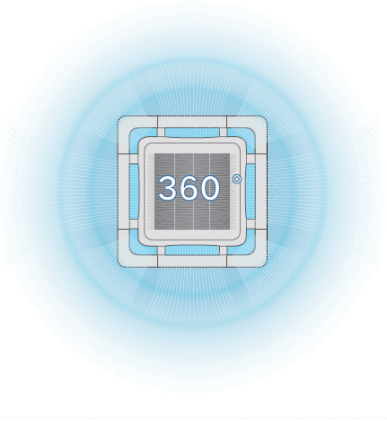


Detect their locations

* The function is optional.

- Balanced Air Supply in 360°

For cassette units, the panels can discharge air in 360°, with wider air supply range and even temperature distribution.





• Top-down Cooling and Bottom-up Heating

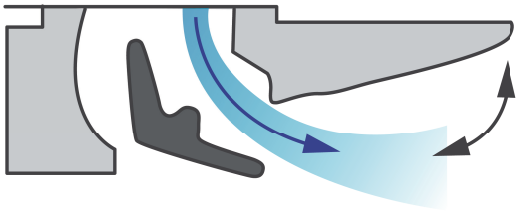
In cooling, the cool air will blow horizontally instead of directly blowing to people; while in heating, the warm air will blow vertically down to the ground.



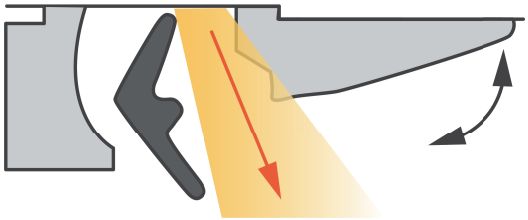
Cooling



Heating



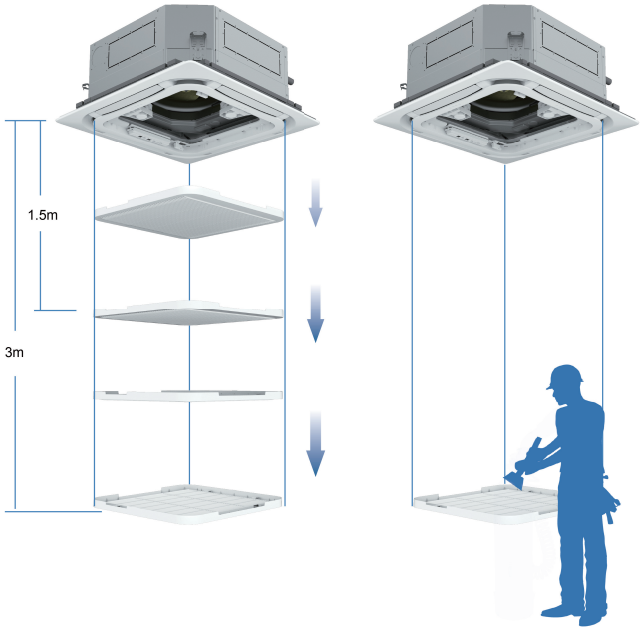
Horizontal air supply in cooling



Vertical air supply in heating

• Auto Lifting Panel

Auto lifting panel is optional for cassette units with large panels. To clean the filter, you can lower it to a designated height by a push of a button. Filter cleaning is simple and safer.



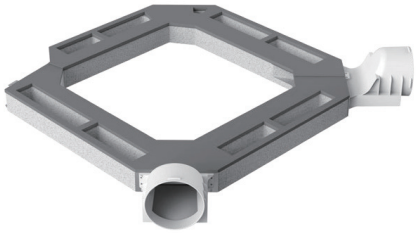
Note:The lifting panel is optional

- Fresh Air Intake Kit

5%-10% fresh outdoor air can be effectively introduced.

Light and durable, it is simple and convenient to install.

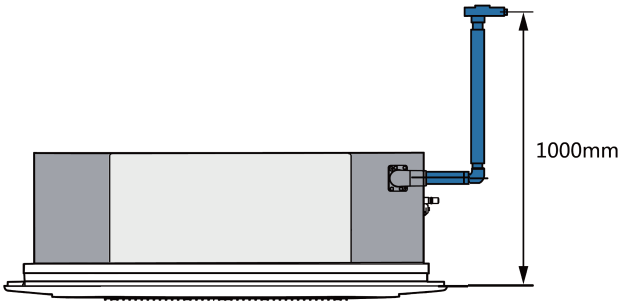
Designed with double air inlets, it uses pressure difference principle to bring in fresh outdoor air without requiring a motor, for the improvement of indoor air quality.



Note: This fresh air intake kit is optional and fit for panel 840×840 only.

- DC Drain Pump with High Lift

12V DC drain pump with 1000mm lift is standard for cassette units. It is energy-efficient and safe due to the DC design and weak current control.

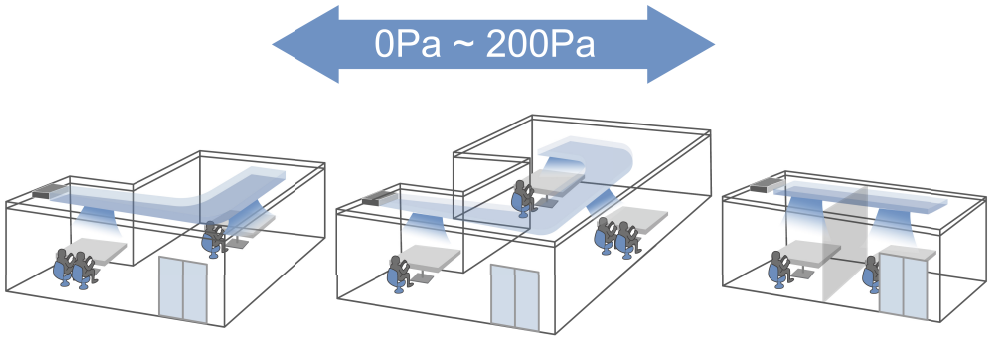


Standard drain pump with the lift up to 1000mm

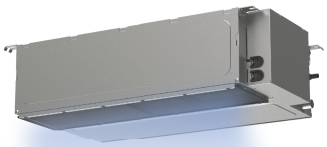
3.7.2 Duct type

- Adjustable External Static Pressure

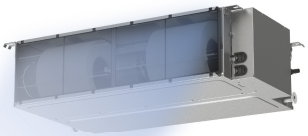
Up to 9 static pressure stages with a maximum of 200Pa can be set. Static pressure can be adjusted according to the actual condition of the room and the air duct length, to suit different air volume requirements.



There are two air return modes to choose from for flexible installation: rear air return and bottom air return.



Bottom air return



Rear air return

It can be connected to the fresh air duct to introduce fresh air from outside to ensure fresh indoor air.

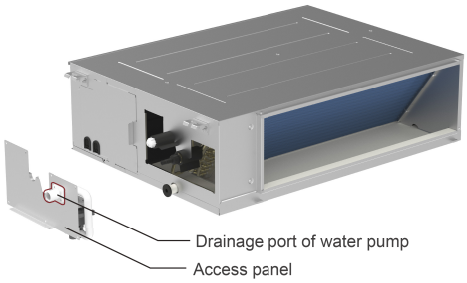




- Optional Drain Pump

Duct units have models with and without water pumps, which can be selected according to user needs. The water pump has a lift of 1 000mm. User can adjust the installation height flexibly to meet the engineering requirements.

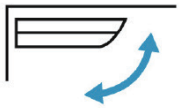




3.7.3 Floor ceiling unit

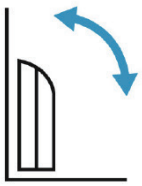
- Floor Ceiling Installation

There are two installation options for users to choose.



Ceiling Mounted





Floor Mounted



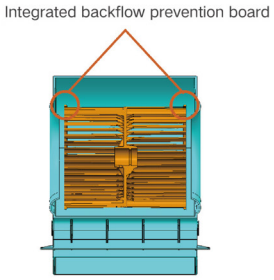
- Dual Air Guide Louvers

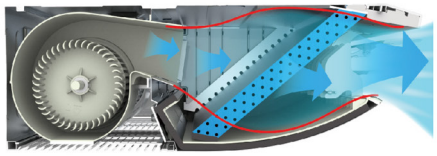
Common Products	GREE
● For many products in the industry, their air outlets are easy to have mould because the air guide louvers cannot be closed completely to avoid dust.	● The dual air guide louvers can be closed completely to prevent dust and insects, thus no risk of mould growth.
 Air louver cannot be completely closed, which will lead to dust accumulation	 Air louvers can be completely closed to avoid dust

- Air Volume Two-stage Pressurization Technology

Unique backflow prevention fan blade can avoid secondary backflow of air supply and improve the efficiency of air supply.

The application of cavity variation technology changes the fluid cross-sectional area, creating a secondary pressure boost that increases the air supply distance by 2.5%.





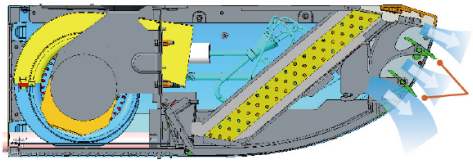
- 2-way Air Return

The 2-way air return design enlarges air return area and increases air volume by 7%.



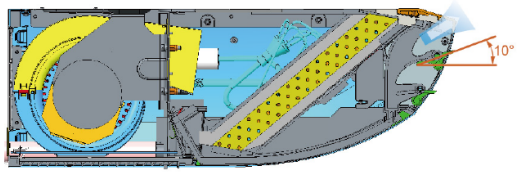
- Multi-angle Air Supply

The floor ceiling type unit adopts dual air guide louvers and flexible air swing structure to achieve multi-angle air supply.

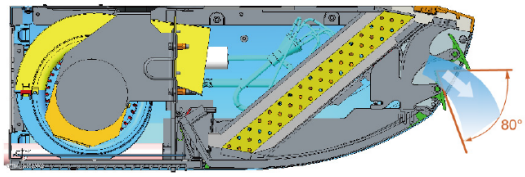


- Double air guide louvers with dislocation air swing structure simulate three-dimensional air supply.
  Double windshields are adopted to realize up and down swing at a large angle.

- The biggest swing angle of the upper air guide louver increased by 10°, for long-distance air supply.

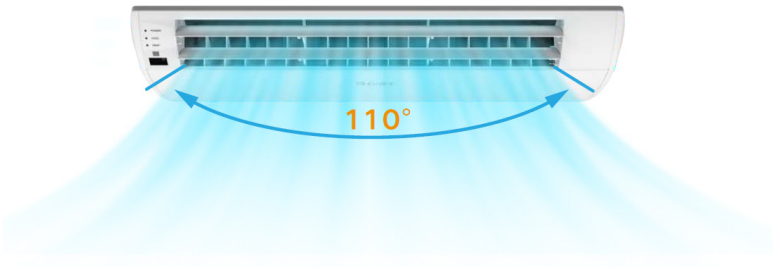


- The biggest swing angle of the lower air guide louver extended by 80°, covering the area right below the AC.



- Large-angle Swing Design

The swing louvers adopt independent distribution design, which allows the left and right air outlet angle to be adjusted freely according to different applications.



4 PRODUCT PARAMETERS

4.1 Cassette Type Data

Model	Indoor unit		GUD18T1/A-S(E)	GUD24T1/A-S(E)	GUD36T1/A-S(E)
	Outdoor unit		GUTD18W1/A-S(E)	GUTD24W1/A-S(E)	GUTD36W1/A-S(E)
Nominal Capacity	Cooling (T1)	kW	5.30	7.10	10.50
		Btu/h	18100	24200	35800
	Cooling (T3)	kW	4.98	6.15	9.00
		Btu/h	17000	21000	30700
	Heating	kW	5.60	8.00	11.30
		Btu/h	19100	27300	38600
Maximum Capacity	Cooling(T1)	kW	5.86	7.74	11.00
		Btu/h	20000	26400	37500
	Cooling(T3)	kW	5.20	6.30	9.20
		Btu/h	17700	21500	31400
	Heating	kW	5.80	8.27	11.80
		Btu/h	19800	28200	40300
Nominal power input	Cooling (T1)	kW	1.39	1.84	3.10
	Cooling (T3)	kW	2.00	2.25	3.50
	Heating	kW	1.42	2.36	3.20
Nominal EER (T1)		W/W	3.81	3.86	3.39
		(Btu/h)/W	13.02	13.15	11.55
Nominal EER (T3)		W/W	2.49	2.73	2.57
		(Btu/h)/W	8.50	9.33	8.77
Nominal COP		W/W	3.94	3.39	3.53
		(Btu/h)/W	13.45	11.57	12.06
Power input range	Cooling(T1)	kW	0.52~1.80	0.68~2.40	0.90-3.50
	Cooling(T3)	kW	0.70~2.30	0.82~2.80	1.00-3.70
	Heating	kW	0.47~1.50	0.80~2.70	0.80~3.50
Indoor unit			GUD18T1/A-S(E)	GUD24T1/A-S(E)	GUD36T1/A-S(E)
Power supply		-	220-240V ~ 50/60Hz	220-240V ~ 50/60Hz	220-240V ~ 50/60Hz
Heat exchanger		-	Cross fin coil	Cross fin coil	Cross fin coil
Fan	Drive type	-	Direct	Direct	Direct
	Motor output	kW	/	/	/
	Airflow volume	m^3/h	1200/1150/1050/950	1300/1200/1100/1000	1800/1600/1400/1200
Sound pressure level (SS/H/M/L)		dB(A)	42/41/40/37	48/46/42/39	49/47/43/40
Air filter		-	PP	PP	PP
Drainage piping		mm	Φ25×1.5	Φ25×1.5	Φ25×1.5
Outline dimensions (W×H×D)		mm	840×200×840	840×200×840	840×240×840
Package dimensions (W×H×D)		mm	943×245×923	943×245×923	933×272×903
Weight(Net/Gross)		kg	21/27	21/27	23/29

U-MATCH SERIES AIR CONDITIONERS

Model	Indoor unit		GUD18T1/A-S(E)	GUD24T1/A-S(E)	GUD36T1/A-S(E)
	Outdoor unit		GUTD18W1/A-S(E)	GUTD24W1/A-S(E)	GUTD36W1/A-S(E)
Outdoor unit			GUTD18W1/A-S(E)	GUTD24W1/A-S(E)	GUTD36W1/A-S(E)
Power supply		-	220-240V ~ 50/60Hz	220-240V ~ 50/60Hz	220-240V ~ 50/60Hz
Heat exchanger		-	Cross fin coil	Cross fin coil	Cross fin coil
Compressor	Type	-	Inverter rotary	Inverter rotary	Inverter rotary
	Power input	kW	1.255	2.119	2.300
Refrigerant	Type		R410A		
	Control	-	Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
	Charge	kg	1.00	1.65	3.00
Outline dimensions (W×H×D)		mm	889×660×340	889×660×340	920×746×370
Package dimensions (W×H×D)		mm	1032×730×456	1032×730×456	1080×800×483
Weight(Net/Gross)		kg	40/44	46/50	61/66
Piping connections	Liquid	Inch	Φ3/8	Φ3/8	Φ3/8
	Gas	Inch	Φ5/8	Φ5/8	Φ5/8
	Max. length	m	30	30	30
	Max. height difference	m	15	15	20

Model	Indoor unit		GUD48T1/A-S(E)	GUD60T1/A-S(E)
	Outdoor unit		GUTD48W1/A-S(E)	GUTD60W1/A-S(E)
Nominal Capacity	Cooling (T1)	kW	14.00	16.00
		Btu/h	47800	54500
	Cooling (T3)	kW	11.30	13.00
		Btu/h	38600	44300
	Heating	kW	16.00	17.00
		Btu/h	54600	58000
Maximum Capacity	Cooling(T1)	kW	14.50	16.20
		Btu/h	49500	55200
	Cooling(T3)	kW	11.50	13.00
		Btu/h	39200	45000
	Heating	kW	16.50	17.20
		Btu/h	56300	58600
Nominal power input	Cooling (T1)	kW	5.20	6.20
	Cooling (T3)	kW	5.35	6.50
	Heating	kW	4.45	5.40
Nominal EER (T1)		W/W	2.69	2.58
		(Btu/h)/W	9.19	8.79
Nominal EER (T3)		W/W	2.11	2.00
		(Btu/h)/W	7.21	6.82
Nominal COP		W/W	3.60	3.15
		(Btu/h)/W	12.27	10.74
Power input range	Cooling(T1)	kW	1.20~5.40	1.60~6.30
	Cooling(T3)	kW	1.50~5.50	1.80~6.90
	Heating	kW	1.00~5.00	1.30~5.60

Model	Indoor unit		GUD48T1/A-S(E)	GUD60T1/A-S(E)
	Outdoor unit		GUTD48W1/A-S(E)	GUTD60W1/A-S(E)
Indoor unit			GUD48T1/A-S(E)	GUD60T1/A-S(E)
Power supply		-	220-240V ~ 50/60Hz	220-240V ~ 50/60Hz
Heat exchanger		-	Cross fin coil	Cross fin coil
Fan	Drive type	-	Direct	Direct
	Motor output	kW	/	/
	Airflow volume	m^3/h	2400/2200/1900/1600	2400/2200/1900/1600
Sound pressure level(SS/H/M/L)		dB(A)	53/51/48/44	53/51/48/44
Air filter		-	PP	PP
Drainage piping		mm	Φ25×1.5	Φ25×1.5
Outline dimensions (W×H×D)		mm	840×290×840	840×290×840
Package dimensions (W×H×D)		mm	933×335×903	933×335×903
Weight(Net/Gross)		kg	26/33	26/33
Outdoor unit			GUTD48W1/A-S(E)	GUTD60W1/A-S(E)
Power supply		-	220-240V ~ 50/60Hz	220-240V ~ 50/60Hz
Heat exchanger		-	Cross fin coil	Cross fin coil
Compressor	Type	-	Inverter rotary	Inverter rotary
	Power input	kW	3.200	4.580
Refrigerant	Type		R410A	
	Control	-	Electronic expansion valve	Electronic expansion valve
	Charge	kg	3.60	3.60
Outline dimensions (W×H×D)		mm	940×820×370	900×1260×340
Package dimensions (W×H×D)		mm	1093×885×497	1033×1405×443
Weight(Net/Gross)		kg	73/80	94/103
Piping connections	Liquid	Inch	Φ3/8	Φ3/8
	Gas	Inch	Φ5/8	Φ5/8
	Max. length	m	50	50
	Max. height difference	m	30	30

Notes:

3. The above data are based on the following conditions.

—	Cooling	Heating
Indoor	DB:27°C / WB:19°C	DB:20°C / WB:15°C
Outdoor	DB:35°C	DB:7°C / WB:6°C

4. Airflow volume rate was measured under applicable standard external static pressure.
5. The sound pressure level is tested in the anechoic room. It would be somewhat different in the actual operation due to environmental change. Indoor and outdoor sound levels are determined in an anechoic chamber and may differ once the unit is installed due to ambient conditions.

4.2 Duct Type Data

Model	Indoor unit		GUD18PHS1/A-S(E)	GUD18PH1/A-S(E)
	Outdoor unit		GUTD18W1/A-S(E)	GUTD18W1/A-S(E)
Nominal capacity	Cooling (T1)	kW	5.30	5.30
		Btu/h	18100	18100
	Cooling (T3)	kW	4.98	4.98
		Btu/h	17000	17000
	Heating	kW	5.60	5.60
		Btu/h	19100	19100
Maximum Capacity	Cooling(T1)	kW	5.86	5.86
		Btu/h	20000	20000
	Cooling(T3)	kW	5.20	5.20
		Btu/h	17700	17700
	Heating	kW	6.20	6.20
		Btu/h	21200	21200
Nominal power input	Cooling (T1)	kW	1.39	1.39
	Cooling (T3)	kW	1.98	1.98
	Heating	kW	1.50	1.50
Nominal EER (T1)		W/W	3.81	3.81
		(Btu/h)/W	13.02	13.02
Nominal EER (T3)		W/W	2.52	2.52
		(Btu/h)/W	8.60	8.60
Nominal COP		W/W	3.73	3.73
		(Btu/h)/W	12.73	12.73
Power input range	Cooling(T1)	kW	0.52~1.80	0.52~1.80
	Cooling(T3)	kW	0.70~2.30	0.70~2.30
	Heating	kW	0.50~1.70	0.50~1.70
Indoor unit			GUD18PHS1/A-S(E)	GUD18PH1/A-S(E)
Power supply		-	220-240V ~ 50/60Hz	220-240V ~ 50/60Hz
Heat exchanger		-	Cross fin coil	Cross fin coil
Fan	Drive type	-	Direct	Direct
	Motor output	kW	/	/
	Airflow volume	m^3/h	1200/1150/1050/950	1200/1150/1050/950
	Rated Ext. static pressure	Pa	25	25
	Ext. static pressure range	Pa	0-125	0-125
Sound pressure level(SS/H/M/L)		dB(A)	40/39/37/35	40/39/37/35
Air filter		-	PPKZ	PPKZ
Drainage piping		mm	Φ26×2.5	Φ26×2.5
Outline dimensions (W×H×D)		mm	900×260×655	900×260×655
Package dimensions (W×H×D)		mm	1115×320×772	1115×320×772
Weight(Net/Gross)		kg	29/33	28/32
Outdoor unit			GUTD18W1/A-S(E)	GUTD18W1/A-S(E)

Model	Indoor unit		GUD18PHS1/A-S(E)	GUD18PH1/A-S(E)
	Outdoor unit		GUTD18W1/A-S(E)	GUTD18W1/A-S(E)
Power supply		-	220-240V ~ 50/60Hz	220-240V ~ 50/60Hz
Heat exchanger		-	Cross Fin Coil	Cross Fin Coil
Compressor	Type	-	Inverter rotary	Inverter rotary
	Power input	kW	1.255	1.255
Refrigerant	Type		R410A	
	Control	-	Electronic expansion valve	Electronic expansion valve
	Charge	kg	1.00	1.00
Outline dimensions (W×H×D)		mm	889×660×340	889×660×340
Package dimensions (W×H×D)		mm	1032×730×456	1032×730×456
Weight(Net/Gross)		kg	40/44	40/44
Piping connections	Liquid	Inch	Φ3/8	Φ3/8
	Gas	Inch	Φ5/8	Φ5/8
	Max. length	m	30	30
	Max. height difference	m	15	15

Model	Indoor unit		GUD24PHS1/A-S(E)	GUD24PH1/A-S(E)
	Outdoor unit		GUTD24W1/A-S(E)	GUTD24W1/A-S(E)
Nominal capacity	Cooling (T1)	kW	7.10	7.10
		Btu/h	24200	24200
	Cooling (T3)	kW	6.15	6.15
		Btu/h	21000	21000
	Heating	kW	8.00	8.00
		Btu/h	27300	27300
Maximum Capacity	Cooling(T1)	kW	7.91	7.91
		Btu/h	27000	27000
	Cooling(T3)	kW	6.60	6.60
		Btu/h	22500	22500
	Heating	kW	8.74	8.74
		Btu/h	29800	29800
Nominal power input	Cooling (T1)	kW	1.84	1.84
	Cooling (T3)	kW	2.38	2.38
	Heating	kW	2.26	2.26
Nominal EER (T1)		W/W	3.86	3.86
		(Btu/h)/W	13.15	13.15
Nominal EER (T3)		W/W	2.58	2.58
		(Btu/h)/W	8.82	8.82
Nominal COP		W/W	3.54	3.54
		(Btu/h)/W	12.08	12.08
Power input range	Cooling(T1)	kW	0.70~2.50	0.70~2.50
	Cooling(T3)	kW	0.85~2.90	0.85~2.90
	Heating	kW	0.80~2.80	0.80~2.80
Indoor unit			GUD24PHS1/A-S(E)	GUD24PH1/A-S(E)

Model	Indoor unit		GUD24PHS1/A-S(E)	GUD24PH1/A-S(E)
	Outdoor unit		GUTD24W1/A-S(E)	GUTD24W1/A-S(E)
Power supply		-	220-240V ~ 50/60Hz	220-240V ~ 50/60Hz
Heat exchanger		-	Cross fin coil	Cross fin coil
Fan	Drive type	-	Direct	Direct
	Motor output	kW	/	/
	Airflow volume	m^3/h	1400/1250/1150/1000	1400/1250/1150/1000
	Rated Ext. static pressure	Pa	25	25
	Ext. static pressure range	Pa	0-125	0-125
Sound pressure level(SS/H/M/L)		dB(A)	45/42/40/37	45/42/40/37
Air filter		-	PP	PP
Drainage piping		mm	Φ26×2.5	Φ26×2.5
Outline dimensions (W×H×D)		mm	900×260×655	900×260×655
Package dimensions (W×H×D)		mm	1115×320×772	1115×320×772
Weight(Net/Gross)		kg	30/34	29/33
Outdoor unit			GUTD24W1/A-S(E)	GUTD24W1/A-S(E)
Power supply		-	220-240V ~ 50/60Hz	220-240V ~ 50/60Hz
Heat exchanger		-	Cross Fin Coil	Cross Fin Coil
Compressor	Type	-	Inverter rotary	Inverter rotary
	Power input	kW	2.119	2.119
Refrigerant	Type		R410A	
	Control	-	Electronic expansion valve	Electronic expansion valve
	Charge	kg	1.65	1.65
Outline dimensions (W×H×D)		mm	889×660×340	889×660×340
Package dimensions (W×H×D)		mm	1032×730×456	1032×730×456
Weight(Net/Gross)		kg	46/50	46/50
Piping connections	Liquid	Inch	Φ3/8	Φ3/8
	Gas	Inch	Φ5/8	Φ5/8
	Max. length	m	30	30
	Max. height difference	m	15	15

Model	Indoor unit		GUD36PHS1/A-S(E)	GUD36PH1/A-S(E)
	Outdoor unit		GUTD36W1/A-S(E)	GUTD36W1/A-S(E)
Nominal capacity	Cooling (T1)	kW	10.50	10.50
		Btu/h	35800	35800
	Cooling (T3)	kW	9.00	9.00
		Btu/h	30700	30700
	Heating	kW	11.50	11.50
		Btu/h	39200	39200
Maximum Capacity	Cooling(T1)	kW	11.00	11.00
		Btu/h	37500	37500
	Cooling(T3)	kW	9.20	9.20
		Btu/h	31400	31400
	Heating	kW	12.00	12.00
		Btu/h	40900	40900
Nominal power input	Cooling (T1)	kW	3.20	3.20
	Cooling (T3)	kW	3.60	3.60
	Heating	kW	3.50	3.50
Nominal EER (T1)		W/W	3.28	3.28
		(Btu/h)/W	11.19	11.19
Nominal EER (T3)		W/W	2.50	2.50
		(Btu/h)/W	8.53	8.53
Nominal COP		W/W	3.29	3.29
		(Btu/h)/W	11.20	11.20
Power input range	Cooling(T1)	kW	0.85-3.50	0.85-3.50
	Cooling(T3)	kW	1.00-3.70	1.00-3.70
	Heating	kW	0.85-3.70	0.85-3.70
Indoor unit			GUD36PHS1/A-S(E)	GUD36PH1/A-S(E)
Power supply		-	220-240V ~ 50/60Hz	220-240V ~ 50/60Hz
Heat exchanger		-	Cross fin coil	Cross fin coil
Fan	Drive type	-	Direct	Direct
	Motor output	kW	/	/
	Airflow volume	m^3/h	1800/1600/1400/1200	1800/1600/1400/1200
	Rated Ext. static pressure	Pa	37	37
	Ext. static pressure range	Pa	0-125	0-125
Sound pressure level(SS/H/M/L)		dB(A)	46/45/43/41	46/45/43/41
Air filter		-	PP	PP
Drainage piping		mm	Φ26×2.5	Φ26×2.5
Outline dimensions (W×H×D)		mm	900×260×655	900×260×655
Package dimensions (W×H×D)		mm	1115×320×772	1115×320×772
Weight(Net/Gross)		kg	30/34	29/33
Outdoor unit			GUTD36W1/A-S(E)	GUTD36W1/A-S(E)
Power supply		-	220-240V ~ 50/60Hz	220-240V ~ 50/60Hz
Heat exchanger		-	Cross Fin Coil	Cross Fin Coil

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Model	Indoor unit		GUD36PHS1/A-S(E)	GUD36PH1/A-S(E)
	Outdoor unit		GUTD36W1/A-S(E)	GUTD36W1/A-S(E)
Compressor	Type	-	Inverter rotary	Inverter rotary
	Power input	kW	2.300	2.300
Refrigerant	Type		R410A	
	Control	-	Electronic expansion valve	Electronic expansion valve
	Charge	kg	3.00	3.00
Outline dimensions (W×H×D)		mm	920×746×370	920×746×370
Package dimensions (W×H×D)		mm	1080×800×483	1080×800×483
Weight(Net/Gross)		kg	61/66	61/66
Piping connections	Liquid	Inch	Φ3/8	Φ3/8
	Gas	Inch	Φ5/8	Φ5/8
	Max. length	m	30	30
	Max. height difference	m	20	20

Model	Indoor unit		GUD48PHS1/A-S(E)	GUD48PH1/A-S(E)
	Outdoor unit		GUTD48W1/A-S(E)	GUTD48W1/A-S(E)
Nominal capacity	Cooling (T1)	kW	14.00	14.00
		Btu/h	47800	47800
	Cooling (T3)	kW	12.00	12.00
		Btu/h	40900	40900
	Heating	kW	16.00	16.00
		Btu/h	54600	54600
Maximum Capacity	Cooling(T1)	kW	14.60	14.60
		Btu/h	49800	49800
	Cooling(T3)	kW	12.60	12.60
		Btu/h	43000	43000
	Heating	kW	16.50	16.50
		Btu/h	56300	56300
Nominal power input	Cooling (T1)	kW	4.80	4.80
	Cooling (T3)	kW	5.75	5.75
	Heating	kW	4.40	4.40
Nominal EER (T1)		W/W	2.92	2.92
		(Btu/h)/W	9.96	9.96
Nominal EER (T3)		W/W	2.09	2.09
		(Btu/h)/W	7.11	7.11
Nominal COP		W/W	3.64	3.64
		(Btu/h)/W	12.41	12.41
Power input range	Cooling(T1)	kW	1.20~5.50	1.20~5.50
	Cooling(T3)	kW	1.50~6.20	1.50~6.20
	Heating	kW	1.00~5.00	1.00~5.00
Indoor unit			GUD48PHS1/A-S(E)	GUD48PH1/A-S(E)
Power supply		-	220-240V ~ 50/60Hz	220-240V ~ 50/60Hz
Heat exchanger		-	Cross fin coil	Cross fin coil

Model	Indoor unit		GUD48PHS1/A-S(E)	GUD48PH1/A-S(E)
	Outdoor unit		GUTD48W1/A-S(E)	GUTD48W1/A-S(E)
Fan	Drive type	-	Direct	Direct
	Motor output	kW	/	/
	Airflow volume	m^3/h	2800/2500/2200/1800	2800/2500/2200/1800
	Rated Ext. static pressure	Pa	50	50
	Ext. static pressure range	Pa	0-200	0-200
Sound pressure level(SS/H/M/L)		dB(A)	48/45/44/41	48/45/44/41
Air filter		-	PP	PP
Drainage piping		mm	Φ26×2.5	Φ26×2.5
Outline dimensions (W×H×D)		mm	1400×300×700	1400×300×700
Package dimensions (W×H×D)		mm	1601×365×813	1601×365×813
Weight(Net/Gross)		kg	53/60	52/59
Outdoor unit			GUTD48W1/A-S(E)	GUTD48W1/A-S(E)
Power supply		-	220-240V ~ 50/60Hz	220-240V ~ 50/60Hz
Heat exchanger		-	Cross Fin Coil	Cross Fin Coil
Compressor	Type	-	Inverter rotary	Inverter rotary
	Power input	kW	3.200	3.200
Refrigerant	Type		R410A	
	Control	-	Electronic expansion valve	Electronic expansion valve
	Charge	kg	3.60	3.60
Outline dimensions (W×H×D)		mm	940×820×370	940×820×370
Package dimensions (W×H×D)		mm	1093×885×497	1093×885×497
Weight(Net/Gross)		kg	73/80	73/80
Piping connections	Liquid	Inch	Φ3/8	Φ3/8
	Gas	Inch	Φ5/8	Φ5/8
	Max. length	m	50	50
	Max. height difference	m	30	30

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Model	Indoor unit		GUD60PHS1/A-S(E)	GUD60PH1/A-S(E)
	Outdoor unit		GUTD60W1/A-S(E)	GUTD60W1/A-S(E)
Nominal capacity	Cooling (T1)	kW	16.00	16.00
		Btu/h	54500	54500
	Cooling (T3)	kW	13.40	13.40
		Btu/h	45700	45700
	Heating	kW	17.00	17.00
		Btu/h	58000	58000
Maximum Capacity	Cooling(T1)	kW	16.20	16.20
		Btu/h	55200	55200
	Cooling(T3)	kW	13.90	13.90
		Btu/h	47400	47400
	Heating	kW	17.20	17.20
		Btu/h	58600	58600
Nominal power input	Cooling (T1)	kW	6.30	6.30
	Cooling (T3)	kW	6.10	6.10
	Heating	kW	5.00	5.00
Nominal EER (T1)		W/W	2.54	2.54
		(Btu/h)/W	8.65	8.65
Nominal EER (T3)		W/W	2.20	2.20
		(Btu/h)/W	7.49	7.49
Nominal COP		W/W	3.40	3.40
		(Btu/h)/W	11.60	11.60
Power input range	Cooling(T1)	kW	1.60~6.40	1.60~6.40
	Cooling(T3)	kW	1.80~7.00	1.80~7.00
	Heating	kW	1.30~5.20	1.30~5.20
Indoor unit			GUD60PHS1/A-S(E)	GUD60PH1/A-S(E)
Power supply		-	220-240V ~ 50/60Hz	220-240V ~ 50/60Hz
Heat exchanger		-	Cross fin coil	Cross fin coil
Fan	Drive type	-	Direct	Direct
	Motor output	kW	/	/
	Airflow volume	m^3/h	2800/2500/2200/1800	2800/2500/2200/1800
	Rated Ext. static pressure	Pa	50	50
	Ext. static pressure range	Pa	0-200	0-200
Sound pressure level(SS/H/M/L)		dB(A)	48/45/44/41	48/45/44/41
Air filter		-	PP	PP
Drainage piping		mm	Φ26×2.5	Φ26×2.5
Outline dimensions (W×H×D)		mm	1400×300×700	1400×300×700
Package dimensions (W×H×D)		mm	1601×365×813	1601×365×813
Weight(Net/Gross)		kg	55/62	54/61
Outdoor unit			GUTD60W1/A-S(E)	GUTD60W1/A-S(E)
Power supply		-	220-240V ~ 50/60Hz	220-240V ~ 50/60Hz
Heat exchanger		-	Cross fin coil	Cross fin coil

Model	Indoor unit		GUD60PHS1/A-S(E)	GUD60PH1/A-S(E)
	Outdoor unit		GUTD60W1/A-S(E)	GUTD60W1/A-S(E)
Compressor	Type	-	Inverter rotary	Inverter rotary
	Power input	kW	4.580	4.580
Refrigerant	Type		R410A	
	Control	-	Electronic expansion valve	Electronic expansion valve
	Charge	kg	3.60	3.60
Outline dimensions (W×H×D)		mm	900×1260×340	900×1260×340
Package dimensions (W×H×D)		mm	1033×1405×443	1033×1405×443
Weight(Net/Gross)		kg	94/103	94/103
Piping connections	Liquid	Inch	Φ3/8	Φ3/8
	Gas	Inch	Φ5/8	Φ5/8
	Max. length	m	50	50
	Max. height difference	m	30	30

Notes:

1. Air Volume was measured under applicable standard static pressure.
2. Above cooling (heating) capacity is measured under rated working condition. Parameters may be changed due to product improvement. Please refer to the product nameplate as final.
3. Nominal capacities are based on the follow conditions.

—		Indoor°C（°F）	Outdoor°C（°F）
Cooling	T1	DB:27(80.6)	DB:35(95)
		WB:19(66.2)	WB:24(75.2)
	T3	DB: 29(84.2)	DB: 46 (114.8)
		WB: 19 (66.2)	WB: 24 (75.2)
Heating		DB:20(68)	DB:7(44.6)
		WB:--(--)	WB:6(42.8)
Piping Length	Duct type/ Cassette type	18~36k：5m	
		48~60k：7.5m	

4. Noise is tested in the semianechoic room, so it may be different in the actual operation due to environmental change.

4.3 Floor Ceiling Type Data

Model	Indoor unit		GUD36ZD1/A-S(E)	GUD48ZD1/A-S(E)	GUD60ZD1/A-S(E)
	Outdoor unit		GUTD36W1/A-S(E)	GUTD48W1/A-S(E)	GUTD60W1/A-S(E)
Nominal Capacity	Cooling (T1)	kW	10.50	14.00	15.80
		Btu/h	35800	47800	53900
	Cooling (T3)	kW	9.00	12.00	13.40
		Btu/h	30700	40900	45700
	Heating	kW	11.20	15.00	17.00
		Btu/h	38200	51000	58000
Maximum Capacity	Cooling(T1)	kW	11.00	14.60	16.00
		Btu/h	37500	49800	54500
	Cooling(T3)	kW	9.20	12.30	13.90
		Btu/h	31400	42000	47400
	Heating	kW	12.00	16.50	17.50
		Btu/h	40900	56300	59700
Nominal power input	Cooling (T1)	kW	3.10	4.80	6.10
	Cooling (T3)	kW	3.50	5.35	6.50
	Heating	kW	3.20	4.40	5.00
Nominal EER (T1)		W/W	3.39	2.92	2.59
		(Btu/h)/W	11.55	9.96	8.84
Nominal EER (T3)		W/W	2.57	2.24	2.06
		(Btu/h)/W	8.77	7.64	7.03
Nominal COP		W/W	3.50	3.41	3.40
		(Btu/h)/W	11.94	11.59	11.60
Power input range	Cooling(T1)	kW	0.90-3.50	1.20~5.50	1.60~6.30
	Cooling(T3)	kW	1.00-3.70	1.50~5.60	1.80~6.90
	Heating	kW	0.80~3.50	1.00~4.90	1.30~5.80
Indoor unit			GUD36ZD1/A-S(E)	GUD48ZD1/A-S(E)	GUD60ZD1/A-S(E)
Power supply		-	220-240V ~ 50/60Hz	220-240V ~ 50/60Hz	220-240V ~ 50/60Hz
Heat exchanger		-	Cross fin coil	Cross fin coil	Cross fin coil
Fan	Drive type	-	Direct	Direct	Direct
	Motor output	kW	/	/	/
	Airflow volume	m^3/h	1800/1600/1400/1200	2600/2300/2000/1600	2600/2300/2000/1600
Sound pressure level(SS/H/M/L)		dB(A)	50/47/45/43	52/49/47/44	52/49/47/44
Air filter		-	PP	PP	PP
Drainage piping		mm	Φ17×1.5	Φ17×1.5	Φ17×1.5
Outline dimensions (W×H×D)		mm	1200×235×665	1570×235×665	1570×235×665
Package dimensions (W×H×D)		mm	1303×300×770	1669×300×770	1669×300×770
Weight(Net/Gross)		kg	34/39	42/49	42/49
Outdoor unit			GUTD36W1/A-S(E)	GUTD48W1/A-S(E)	GUTD60W1/A-S(E)
Power supply		-	220-240V ~ 50/60Hz	220-240V ~ 50/60Hz	220-240V ~ 50/60Hz
Heat exchanger		-	Cross fin coil	Cross fin coil	Cross fin coil

Model	Indoor unit		GUD36ZD1/A-S(E)	GUD48ZD1/A-S(E)	GUD60ZD1/A-S(E)
	Outdoor unit		GUTD36W1/A-S(E)	GUTD48W1/A-S(E)	GUTD60W1/A-S(E)
Compressor	Type	-	Inverter rotary	Inverter rotary	Inverter rotary
	Power input	kW	2.300	3.200	4.580
Refrigerant	Type		R410A		
	Control	-	Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
	Charge	kg	3.00	3.60	3.60
Outline dimensions (W×H×D)		mm	920×746×370	940×820×370	900×1260×340
Package dimensions (W×H×D)		mm	1080×800×483	1093×885×497	1033×1405×443
Weight(Net/Gross)		kg	61/66	73/80	94/103
Piping connections	Liquid	Inch	Φ3/8	Φ3/8	Φ3/8
	Gas	Inch	Φ5/8	Φ5/8	Φ5/8
	Max. length	m	30	50	50
	Max. height difference	m	20	30	30

Notes:

1. The above data are based on the following conditions.

—	Cooling	Heating
Indoor	DB:27°C / WB:19°C	DB:20°C / WB:15°C
Outdoor	DB:35°C / WB:24°C	DB:7°C / WB:6°C

2. The sound pressure level is tested in the anechoic room. It would be somewhat different in the actual operation due to environmental change. Indoor and outdoor sound levels are determined in an anechoic chamber and may differ once the unit is installed due to ambient conditions.

5 OPERATION RANGE

—	Cooling	Heating
Outdoor temperature DB(°C)	18~52	-10~24
Indoor temperature DB/WB(°C) (Maximum)	32/23	27/-

6 CAPACITY CORRECTION

6.1 Table of Performance Correction

6.1.1 Cassette Type

Model：GUD18T1/A-S(E)
Cooling

Fan Speed	Entering air temperature ℃		Outdoor Air Dry Bulb Temperature														
			30℃			35℃			40℃			46℃			52℃		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	WB	DB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	16℃	21℃	4.96	4.12	1.24	4.77	4.01	1.35	4.39	3.69	1.46	4.43	3.81	1.94	3.10	2.73	1.55
		24℃	5.02	5.02	1.24	4.82	4.82	1.35	4.44	4.44	1.46	4.53	4.53	1.94	3.17	3.17	1.55
		27℃	5.18	5.18	1.25	4.98	4.98	1.36	4.58	4.58	1.47	4.68	4.68	1.96	3.28	3.28	1.57
		30℃	5.46	5.46	1.27	5.25	5.25	1.38	4.83	4.83	1.49	5.03	5.03	1.98	3.52	3.52	1.58
	19℃	24℃	5.46	3.98	1.27	5.25	3.88	1.38	4.83	3.57	1.49	4.88	3.66	1.98	3.42	2.63	1.58
		27℃	5.51	4.63	1.28	5.30	4.51	1.39	4.88	4.19	1.50	4.93	4.29	2.00	3.45	3.07	1.60
		29℃	5.57	5.57	1.28	5.35	5.35	1.39	4.92	4.92	1.50	4.98	4.98	2.00	3.49	3.49	1.60
		32℃	5.79	5.79	1.29	5.57	5.57	1.40	5.12	5.12	1.52	5.33	5.33	2.02	3.73	3.73	1.62
	22℃	27℃	6.01	3.91	1.29	5.78	3.81	1.40	5.31	3.51	1.52	5.38	3.60	2.02	3.76	2.60	1.62
		30℃	6.06	4.85	1.30	5.83	4.72	1.42	5.36	4.40	1.53	5.43	4.56	2.04	3.80	3.27	1.63
		32℃	6.12	5.69	1.32	5.88	5.53	1.43	5.41	5.14	1.55	5.48	5.37	2.06	3.83	3.83	1.65
H	16℃	21℃	4.80	3.93	1.23	4.61	3.87	1.33	4.24	3.56	1.44	4.28	3.64	1.92	3.00	2.61	1.54
		24℃	4.85	4.80	1.23	4.66	4.66	1.33	4.29	4.29	1.44	4.33	4.33	1.92	3.03	3.03	1.54
		27℃	4.91	4.91	1.24	4.72	4.72	1.35	4.34	4.34	1.46	4.48	4.48	1.94	3.14	3.14	1.55
		30℃	5.18	5.18	1.25	4.98	4.98	1.36	4.58	4.58	1.47	4.78	4.78	1.96	3.35	3.35	1.57
	19℃	24℃	5.29	3.76	1.25	5.09	3.66	1.36	4.68	3.37	1.47	4.73	3.50	1.96	3.31	2.52	1.57
		27℃	5.35	4.38	1.27	5.14	4.27	1.38	4.73	3.97	1.49	4.78	4.06	1.98	3.35	2.91	1.58
		30℃	5.40	5.40	1.27	5.19	5.19	1.38	4.78	4.78	1.49	4.83	4.83	1.98	3.38	3.38	1.58
		33℃	5.51	5.51	1.28	5.30	5.30	1.39	4.88	4.88	1.50	5.03	5.03	2.00	3.52	3.52	1.60
	22℃	27℃	5.73	3.67	1.28	5.51	3.58	1.39	5.07	3.25	1.50	5.18	3.42	2.00	3.63	2.47	1.60
		30℃	5.79	4.51	1.29	5.57	4.40	1.40	5.12	4.10	1.52	5.23	4.24	2.02	3.66	3.04	1.62
		32℃	5.84	5.32	1.30	5.62	5.17	1.42	5.17	4.86	1.53	5.28	5.07	2.04	3.70	3.62	1.63

Fan Speed	Entering air temperature ℃		Outdoor Air Dry Bulb Temperature														
			30℃			35℃			40℃			46℃			52℃		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	WB	DB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
M	16℃	21℃	4.57	3.75	1.21	4.40	3.65	1.32	4.05	3.36	1.43	4.13	3.51	1.90	2.89	2.52	1.52
		24℃	4.63	4.54	1.21	4.45	4.41	1.32	4.10	4.10	1.43	4.18	4.18	1.90	2.93	2.93	1.52
		27℃	4.69	4.69	1.23	4.51	4.51	1.33	4.14	4.14	1.44	4.28	4.28	1.92	3.00	3.00	1.54
		30℃	4.91	4.91	1.24	4.72	4.72	1.35	4.34	4.34	1.46	4.53	4.53	1.94	3.17	3.17	1.55
	19℃	24℃	5.07	3.55	1.24	4.88	3.41	1.35	4.49	3.19	1.46	4.53	3.26	1.94	3.17	2.35	1.55
		27℃	5.13	4.10	1.25	4.93	3.99	1.36	4.53	3.72	1.47	4.58	3.80	1.96	3.21	2.73	1.57
		30℃	5.18	5.08	1.25	4.98	4.93	1.36	4.58	4.54	1.47	4.63	4.63	1.96	3.24	3.24	1.57
		32℃	5.24	5.24	1.27	5.04	5.04	1.38	4.63	4.63	1.49	4.83	4.83	1.98	3.38	3.38	1.58
	22℃	27℃	5.57	3.51	1.27	5.35	3.37	1.38	4.92	3.10	1.49	4.98	3.19	1.98	3.49	2.30	1.58
		30℃	5.62	4.27	1.28	5.41	4.16	1.39	4.97	3.88	1.50	5.03	3.97	2.00	3.52	2.85	1.60
		32℃	5.68	5.05	1.29	5.46	4.91	1.40	5.02	4.57	1.52	5.08	4.72	2.02	3.56	3.38	1.62
L	16℃	21℃	4.41	3.57	1.20	4.24	3.48	1.31	3.90	3.24	1.41	3.98	3.35	1.88	2.79	2.40	1.50
		24℃	4.46	4.33	1.20	4.29	4.21	1.31	3.95	3.91	1.41	4.03	3.99	1.88	2.82	2.82	1.50
		27℃	4.52	4.43	1.21	4.35	4.30	1.32	4.00	4.00	1.43	4.03	4.03	1.90	2.82	2.82	1.52
		30℃	4.74	4.69	1.23	4.56	4.56	1.33	4.19	4.19	1.44	4.28	4.28	1.92	3.00	3.00	1.54
	19℃	24℃	4.85	3.30	1.23	4.66	3.22	1.33	4.29	2.96	1.44	4.28	3.00	1.92	3.00	2.16	1.54
		27℃	4.91	3.83	1.24	4.72	3.73	1.35	4.34	3.47	1.46	4.38	3.55	1.94	3.07	2.55	1.55
		30℃	4.96	4.76	1.24	4.77	4.63	1.35	4.39	4.30	1.46	4.43	4.39	1.94	3.10	3.10	1.55
		33℃	5.07	4.97	1.25	4.88	4.83	1.36	4.49	4.49	1.47	4.58	4.58	1.96	3.21	3.21	1.57
	22℃	27℃	5.35	3.21	1.25	5.14	3.14	1.36	4.73	2.93	1.47	4.78	2.96	1.96	3.35	2.14	1.57
		30℃	5.40	4.00	1.27	5.19	3.90	1.38	4.78	3.63	1.49	4.83	3.72	1.98	3.38	2.67	1.58
		33℃	5.46	4.75	1.28	5.25	4.62	1.39	4.83	4.30	1.50	4.88	4.44	2.00	3.42	3.18	1.60

Heating

Fan speed	Outdoor air temperature ℃		Indoor dry bulb temperature ℃									
			16		18		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	-10	-11	4.05	1.25	3.84	1.29	3.67	1.33	3.52	1.38	3.38	1.43
	-5	-5.6	4.27	1.22	4.05	1.25	3.86	1.30	3.70	1.34	3.56	1.38
	0	-0.7	4.64	1.24	4.40	1.27	4.20	1.31	4.03	1.36	3.87	1.40
	7	6	6.19	1.33	5.86	1.37	5.60	1.42	5.37	1.47	5.16	1.52
	10	8	6.49	1.37	6.16	1.41	5.88	1.46	5.64	1.51	5.42	1.56
H	-10	-11	3.95	1.25	3.74	1.28	3.57	1.33	3.42	1.37	3.29	1.42
	-5	-5.6	4.15	1.21	3.94	1.25	3.76	1.29	3.60	1.33	3.47	1.38
	0	-0.7	4.51	1.23	4.28	1.26	4.09	1.31	3.92	1.35	3.77	1.40
	7	6	6.02	1.33	5.71	1.37	5.45	1.41	5.22	1.46	5.02	1.51
	10	8	6.32	1.37	5.99	1.41	5.72	1.46	5.49	1.50	5.27	1.55
M	-10	-11	3.82	1.27	3.62	1.30	3.46	1.35	3.31	1.39	3.19	1.44
	-5	-5.6	4.02	1.23	3.81	1.26	3.64	1.31	3.49	1.35	3.36	1.40
	0	-0.7	4.37	1.25	4.14	1.28	3.96	1.33	3.79	1.37	3.65	1.42
	7	6	5.83	1.35	5.52	1.39	5.27	1.43	5.06	1.48	4.86	1.53
	10	8	6.12	1.39	5.80	1.43	5.54	1.48	5.31	1.53	5.11	1.58

Model：GUD24T1/A-S(E)
Cooling

Fan Speed	Entering air temperature ℃		Outdoor Air Dry Bulb Temperature													
			30℃			35℃			40℃			46℃			52℃		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	WB	DB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	16℃	21℃	6.65	5.52	1.64	6.39	5.37	1.78	5.88	4.94	1.93	5.47	4.71	2.18	3.83	3.37	1.75
		24℃	6.72	6.72	1.64	6.46	6.46	1.78	5.94	5.94	1.93	5.60	5.60	2.18	3.92	3.92	1.75
		27℃	6.94	6.94	1.66	6.67	6.67	1.80	6.14	6.14	1.95	5.78	5.78	2.21	4.05	4.05	1.76
		30℃	7.31	7.31	1.68	7.03	7.03	1.82	6.47	6.47	1.97	6.21	6.21	2.23	4.35	4.35	1.78
	19℃	24℃	7.31	5.34	1.68	7.03	5.20	1.82	6.47	4.79	1.97	6.03	4.52	2.23	4.22	3.25	1.78
		27℃	7.38	6.20	1.69	7.10	6.04	1.84	6.53	5.62	1.99	6.09	5.30	2.25	4.26	3.79	1.80
		29℃	7.46	7.46	1.69	7.17	7.17	1.84	6.60	6.60	1.99	6.15	6.15	2.25	4.31	4.31	1.80
		32℃	7.75	7.75	1.71	7.46	7.46	1.86	6.86	6.86	2.01	6.58	6.58	2.27	4.61	4.61	1.82
	22℃	27℃	8.05	5.23	1.71	7.74	5.11	1.86	7.12	4.70	2.01	6.64	4.45	2.27	4.65	3.21	1.82
		30℃	8.12	6.50	1.73	7.81	6.33	1.88	7.19	5.89	2.03	6.70	5.63	2.30	4.69	4.04	1.84
		32℃	8.20	7.62	1.74	7.88	7.41	1.90	7.25	6.89	2.05	6.77	6.63	2.32	4.74	4.74	1.85

Fan Speed	Entering air temperature ℃		Outdoor Air Dry Bulb Temperature														
			30℃			35℃			40℃			46℃			52℃		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	WB	DB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
H	16℃	21℃	6.42	5.27	1.63	6.18	5.19	1.77	5.68	4.77	1.91	5.29	4.50	2.16	3.70	3.22	1.73
		24℃	6.50	6.43	1.63	6.25	6.25	1.77	5.75	5.75	1.91	5.35	5.35	2.16	3.75	3.75	1.73
		27℃	6.57	6.57	1.64	6.32	6.32	1.78	5.81	5.81	1.93	5.54	5.54	2.18	3.87	3.87	1.75
		30℃	6.94	6.94	1.66	6.67	6.67	1.80	6.14	6.14	1.95	5.90	5.90	2.21	4.13	4.13	1.76
	19℃	24℃	7.09	5.03	1.66	6.82	4.91	1.80	6.27	4.51	1.95	5.84	4.32	2.21	4.09	3.11	1.76
		27℃	7.16	5.87	1.68	6.89	5.72	1.82	6.34	5.32	1.97	5.90	5.02	2.23	4.13	3.60	1.78
		30℃	7.24	7.24	1.68	6.96	6.96	1.82	6.40	6.40	1.97	5.97	5.97	2.23	4.18	4.18	1.78
		33℃	7.38	7.38	1.69	7.10	7.10	1.84	6.53	6.53	1.99	6.21	6.21	2.25	4.35	4.35	1.80
	22℃	27℃	7.68	4.91	1.69	7.38	4.80	1.84	6.79	4.35	1.99	6.40	4.22	2.25	4.48	3.04	1.80
		30℃	7.75	6.05	1.71	7.46	5.89	1.86	6.86	5.49	2.01	6.46	5.23	2.27	4.52	3.75	1.82
		32℃	7.83	7.12	1.73	7.53	6.92	1.88	6.92	6.51	2.03	6.52	6.26	2.30	4.56	4.47	1.84
M	16℃	21℃	6.13	5.03	1.61	5.89	4.89	1.75	5.42	4.50	1.89	5.10	4.34	2.14	3.57	3.11	1.71
		24℃	6.20	6.08	1.61	5.96	5.90	1.75	5.49	5.49	1.89	5.17	5.17	2.14	3.62	3.62	1.71
		27℃	6.28	6.28	1.63	6.04	6.04	1.77	5.55	5.55	1.91	5.29	5.29	2.16	3.70	3.70	1.73
		30℃	6.57	6.57	1.64	6.32	6.32	1.78	5.81	5.81	1.93	5.60	5.60	2.18	3.92	3.92	1.75
	19℃	24℃	6.79	4.76	1.64	6.53	4.57	1.78	6.01	4.27	1.93	5.60	4.03	2.18	3.92	2.90	1.75
		27℃	6.87	5.49	1.66	6.60	5.35	1.80	6.07	4.98	1.95	5.66	4.70	2.21	3.96	3.37	1.76
		30℃	6.94	6.80	1.66	6.67	6.61	1.80	6.14	6.08	1.95	5.72	5.72	2.21	4.00	4.00	1.76
		32℃	7.01	7.01	1.68	6.75	6.75	1.82	6.21	6.21	1.97	5.97	5.97	2.23	4.18	4.18	1.78
	22℃	27℃	7.46	4.70	1.68	7.17	4.52	1.82	6.60	4.16	1.97	6.15	3.94	2.23	4.31	2.84	1.78
		30℃	7.53	5.72	1.69	7.24	5.58	1.84	6.66	5.20	1.99	6.21	4.91	2.25	4.35	3.52	1.80
		32℃	7.61	6.77	1.71	7.31	6.58	1.86	6.73	6.12	2.01	6.27	5.83	2.27	4.39	4.17	1.82
L	16℃	21℃	5.91	4.78	1.59	5.68	4.66	1.73	5.23	4.34	1.87	4.92	4.13	2.12	3.44	2.96	1.69
		24℃	5.98	5.80	1.59	5.75	5.64	1.73	5.29	5.24	1.87	4.98	4.93	2.12	3.49	3.49	1.69
		27℃	6.05	5.93	1.61	5.82	5.76	1.75	5.36	5.36	1.89	4.98	4.98	2.14	3.49	3.49	1.71
		30℃	6.35	6.29	1.63	6.11	6.11	1.77	5.62	5.62	1.91	5.29	5.29	2.16	3.70	3.70	1.73
	19℃	24℃	6.50	4.42	1.63	6.25	4.31	1.77	5.75	3.97	1.91	5.29	3.70	2.16	3.70	2.67	1.73
		27℃	6.57	5.13	1.64	6.32	4.99	1.78	5.81	4.65	1.93	5.41	4.38	2.18	3.79	3.14	1.75
		30℃	6.65	6.38	1.64	6.39	6.20	1.78	5.88	5.76	1.93	5.47	5.42	2.18	3.83	3.83	1.75
		33℃	6.79	6.66	1.66	6.53	6.47	1.80	6.01	6.01	1.95	5.66	5.66	2.21	3.96	3.96	1.76
	22℃	27℃	7.16	4.30	1.66	6.89	4.20	1.80	6.34	3.93	1.95	5.90	3.66	2.21	4.13	2.64	1.76
		30℃	7.24	5.35	1.68	6.96	5.22	1.82	6.40	4.87	1.97	5.97	4.59	2.23	4.18	3.30	1.78
		33℃	7.31	6.36	1.69	7.03	6.19	1.84	6.47	5.76	1.99	6.03	5.48	2.25	4.22	3.92	1.80

Heating

Fan speed	Outdoor air temperature ℃		Indoor dry bulb temperature ℃									
			16		18		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	-10	-11	5.79	2.08	5.49	2.14	5.24	2.22	5.03	2.29	4.83	2.37
	-5	-5.6	6.10	2.02	5.78	2.08	5.52	2.15	5.29	2.23	5.09	2.30
	0	-0.7	6.63	2.05	6.28	2.11	6.00	2.19	5.75	2.26	5.53	2.33
	7	6	8.84	2.22	8.38	2.28	8.00	2.36	7.67	2.44	7.38	2.52
	10	8	9.28	2.28	8.80	2.35	8.40	2.43	8.05	2.51	7.74	2.60
H	-10	-11	5.64	2.07	5.34	2.13	5.10	2.21	4.89	2.28	4.70	2.36
	-5	-5.6	5.93	2.01	5.62	2.07	5.37	2.14	5.15	2.21	4.95	2.29
	0	-0.7	6.45	2.04	6.11	2.10	5.84	2.17	5.60	2.25	5.38	2.32
	7	6	8.60	2.21	8.15	2.27	7.78	2.35	7.46	2.43	7.18	2.51
	10	8	9.03	2.27	8.56	2.34	8.17	2.42	7.84	2.50	7.53	2.58
M	-10	-11	5.46	2.10	5.17	2.16	4.94	2.24	4.74	2.31	4.55	2.39
	-5	-5.6	5.74	2.04	5.44	2.10	5.20	2.17	4.98	2.25	4.79	2.32
	0	-0.7	6.24	2.07	5.92	2.13	5.65	2.21	5.42	2.28	5.21	2.36
	7	6	8.32	2.24	7.89	2.30	7.53	2.38	7.22	2.46	6.95	2.55
	10	8	8.74	2.31	8.28	2.37	7.91	2.46	7.59	2.54	7.29	2.62

Model：GUD36T1/A-S(E)

Cooling

Fan Speed	Entering air temperature ℃		Outdoor Air Dry Bulb Temperature													
			30℃			35℃			40℃			46℃			52℃		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	WB	DB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	16℃	21℃	9.83	8.16	2.77	9.45	7.94	3.01	8.69	7.30	3.25	8.01	6.89	3.40	5.61	4.93	2.72
		24℃	9.94	9.94	2.77	9.56	9.56	3.01	8.79	8.79	3.25	8.19	8.19	3.40	5.73	5.73	2.72
		27℃	10.26	10.26	2.79	9.87	9.87	3.04	9.08	9.08	3.28	8.46	8.46	3.43	5.92	5.92	2.74
		30℃	10.81	10.81	2.82	10.40	10.40	3.07	9.56	9.56	3.31	9.09	9.09	3.47	6.36	6.36	2.77
	19℃	24℃	10.81	7.89	2.82	10.40	7.69	3.07	9.56	7.08	3.31	8.82	6.62	3.47	6.17	4.75	2.77
		27℃	10.92	9.17	2.85	10.50	8.93	3.10	9.66	8.31	3.35	8.91	7.75	3.50	6.24	5.55	2.80
		29℃	11.03	11.03	2.85	10.61	10.61	3.10	9.76	9.76	3.35	9.00	9.00	3.50	6.30	6.30	2.80
		32℃	11.47	11.47	2.88	11.03	11.03	3.13	10.14	10.14	3.38	9.63	9.63	3.54	6.74	6.74	2.83
	22℃	27℃	11.90	7.74	2.88	11.45	7.55	3.13	10.53	6.95	3.38	9.72	6.51	3.54	6.80	4.69	2.83
		30℃	12.01	9.61	2.91	11.55	9.36	3.16	10.63	8.71	3.41	9.81	8.24	3.57	6.87	5.91	2.86
		32℃	12.12	11.27	2.94	11.66	10.96	3.19	10.72	10.19	3.45	9.90	9.70	3.61	6.93	6.93	2.88

Fan Speed	Entering air temperature ℃		Outdoor Air Dry Bulb Temperature														
			30℃			35℃			40℃			46℃			52℃		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	WB	DB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
H	16℃	21℃	9.50	7.79	2.74	9.14	7.67	2.98	8.40	7.06	3.21	7.74	6.58	3.36	5.42	4.71	2.69
		24℃	9.61	9.51	2.74	9.24	9.24	2.98	8.50	8.50	3.21	7.83	7.83	3.36	5.48	5.48	2.69
		27℃	9.72	9.72	2.77	9.35	9.35	3.01	8.60	8.60	3.25	8.10	8.10	3.40	5.67	5.67	2.72
		30℃	10.26	10.26	2.79	9.87	9.87	3.04	9.08	9.08	3.28	8.64	8.64	3.43	6.05	6.05	2.74
	19℃	24℃	10.48	7.44	2.79	10.08	7.26	3.04	9.27	6.68	3.28	8.55	6.33	3.43	5.99	4.55	2.74
		27℃	10.59	8.69	2.82	10.19	8.45	3.07	9.37	7.87	3.31	8.64	7.34	3.47	6.05	5.26	2.77
		30℃	10.70	10.70	2.82	10.29	10.29	3.07	9.47	9.47	3.31	8.73	8.73	3.47	6.11	6.11	2.77
		33℃	10.92	10.92	2.85	10.50	10.50	3.10	9.66	9.66	3.35	9.09	9.09	3.50	6.36	6.36	2.80
	22℃	27℃	11.36	7.27	2.85	10.92	7.10	3.10	10.05	6.43	3.35	9.36	6.18	3.50	6.55	4.46	2.80
		30℃	11.47	8.94	2.88	11.03	8.71	3.13	10.14	8.11	3.38	9.45	7.65	3.54	6.62	5.49	2.83
		32℃	11.58	10.53	2.91	11.13	10.24	3.16	10.24	9.63	3.41	9.54	9.16	3.57	6.68	6.54	2.86
M	16℃	21℃	9.06	7.43	2.71	8.72	7.23	2.95	8.02	6.65	3.18	7.47	6.35	3.33	5.23	4.55	2.66
		24℃	9.17	8.99	2.71	8.82	8.73	2.95	8.11	8.11	3.18	7.56	7.56	3.33	5.29	5.29	2.66
		27℃	9.28	9.28	2.74	8.93	8.93	2.98	8.21	8.21	3.21	7.74	7.74	3.36	5.42	5.42	2.69
		30℃	9.72	9.72	2.77	9.35	9.35	3.01	8.60	8.60	3.25	8.19	8.19	3.40	5.73	5.73	2.72
	19℃	24℃	10.05	7.03	2.77	9.66	6.76	3.01	8.89	6.31	3.25	8.19	5.90	3.40	5.73	4.24	2.72
		27℃	10.16	8.12	2.79	9.77	7.91	3.04	8.98	7.37	3.28	8.28	6.87	3.43	5.80	4.93	2.74
		30℃	10.26	10.06	2.79	9.87	9.77	3.04	9.08	8.99	3.28	8.37	8.37	3.43	5.86	5.86	2.74
		32℃	10.37	10.37	2.82	9.98	9.98	3.07	9.18	9.18	3.31	8.73	8.73	3.47	6.11	6.11	2.77
	22℃	27℃	11.03	6.95	2.82	10.61	6.68	3.07	9.76	6.15	3.31	9.00	5.76	3.47	6.30	4.16	2.77
		30℃	11.14	8.47	2.85	10.71	8.25	3.10	9.85	7.69	3.35	9.09	7.18	3.50	6.36	5.15	2.80
		32℃	11.25	10.01	2.88	10.82	9.73	3.13	9.95	9.05	3.38	9.18	8.54	3.54	6.43	6.10	2.83
L	16℃	21℃	8.74	7.08	2.68	8.40	6.89	2.91	7.73	6.41	3.15	7.20	6.05	3.29	5.04	4.33	2.63
		24℃	8.85	8.58	2.68	8.51	8.33	2.91	7.82	7.75	3.15	7.29	7.22	3.29	5.10	5.10	2.63
		27℃	8.95	8.78	2.71	8.61	8.52	2.95	7.92	7.92	3.18	7.29	7.29	3.33	5.10	5.10	2.66
		30℃	9.39	9.30	2.74	9.03	9.03	2.98	8.31	8.31	3.21	7.74	7.74	3.36	5.42	5.42	2.69
	19℃	24℃	9.61	6.53	2.74	9.24	6.38	2.98	8.50	5.87	3.21	7.74	5.42	3.36	5.42	3.90	2.69
		27℃	9.72	7.58	2.77	9.35	7.38	3.01	8.60	6.88	3.25	7.92	6.42	3.40	5.54	4.60	2.72
		30℃	9.83	9.43	2.77	9.45	9.17	3.01	8.69	8.52	3.25	8.01	7.93	3.40	5.61	5.61	2.72
		33℃	10.05	9.85	2.79	9.66	9.56	3.04	8.89	8.89	3.28	8.28	8.28	3.43	5.80	5.80	2.74
	22℃	27℃	10.59	6.36	2.79	10.19	6.21	3.04	9.37	5.81	3.28	8.64	5.36	3.43	6.05	3.87	2.74
		30℃	10.70	7.92	2.82	10.29	7.72	3.07	9.47	7.19	3.31	8.73	6.72	3.47	6.11	4.83	2.77
		33℃	10.81	9.41	2.85	10.40	9.15	3.10	9.56	8.51	3.35	8.82	8.03	3.50	6.17	5.74	2.80

Heating

Fan speed	Outdoor air temperature ℃		Indoor dry bulb temperature ℃									
			16		18		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	-10	-11	8.18	2.83	7.76	2.91	7.41	3.01	7.10	3.11	6.83	3.21
	-5	-5.6	8.61	2.74	8.16	2.82	7.80	2.92	7.48	3.02	7.19	3.12
	0	-0.7	9.36	2.78	8.87	2.86	8.48	2.96	8.13	3.06	7.81	3.16
	7	6	12.48	3.01	11.83	3.09	11.30	3.20	10.83	3.31	10.42	3.42
	10	8	13.11	3.10	12.42	3.18	11.87	3.30	11.38	3.41	10.94	3.52
H	-10	-11	7.96	2.81	7.55	2.89	7.21	2.99	6.91	3.09	6.64	3.20
	-5	-5.6	8.38	2.73	7.94	2.81	7.59	2.90	7.27	3.00	6.99	3.10
	0	-0.7	9.11	2.77	8.63	2.85	8.25	2.95	7.91	3.05	7.60	3.15
	7	6	12.14	2.99	11.51	3.08	10.99	3.18	10.54	3.29	10.14	3.40
	10	8	12.75	3.08	12.09	3.17	11.54	3.28	11.07	3.39	10.64	3.50
M	-10	-11	7.71	2.85	7.31	2.93	6.98	3.04	6.69	3.14	6.43	3.24
	-5	-5.6	8.11	2.77	7.69	2.85	7.34	2.95	7.04	3.05	6.77	3.15
	0	-0.7	8.82	2.81	8.36	2.89	7.98	2.99	7.65	3.09	7.36	3.20
	7	6	11.76	3.04	11.14	3.12	10.64	3.23	10.20	3.34	9.81	3.45
	10	8	12.34	3.13	11.70	3.22	11.18	3.33	10.71	3.44	10.30	3.56

Model：GUD48T1/A-S(E)

Cooling

Fan Speed	Entering air temperature ℃		Outdoor Air Dry Bulb Temperature														
			30℃			35℃			40℃			46℃			52℃		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	WB	DB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	16℃	21℃	13.10	10.88	4.64	12.60	10.58	5.04	11.59	9.74	5.45	10.06	8.65	5.19	7.04	6.20	4.15
		24℃	13.25	13.25	4.64	12.74	12.74	5.04	11.72	11.72	5.45	10.28	10.28	5.19	7.20	7.20	4.15
		27℃	13.69	13.69	4.69	13.16	13.16	5.10	12.11	12.11	5.50	10.62	10.62	5.24	7.44	7.44	4.19
		30℃	14.41	14.41	4.74	13.86	13.86	5.15	12.75	12.75	5.56	11.41	11.41	5.30	7.99	7.99	4.24
	19℃	24℃	14.41	10.52	4.74	13.86	10.26	5.15	12.75	9.44	5.56	11.07	8.31	5.30	7.75	5.97	4.24
		27℃	14.56	12.23	4.78	14.00	11.90	5.20	12.88	11.08	5.62	11.19	9.73	5.35	7.83	6.97	4.28
		29℃	14.71	14.71	4.78	14.14	14.14	5.20	13.01	13.01	5.62	11.30	11.30	5.35	7.91	7.91	4.28
		32℃	15.29	15.29	4.83	14.70	14.70	5.25	13.52	13.52	5.67	12.09	12.09	5.40	8.46	8.46	4.32
	22℃	27℃	15.87	10.32	4.83	15.26	10.07	5.25	14.04	9.27	5.67	12.20	8.18	5.40	8.54	5.89	4.32
		30℃	16.02	12.81	4.88	15.40	12.47	5.30	14.17	11.62	5.73	12.32	10.35	5.46	8.62	7.41	4.37
		32℃	16.16	15.03	4.93	15.54	14.61	5.36	14.30	13.58	5.78	12.43	12.18	5.51	8.70	8.70	4.41

Fan Speed	Entering air temperature ℃		Outdoor Air Dry Bulb Temperature														
			30℃			35℃			40℃			46℃			52℃		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	WB	DB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
H	16℃	21℃	12.67	10.39	4.59	12.18	10.23	4.99	11.21	9.41	5.39	9.72	8.26	5.14	6.80	5.92	4.11
		24℃	12.81	12.68	4.59	12.32	12.32	4.99	11.33	11.33	5.39	9.83	9.83	5.14	6.88	6.88	4.11
		27℃	12.96	12.96	4.64	12.46	12.46	5.04	11.46	11.46	5.45	10.17	10.17	5.19	7.12	7.12	4.15
		30℃	13.69	13.69	4.69	13.16	13.16	5.10	12.11	12.11	5.50	10.85	10.85	5.24	7.59	7.59	4.19
	19℃	24℃	13.98	9.92	4.69	13.44	9.68	5.10	12.36	8.90	5.50	10.74	7.94	5.24	7.51	5.71	4.19
		27℃	14.12	11.58	4.74	13.58	11.27	5.15	12.49	10.49	5.56	10.85	9.22	5.30	7.59	6.61	4.24
		30℃	14.27	14.27	4.74	13.72	13.72	5.15	12.62	12.62	5.56	10.96	10.96	5.30	7.67	7.67	4.24
		33℃	14.56	14.56	4.78	14.00	14.00	5.20	12.88	12.88	5.62	11.41	11.41	5.35	7.99	7.99	4.28
	22℃	27℃	15.14	9.69	4.78	14.56	9.46	5.20	13.40	8.57	5.62	11.75	7.76	5.35	8.23	5.59	4.28
		30℃	15.29	11.92	4.83	14.70	11.61	5.25	13.52	10.82	5.67	11.87	9.61	5.40	8.31	6.89	4.32
		32℃	15.43	14.04	4.88	14.84	13.65	5.30	13.65	12.83	5.73	11.98	11.50	5.46	8.38	8.22	4.37
M	16℃	21℃	12.08	9.91	4.54	11.62	9.64	4.94	10.69	8.87	5.34	9.38	7.97	5.08	6.57	5.71	4.07
		24℃	12.23	11.99	4.54	11.76	11.64	4.94	10.82	10.82	5.34	9.49	9.49	5.08	6.64	6.64	4.07
		27℃	12.38	12.38	4.59	11.90	11.90	4.99	10.95	10.95	5.39	9.72	9.72	5.14	6.80	6.80	4.11
		30℃	12.96	12.96	4.64	12.46	12.46	5.04	11.46	11.46	5.45	10.28	10.28	5.19	7.20	7.20	4.15
	19℃	24℃	13.40	9.38	4.64	12.88	9.02	5.04	11.85	8.41	5.45	10.28	7.40	5.19	7.20	5.33	4.15
		27℃	13.54	10.83	4.69	13.02	10.55	5.10	11.98	9.82	5.50	10.40	8.63	5.24	7.28	6.19	4.19
		30℃	13.69	13.41	4.69	13.16	13.03	5.10	12.11	11.99	5.50	10.51	10.51	5.24	7.36	7.36	4.19
		32℃	13.83	13.83	4.74	13.30	13.30	5.15	12.24	12.24	5.56	10.96	10.96	5.30	7.67	7.67	4.24
	22℃	27℃	14.71	9.26	4.74	14.14	8.91	5.15	13.01	8.20	5.56	11.30	7.23	5.30	7.91	5.22	4.24
		30℃	14.85	11.29	4.78	14.28	11.00	5.20	13.14	10.25	5.62	11.41	9.02	5.35	7.99	6.47	4.28
		32℃	15.00	13.35	4.83	14.42	12.98	5.25	13.27	12.07	5.67	11.53	10.72	5.40	8.07	7.66	4.32
L	16℃	21℃	11.65	9.43	4.50	11.20	9.18	4.89	10.30	8.55	5.28	9.04	7.59	5.03	6.33	5.44	4.02
		24℃	11.79	11.44	4.50	11.34	11.11	4.89	10.43	10.33	5.28	9.15	9.06	5.03	6.41	6.41	4.02
		27℃	11.94	11.70	4.54	11.48	11.37	4.94	10.56	10.56	5.34	9.15	9.15	5.08	6.41	6.41	4.07
		30℃	12.52	12.40	4.59	12.04	12.04	4.99	11.08	11.08	5.39	9.72	9.72	5.14	6.80	6.80	4.11
	19℃	24℃	12.81	8.71	4.59	12.32	8.50	4.99	11.33	7.82	5.39	9.72	6.80	5.14	6.80	4.90	4.11
		27℃	12.96	10.11	4.64	12.46	9.84	5.04	11.46	9.17	5.45	9.94	8.05	5.19	6.96	5.78	4.15
		30℃	13.10	12.58	4.64	12.60	12.22	5.04	11.59	11.36	5.45	10.06	9.96	5.19	7.04	7.04	4.15
		33℃	13.40	13.13	4.69	12.88	12.75	5.10	11.85	11.85	5.50	10.40	10.40	5.24	7.28	7.28	4.19
	22℃	27℃	14.12	8.47	4.69	13.58	8.28	5.10	12.49	7.75	5.50	10.85	6.73	5.24	7.59	4.86	4.19
		30℃	14.27	10.56	4.74	13.72	10.29	5.15	12.62	9.59	5.56	10.96	8.44	5.30	7.67	6.06	4.24
		33℃	14.41	12.54	4.78	13.86	12.20	5.20	12.75	11.35	5.62	11.07	10.08	5.35	7.75	7.21	4.28

Heating

Fan speed	Outdoor air temperature ℃		Indoor dry bulb temperature ℃									
			16		18		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	-10	-11	11.58	3.93	10.98	4.04	10.49	4.18	10.06	4.32	9.67	4.47
	-5	-5.6	12.19	3.82	11.56	3.92	11.04	4.06	10.58	4.20	10.18	4.34
	0	-0.7	13.25	3.87	12.57	3.98	12.00	4.12	11.51	4.26	11.06	4.40
	7	6	17.67	4.18	16.75	4.30	16.00	4.45	15.34	4.60	14.75	4.75
	10	8	18.56	4.31	17.59	4.43	16.80	4.58	16.11	4.74	15.49	4.90
H	-10	-11	11.27	3.91	10.69	4.02	10.20	4.16	9.78	4.30	9.41	4.44
	-5	-5.6	11.87	3.80	11.25	3.90	10.74	4.04	10.30	4.17	9.90	4.31
	0	-0.7	12.90	3.85	12.23	3.96	11.68	4.10	11.19	4.24	10.76	4.38
	7	6	17.20	4.16	16.30	4.28	15.57	4.43	14.93	4.58	14.35	4.73
	10	8	18.06	4.29	17.12	4.41	16.35	4.56	15.67	4.71	15.07	4.87
M	-10	-11	10.91	3.97	10.34	4.08	9.88	4.22	9.47	4.36	9.11	4.51
	-5	-5.6	11.49	3.85	10.89	3.96	10.40	4.10	9.97	4.24	9.59	4.38
	0	-0.7	12.48	3.91	11.83	4.02	11.30	4.16	10.84	4.30	10.42	4.45
	7	6	16.65	4.22	15.78	4.34	15.07	4.49	14.45	4.65	13.89	4.80
	10	8	17.48	4.35	16.57	4.47	15.82	4.63	15.17	4.78	14.59	4.94

Model：GUD60T1/A-S(E)

Cooling

Fan Speed	Entering air temperature ℃		Outdoor Air Dry Bulb Temperature														
			30℃			35℃			40℃			46℃			52℃		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	WB	DB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	16℃	21℃	14.98	12.43	5.53	14.40	12.10	6.01	13.25	11.13	6.50	11.57	9.95	6.31	8.10	7.13	5.04
		24℃	15.14	15.14	5.53	14.56	14.56	6.01	13.40	13.40	6.50	11.83	11.83	6.31	8.28	8.28	5.04
		27℃	15.64	15.64	5.59	15.04	15.04	6.08	13.84	13.84	6.56	12.22	12.22	6.37	8.55	8.55	5.10
		30℃	16.47	16.47	5.65	15.84	15.84	6.14	14.57	14.57	6.63	13.13	13.13	6.44	9.19	9.19	5.15
	19℃	24℃	16.47	12.03	5.65	15.84	11.72	6.14	14.57	10.78	6.63	12.74	9.56	6.44	8.92	6.87	5.15
		27℃	16.64	13.98	5.70	16.00	13.60	6.20	14.72	12.66	6.70	12.87	11.20	6.50	9.01	8.02	5.20
		29℃	16.81	16.81	5.70	16.16	16.16	6.20	14.87	14.87	6.70	13.00	13.00	6.50	9.10	9.10	5.20
		32℃	17.47	17.47	5.76	16.80	16.80	6.26	15.46	15.46	6.76	13.91	13.91	6.57	9.74	9.74	5.25
	22℃	27℃	18.14	11.79	5.76	17.44	11.51	6.26	16.04	10.59	6.76	14.04	9.41	6.57	9.83	6.78	5.25
		30℃	18.30	14.64	5.82	17.60	14.26	6.32	16.19	13.28	6.83	14.17	11.90	6.63	9.92	8.53	5.30
		32℃	18.47	17.18	5.88	17.76	16.69	6.39	16.34	15.52	6.90	14.30	14.01	6.70	10.01	10.01	5.36

Fan Speed	Entering air temperature ℃		Outdoor Air Dry Bulb Temperature														
			30℃			35℃			40℃			46℃			52℃		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	WB	DB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
H	16℃	21℃	14.48	11.87	5.48	13.92	11.69	5.95	12.81	10.76	6.43	11.18	9.50	6.24	7.83	6.81	4.99
		24℃	14.64	14.50	5.48	14.08	14.08	5.95	12.95	12.95	6.43	11.31	11.31	6.24	7.92	7.92	4.99
		27℃	14.81	14.81	5.53	14.24	14.24	6.01	13.10	13.10	6.50	11.70	11.70	6.31	8.19	8.19	5.04
		30℃	15.64	15.64	5.59	15.04	15.04	6.08	13.84	13.84	6.56	12.48	12.48	6.37	8.74	8.74	5.10
	19℃	24℃	15.97	11.34	5.59	15.36	11.06	6.08	14.13	10.17	6.56	12.35	9.14	6.37	8.65	6.57	5.10
		27℃	16.14	13.24	5.65	15.52	12.88	6.14	14.28	11.99	6.63	12.48	10.61	6.44	8.74	7.60	5.15
		30℃	16.31	16.31	5.65	15.68	15.68	6.14	14.43	14.43	6.63	12.61	12.61	6.44	8.83	8.83	5.15
		33℃	16.64	16.64	5.70	16.00	16.00	6.20	14.72	14.72	6.70	13.13	13.13	6.50	9.19	9.19	5.20
	22℃	27℃	17.31	11.08	5.70	16.64	10.82	6.20	15.31	9.80	6.70	13.52	8.92	6.50	9.46	6.44	5.20
		30℃	17.47	13.63	5.76	16.80	13.27	6.26	15.46	12.36	6.76	13.65	11.06	6.57	9.56	7.93	5.25
		32℃	17.64	16.05	5.82	16.96	15.60	6.32	15.60	14.67	6.83	13.78	13.23	6.63	9.65	9.45	5.30
M	16℃	21℃	13.81	11.33	5.42	13.28	11.02	5.89	12.22	10.14	6.36	10.79	9.17	6.18	7.55	6.57	4.94
		24℃	13.98	13.70	5.42	13.44	13.31	5.89	12.36	12.36	6.36	10.92	10.92	6.18	7.64	7.64	4.94
		27℃	14.14	14.14	5.48	13.60	13.60	5.95	12.51	12.51	6.43	11.18	11.18	6.24	7.83	7.83	4.99
		30℃	14.81	14.81	5.53	14.24	14.24	6.01	13.10	13.10	6.50	11.83	11.83	6.31	8.28	8.28	5.04
	19℃	24℃	15.31	10.72	5.53	14.72	10.30	6.01	13.54	9.62	6.50	11.83	8.52	6.31	8.28	6.13	5.04
		27℃	15.48	12.38	5.59	14.88	12.05	6.08	13.69	11.23	6.56	11.96	9.93	6.37	8.37	7.12	5.10
		30℃	15.64	15.33	5.59	15.04	14.89	6.08	13.84	13.70	6.56	12.09	12.09	6.37	8.46	8.46	5.10
		32℃	15.81	15.81	5.65	15.20	15.20	6.14	13.98	13.98	6.63	12.61	12.61	6.44	8.83	8.83	5.15
	22℃	27℃	16.81	10.59	5.65	16.16	10.18	6.14	14.87	9.37	6.63	13.00	8.32	6.44	9.10	6.01	5.15
		30℃	16.97	12.90	5.70	16.32	12.57	6.20	15.01	11.71	6.70	13.13	10.37	6.50	9.19	7.44	5.20
		32℃	17.14	15.25	5.76	16.48	14.83	6.26	15.16	13.80	6.76	13.26	12.33	6.57	9.28	8.82	5.25
L	16℃	21℃	13.31	10.78	5.36	12.80	10.50	5.83	11.78	9.77	6.29	10.40	8.74	6.11	7.28	6.26	4.89
		24℃	13.48	13.07	5.36	12.96	12.70	5.83	11.92	11.80	6.29	10.53	10.42	6.11	7.37	7.37	4.89
		27℃	13.64	13.37	5.42	13.12	12.99	5.89	12.07	12.07	6.36	10.53	10.53	6.18	7.37	7.37	4.94
		30℃	14.31	14.17	5.48	13.76	13.76	5.95	12.66	12.66	6.43	11.18	11.18	6.24	7.83	7.83	4.99
	19℃	24℃	14.64	9.96	5.48	14.08	9.72	5.95	12.95	8.94	6.43	11.18	7.83	6.24	7.83	5.63	4.99
		27℃	14.81	11.55	5.53	14.24	11.25	6.01	13.10	10.48	6.50	11.44	9.27	6.31	8.01	6.65	5.04
		30℃	14.98	14.38	5.53	14.40	13.97	6.01	13.25	12.98	6.50	11.57	11.45	6.31	8.10	8.10	5.04
		33℃	15.31	15.00	5.59	14.72	14.57	6.08	13.54	13.54	6.56	11.96	11.96	6.37	8.37	8.37	5.10
	22℃	27℃	16.14	9.68	5.59	15.52	9.47	6.08	14.28	8.85	6.56	12.48	7.74	6.37	8.74	5.59	5.10
		30℃	16.31	12.07	5.65	15.68	11.76	6.14	14.43	10.96	6.63	12.61	9.71	6.44	8.83	6.97	5.15
		33℃	16.47	14.33	5.70	15.84	13.94	6.20	14.57	12.97	6.70	12.74	11.59	6.50	8.92	8.29	5.20

Heating

Fan speed	Outdoor air temperature ℃		Indoor dry bulb temperature ℃									
			16		18		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	-10	-11	11.58	3.93	10.98	4.04	10.49	4.18	10.06	4.32	9.67	4.47
	-5	-5.6	12.19	3.82	11.56	3.92	11.04	4.06	10.58	4.20	10.18	4.34
	0	-0.7	13.25	3.87	12.57	3.98	12.00	4.12	11.51	4.26	11.06	4.40
	7	6	17.67	4.18	16.75	4.30	16.00	4.45	15.34	4.60	14.75	4.75
	10	8	18.56	4.31	17.59	4.43	16.80	4.58	16.11	4.74	15.49	4.90
H	-10	-11	11.27	3.91	10.69	4.02	10.20	4.16	9.78	4.30	9.41	4.44
	-5	-5.6	11.87	3.80	11.25	3.90	10.74	4.04	10.30	4.17	9.90	4.31
	0	-0.7	12.90	3.85	12.23	3.96	11.68	4.10	11.19	4.24	10.76	4.38
	7	6	17.20	4.16	16.30	4.28	15.57	4.43	14.93	4.58	14.35	4.73
	10	8	18.06	4.29	17.12	4.41	16.35	4.56	15.67	4.71	15.07	4.87
M	-10	-11	10.91	3.97	10.34	4.08	9.88	4.22	9.47	4.36	9.11	4.51
	-5	-5.6	11.49	3.85	10.89	3.96	10.40	4.10	9.97	4.24	9.59	4.38
	0	-0.7	12.48	3.91	11.83	4.02	11.30	4.16	10.84	4.30	10.42	4.45
	7	6	16.65	4.22	15.78	4.34	15.07	4.49	14.45	4.65	13.89	4.80
	10	8	17.48	4.35	16.57	4.47	15.82	4.63	15.17	4.78	14.59	4.94

Model：GUD60T1/A-S(E)

Cooling

Fan Speed	Entering air temperature ℃		Outdoor Air Dry Bulb Temperature														
			30℃			35℃			40℃			46℃			52℃		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	WB	DB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	16℃	21℃	14.98	12.43	5.53	14.40	12.10	6.01	13.25	11.13	6.50	11.57	9.95	6.31	8.10	7.13	5.04
		24℃	15.14	15.14	5.53	14.56	14.56	6.01	13.40	13.40	6.50	11.83	11.83	6.31	8.28	8.28	5.04
		27℃	15.64	15.64	5.59	15.04	15.04	6.08	13.84	13.84	6.56	12.22	12.22	6.37	8.55	8.55	5.10
		30℃	16.47	16.47	5.65	15.84	15.84	6.14	14.57	14.57	6.63	13.13	13.13	6.44	9.19	9.19	5.15
	19℃	24℃	16.47	12.03	5.65	15.84	11.72	6.14	14.57	10.78	6.63	12.74	9.56	6.44	8.92	6.87	5.15
		27℃	16.64	13.98	5.70	16.00	13.60	6.20	14.72	12.66	6.70	12.87	11.20	6.50	9.01	8.02	5.20
		29℃	16.81	16.81	5.70	16.16	16.16	6.20	14.87	14.87	6.70	13.00	13.00	6.50	9.10	9.10	5.20
		32℃	17.47	17.47	5.76	16.80	16.80	6.26	15.46	15.46	6.76	13.91	13.91	6.57	9.74	9.74	5.25
	22℃	27℃	18.14	11.79	5.76	17.44	11.51	6.26	16.04	10.59	6.76	14.04	9.41	6.57	9.83	6.78	5.25
		30℃	18.30	14.64	5.82	17.60	14.26	6.32	16.19	13.28	6.83	14.17	11.90	6.63	9.92	8.53	5.30
		32℃	18.47	17.18	5.88	17.76	16.69	6.39	16.34	15.52	6.90	14.30	14.01	6.70	10.01	10.01	5.36

Fan Speed	Entering air temperature ℃		Outdoor Air Dry Bulb Temperature														
			30℃			35℃			40℃			46℃			52℃		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	WB	DB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
H	16℃	21℃	14.48	11.87	5.48	13.92	11.69	5.95	12.81	10.76	6.43	11.18	9.50	6.24	7.83	6.81	4.99
		24℃	14.64	14.50	5.48	14.08	14.08	5.95	12.95	12.95	6.43	11.31	11.31	6.24	7.92	7.92	4.99
		27℃	14.81	14.81	5.53	14.24	14.24	6.01	13.10	13.10	6.50	11.70	11.70	6.31	8.19	8.19	5.04
		30℃	15.64	15.64	5.59	15.04	15.04	6.08	13.84	13.84	6.56	12.48	12.48	6.37	8.74	8.74	5.10
	19℃	24℃	15.97	11.34	5.59	15.36	11.06	6.08	14.13	10.17	6.56	12.35	9.14	6.37	8.65	6.57	5.10
		27℃	16.14	13.24	5.65	15.52	12.88	6.14	14.28	11.99	6.63	12.48	10.61	6.44	8.74	7.60	5.15
		30℃	16.31	16.31	5.65	15.68	15.68	6.14	14.43	14.43	6.63	12.61	12.61	6.44	8.83	8.83	5.15
		33℃	16.64	16.64	5.70	16.00	16.00	6.20	14.72	14.72	6.70	13.13	13.13	6.50	9.19	9.19	5.20
	22℃	27℃	17.31	11.08	5.70	16.64	10.82	6.20	15.31	9.80	6.70	13.52	8.92	6.50	9.46	6.44	5.20
		30℃	17.47	13.63	5.76	16.80	13.27	6.26	15.46	12.36	6.76	13.65	11.06	6.57	9.56	7.93	5.25
		32℃	17.64	16.05	5.82	16.96	15.60	6.32	15.60	14.67	6.83	13.78	13.23	6.63	9.65	9.45	5.30
M	16℃	21℃	13.81	11.33	5.42	13.28	11.02	5.89	12.22	10.14	6.36	10.79	9.17	6.18	7.55	6.57	4.94
		24℃	13.98	13.70	5.42	13.44	13.31	5.89	12.36	12.36	6.36	10.92	10.92	6.18	7.64	7.64	4.94
		27℃	14.14	14.14	5.48	13.60	13.60	5.95	12.51	12.51	6.43	11.18	11.18	6.24	7.83	7.83	4.99
		30℃	14.81	14.81	5.53	14.24	14.24	6.01	13.10	13.10	6.50	11.83	11.83	6.31	8.28	8.28	5.04
	19℃	24℃	15.31	10.72	5.53	14.72	10.30	6.01	13.54	9.62	6.50	11.83	8.52	6.31	8.28	6.13	5.04
		27℃	15.48	12.38	5.59	14.88	12.05	6.08	13.69	11.23	6.56	11.96	9.93	6.37	8.37	7.12	5.10
		30℃	15.64	15.33	5.59	15.04	14.89	6.08	13.84	13.70	6.56	12.09	12.09	6.37	8.46	8.46	5.10
		32℃	15.81	15.81	5.65	15.20	15.20	6.14	13.98	13.98	6.63	12.61	12.61	6.44	8.83	8.83	5.15
	22℃	27℃	16.81	10.59	5.65	16.16	10.18	6.14	14.87	9.37	6.63	13.00	8.32	6.44	9.10	6.01	5.15
		30℃	16.97	12.90	5.70	16.32	12.57	6.20	15.01	11.71	6.70	13.13	10.37	6.50	9.19	7.44	5.20
		32℃	17.14	15.25	5.76	16.48	14.83	6.26	15.16	13.80	6.76	13.26	12.33	6.57	9.28	8.82	5.25
L	16℃	21℃	13.31	10.78	5.36	12.80	10.50	5.83	11.78	9.77	6.29	10.40	8.74	6.11	7.28	6.26	4.89
		24℃	13.48	13.07	5.36	12.96	12.70	5.83	11.92	11.80	6.29	10.53	10.42	6.11	7.37	7.37	4.89
		27℃	13.64	13.37	5.42	13.12	12.99	5.89	12.07	12.07	6.36	10.53	10.53	6.18	7.37	7.37	4.94
		30℃	14.31	14.17	5.48	13.76	13.76	5.95	12.66	12.66	6.43	11.18	11.18	6.24	7.83	7.83	4.99
	19℃	24℃	14.64	9.96	5.48	14.08	9.72	5.95	12.95	8.94	6.43	11.18	7.83	6.24	7.83	5.63	4.99
		27℃	14.81	11.55	5.53	14.24	11.25	6.01	13.10	10.48	6.50	11.44	9.27	6.31	8.01	6.65	5.04
		30℃	14.98	14.38	5.53	14.40	13.97	6.01	13.25	12.98	6.50	11.57	11.45	6.31	8.10	8.10	5.04
		33℃	15.31	15.00	5.59	14.72	14.57	6.08	13.54	13.54	6.56	11.96	11.96	6.37	8.37	8.37	5.10
	22℃	27℃	16.14	9.68	5.59	15.52	9.47	6.08	14.28	8.85	6.56	12.48	7.74	6.37	8.74	5.59	5.10
		30℃	16.31	12.07	5.65	15.68	11.76	6.14	14.43	10.96	6.63	12.61	9.71	6.44	8.83	6.97	5.15
		33℃	16.47	14.33	5.70	15.84	13.94	6.20	14.57	12.97	6.70	12.74	11.59	6.50	8.92	8.29	5.20

Heating

Fan speed	Outdoor air temperature ˚C		Indoor dry bulb temperature ˚C									
			16		18		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	-10	-11	12.31	4.77	11.67	4.90	11.14	5.07	10.68	5.24	10.27	5.42
	-5	-5.6	12.96	4.63	12.28	4.76	11.73	4.93	11.25	5.09	10.81	5.26
	0	-0.7	14.08	4.70	13.35	4.83	12.75	5.00	12.22	5.17	11.75	5.34
	7	6	18.78	5.08	17.80	5.22	17.00	5.40	16.30	5.58	15.67	5.77
	10	8	19.72	5.23	18.69	5.37	17.85	5.56	17.11	5.75	16.46	5.94
H	-10	-11	11.98	4.75	11.35	4.88	10.84	5.05	10.40	5.22	10.00	5.39
	-5	-5.6	12.61	4.61	11.95	4.74	11.41	4.90	10.94	5.07	10.52	5.24
	0	-0.7	13.70	4.68	12.99	4.81	12.41	4.98	11.89	5.14	11.44	5.31
	7	6	18.27	5.05	17.32	5.19	16.54	5.37	15.86	5.55	15.25	5.74
	10	8	19.18	5.20	18.19	5.35	17.37	5.53	16.65	5.72	16.01	5.91
M	-10	-11	11.59	4.82	10.99	4.95	10.50	5.12	10.06	5.30	9.68	5.47
	-5	-5.6	12.20	4.68	11.57	4.81	11.05	4.98	10.59	5.14	10.19	5.31
	0	-0.7	13.26	4.75	12.57	4.88	12.01	5.05	11.51	5.22	11.07	5.39
	7	6	17.69	5.13	16.77	5.27	16.01	5.45	15.35	5.64	14.76	5.83
	10	8	18.57	5.28	17.60	5.43	16.81	5.62	16.12	5.81	15.50	6.00

Symbols:
DB: Dry bulb temperature
WB: Wet bulb temperature
TC: Total cooling(heating) capacity
PI: Power input (compressor + indoor fan motor + outdoor fan motor)

1. The above data are based on the following conditions.

—	Power supply	Equivalent Piping Length
Indoor	220-240V ~50/60Hz	Standard Piping Length

2. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

6.1.2 Duct Type

Model：GUD18PHS1/A-S(E), GUD18PH1/A-S(E)

Cooling

Fan Speed	Entering air temperature ℃		Outdoor Air Dry Bulb Temperature														
			30℃			35℃			40℃			46℃			52℃		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	WB	DB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	16℃	21℃	4.96	4.12	1.24	4.77	4.01	1.35	4.39	3.69	1.46	4.43	3.81	1.92	3.10	2.73	1.54
		24℃	5.02	5.02	1.24	4.82	4.82	1.35	4.44	4.44	1.46	4.53	4.53	1.92	3.17	3.17	1.54
		27℃	5.18	5.18	1.25	4.98	4.98	1.36	4.58	4.58	1.47	4.68	4.68	1.94	3.28	3.28	1.55
		30℃	5.46	5.46	1.27	5.25	5.25	1.38	4.83	4.83	1.49	5.03	5.03	1.96	3.52	3.52	1.57
	19℃	24℃	5.46	3.98	1.27	5.25	3.88	1.38	4.83	3.57	1.49	4.88	3.66	1.96	3.42	2.63	1.57
		27℃	5.51	4.63	1.28	5.30	4.51	1.39	4.88	4.19	1.50	4.93	4.29	1.98	3.45	3.07	1.58
		29℃	5.57	5.57	1.28	5.35	5.35	1.39	4.92	4.92	1.50	4.98	4.98	1.98	3.49	3.49	1.58
		32℃	5.79	5.79	1.29	5.57	5.57	1.40	5.12	5.12	1.52	5.33	5.33	2.00	3.73	3.73	1.60
	22℃	27℃	6.01	3.91	1.29	5.78	3.81	1.40	5.31	3.51	1.52	5.38	3.60	2.00	3.76	2.60	1.60
		30℃	6.06	4.85	1.30	5.83	4.72	1.42	5.36	4.40	1.53	5.43	4.56	2.02	3.80	3.27	1.62
		32℃	6.12	5.69	1.32	5.88	5.53	1.43	5.41	5.14	1.55	5.48	5.37	2.04	3.83	3.83	1.63
H	16℃	21℃	4.80	3.93	1.23	4.61	3.87	1.33	4.24	3.56	1.44	4.28	3.64	1.90	3.00	2.61	1.52
		24℃	4.85	4.80	1.23	4.66	4.66	1.33	4.29	4.29	1.44	4.33	4.33	1.90	3.03	3.03	1.52
		27℃	4.91	4.91	1.24	4.72	4.72	1.35	4.34	4.34	1.46	4.48	4.48	1.92	3.14	3.14	1.54
		30℃	5.18	5.18	1.25	4.98	4.98	1.36	4.58	4.58	1.47	4.78	4.78	1.94	3.35	3.35	1.55
	19℃	24℃	5.29	3.76	1.25	5.09	3.66	1.36	4.68	3.37	1.47	4.73	3.50	1.94	3.31	2.52	1.55
		27℃	5.35	4.38	1.27	5.14	4.27	1.38	4.73	3.97	1.49	4.78	4.06	1.96	3.35	2.91	1.57
		30℃	5.40	5.40	1.27	5.19	5.19	1.38	4.78	4.78	1.49	4.83	4.83	1.96	3.38	3.38	1.57
		33℃	5.51	5.51	1.28	5.30	5.30	1.39	4.88	4.88	1.50	5.03	5.03	1.98	3.52	3.52	1.58
	22℃	27℃	5.73	3.67	1.28	5.51	3.58	1.39	5.07	3.25	1.50	5.18	3.42	1.98	3.63	2.47	1.58
		30℃	5.79	4.51	1.29	5.57	4.40	1.40	5.12	4.10	1.52	5.23	4.24	2.00	3.66	3.04	1.60
		32℃	5.84	5.32	1.30	5.62	5.17	1.42	5.17	4.86	1.53	5.28	5.07	2.02	3.70	3.62	1.62
M	16℃	21℃	4.57	3.75	1.21	4.40	3.65	1.32	4.05	3.36	1.43	4.13	3.51	1.88	2.89	2.52	1.50
		24℃	4.63	4.54	1.21	4.45	4.41	1.32	4.10	4.10	1.43	4.18	4.18	1.88	2.93	2.93	1.50
		27℃	4.69	4.69	1.23	4.51	4.51	1.33	4.14	4.14	1.44	4.28	4.28	1.90	3.00	3.00	1.52
		30℃	4.91	4.91	1.24	4.72	4.72	1.35	4.34	4.34	1.46	4.53	4.53	1.92	3.17	3.17	1.54
	19℃	24℃	5.07	3.55	1.24	4.88	3.41	1.35	4.49	3.19	1.46	4.53	3.26	1.92	3.17	2.35	1.54
		27℃	5.13	4.10	1.25	4.93	3.99	1.36	4.53	3.72	1.47	4.58	3.80	1.94	3.21	2.73	1.55
		30℃	5.18	5.08	1.25	4.98	4.93	1.36	4.58	4.54	1.47	4.63	4.63	1.94	3.24	3.24	1.55
		32℃	5.24	5.24	1.27	5.04	5.04	1.38	4.63	4.63	1.49	4.83	4.83	1.96	3.38	3.38	1.57
	22℃	27℃	5.57	3.51	1.27	5.35	3.37	1.38	4.92	3.10	1.49	4.98	3.19	1.96	3.49	2.30	1.57
		30℃	5.62	4.27	1.28	5.41	4.16	1.39	4.97	3.88	1.50	5.03	3.97	1.98	3.52	2.85	1.58
		32℃	5.68	5.05	1.29	5.46	4.91	1.40	5.02	4.57	1.52	5.08	4.72	2.00	3.56	3.38	1.60

U-MATCH SERIES AIR CONDITIONERS

Fan Speed	Entering air temperature ˚C		Outdoor Air Dry Bulb Temperature														
			30˚C			35˚C			40˚C			46˚C			52˚C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	WB	DB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
L	16˚C	21˚C	4.41	3.57	1.20	4.24	3.48	1.31	3.90	3.24	1.41	3.98	3.35	1.86	2.79	2.40	1.49
		24˚C	4.46	4.33	1.20	4.29	4.21	1.31	3.95	3.91	1.41	4.03	3.99	1.86	2.82	2.82	1.49
		27˚C	4.52	4.43	1.21	4.35	4.30	1.32	4.00	4.00	1.43	4.03	4.03	1.88	2.82	2.82	1.50
		30˚C	4.74	4.69	1.23	4.56	4.56	1.33	4.19	4.19	1.44	4.28	4.28	1.90	3.00	3.00	1.52
	19˚C	24˚C	4.85	3.30	1.23	4.66	3.22	1.33	4.29	2.96	1.44	4.28	3.00	1.90	3.00	2.16	1.52
		27˚C	4.91	3.83	1.24	4.72	3.73	1.35	4.34	3.47	1.46	4.38	3.55	1.92	3.07	2.55	1.54
		30˚C	4.96	4.76	1.24	4.77	4.63	1.35	4.39	4.30	1.46	4.43	4.39	1.92	3.10	3.10	1.54
		33˚C	5.07	4.97	1.25	4.88	4.83	1.36	4.49	4.49	1.47	4.58	4.58	1.94	3.21	3.21	1.55
	22˚C	27˚C	5.35	3.21	1.25	5.14	3.14	1.36	4.73	2.93	1.47	4.78	2.96	1.94	3.35	2.14	1.55
		30˚C	5.40	4.00	1.27	5.19	3.90	1.38	4.78	3.63	1.49	4.83	3.72	1.96	3.38	2.67	1.57
		33˚C	5.46	4.75	1.28	5.25	4.62	1.39	4.83	4.30	1.50	4.88	4.44	1.98	3.42	3.18	1.58

Heating

Fan speed	Outdoor air temperature ˚C		Indoor dry bulb temperature ˚C									
			16		18		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	-10	-11	4.05	1.32	3.84	1.36	3.67	1.41	3.52	1.46	3.38	1.51
	-5	-5.6	4.27	1.29	4.05	1.32	3.86	1.37	3.70	1.41	3.56	1.46
	0	-0.7	4.64	1.31	4.40	1.34	4.20	1.39	4.03	1.44	3.87	1.48
	7	6	6.19	1.41	5.86	1.45	5.60	1.50	5.37	1.55	5.16	1.60
	10	8	6.49	1.45	6.16	1.49	5.88	1.55	5.64	1.60	5.42	1.65
H	-10	-11	3.95	1.32	3.74	1.35	3.57	1.40	3.42	1.45	3.29	1.50
	-5	-5.6	4.15	1.28	3.94	1.32	3.76	1.36	3.60	1.41	3.47	1.45
	0	-0.7	4.51	1.30	4.28	1.34	4.09	1.38	3.92	1.43	3.77	1.48
	7	6	6.02	1.40	5.71	1.44	5.45	1.49	5.22	1.54	5.02	1.59
	10	8	6.32	1.44	5.99	1.49	5.72	1.54	5.49	1.59	5.27	1.64
M	-10	-11	3.82	1.34	3.62	1.38	3.46	1.42	3.31	1.47	3.19	1.52
	-5	-5.6	4.02	1.30	3.81	1.34	3.64	1.38	3.49	1.43	3.36	1.48
	0	-0.7	4.37	1.32	4.14	1.36	3.96	1.40	3.79	1.45	3.65	1.50
	7	6	5.83	1.42	5.52	1.46	5.27	1.52	5.06	1.57	4.86	1.62
	10	8	6.12	1.47	5.80	1.51	5.54	1.56	5.31	1.61	5.11	1.67

Model：GUD24PHS1/A-S(E), GUD24PH1/A-S(E)
Cooling

Fan Speed	Entering air temperature ℃		Outdoor Air Dry Bulb Temperature														
			30℃			35℃			40℃			46℃			52℃		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	WB	DB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	16℃	21℃	6.65	5.52	1.64	6.39	5.37	1.78	5.88	4.94	1.93	5.47	4.71	2.31	3.83	3.37	1.85
		24℃	6.72	6.72	1.64	6.46	6.46	1.78	5.94	5.94	1.93	5.60	5.60	2.31	3.92	3.92	1.85
		27℃	6.94	6.94	1.66	6.67	6.67	1.80	6.14	6.14	1.95	5.78	5.78	2.33	4.05	4.05	1.87
		30℃	7.31	7.31	1.68	7.03	7.03	1.82	6.47	6.47	1.97	6.21	6.21	2.36	4.35	4.35	1.88
	19℃	24℃	7.31	5.34	1.68	7.03	5.20	1.82	6.47	4.79	1.97	6.03	4.52	2.36	4.22	3.25	1.88
		27℃	7.38	6.20	1.69	7.10	6.04	1.84	6.53	5.62	1.99	6.09	5.30	2.38	4.26	3.79	1.90
		29℃	7.46	7.46	1.69	7.17	7.17	1.84	6.60	6.60	1.99	6.15	6.15	2.38	4.31	4.31	1.90
		32℃	7.75	7.75	1.71	7.46	7.46	1.86	6.86	6.86	2.01	6.58	6.58	2.40	4.61	4.61	1.92
	22℃	27℃	8.05	5.23	1.71	7.74	5.11	1.86	7.12	4.70	2.01	6.64	4.45	2.40	4.65	3.21	1.92
		30℃	8.12	6.50	1.73	7.81	6.33	1.88	7.19	5.89	2.03	6.70	5.63	2.43	4.69	4.04	1.94
		32℃	8.20	7.62	1.74	7.88	7.41	1.90	7.25	6.89	2.05	6.77	6.63	2.45	4.74	4.74	1.96
H	16℃	21℃	6.42	5.27	1.63	6.18	5.19	1.77	5.68	4.77	1.91	5.29	4.50	2.28	3.70	3.22	1.83
		24℃	6.50	6.43	1.63	6.25	6.25	1.77	5.75	5.75	1.91	5.35	5.35	2.28	3.75	3.75	1.83
		27℃	6.57	6.57	1.64	6.32	6.32	1.78	5.81	5.81	1.93	5.54	5.54	2.31	3.87	3.87	1.85
		30℃	6.94	6.94	1.66	6.67	6.67	1.80	6.14	6.14	1.95	5.90	5.90	2.33	4.13	4.13	1.87
	19℃	24℃	7.09	5.03	1.66	6.82	4.91	1.80	6.27	4.51	1.95	5.84	4.32	2.33	4.09	3.11	1.87
		27℃	7.16	5.87	1.68	6.89	5.72	1.82	6.34	5.32	1.97	5.90	5.02	2.36	4.13	3.60	1.88
		30℃	7.24	7.24	1.68	6.96	6.96	1.82	6.40	6.40	1.97	5.97	5.97	2.36	4.18	4.18	1.88
		33℃	7.38	7.38	1.69	7.10	7.10	1.84	6.53	6.53	1.99	6.21	6.21	2.38	4.35	4.35	1.90
	22℃	27℃	7.68	4.91	1.69	7.38	4.80	1.84	6.79	4.35	1.99	6.40	4.22	2.38	4.48	3.04	1.90
		30℃	7.75	6.05	1.71	7.46	5.89	1.86	6.86	5.49	2.01	6.46	5.23	2.40	4.52	3.75	1.92
		32℃	7.83	7.12	1.73	7.53	6.92	1.88	6.92	6.51	2.03	6.52	6.26	2.43	4.56	4.47	1.94
M	16℃	21℃	6.13	5.03	1.61	5.89	4.89	1.75	5.42	4.50	1.89	5.10	4.34	2.26	3.57	3.11	1.81
		24℃	6.20	6.08	1.61	5.96	5.90	1.75	5.49	5.49	1.89	5.17	5.17	2.26	3.62	3.62	1.81
		27℃	6.28	6.28	1.63	6.04	6.04	1.77	5.55	5.55	1.91	5.29	5.29	2.28	3.70	3.70	1.83
		30℃	6.57	6.57	1.64	6.32	6.32	1.78	5.81	5.81	1.93	5.60	5.60	2.31	3.92	3.92	1.85
	19℃	24℃	6.79	4.76	1.64	6.53	4.57	1.78	6.01	4.27	1.93	5.60	4.03	2.31	3.92	2.90	1.85
		27℃	6.87	5.49	1.66	6.60	5.35	1.80	6.07	4.98	1.95	5.66	4.70	2.33	3.96	3.37	1.87
		30℃	6.94	6.80	1.66	6.67	6.61	1.80	6.14	6.08	1.95	5.72	5.72	2.33	4.00	4.00	1.87
		32℃	7.01	7.01	1.68	6.75	6.75	1.82	6.21	6.21	1.97	5.97	5.97	2.36	4.18	4.18	1.88
	22℃	27℃	7.46	4.70	1.68	7.17	4.52	1.82	6.60	4.16	1.97	6.15	3.94	2.36	4.31	2.84	1.88
		30℃	7.53	5.72	1.69	7.24	5.58	1.84	6.66	5.20	1.99	6.21	4.91	2.38	4.35	3.52	1.90
		32℃	7.61	6.77	1.71	7.31	6.58	1.86	6.73	6.12	2.01	6.27	5.83	2.40	4.39	4.17	1.92

Fan Speed	Entering air temperature ˚C		Outdoor Air Dry Bulb Temperature														
			30˚C			35˚C			40˚C			46˚C			52˚C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	WB	DB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
L	16˚C	21˚C	5.91	4.78	1.59	5.68	4.66	1.73	5.23	4.34	1.87	4.92	4.13	2.24	3.44	2.96	1.79
		24˚C	5.98	5.80	1.59	5.75	5.64	1.73	5.29	5.24	1.87	4.98	4.93	2.24	3.49	3.49	1.79
		27˚C	6.05	5.93	1.61	5.82	5.76	1.75	5.36	5.36	1.89	4.98	4.98	2.26	3.49	3.49	1.81
		30˚C	6.35	6.29	1.63	6.11	6.11	1.77	5.62	5.62	1.91	5.29	5.29	2.28	3.70	3.70	1.83
	19˚C	24˚C	6.50	4.42	1.63	6.25	4.31	1.77	5.75	3.97	1.91	5.29	3.70	2.28	3.70	2.67	1.83
		27˚C	6.57	5.13	1.64	6.32	4.99	1.78	5.81	4.65	1.93	5.41	4.38	2.31	3.79	3.14	1.85
		30˚C	6.65	6.38	1.64	6.39	6.20	1.78	5.88	5.76	1.93	5.47	5.42	2.31	3.83	3.83	1.85
		33˚C	6.79	6.66	1.66	6.53	6.47	1.80	6.01	6.01	1.95	5.66	5.66	2.33	3.96	3.96	1.87
	22˚C	27˚C	7.16	4.30	1.66	6.89	4.20	1.80	6.34	3.93	1.95	5.90	3.66	2.33	4.13	2.64	1.87
		30˚C	7.24	5.35	1.68	6.96	5.22	1.82	6.40	4.87	1.97	5.97	4.59	2.36	4.18	3.30	1.88
		33˚C	7.31	6.36	1.69	7.03	6.19	1.84	6.47	5.76	1.99	6.03	5.48	2.38	4.22	3.92	1.90

Heating

Fan speed	Outdoor air temperature ˚C		Indoor dry bulb temperature ˚C									
			16		18		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	-10	-11	5.79	2.00	5.49	2.05	5.24	2.12	5.03	2.19	4.83	2.27
	-5	-5.6	6.10	1.94	5.78	1.99	5.52	2.06	5.29	2.13	5.09	2.20
	0	-0.7	6.63	1.97	6.28	2.02	6.00	2.09	5.75	2.16	5.53	2.24
	7	6	8.84	2.12	8.38	2.18	8.00	2.26	7.67	2.34	7.38	2.41
	10	8	9.28	2.19	8.80	2.25	8.40	2.33	8.05	2.41	7.74	2.49
H	-10	-11	5.64	1.99	5.34	2.04	5.10	2.11	4.89	2.18	4.70	2.26
	-5	-5.6	5.93	1.93	5.62	1.98	5.37	2.05	5.15	2.12	4.95	2.19
	0	-0.7	6.45	1.96	6.11	2.01	5.84	2.08	5.60	2.15	5.38	2.22
	7	6	8.60	2.11	8.15	2.17	7.78	2.25	7.46	2.32	7.18	2.40
	10	8	9.03	2.18	8.56	2.24	8.17	2.32	7.84	2.39	7.53	2.47
M	-10	-11	5.46	2.02	5.17	2.07	4.94	2.14	4.74	2.22	4.55	2.29
	-5	-5.6	5.74	1.96	5.44	2.01	5.20	2.08	4.98	2.15	4.79	2.22
	0	-0.7	6.24	1.99	5.92	2.04	5.65	2.11	5.42	2.18	5.21	2.26
	7	6	8.32	2.15	7.89	2.21	7.53	2.28	7.22	2.36	6.95	2.44
	10	8	8.74	2.21	8.28	2.27	7.91	2.35	7.59	2.43	7.29	2.51

Model：GUD36PHS1/A-S(E), GUD36PH1/A-S(E)
Cooling

Fan Speed	Entering air temperature ℃		Outdoor Air Dry Bulb Temperature														
			30℃			35℃			40℃			46℃			52℃		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	WB	DB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	16℃	21℃	9.83	8.16	2.86	9.45	7.94	3.10	8.69	7.30	3.35	8.01	6.89	3.49	5.61	4.93	2.79
		24℃	9.94	9.94	2.86	9.56	9.56	3.10	8.79	8.79	3.35	8.19	8.19	3.49	5.73	5.73	2.79
		27℃	10.26	10.26	2.89	9.87	9.87	3.14	9.08	9.08	3.39	8.46	8.46	3.53	5.92	5.92	2.82
		30℃	10.81	10.81	2.91	10.40	10.40	3.17	9.56	9.56	3.42	9.09	9.09	3.56	6.36	6.36	2.85
	19℃	24℃	10.81	7.89	2.91	10.40	7.69	3.17	9.56	7.08	3.42	8.82	6.62	3.56	6.17	4.75	2.85
		27℃	10.92	9.17	2.94	10.50	8.93	3.20	9.66	8.31	3.46	8.91	7.75	3.60	6.24	5.55	2.88
		29℃	11.03	11.03	2.94	10.61	10.61	3.20	9.76	9.76	3.46	9.00	9.00	3.60	6.30	6.30	2.88
		32℃	11.47	11.47	2.97	11.03	11.03	3.23	10.14	10.14	3.49	9.63	9.63	3.64	6.74	6.74	2.91
	22℃	27℃	11.90	7.74	2.97	11.45	7.55	3.23	10.53	6.95	3.49	9.72	6.51	3.64	6.80	4.69	2.91
		30℃	12.01	9.61	3.00	11.55	9.36	3.26	10.63	8.71	3.53	9.81	8.24	3.67	6.87	5.91	2.94
		32℃	12.12	11.27	3.03	11.66	10.96	3.30	10.72	10.19	3.56	9.90	9.70	3.71	6.93	6.93	2.97
H	16℃	21℃	9.50	7.79	2.83	9.14	7.67	3.07	8.40	7.06	3.32	7.74	6.58	3.46	5.42	4.71	2.76
		24℃	9.61	9.51	2.83	9.24	9.24	3.07	8.50	8.50	3.32	7.83	7.83	3.46	5.48	5.48	2.76
		27℃	9.72	9.72	2.86	9.35	9.35	3.10	8.60	8.60	3.35	8.10	8.10	3.49	5.67	5.67	2.79
		30℃	10.26	10.26	2.89	9.87	9.87	3.14	9.08	9.08	3.39	8.64	8.64	3.53	6.05	6.05	2.82
	19℃	24℃	10.48	7.44	2.89	10.08	7.26	3.14	9.27	6.68	3.39	8.55	6.33	3.53	5.99	4.55	2.82
		27℃	10.59	8.69	2.91	10.19	8.45	3.17	9.37	7.87	3.42	8.64	7.34	3.56	6.05	5.26	2.85
		30℃	10.70	10.70	2.91	10.29	10.29	3.17	9.47	9.47	3.42	8.73	8.73	3.56	6.11	6.11	2.85
		33℃	10.92	10.92	2.94	10.50	10.50	3.20	9.66	9.66	3.46	9.09	9.09	3.60	6.36	6.36	2.88
	22℃	27℃	11.36	7.27	2.94	10.92	7.10	3.20	10.05	6.43	3.46	9.36	6.18	3.60	6.55	4.46	2.88
		30℃	11.47	8.94	2.97	11.03	8.71	3.23	10.14	8.11	3.49	9.45	7.65	3.64	6.62	5.49	2.91
		32℃	11.58	10.53	3.00	11.13	10.24	3.26	10.24	9.63	3.53	9.54	9.16	3.67	6.68	6.54	2.94
M	16℃	21℃	9.06	7.43	2.80	8.72	7.23	3.04	8.02	6.65	3.28	7.47	6.35	3.42	5.23	4.55	2.74
		24℃	9.17	8.99	2.80	8.82	8.73	3.04	8.11	8.11	3.28	7.56	7.56	3.42	5.29	5.29	2.74
		27℃	9.28	9.28	2.83	8.93	8.93	3.07	8.21	8.21	3.32	7.74	7.74	3.46	5.42	5.42	2.76
		30℃	9.72	9.72	2.86	9.35	9.35	3.10	8.60	8.60	3.35	8.19	8.19	3.49	5.73	5.73	2.79
	19℃	24℃	10.05	7.03	2.86	9.66	6.76	3.10	8.89	6.31	3.35	8.19	5.90	3.49	5.73	4.24	2.79
		27℃	10.16	8.12	2.89	9.77	7.91	3.14	8.98	7.37	3.39	8.28	6.87	3.53	5.80	4.93	2.82
		30℃	10.26	10.06	2.89	9.87	9.77	3.14	9.08	8.99	3.39	8.37	8.37	3.53	5.86	5.86	2.82
		32℃	10.37	10.37	2.91	9.98	9.98	3.17	9.18	9.18	3.42	8.73	8.73	3.56	6.11	6.11	2.85
	22℃	27℃	11.03	6.95	2.91	10.61	6.68	3.17	9.76	6.15	3.42	9.00	5.76	3.56	6.30	4.16	2.85
		30℃	11.14	8.47	2.94	10.71	8.25	3.20	9.85	7.69	3.46	9.09	7.18	3.60	6.36	5.15	2.88
		32℃	11.25	10.01	2.97	10.82	9.73	3.23	9.95	9.05	3.49	9.18	8.54	3.64	6.43	6.10	2.91

Fan Speed	Entering air temperature ℃		Outdoor Air Dry Bulb Temperature													
			30℃			35℃			40℃			46℃			52℃		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	WB	DB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
L	16℃	21℃	8.74	7.08	2.77	8.40	6.89	3.01	7.73	6.41	3.25	7.20	6.05	3.38	5.04	4.33	2.71
		24℃	8.85	8.58	2.77	8.51	8.33	3.01	7.82	7.75	3.25	7.29	7.22	3.38	5.10	5.10	2.71
		27℃	8.95	8.78	2.80	8.61	8.52	3.04	7.92	7.92	3.28	7.29	7.29	3.42	5.10	5.10	2.74
		30℃	9.39	9.30	2.83	9.03	9.03	3.07	8.31	8.31	3.32	7.74	7.74	3.46	5.42	5.42	2.76
	19℃	24℃	9.61	6.53	2.83	9.24	6.38	3.07	8.50	5.87	3.32	7.74	5.42	3.46	5.42	3.90	2.76
		27℃	9.72	7.58	2.86	9.35	7.38	3.10	8.60	6.88	3.35	7.92	6.42	3.49	5.54	4.60	2.79
		30℃	9.83	9.43	2.86	9.45	9.17	3.10	8.69	8.52	3.35	8.01	7.93	3.49	5.61	5.61	2.79
		33℃	10.05	9.85	2.89	9.66	9.56	3.14	8.89	8.89	3.39	8.28	8.28	3.53	5.80	5.80	2.82
	22℃	27℃	10.59	6.36	2.89	10.19	6.21	3.14	9.37	5.81	3.39	8.64	5.36	3.53	6.05	3.87	2.82
		30℃	10.70	7.92	2.91	10.29	7.72	3.17	9.47	7.19	3.42	8.73	6.72	3.56	6.11	4.83	2.85
		33℃	10.81	9.41	2.94	10.40	9.15	3.20	9.56	8.51	3.46	8.82	8.03	3.60	6.17	5.74	2.88

Heating

Fan speed	Outdoor air temperature ℃		Indoor dry bulb temperature ℃									
			16		18		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	-10	-11	8.33	3.09	7.89	3.18	7.54	3.29	7.23	3.40	6.95	3.51
	-5	-5.6	8.76	3.00	8.31	3.08	7.94	3.19	7.61	3.30	7.32	3.41
	0	-0.7	9.53	3.05	9.03	3.13	8.63	3.24	8.27	3.35	7.95	3.46
	7	6	12.70	3.29	12.04	3.38	11.50	3.50	11.03	3.62	10.60	3.74
	10	8	13.34	3.39	12.64	3.48	12.08	3.61	11.58	3.73	11.13	3.85
H	-10	-11	8.10	3.08	7.68	3.16	7.33	3.27	7.03	3.38	6.76	3.50
	-5	-5.6	8.53	2.99	8.08	3.07	7.72	3.18	7.40	3.28	7.12	3.39
	0	-0.7	9.27	3.03	8.79	3.12	8.39	3.22	8.05	3.33	7.74	3.44
	7	6	12.36	3.27	11.72	3.36	11.19	3.48	10.73	3.60	10.32	3.72
	10	8	12.98	3.37	12.30	3.47	11.75	3.59	11.26	3.71	10.83	3.83
M	-10	-11	7.84	3.12	7.43	3.21	7.10	3.32	6.81	3.43	6.55	3.55
	-5	-5.6	8.26	3.03	7.83	3.12	7.47	3.22	7.17	3.33	6.89	3.44
	0	-0.7	8.97	3.08	8.51	3.16	8.12	3.27	7.79	3.38	7.49	3.50
	7	6	11.96	3.32	11.34	3.42	10.83	3.54	10.38	3.65	9.99	3.78
	10	8	12.56	3.42	11.91	3.52	11.37	3.64	10.90	3.76	10.48	3.89

Model：GUD48PHS1/A-S(E), GUD48PH1/A-S(E)
Cooling

Fan Speed	Entering air temperature ℃		Outdoor Air Dry Bulb Temperature														
			30℃			35℃			40℃			46℃			52℃		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	WB	DB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	16℃	21℃	13.10	10.88	4.28	12.60	10.58	4.66	11.59	9.74	5.03	10.68	9.18	5.58	7.48	6.58	4.46
		24℃	13.25	13.25	4.28	12.74	12.74	4.66	11.72	11.72	5.03	10.92	10.92	5.58	7.64	7.64	4.46
		27℃	13.69	13.69	4.33	13.16	13.16	4.70	12.11	12.11	5.08	11.28	11.28	5.64	7.90	7.90	4.51
		30℃	14.41	14.41	4.37	13.86	13.86	4.75	12.75	12.75	5.13	12.12	12.12	5.69	8.48	8.48	4.55
	19℃	24℃	14.41	10.52	4.37	13.86	10.26	4.75	12.75	9.44	5.13	11.76	8.82	5.69	8.23	6.34	4.55
		27℃	14.56	12.23	4.42	14.00	11.90	4.80	12.88	11.08	5.18	11.88	10.34	5.75	8.32	7.40	4.60
		29℃	14.71	14.71	4.42	14.14	14.14	4.80	13.01	13.01	5.18	12.00	12.00	5.75	8.40	8.40	4.60
		32℃	15.29	15.29	4.46	14.70	14.70	4.85	13.52	13.52	5.24	12.84	12.84	5.81	8.99	8.99	4.65
	22℃	27℃	15.87	10.32	4.46	15.26	10.07	4.85	14.04	9.27	5.24	12.96	8.68	5.81	9.07	6.26	4.65
		30℃	16.02	12.81	4.50	15.40	12.47	4.90	14.17	11.62	5.29	13.08	10.99	5.87	9.16	7.87	4.69
		32℃	16.16	15.03	4.55	15.54	14.61	4.94	14.30	13.58	5.34	13.20	12.94	5.92	9.24	9.24	4.74
H	16℃	21℃	12.67	10.39	4.24	12.18	10.23	4.61	11.21	9.41	4.98	10.32	8.77	5.52	7.22	6.28	4.42
		24℃	12.81	12.68	4.24	12.32	12.32	4.61	11.33	11.33	4.98	10.44	10.44	5.52	7.31	7.31	4.42
		27℃	12.96	12.96	4.28	12.46	12.46	4.66	11.46	11.46	5.03	10.80	10.80	5.58	7.56	7.56	4.46
		30℃	13.69	13.69	4.33	13.16	13.16	4.70	12.11	12.11	5.08	11.52	11.52	5.64	8.06	8.06	4.51
	19℃	24℃	13.98	9.92	4.33	13.44	9.68	4.70	12.36	8.90	5.08	11.40	8.44	5.64	7.98	6.06	4.51
		27℃	14.12	11.58	4.37	13.58	11.27	4.75	12.49	10.49	5.13	11.52	9.79	5.69	8.06	7.02	4.55
		30℃	14.27	14.27	4.37	13.72	13.72	4.75	12.62	12.62	5.13	11.64	11.64	5.69	8.15	8.15	4.55
		33℃	14.56	14.56	4.42	14.00	14.00	4.80	12.88	12.88	5.18	12.12	12.12	5.75	8.48	8.48	4.60
	22℃	27℃	15.14	9.69	4.42	14.56	9.46	4.80	13.40	8.57	5.18	12.48	8.24	5.75	8.74	5.94	4.60
		30℃	15.29	11.92	4.46	14.70	11.61	4.85	13.52	10.82	5.24	12.60	10.21	5.81	8.82	7.32	4.65
		32℃	15.43	14.04	4.50	14.84	13.65	4.90	13.65	12.83	5.29	12.72	12.21	5.87	8.90	8.73	4.69
M	16℃	21℃	12.08	9.91	4.20	11.62	9.64	4.56	10.69	8.87	4.92	9.96	8.47	5.46	6.97	6.07	4.37
		24℃	12.23	11.99	4.20	11.76	11.64	4.56	10.82	10.82	4.92	10.08	10.08	5.46	7.06	7.06	4.37
		27℃	12.38	12.38	4.24	11.90	11.90	4.61	10.95	10.95	4.98	10.32	10.32	5.52	7.22	7.22	4.42
		30℃	12.96	12.96	4.28	12.46	12.46	4.66	11.46	11.46	5.03	10.92	10.92	5.58	7.64	7.64	4.46
	19℃	24℃	13.40	9.38	4.28	12.88	9.02	4.66	11.85	8.41	5.03	10.92	7.86	5.58	7.64	5.66	4.46
		27℃	13.54	10.83	4.33	13.02	10.55	4.70	11.98	9.82	5.08	11.04	9.16	5.64	7.73	6.57	4.51
		30℃	13.69	13.41	4.33	13.16	13.03	4.70	12.11	11.99	5.08	11.16	11.16	5.64	7.81	7.81	4.51
		32℃	13.83	13.83	4.37	13.30	13.30	4.75	12.24	12.24	5.13	11.64	11.64	5.69	8.15	8.15	4.55
	22℃	27℃	14.71	9.26	4.37	14.14	8.91	4.75	13.01	8.20	5.13	12.00	7.68	5.69	8.40	5.54	4.55
		30℃	14.85	11.29	4.42	14.28	11.00	4.80	13.14	10.25	5.18	12.12	9.57	5.75	8.48	6.87	4.60
		32℃	15.00	13.35	4.46	14.42	12.98	4.85	13.27	12.07	5.24	12.24	11.38	5.81	8.57	8.14	4.65

Fan Speed	Entering air temperature ℃		Outdoor Air Dry Bulb Temperature													
			30℃			35℃			40℃			46℃			52℃		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	WB	DB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
L	16℃	21℃	11.65	9.43	4.15	11.20	9.18	4.51	10.30	8.55	4.87	9.60	8.06	5.41	6.72	5.78	4.32
		24℃	11.79	11.44	4.15	11.34	11.11	4.51	10.43	10.33	4.87	9.72	9.62	5.41	6.80	6.80	4.32
		27℃	11.94	11.70	4.20	11.48	11.37	4.56	10.56	10.56	4.92	9.72	9.72	5.46	6.80	6.80	4.37
		30℃	12.52	12.40	4.24	12.04	12.04	4.61	11.08	11.08	4.98	10.32	10.32	5.52	7.22	7.22	4.42
	19℃	24℃	12.81	8.71	4.24	12.32	8.50	4.61	11.33	7.82	4.98	10.32	7.22	5.52	7.22	5.20	4.42
		27℃	12.96	10.11	4.28	12.46	9.84	4.66	11.46	9.17	5.03	10.56	8.55	5.58	7.39	6.14	4.46
		30℃	13.10	12.58	4.28	12.60	12.22	4.66	11.59	11.36	5.03	10.68	10.57	5.58	7.48	7.48	4.46
		33℃	13.40	13.13	4.33	12.88	12.75	4.70	11.85	11.85	5.08	11.04	11.04	5.64	7.73	7.73	4.51
	22℃	27℃	14.12	8.47	4.33	13.58	8.28	4.70	12.49	7.75	5.08	11.52	7.14	5.64	8.06	5.16	4.51
		30℃	14.27	10.56	4.37	13.72	10.29	4.75	12.62	9.59	5.13	11.64	8.96	5.69	8.15	6.44	4.55
		33℃	14.41	12.54	4.42	13.86	12.20	4.80	12.75	11.35	5.18	11.76	10.70	5.75	8.23	7.66	4.60

Heating

Fan speed	Outdoor air temperature ℃		Indoor dry bulb temperature ℃									
			16		18		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	-10	-11	11.58	3.89	10.98	3.99	10.49	4.13	10.06	4.27	9.67	4.42
	-5	-5.6	12.19	3.77	11.56	3.88	11.04	4.01	10.58	4.15	10.18	4.29
	0	-0.7	13.25	3.83	12.57	3.94	12.00	4.07	11.51	4.21	11.06	4.35
	7	6	17.67	4.14	16.75	4.25	16.00	4.40	15.34	4.55	14.75	4.70
	10	8	18.56	4.26	17.59	4.38	16.80	4.53	16.11	4.68	15.49	4.84
H	-10	-11	11.27	3.87	10.69	3.97	10.20	4.11	9.78	4.25	9.41	4.39
	-5	-5.6	11.87	3.75	11.25	3.86	10.74	3.99	10.30	4.13	9.90	4.27
	0	-0.7	12.90	3.81	12.23	3.92	11.68	4.05	11.19	4.19	10.76	4.33
	7	6	17.20	4.11	16.30	4.23	15.57	4.38	14.93	4.52	14.35	4.68
	10	8	18.06	4.24	17.12	4.36	16.35	4.51	15.67	4.66	15.07	4.82
M	-10	-11	10.91	3.92	10.34	4.03	9.88	4.18	9.47	4.32	9.11	4.46
	-5	-5.6	11.49	3.81	10.89	3.92	10.40	4.05	9.97	4.19	9.59	4.33
	0	-0.7	12.48	3.87	11.83	3.98	11.30	4.11	10.84	4.25	10.42	4.40
	7	6	16.65	4.18	15.78	4.29	15.07	4.44	14.45	4.59	13.89	4.75
	10	8	17.48	4.30	16.57	4.42	15.82	4.58	15.17	4.73	14.59	4.89

Model：GUD60PHS1/A-S(E), GUD60PH1/A-S(E)
Cooling

Fan Speed	Entering air temperature ℃		Outdoor Air Dry Bulb Temperature														
			30℃			35℃			40℃			46℃			52℃		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	WB	DB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	16℃	21℃	14.98	12.43	5.62	14.40	12.10	6.11	13.25	11.13	6.60	11.93	10.26	5.92	8.35	7.35	4.73
		24℃	15.14	15.14	5.62	14.56	14.56	6.11	13.40	13.40	6.60	12.19	12.19	5.92	8.54	8.54	4.73
		27℃	15.64	15.64	5.68	15.04	15.04	6.17	13.84	13.84	6.67	12.60	12.60	5.98	8.82	8.82	4.78
		30℃	16.47	16.47	5.74	15.84	15.84	6.24	14.57	14.57	6.74	13.53	13.53	6.04	9.47	9.47	4.83
	19℃	24℃	16.47	12.03	5.74	15.84	11.72	6.24	14.57	10.78	6.74	13.13	9.85	6.04	9.19	7.08	4.83
		27℃	16.64	13.98	5.80	16.00	13.60	6.30	14.72	12.66	6.80	13.27	11.54	6.10	9.29	8.26	4.88
		29℃	16.81	16.81	5.80	16.16	16.16	6.30	14.87	14.87	6.80	13.40	13.40	6.10	9.38	9.38	4.88
		32℃	17.47	17.47	5.85	16.80	16.80	6.36	15.46	15.46	6.87	14.34	14.34	6.16	10.04	10.04	4.93
	22℃	27℃	18.14	11.79	5.85	17.44	11.51	6.36	16.04	10.59	6.87	14.47	9.70	6.16	10.13	6.99	4.93
		30℃	18.30	14.64	5.91	17.60	14.26	6.43	16.19	13.28	6.94	14.61	12.27	6.22	10.22	8.79	4.98
		32℃	18.47	17.18	5.97	17.76	16.69	6.49	16.34	15.52	7.01	14.74	14.45	6.28	10.32	10.32	5.03
H	16℃	21℃	14.48	11.87	5.56	13.92	11.69	6.05	12.81	10.76	6.53	11.52	9.80	5.86	8.07	7.02	4.68
		24℃	14.64	14.50	5.56	14.08	14.08	6.05	12.95	12.95	6.53	11.66	11.66	5.86	8.16	8.16	4.68
		27℃	14.81	14.81	5.62	14.24	14.24	6.11	13.10	13.10	6.60	12.06	12.06	5.92	8.44	8.44	4.73
		30℃	15.64	15.64	5.68	15.04	15.04	6.17	13.84	13.84	6.67	12.86	12.86	5.98	9.00	9.00	4.78
	19℃	24℃	15.97	11.34	5.68	15.36	11.06	6.17	14.13	10.17	6.67	12.73	9.42	5.98	8.91	6.77	4.78
		27℃	16.14	13.24	5.74	15.52	12.88	6.24	14.28	11.99	6.74	12.86	10.93	6.04	9.00	7.83	4.83
		30℃	16.31	16.31	5.74	15.68	15.68	6.24	14.43	14.43	6.74	13.00	13.00	6.04	9.10	9.10	4.83
		33℃	16.64	16.64	5.80	16.00	16.00	6.30	14.72	14.72	6.80	13.53	13.53	6.10	9.47	9.47	4.88
	22℃	27℃	17.31	11.08	5.80	16.64	10.82	6.30	15.31	9.80	6.80	13.94	9.20	6.10	9.76	6.63	4.88
		30℃	17.47	13.63	5.85	16.80	13.27	6.36	15.46	12.36	6.87	14.07	11.40	6.16	9.85	8.17	4.93
		32℃	17.64	16.05	5.91	16.96	15.60	6.43	15.60	14.67	6.94	14.20	13.64	6.22	9.94	9.74	4.98
M	16℃	21℃	13.81	11.33	5.51	13.28	11.02	5.99	12.22	10.14	6.46	11.12	9.45	5.80	7.79	6.77	4.64
		24℃	13.98	13.70	5.51	13.44	13.31	5.99	12.36	12.36	6.46	11.26	11.26	5.80	7.88	7.88	4.64
		27℃	14.14	14.14	5.56	13.60	13.60	6.05	12.51	12.51	6.53	11.52	11.52	5.86	8.07	8.07	4.68
		30℃	14.81	14.81	5.62	14.24	14.24	6.11	13.10	13.10	6.60	12.19	12.19	5.92	8.54	8.54	4.73
	19℃	24℃	15.31	10.72	5.62	14.72	10.30	6.11	13.54	9.62	6.60	12.19	8.78	5.92	8.54	6.32	4.73
		27℃	15.48	12.38	5.68	14.88	12.05	6.17	13.69	11.23	6.67	12.33	10.23	5.98	8.63	7.34	4.78
		30℃	15.64	15.33	5.68	15.04	14.89	6.17	13.84	13.70	6.67	12.46	12.46	5.98	8.72	8.72	4.78
		32℃	15.81	15.81	5.74	15.20	15.20	6.24	13.98	13.98	6.74	13.00	13.00	6.04	9.10	9.10	4.83
	22℃	27℃	16.81	10.59	5.74	16.16	10.18	6.24	14.87	9.37	6.74	13.40	8.58	6.04	9.38	6.19	4.83
		30℃	16.97	12.90	5.80	16.32	12.57	6.30	15.01	11.71	6.80	13.53	10.69	6.10	9.47	7.67	4.88
		32℃	17.14	15.25	5.85	16.48	14.83	6.36	15.16	13.80	6.87	13.67	12.71	6.16	9.57	9.09	4.93

Fan Speed	Entering air temperature ℃		Outdoor Air Dry Bulb Temperature														
			30℃			35℃			40℃			46℃			52℃		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	WB	DB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
L	16℃	21℃	13.31	10.78	5.45	12.80	10.50	5.92	11.78	9.77	6.40	10.72	9.00	5.73	7.50	6.45	4.59
		24℃	13.48	13.07	5.45	12.96	12.70	5.92	11.92	11.80	6.40	10.85	10.75	5.73	7.60	7.60	4.59
		27℃	13.64	13.37	5.51	13.12	12.99	5.99	12.07	12.07	6.46	10.85	10.85	5.80	7.60	7.60	4.64
		30℃	14.31	14.17	5.56	13.76	13.76	6.05	12.66	12.66	6.53	11.52	11.52	5.86	8.07	8.07	4.68
	19℃	24℃	14.64	9.96	5.56	14.08	9.72	6.05	12.95	8.94	6.53	11.52	8.07	5.86	8.07	5.81	4.68
		27℃	14.81	11.55	5.62	14.24	11.25	6.11	13.10	10.48	6.60	11.79	9.55	5.92	8.25	6.85	4.73
		30℃	14.98	14.38	5.62	14.40	13.97	6.11	13.25	12.98	6.60	11.93	11.81	5.92	8.35	8.35	4.73
		33℃	15.31	15.00	5.68	14.72	14.57	6.17	13.54	13.54	6.67	12.33	12.33	5.98	8.63	8.63	4.78
	22℃	27℃	16.14	9.68	5.68	15.52	9.47	6.17	14.28	8.85	6.67	12.86	7.98	5.98	9.00	5.76	4.78
		30℃	16.31	12.07	5.74	15.68	11.76	6.24	14.43	10.96	6.74	13.00	10.01	6.04	9.10	7.19	4.83
		33℃	16.47	14.33	5.80	15.84	13.94	6.30	14.57	12.97	6.80	13.13	11.95	6.10	9.19	8.55	4.88

Heating

Fan speed	Outdoor air temperature ℃		Indoor dry bulb temperature ℃									
			16		18		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	-10	-11	12.31	4.42	11.67	4.54	11.14	4.70	10.68	4.86	10.27	5.02
	-5	-5.6	12.96	4.29	12.28	4.41	11.73	4.56	11.25	4.71	10.81	4.87
	0	-0.7	14.08	4.35	13.35	4.47	12.75	4.63	12.22	4.78	11.75	4.95
	7	6	18.78	4.70	17.80	4.83	17.00	5.00	16.30	5.17	15.67	5.34
	10	8	19.72	4.84	18.69	4.98	17.85	5.15	17.11	5.32	16.46	5.50
H	-10	-11	11.98	4.39	11.35	4.52	10.84	4.67	10.40	4.83	10.00	4.99
	-5	-5.6	12.61	4.27	11.95	4.39	11.41	4.54	10.94	4.69	10.52	4.85
	0	-0.7	13.70	4.33	12.99	4.45	12.41	4.61	11.89	4.76	11.44	4.92
	7	6	18.27	4.68	17.32	4.81	16.54	4.98	15.86	5.14	15.25	5.31
	10	8	19.18	4.82	18.19	4.95	17.37	5.12	16.65	5.30	16.01	5.47
M	-10	-11	11.59	4.46	10.99	4.58	10.50	4.75	10.06	4.90	9.68	5.07
	-5	-5.6	12.20	4.33	11.57	4.45	11.05	4.61	10.59	4.76	10.19	4.92
	0	-0.7	13.26	4.39	12.57	4.52	12.01	4.68	11.51	4.83	11.07	4.99
	7	6	17.69	4.75	16.77	4.88	16.01	5.05	15.35	5.22	14.76	5.39
	10	8	18.57	4.89	17.60	5.03	16.81	5.20	16.12	5.38	15.50	5.56

Symbols:
DB: Dry bulb temperature
WB: Wet bulb temperature
TC: Total cooling(heating) capacity
PI: Power input (compressor + indoor fan motor + outdoor fan motor)

1. The above data are based on the following conditions.

—	Power Supply	Equivalent Piping Length
Indoor	220-240V ~50/60Hz	Standard Piping Length

2. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

6.1.3 Floor Ceiling Type

Model：GUD36ZD1/A-S(E)

Cooling

Fan Speed	Entering air temperature ℃		Outdoor Air Dry Bulb Temperature														
			30℃			35℃			40℃			46℃			52℃		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	WB	DB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	16℃	21℃	9.83	8.16	2.77	9.45	7.94	3.01	8.69	7.30	3.25	8.01	6.89	3.40	5.61	4.93	2.72
		24℃	9.94	9.94	2.77	9.56	9.56	3.01	8.79	8.79	3.25	8.19	8.19	3.40	5.73	5.73	2.72
		27℃	10.26	10.26	2.79	9.87	9.87	3.04	9.08	9.08	3.28	8.46	8.46	3.43	5.92	5.92	2.74
		30℃	10.81	10.81	2.82	10.40	10.40	3.07	9.56	9.56	3.31	9.09	9.09	3.47	6.36	6.36	2.77
	19℃	24℃	10.81	7.89	2.82	10.40	7.69	3.07	9.56	7.08	3.31	8.82	6.62	3.47	6.17	4.75	2.77
		27℃	10.92	9.17	2.85	10.50	8.93	3.10	9.66	8.31	3.35	8.91	7.75	3.50	6.24	5.55	2.80
		29℃	11.03	11.03	2.85	10.61	10.61	3.10	9.76	9.76	3.35	9.00	9.00	3.50	6.30	6.30	2.80
		32℃	11.47	11.47	2.88	11.03	11.03	3.13	10.14	10.14	3.38	9.63	9.63	3.54	6.74	6.74	2.83
	22℃	27℃	11.90	7.74	2.88	11.45	7.55	3.13	10.53	6.95	3.38	9.72	6.51	3.54	6.80	4.69	2.83
		30℃	12.01	9.61	2.91	11.55	9.36	3.16	10.63	8.71	3.41	9.81	8.24	3.57	6.87	5.91	2.86
		32℃	12.12	11.27	2.94	11.66	10.96	3.19	10.72	10.19	3.45	9.90	9.70	3.61	6.93	6.93	2.88
H	16℃	21℃	9.50	7.79	2.74	9.14	7.67	2.98	8.40	7.06	3.21	7.74	6.58	3.36	5.42	4.71	2.69
		24℃	9.61	9.51	2.74	9.24	9.24	2.98	8.50	8.50	3.21	7.83	7.83	3.36	5.48	5.48	2.69
		27℃	9.72	9.72	2.77	9.35	9.35	3.01	8.60	8.60	3.25	8.10	8.10	3.40	5.67	5.67	2.72
		30℃	10.26	10.26	2.79	9.87	9.87	3.04	9.08	9.08	3.28	8.64	8.64	3.43	6.05	6.05	2.74
	19℃	24℃	10.48	7.44	2.79	10.08	7.26	3.04	9.27	6.68	3.28	8.55	6.33	3.43	5.99	4.55	2.74
		27℃	10.59	8.69	2.82	10.19	8.45	3.07	9.37	7.87	3.31	8.64	7.34	3.47	6.05	5.26	2.77
		30℃	10.70	10.70	2.82	10.29	10.29	3.07	9.47	9.47	3.31	8.73	8.73	3.47	6.11	6.11	2.77
		33℃	10.92	10.92	2.85	10.50	10.50	3.10	9.66	9.66	3.35	9.09	9.09	3.50	6.36	6.36	2.80
	22℃	27℃	11.36	7.27	2.85	10.92	7.10	3.10	10.05	6.43	3.35	9.36	6.18	3.50	6.55	4.46	2.80
		30℃	11.47	8.94	2.88	11.03	8.71	3.13	10.14	8.11	3.38	9.45	7.65	3.54	6.62	5.49	2.83
		32℃	11.58	10.53	2.91	11.13	10.24	3.16	10.24	9.63	3.41	9.54	9.16	3.57	6.68	6.54	2.86
M	16℃	21℃	9.06	7.43	2.71	8.72	7.23	2.95	8.02	6.65	3.18	7.47	6.35	3.33	5.23	4.55	2.66
		24℃	9.17	8.99	2.71	8.82	8.73	2.95	8.11	8.11	3.18	7.56	7.56	3.33	5.29	5.29	2.66
		27℃	9.28	9.28	2.74	8.93	8.93	2.98	8.21	8.21	3.21	7.74	7.74	3.36	5.42	5.42	2.69
		30℃	9.72	9.72	2.77	9.35	9.35	3.01	8.60	8.60	3.25	8.19	8.19	3.40	5.73	5.73	2.72
	19℃	24℃	10.05	7.03	2.77	9.66	6.76	3.01	8.89	6.31	3.25	8.19	5.90	3.40	5.73	4.24	2.72
		27℃	10.16	8.12	2.79	9.77	7.91	3.04	8.98	7.37	3.28	8.28	6.87	3.43	5.80	4.93	2.74
		30℃	10.26	10.06	2.79	9.87	9.77	3.04	9.08	8.99	3.28	8.37	8.37	3.43	5.86	5.86	2.74
		32℃	10.37	10.37	2.82	9.98	9.98	3.07	9.18	9.18	3.31	8.73	8.73	3.47	6.11	6.11	2.77
	22℃	27℃	11.03	6.95	2.82	10.61	6.68	3.07	9.76	6.15	3.31	9.00	5.76	3.47	6.30	4.16	2.77
		30℃	11.14	8.47	2.85	10.71	8.25	3.10	9.85	7.69	3.35	9.09	7.18	3.50	6.36	5.15	2.80
		32℃	11.25	10.01	2.88	10.82	9.73	3.13	9.95	9.05	3.38	9.18	8.54	3.54	6.43	6.10	2.83

U-MATCH SERIES AIR CONDITIONERS

Fan Speed	Entering air temperature ℃		Outdoor Air Dry Bulb Temperature													
			30℃			35℃			40℃			46℃			52℃		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	WB	DB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
L	16℃	21℃	8.74	7.08	2.68	8.40	6.89	2.91	7.73	6.41	3.15	7.20	6.05	3.29	5.04	4.33	2.63
		24℃	8.85	8.58	2.68	8.51	8.33	2.91	7.82	7.75	3.15	7.29	7.22	3.29	5.10	5.10	2.63
		27℃	8.95	8.78	2.71	8.61	8.52	2.95	7.92	7.92	3.18	7.29	7.29	3.33	5.10	5.10	2.66
		30℃	9.39	9.30	2.74	9.03	9.03	2.98	8.31	8.31	3.21	7.74	7.74	3.36	5.42	5.42	2.69
	19℃	24℃	9.61	6.53	2.74	9.24	6.38	2.98	8.50	5.87	3.21	7.74	5.42	3.36	5.42	3.90	2.69
		27℃	9.72	7.58	2.77	9.35	7.38	3.01	8.60	6.88	3.25	7.92	6.42	3.40	5.54	4.60	2.72
		30℃	9.83	9.43	2.77	9.45	9.17	3.01	8.69	8.52	3.25	8.01	7.93	3.40	5.61	5.61	2.72
		33℃	10.05	9.85	2.79	9.66	9.56	3.04	8.89	8.89	3.28	8.28	8.28	3.43	5.80	5.80	2.74
	22℃	27℃	10.59	6.36	2.79	10.19	6.21	3.04	9.37	5.81	3.28	8.64	5.36	3.43	6.05	3.87	2.74
		30℃	10.70	7.92	2.82	10.29	7.72	3.07	9.47	7.19	3.31	8.73	6.72	3.47	6.11	4.83	2.77
		33℃	10.81	9.41	2.85	10.40	9.15	3.10	9.56	8.51	3.35	8.82	8.03	3.50	6.17	5.74	2.80

Heating

Fan speed	Outdoor air temperature ℃		Indoor dry bulb temperature ℃									
			16		18		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	-10	-11	8.11	2.83	7.69	2.91	7.34	3.01	7.04	3.11	6.77	3.21
	-5	-5.6	8.54	2.74	8.09	2.82	7.73	2.92	7.41	3.02	7.12	3.12
	0	-0.7	9.28	2.78	8.80	2.86	8.40	2.96	8.05	3.06	7.74	3.16
	7	6	12.37	3.01	11.73	3.09	11.20	3.20	10.74	3.31	10.33	3.42
	10	8	12.99	3.10	12.31	3.18	11.76	3.30	11.28	3.41	10.84	3.52
H	-10	-11	7.89	2.81	7.48	2.89	7.14	2.99	6.85	3.09	6.59	3.20
	-5	-5.6	8.31	2.73	7.87	2.81	7.52	2.90	7.21	3.00	6.93	3.10
	0	-0.7	9.03	2.77	8.56	2.85	8.17	2.95	7.84	3.05	7.53	3.15
	7	6	12.04	2.99	11.41	3.08	10.90	3.18	10.45	3.29	10.05	3.40
	10	8	12.64	3.08	11.98	3.17	11.44	3.28	10.97	3.39	10.55	3.50
M	-10	-11	7.64	2.85	7.24	2.93	6.91	3.04	6.63	3.14	6.37	3.24
	-5	-5.6	8.04	2.77	7.62	2.85	7.28	2.95	6.98	3.05	6.71	3.15
	0	-0.7	8.74	2.81	8.28	2.89	7.91	2.99	7.59	3.09	7.29	3.20
	7	6	11.65	3.04	11.05	3.12	10.55	3.23	10.11	3.34	9.72	3.45
	10	8	12.23	3.13	11.60	3.22	11.08	3.33	10.62	3.44	10.21	3.56

Model：GUD48ZD1/A-S(E)
Cooling

Fan Speed	Entering air temperature ℃		Outdoor Air Dry Bulb Temperature														
			30℃			35℃			40℃			46℃			52℃		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	WB	DB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	16℃	21℃	13.10	10.88	4.28	12.60	10.58	4.66	11.59	9.74	5.03	10.68	9.18	5.19	7.48	6.58	4.15
		24℃	13.25	13.25	4.28	12.74	12.74	4.66	11.72	11.72	5.03	10.92	10.92	5.19	7.64	7.64	4.15
		27℃	13.69	13.69	4.33	13.16	13.16	4.70	12.11	12.11	5.08	11.28	11.28	5.24	7.90	7.90	4.19
		30℃	14.41	14.41	4.37	13.86	13.86	4.75	12.75	12.75	5.13	12.12	12.12	5.30	8.48	8.48	4.24
	19℃	24℃	14.41	10.52	4.37	13.86	10.26	4.75	12.75	9.44	5.13	11.76	8.82	5.30	8.23	6.34	4.24
		27℃	14.56	12.23	4.42	14.00	11.90	4.80	12.88	11.08	5.18	11.88	10.34	5.35	8.32	7.40	4.28
		29℃	14.71	14.71	4.42	14.14	14.14	4.80	13.01	13.01	5.18	12.00	12.00	5.35	8.40	8.40	4.28
		32℃	15.29	15.29	4.46	14.70	14.70	4.85	13.52	13.52	5.24	12.84	12.84	5.40	8.99	8.99	4.32
	22℃	27℃	15.87	10.32	4.46	15.26	10.07	4.85	14.04	9.27	5.24	12.96	8.68	5.40	9.07	6.26	4.32
		30℃	16.02	12.81	4.50	15.40	12.47	4.90	14.17	11.62	5.29	13.08	10.99	5.46	9.16	7.87	4.37
		32℃	16.16	15.03	4.55	15.54	14.61	4.94	14.30	13.58	5.34	13.20	12.94	5.51	9.24	9.24	4.41
H	16℃	21℃	12.67	10.39	4.24	12.18	10.23	4.61	11.21	9.41	4.98	10.32	8.77	5.14	7.22	6.28	4.11
		24℃	12.81	12.68	4.24	12.32	12.32	4.61	11.33	11.33	4.98	10.44	10.44	5.14	7.31	7.31	4.11
		27℃	12.96	12.96	4.28	12.46	12.46	4.66	11.46	11.46	5.03	10.80	10.80	5.19	7.56	7.56	4.15
		30℃	13.69	13.69	4.33	13.16	13.16	4.70	12.11	12.11	5.08	11.52	11.52	5.24	8.06	8.06	4.19
	19℃	24℃	13.98	9.92	4.33	13.44	9.68	4.70	12.36	8.90	5.08	11.40	8.44	5.24	7.98	6.06	4.19
		27℃	14.12	11.58	4.37	13.58	11.27	4.75	12.49	10.49	5.13	11.52	9.79	5.30	8.06	7.02	4.24
		30℃	14.27	14.27	4.37	13.72	13.72	4.75	12.62	12.62	5.13	11.64	11.64	5.30	8.15	8.15	4.24
		33℃	14.56	14.56	4.42	14.00	14.00	4.80	12.88	12.88	5.18	12.12	12.12	5.35	8.48	8.48	4.28
	22℃	27℃	15.14	9.69	4.42	14.56	9.46	4.80	13.40	8.57	5.18	12.48	8.24	5.35	8.74	5.94	4.28
		30℃	15.29	11.92	4.46	14.70	11.61	4.85	13.52	10.82	5.24	12.60	10.21	5.40	8.82	7.32	4.32
		32℃	15.43	14.04	4.50	14.84	13.65	4.90	13.65	12.83	5.29	12.72	12.21	5.46	8.90	8.73	4.37
M	16℃	21℃	12.08	9.91	4.20	11.62	9.64	4.56	10.69	8.87	4.92	9.96	8.47	5.08	6.97	6.07	4.07
		24℃	12.23	11.99	4.20	11.76	11.64	4.56	10.82	10.82	4.92	10.08	10.08	5.08	7.06	7.06	4.07
		27℃	12.38	12.38	4.24	11.90	11.90	4.61	10.95	10.95	4.98	10.32	10.32	5.14	7.22	7.22	4.11
		30℃	12.96	12.96	4.28	12.46	12.46	4.66	11.46	11.46	5.03	10.92	10.92	5.19	7.64	7.64	4.15
	19℃	24℃	13.40	9.38	4.28	12.88	9.02	4.66	11.85	8.41	5.03	10.92	7.86	5.19	7.64	5.66	4.15
		27℃	13.54	10.83	4.33	13.02	10.55	4.70	11.98	9.82	5.08	11.04	9.16	5.24	7.73	6.57	4.19
		30℃	13.69	13.41	4.33	13.16	13.03	4.70	12.11	11.99	5.08	11.16	11.16	5.24	7.81	7.81	4.19
		32℃	13.83	13.83	4.37	13.30	13.30	4.75	12.24	12.24	5.13	11.64	11.64	5.30	8.15	8.15	4.24
	22℃	27℃	14.71	9.26	4.37	14.14	8.91	4.75	13.01	8.20	5.13	12.00	7.68	5.30	8.40	5.54	4.24
		30℃	14.85	11.29	4.42	14.28	11.00	4.80	13.14	10.25	5.18	12.12	9.57	5.35	8.48	6.87	4.28
		32℃	15.00	13.35	4.46	14.42	12.98	4.85	13.27	12.07	5.24	12.24	11.38	5.40	8.57	8.14	4.32

Fan Speed	Entering air temperature ℃		Outdoor Air Dry Bulb Temperature														
			30℃			35℃			40℃			46℃			52℃		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	WB	DB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
L	16℃	21℃	11.65	9.43	4.15	11.20	9.18	4.51	10.30	8.55	4.87	9.60	8.06	5.03	6.72	5.78	4.02
		24℃	11.79	11.44	4.15	11.34	11.11	4.51	10.43	10.33	4.87	9.72	9.62	5.03	6.80	6.80	4.02
		27℃	11.94	11.70	4.20	11.48	11.37	4.56	10.56	10.56	4.92	9.72	9.72	5.08	6.80	6.80	4.07
		30℃	12.52	12.40	4.24	12.04	12.04	4.61	11.08	11.08	4.98	10.32	10.32	5.14	7.22	7.22	4.11
	19℃	24℃	12.81	8.71	4.24	12.32	8.50	4.61	11.33	7.82	4.98	10.32	7.22	5.14	7.22	5.20	4.11
		27℃	12.96	10.11	4.28	12.46	9.84	4.66	11.46	9.17	5.03	10.56	8.55	5.19	7.39	6.14	4.15
		30℃	13.10	12.58	4.28	12.60	12.22	4.66	11.59	11.36	5.03	10.68	10.57	5.19	7.48	7.48	4.15
		33℃	13.40	13.13	4.33	12.88	12.75	4.70	11.85	11.85	5.08	11.04	11.04	5.24	7.73	7.73	4.19
	22℃	27℃	14.12	8.47	4.33	13.58	8.28	4.70	12.49	7.75	5.08	11.52	7.14	5.24	8.06	5.16	4.19
		30℃	14.27	10.56	4.37	13.72	10.29	4.75	12.62	9.59	5.13	11.64	8.96	5.30	8.15	6.44	4.24
		33℃	14.41	12.54	4.42	13.86	12.20	4.80	12.75	11.35	5.18	11.76	10.70	5.35	8.23	7.66	4.28

Heating

Fan speed	Outdoor air temperature ℃		Indoor dry bulb temperature ℃									
			16		18		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	-10	-11	10.86	3.89	10.30	3.99	9.83	4.13	9.43	4.27	9.06	4.42
	-5	-5.6	11.43	3.77	10.84	3.88	10.35	4.01	9.92	4.15	9.54	4.29
	0	-0.7	12.43	3.83	11.78	3.94	11.25	4.07	10.79	4.21	10.37	4.35
	7	6	16.57	4.14	15.71	4.25	15.00	4.40	14.38	4.55	13.83	4.70
	10	8	17.40	4.26	16.49	4.38	15.75	4.53	15.10	4.68	14.52	4.84
H	-10	-11	10.57	3.87	10.02	3.97	9.57	4.11	9.17	4.25	8.82	4.39
	-5	-5.6	11.12	3.75	10.55	3.86	10.07	3.99	9.66	4.13	9.28	4.27
	0	-0.7	12.09	3.81	11.46	3.92	10.95	4.05	10.49	4.19	10.09	4.33
	7	6	16.12	4.11	15.28	4.23	14.60	4.38	13.99	4.52	13.46	4.68
	10	8	16.93	4.24	16.05	4.36	15.32	4.51	14.69	4.66	14.13	4.82
M	-10	-11	10.23	3.92	9.70	4.03	9.26	4.18	8.88	4.32	8.54	4.46
	-5	-5.6	10.77	3.81	10.21	3.92	9.75	4.05	9.35	4.19	8.99	4.33
	0	-0.7	11.70	3.87	11.10	3.98	10.60	4.11	10.16	4.25	9.77	4.40
	7	6	15.61	4.18	14.79	4.29	14.13	4.44	13.55	4.59	13.02	4.75
	10	8	16.39	4.30	15.53	4.42	14.83	4.58	14.22	4.73	13.68	4.89

Model：GUD60ZD1/A-S(E)
Cooling

Fan Speed	Entering air temperature ℃		Outdoor Air Dry Bulb Temperature														
			30℃			35℃			40℃			46℃			52℃		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	WB	DB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	16℃	21℃	14.79	12.27	5.44	14.22	11.94	5.92	13.08	10.99	6.39	11.93	10.26	6.31	8.35	7.35	5.04
		24℃	14.95	14.95	5.44	14.38	14.38	5.92	13.23	13.23	6.39	12.19	12.19	6.31	8.54	8.54	5.04
		27℃	15.45	15.45	5.50	14.85	14.85	5.98	13.66	13.66	6.46	12.60	12.60	6.37	8.82	8.82	5.10
		30℃	16.27	16.27	5.56	15.64	15.64	6.04	14.39	14.39	6.52	13.53	13.53	6.44	9.47	9.47	5.15
	19℃	24℃	16.27	11.88	5.56	15.64	11.58	6.04	14.39	10.65	6.52	13.13	9.85	6.44	9.19	7.08	5.15
		27℃	16.43	13.80	5.61	15.80	13.43	6.10	14.54	12.50	6.59	13.27	11.54	6.50	9.29	8.26	5.20
		29℃	16.60	16.60	5.61	15.96	15.96	6.10	14.68	14.68	6.59	13.40	13.40	6.50	9.38	9.38	5.20
		32℃	17.25	17.25	5.67	16.59	16.59	6.16	15.26	15.26	6.65	14.34	14.34	6.57	10.04	10.04	5.25
	22℃	27℃	17.91	11.64	5.67	17.22	11.37	6.16	15.84	10.46	6.65	14.47	9.70	6.57	10.13	6.99	5.25
		30℃	18.08	14.46	5.72	17.38	14.08	6.22	15.99	13.11	6.72	14.61	12.27	6.63	10.22	8.79	5.30
		32℃	18.24	16.96	5.78	17.54	16.49	6.28	16.13	15.33	6.79	14.74	14.45	6.70	10.32	10.32	5.36
H	16℃	21℃	14.30	11.72	5.39	13.75	11.55	5.86	12.65	10.62	6.32	11.52	9.80	6.24	8.07	7.02	4.99
		24℃	14.46	14.32	5.39	13.90	13.90	5.86	12.79	12.79	6.32	11.66	11.66	6.24	8.16	8.16	4.99
		27℃	14.62	14.62	5.44	14.06	14.06	5.92	12.94	12.94	6.39	12.06	12.06	6.31	8.44	8.44	5.04
		30℃	15.45	15.45	5.50	14.85	14.85	5.98	13.66	13.66	6.46	12.86	12.86	6.37	9.00	9.00	5.10
	19℃	24℃	15.77	11.20	5.50	15.17	10.92	5.98	13.95	10.05	6.46	12.73	9.42	6.37	8.91	6.77	5.10
		27℃	15.94	13.07	5.56	15.33	12.72	6.04	14.10	11.84	6.52	12.86	10.93	6.44	9.00	7.83	5.15
		30℃	16.10	16.10	5.56	15.48	15.48	6.04	14.25	14.25	6.52	13.00	13.00	6.44	9.10	9.10	5.15
		33℃	16.43	16.43	5.61	15.80	15.80	6.10	14.54	14.54	6.59	13.53	13.53	6.50	9.47	9.47	5.20
	22℃	27℃	17.09	10.94	5.61	16.43	10.68	6.10	15.12	9.68	6.59	13.94	9.20	6.50	9.76	6.63	5.20
		30℃	17.25	13.46	5.67	16.59	13.11	6.16	15.26	12.21	6.65	14.07	11.40	6.57	9.85	8.17	5.25
		32℃	17.42	15.85	5.72	16.75	15.41	6.22	15.41	14.48	6.72	14.20	13.64	6.63	9.94	9.74	5.30
M	16℃	21℃	13.64	11.18	5.33	13.11	10.88	5.80	12.06	10.01	6.26	11.12	9.45	6.18	7.79	6.77	4.94
		24℃	13.80	13.53	5.33	13.27	13.14	5.80	12.21	12.21	6.26	11.26	11.26	6.18	7.88	7.88	4.94
		27℃	13.97	13.97	5.39	13.43	13.43	5.86	12.36	12.36	6.32	11.52	11.52	6.24	8.07	8.07	4.99
		30℃	14.62	14.62	5.44	14.06	14.06	5.92	12.94	12.94	6.39	12.19	12.19	6.31	8.54	8.54	5.04
	19℃	24℃	15.12	10.58	5.44	14.54	10.18	5.92	13.37	9.49	6.39	12.19	8.78	6.31	8.54	6.32	5.04
		27℃	15.28	12.23	5.50	14.69	11.90	5.98	13.52	11.09	6.46	12.33	10.23	6.37	8.63	7.34	5.10
		30℃	15.45	15.14	5.50	14.85	14.70	5.98	13.66	13.53	6.46	12.46	12.46	6.37	8.72	8.72	5.10
		32℃	15.61	15.61	5.56	15.01	15.01	6.04	13.81	13.81	6.52	13.00	13.00	6.44	9.10	9.10	5.15
	22℃	27℃	16.60	10.46	5.56	15.96	10.05	6.04	14.68	9.25	6.52	13.40	8.58	6.44	9.38	6.19	5.15
		30℃	16.76	12.74	5.61	16.12	12.41	6.10	14.83	11.56	6.59	13.53	10.69	6.50	9.47	7.67	5.20
		32℃	16.92	15.06	5.67	16.27	14.65	6.16	14.97	13.62	6.65	13.67	12.71	6.57	9.57	9.09	5.25

Fan Speed	Entering air temperature ℃		Outdoor Air Dry Bulb Temperature													
			30℃			35℃			40℃			46℃			52℃		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	WB	DB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
L	16℃	21℃	13.15	10.65	5.28	12.64	10.36	5.73	11.63	9.65	6.19	10.72	9.00	6.11	7.50	6.45	4.89
		24℃	13.31	12.91	5.28	12.80	12.54	5.73	11.77	11.66	6.19	10.85	10.75	6.11	7.60	7.60	4.89
		27℃	13.47	13.20	5.33	12.96	12.83	5.80	11.92	11.92	6.26	10.85	10.85	6.18	7.60	7.60	4.94
		30℃	14.13	13.99	5.39	13.59	13.59	5.86	12.50	12.50	6.32	11.52	11.52	6.24	8.07	8.07	4.99
	19℃	24℃	14.46	9.83	5.39	13.90	9.59	5.86	12.79	8.83	6.32	11.52	8.07	6.24	8.07	5.81	4.99
		27℃	14.62	11.41	5.44	14.06	11.11	5.92	12.94	10.35	6.39	11.79	9.55	6.31	8.25	6.85	5.04
		30℃	14.79	14.20	5.44	14.22	13.79	5.92	13.08	12.82	6.39	11.93	11.81	6.31	8.35	8.35	5.04
		33℃	15.12	14.82	5.50	14.54	14.39	5.98	13.37	13.37	6.46	12.33	12.33	6.37	8.63	8.63	5.10
	22℃	27℃	15.94	9.56	5.50	15.33	9.35	5.98	14.10	8.74	6.46	12.86	7.98	6.37	9.00	5.76	5.10
		30℃	16.10	11.92	5.56	15.48	11.61	6.04	14.25	10.83	6.52	13.00	10.01	6.44	9.10	7.19	5.15
		33℃	16.27	14.15	5.61	15.64	13.76	6.10	14.39	12.81	6.59	13.13	11.95	6.50	9.19	8.55	5.20

Heating

Fan speed	Outdoor air temperature ℃		Indoor dry bulb temperature ℃									
			16		18		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	-10	-11	12.31	4.42	11.67	4.54	11.14	4.70	10.68	4.86	10.27	5.02
	-5	-5.6	12.96	4.29	12.28	4.41	11.73	4.56	11.25	4.71	10.81	4.87
	0	-0.7	14.08	4.35	13.35	4.47	12.75	4.63	12.22	4.78	11.75	4.95
	7	6	18.78	4.70	17.80	4.83	17.00	5.00	16.30	5.17	15.67	5.34
	10	8	19.72	4.84	18.69	4.98	17.85	5.15	17.11	5.32	16.46	5.50
H	-10	-11	11.98	4.39	11.35	4.52	10.84	4.67	10.40	4.83	10.00	4.99
	-5	-5.6	12.61	4.27	11.95	4.39	11.41	4.54	10.94	4.69	10.52	4.85
	0	-0.7	13.70	4.33	12.99	4.45	12.41	4.61	11.89	4.76	11.44	4.92
	7	6	18.27	4.68	17.32	4.81	16.54	4.98	15.86	5.14	15.25	5.31
	10	8	19.18	4.82	18.19	4.95	17.37	5.12	16.65	5.30	16.01	5.47
M	-10	-11	11.59	4.46	10.99	4.58	10.50	4.75	10.06	4.90	9.68	5.07
	-5	-5.6	12.20	4.33	11.57	4.45	11.05	4.61	10.59	4.76	10.19	4.92
	0	-0.7	13.26	4.39	12.57	4.52	12.01	4.68	11.51	4.83	11.07	4.99
	7	6	17.69	4.75	16.77	4.88	16.01	5.05	15.35	5.22	14.76	5.39
	10	8	18.57	4.89	17.60	5.03	16.81	5.20	16.12	5.38	15.50	5.56

Symbols:
DB: Dry bulb temperature
WB: Wet bulb temperature
TC: Total cooling(heating) capacity
PI: Power input (compressor + indoor fan motor + outdoor fan motor)

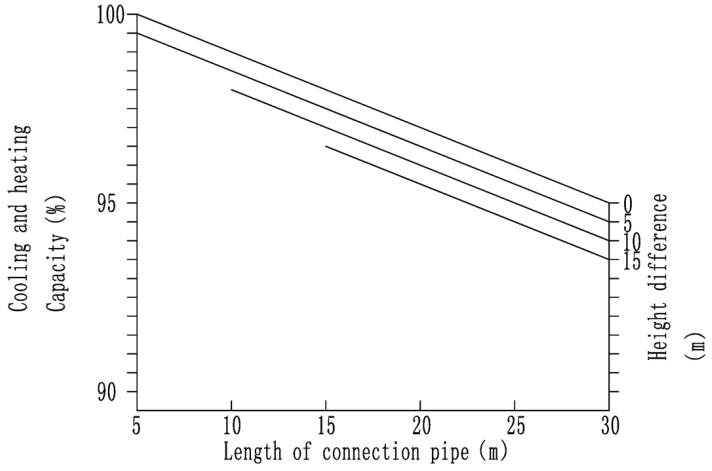
1. The above data are based on the following conditions.

—	Power Supply	Equivalent Piping Length
Indoor	220-240V ~50/60Hz	Standard Piping Length

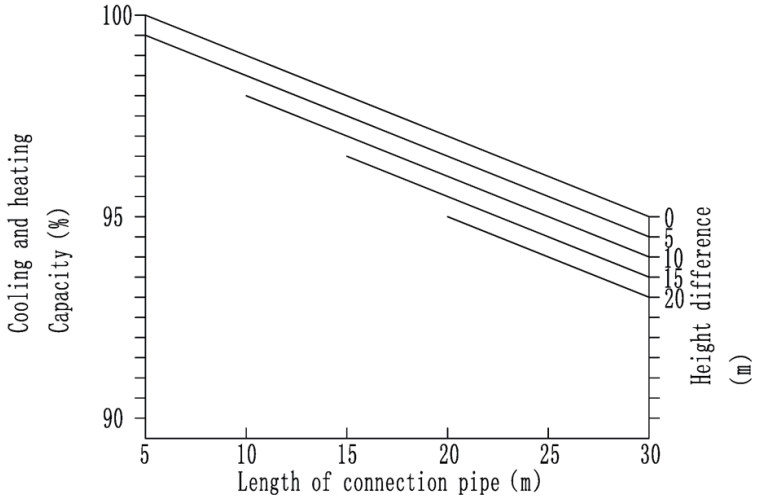
2. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

6.2 Pipe Length Drop Capacity Correction

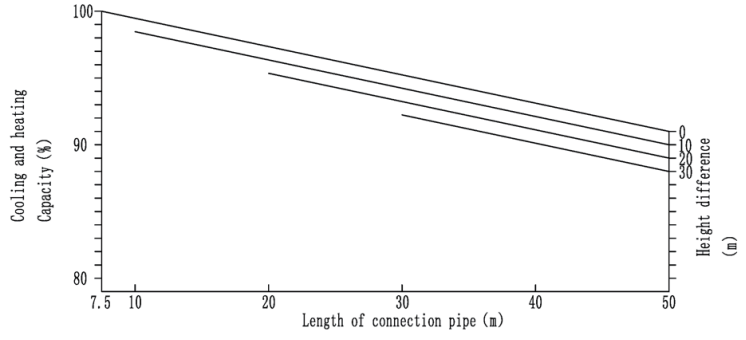
GUD18PH1/A-S(E), GUD18PHS1/A-S(E), GUD18T1/A-S(E)
GUD24PH1/A-S(E), GUD24PHS1/A-S(E), GUD24T1/A-S(E)



GUD36PH1/A-S(E), GUD36PHS1/A-S(E), GUD36T1/A-S(E), GUD36ZD1/A-S(E)



GUD48PH1/A-S(E), GUD48PHS1/A-S(E), GUD48T1/A-S(E), GUD48ZD1/A-S(E)
GUD60PH1/A-S(E), GUD60PHS1/A-S(E), GUD60T1/A-S(E), GUD60ZD1/A-S(E)



Symbols:
L：Length of connection pipe
Hn：Vertical rise (ODU below IDU)
Hm：Vertical drop (ODU above IDU)
α：Capacity correction factor

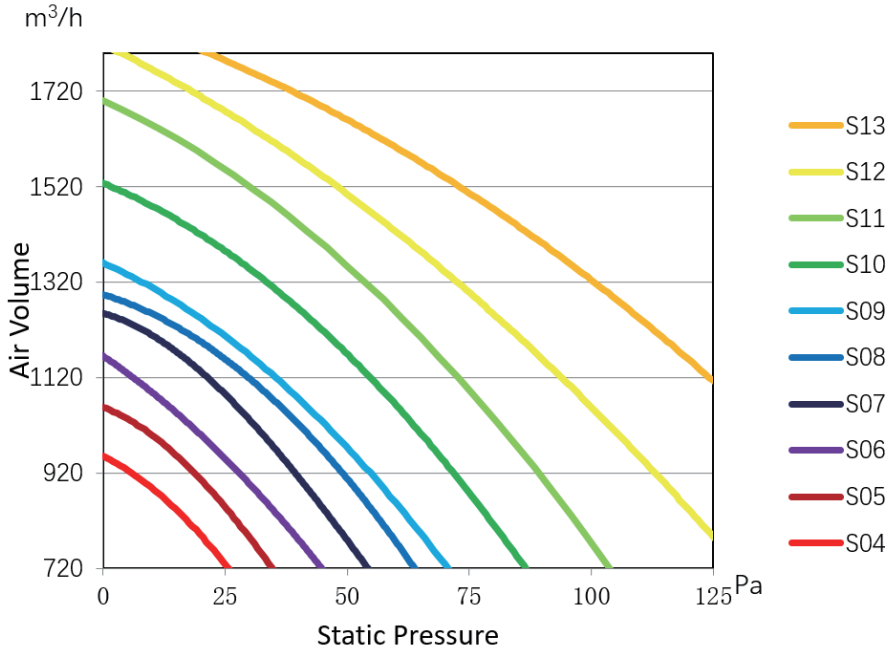
Notes:
1. Above figures indicate the capacity change rate of a standard indoor unit system under maximum load in standard conditions.
2. Under partial load, the capacity change rate indicated above will have a very small deviation.
3. Capacity calculation method for cooling/heating

Model	Gas pipe (Inch)	Liquid pipe (Inch)
GUD18PH1/A-S(E) GUD18PHS1/A-S(E) GUD18T1/A-S(E)	Φ3/8	Φ5/8
GUD24PH1/A-S(E) GUD24PHS1/A-S(E) GUD24T1/A-S(E)		
GUD36PH1/A-S(E) GUD36PHS1/A-S(E) GUD36T1/A-S(E) GUD36ZD1/A-S(E)		
GUD48PH1/A-S(E) GUD48PHS1/A-S(E) GUD48T1/A-S(E) GUD48ZD1/A-S(E)		
GUD60PH1/A-S(E) GUD60PHS1/A-S(E) GUD60T1/A-S(E) GUD60ZD1/A-S(E)		

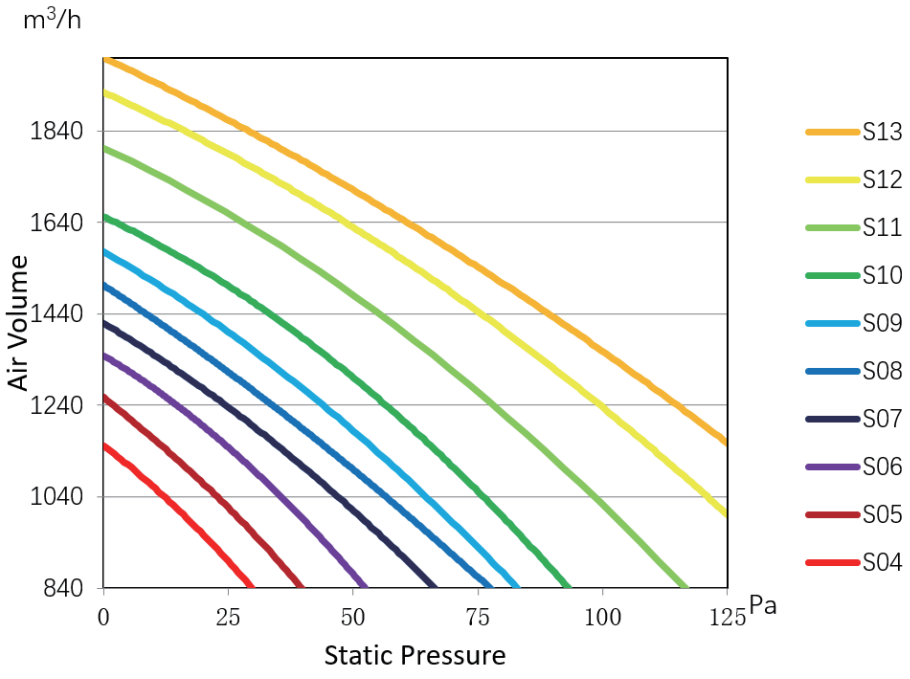
7 AIR VOLUME STATIC PRESSURE CURVE

7.1 High Static Pressure Duct Type

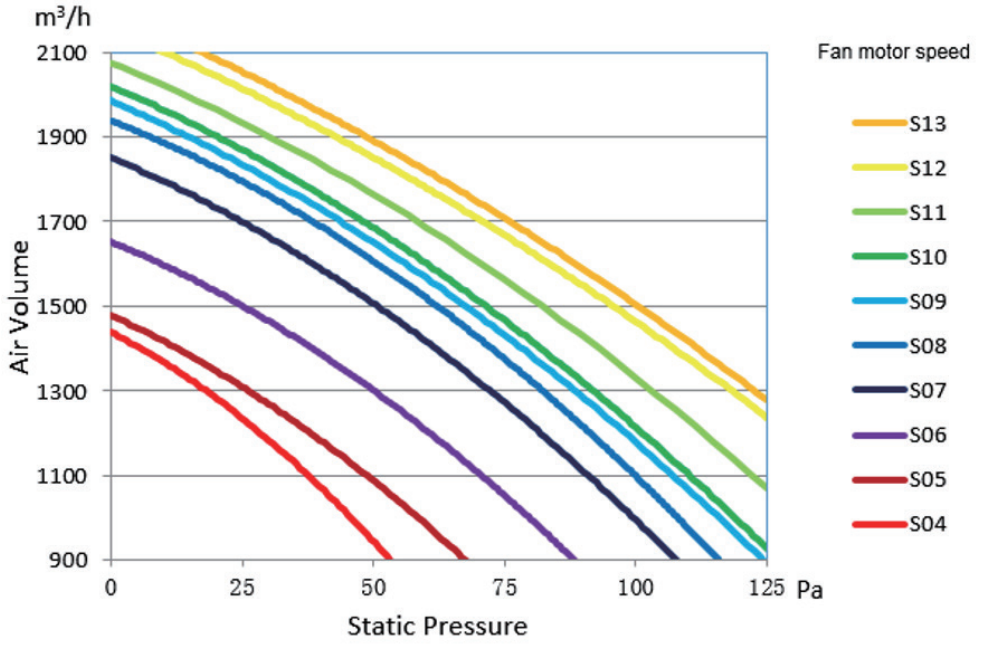
GUD18PH1/A-S(E), GUD18PHS1/A-S(E)



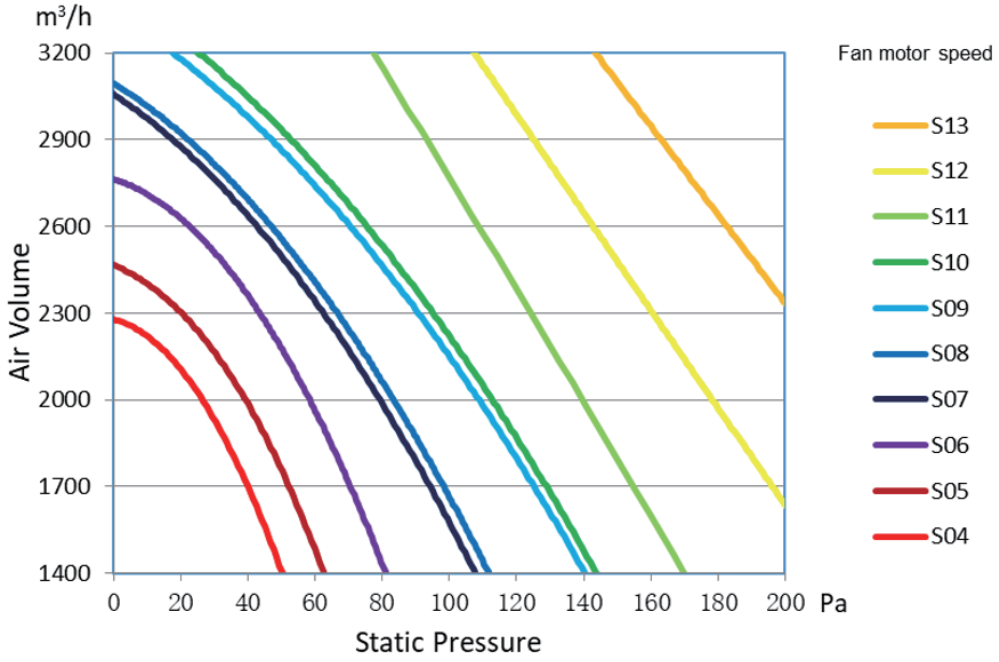
GUD24PH1/A-S(E), GUD24PHS1/A-S(E)



GUD36PH1/A-S(E), GUD36PHS1/A-S(E)



GUD48PH1/A-S(E), GUD48PHS1/A-S(E)
GUD60PH1/A-S(E), GUD60PHS1/A-S(E)



Notes:

1. The external static pressure (ESP) can be changed in 9 levels by the remote controller.
2. The default ESP mode setting is P05 which is the rated ESP.
3. The remote controller can be used to change turbo, H, M and L.

Static pressure selection	Super high speed	High speed	Medium speed	Low speed
P01	S05	S03	S02	S01
P02	S06	S04	S03	S02
P03	S07	S05	S04	S03
P04	S08	S06	S05	S04
P05	S09	S07	S06	S05
P06	S10	S08	S07	S06
P07	S11	S09	S08	S07
P08	S12	S10	S09	S08
P09	S13	S11	S10	S09

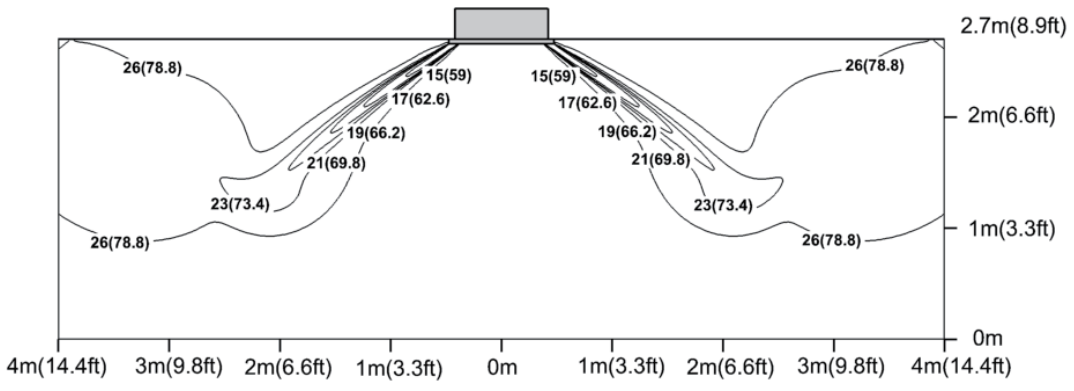
—	18K	24K	36K	48K	60K
P01	0Pa	0Pa	0Pa	0Pa	0Pa
P02	10Pa	10Pa	10Pa	10Pa	10Pa
P03	15Pa	15Pa	15Pa	25Pa	25Pa
P04	20Pa	20Pa	20Pa	37Pa	37Pa
P05	25Pa	25Pa	37Pa	50Pa	50Pa
P06	50Pa	50Pa	50Pa	75Pa	75Pa
P07	75Pa	75Pa	75Pa	100Pa	100Pa
P08	100Pa	100Pa	100Pa	150Pa	150Pa
P09	125Pa	125Pa	125Pa	200Pa	200Pa

8 AIRFLOW CHART

8.1 Cassette Type

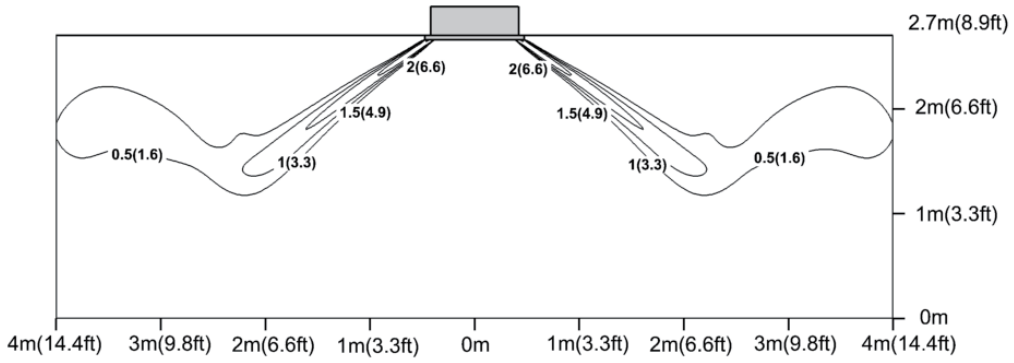
GUD18T1/A-S(E), GUD24T1/A-S(E)
Cooling temperature

Unit: ˚C (˚F)



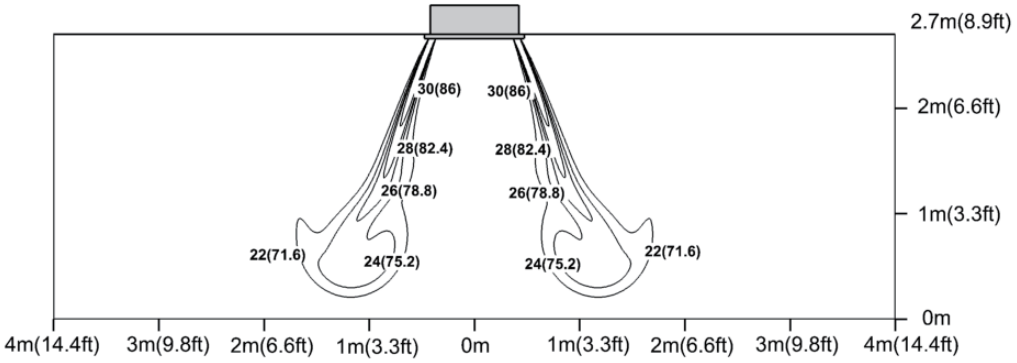
Cooling air velocity

Unit: m/s(ft/s)



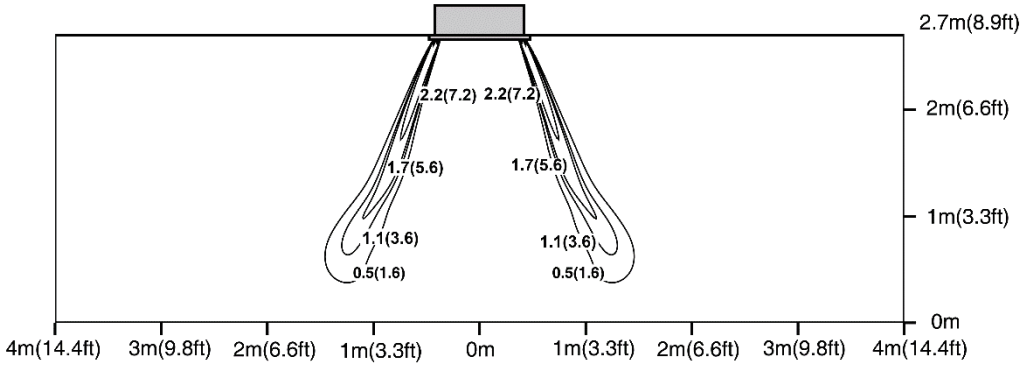
Heating temperature

Unit: ℃ (℉)



Heating air velocity

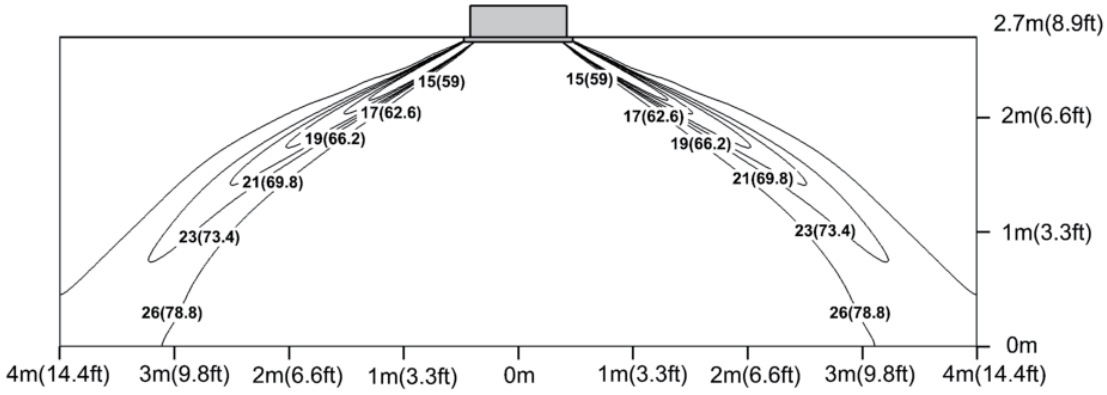
Unit: m/s(ft/s)



GUD36T1/A-S(E)

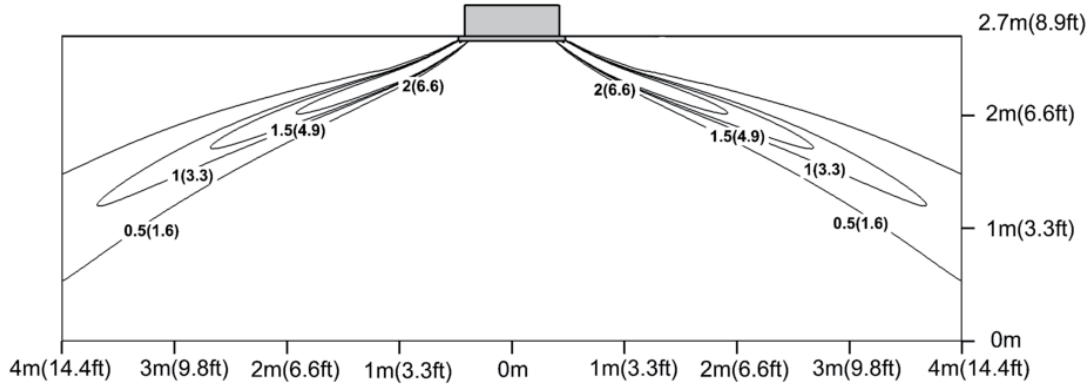
Cooling temperature

Unit: ℃ (℉)



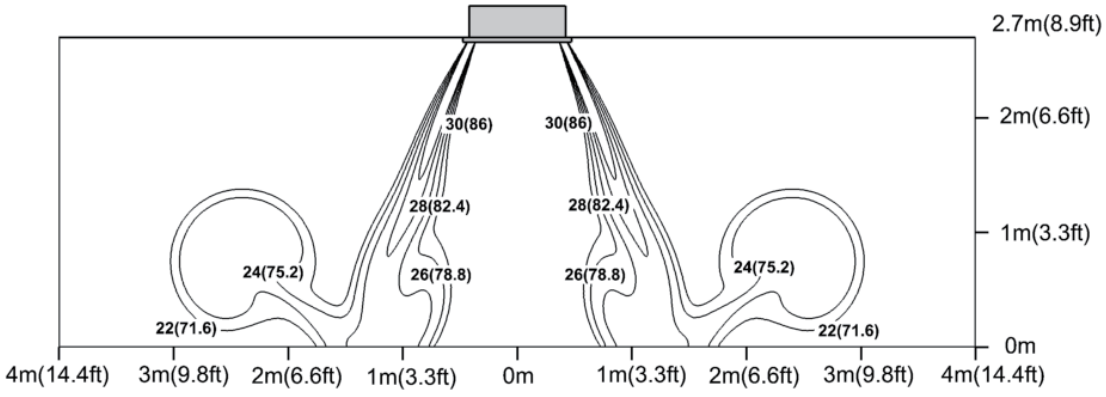
Cooling air velocity

Unit: m/s(ft/s)



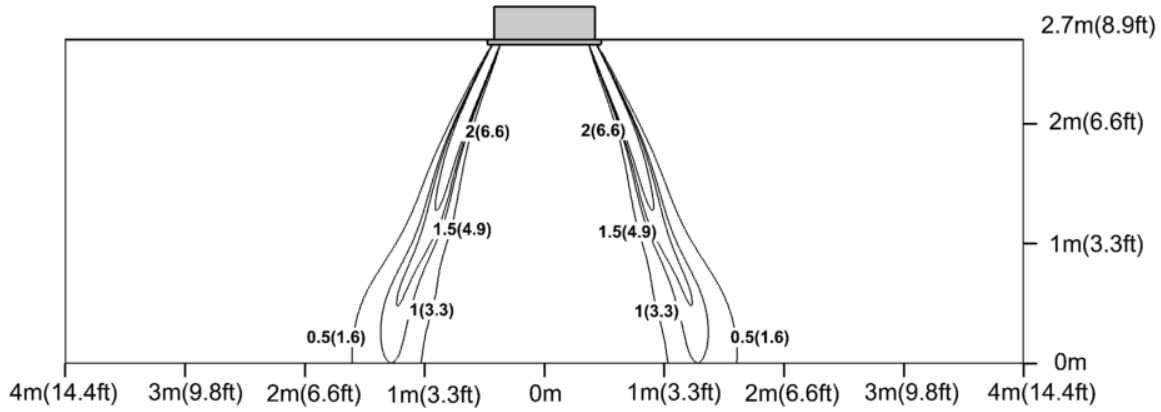
Heating temperature

Unit: ℃ (℉)



Heating air velocity

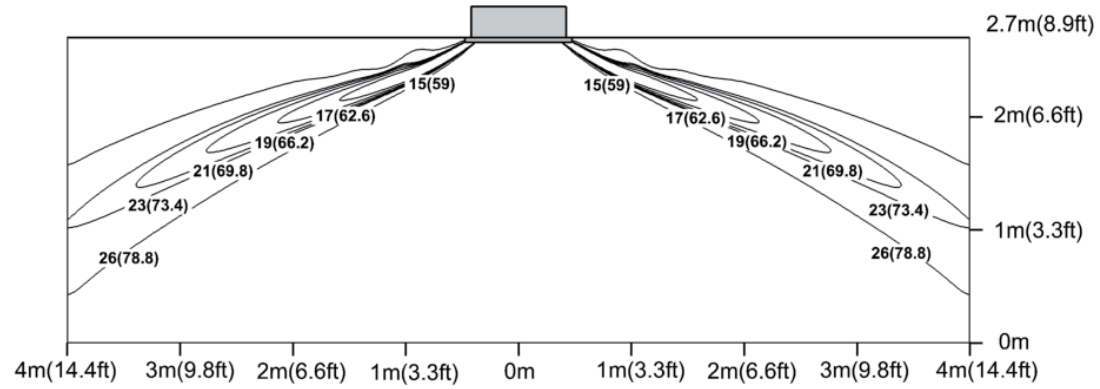
Unit: m/s(ft/s)



GUD48T1/A-S(E), GUD60T1/A-S(E)

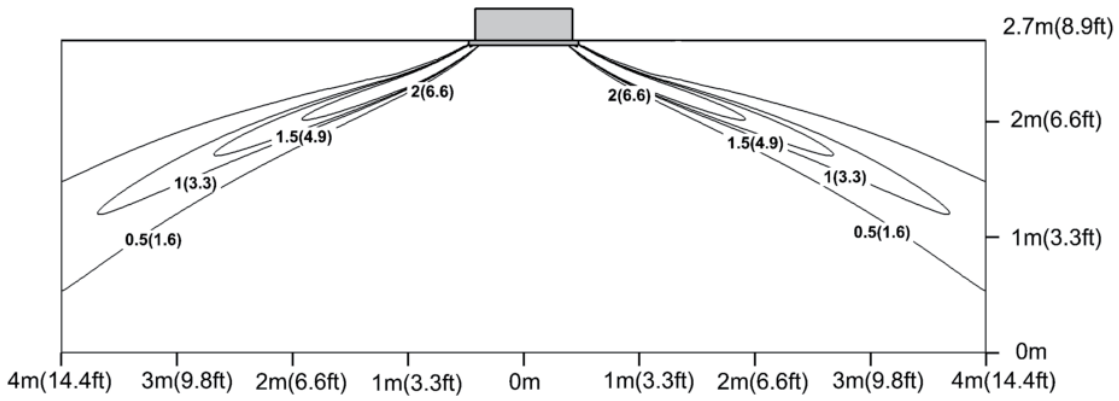
Cooling temperature

Unit: ˚C (˚F)



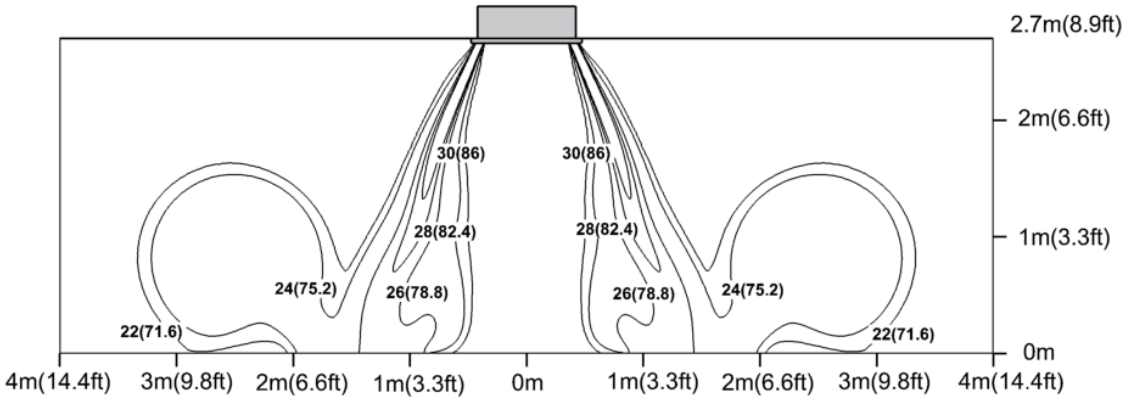
Cooling air velocity

Unit: m/s(ft/s)



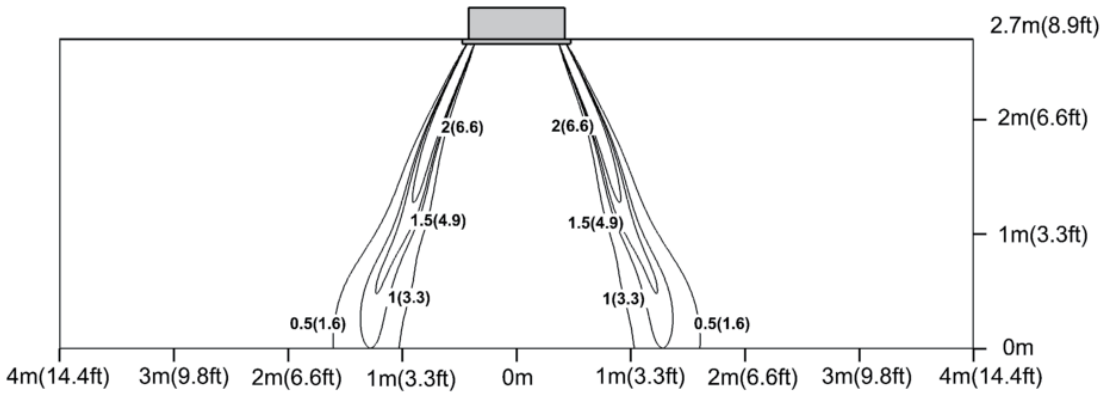
Heating temperature

Unit: ℃ (℉)



Heating air velocity

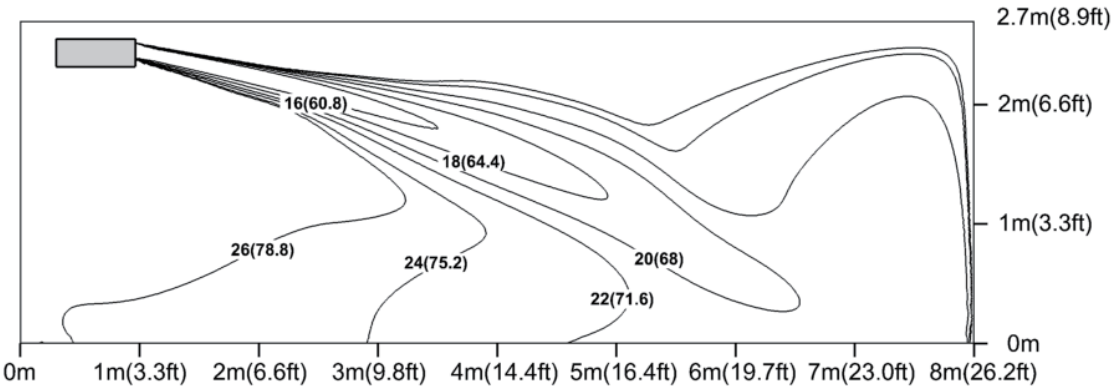
Unit: m/s(ft/s)



8.2 Floor Ceiling Type

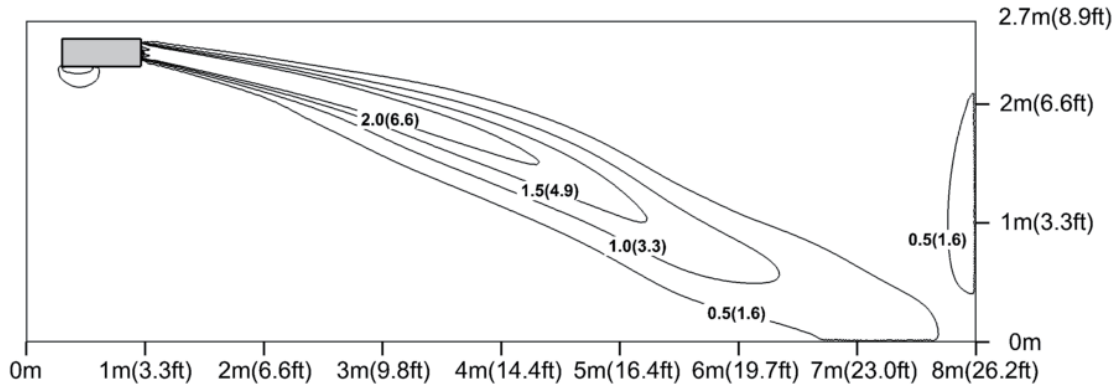
GUD36ZD1/A-S(E)
Cooling temperature

Unit: ℃ (℉)



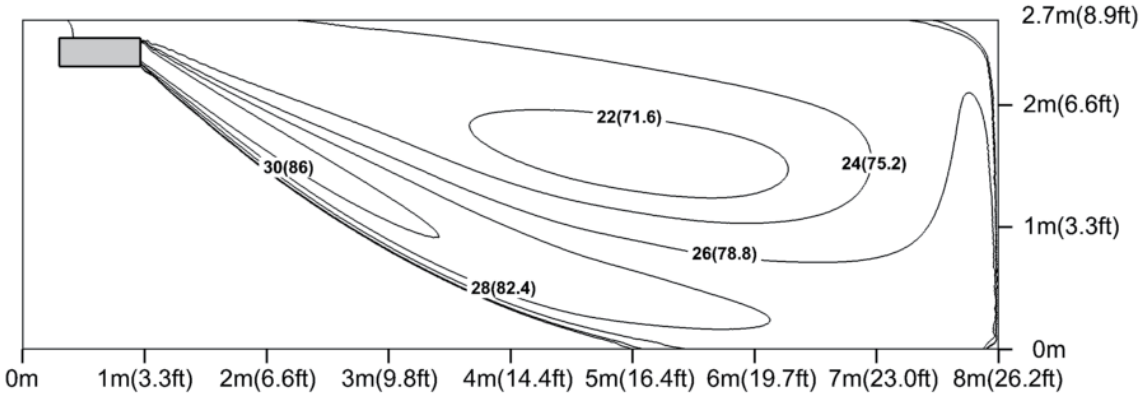
Cooling air velocity

Unit: m/s(ft/s)



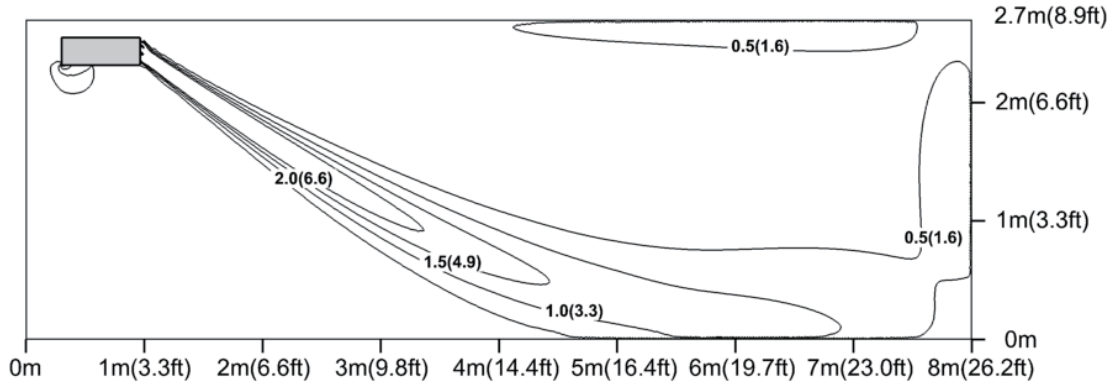
Heating temperature

Unit: ℃ (℉)



Heating air velocity

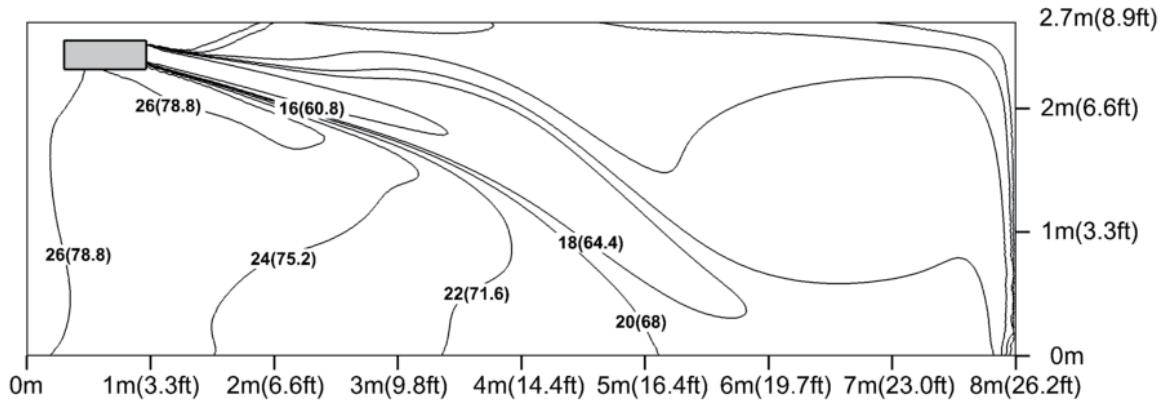
Unit: m/s(ft/s)



GUD48ZD1/A-S(E), GUD60ZD1/A-S(E)

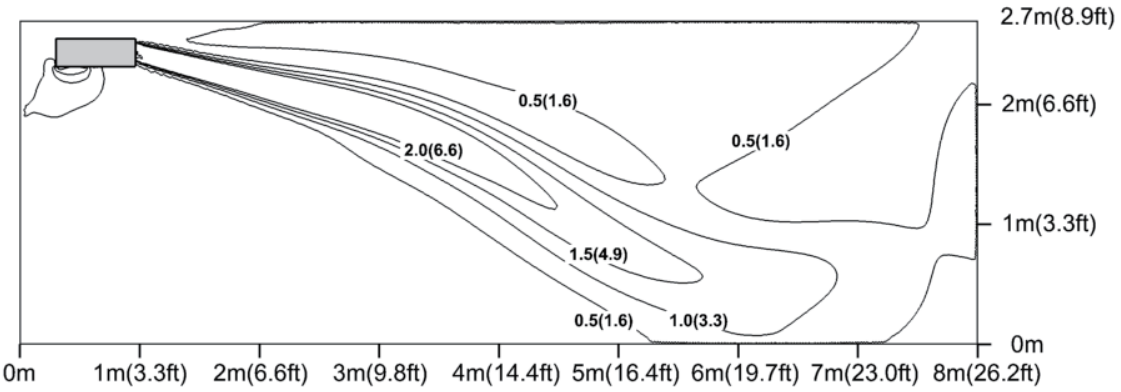
Cooling temperature

Unit: ℃ (℉)



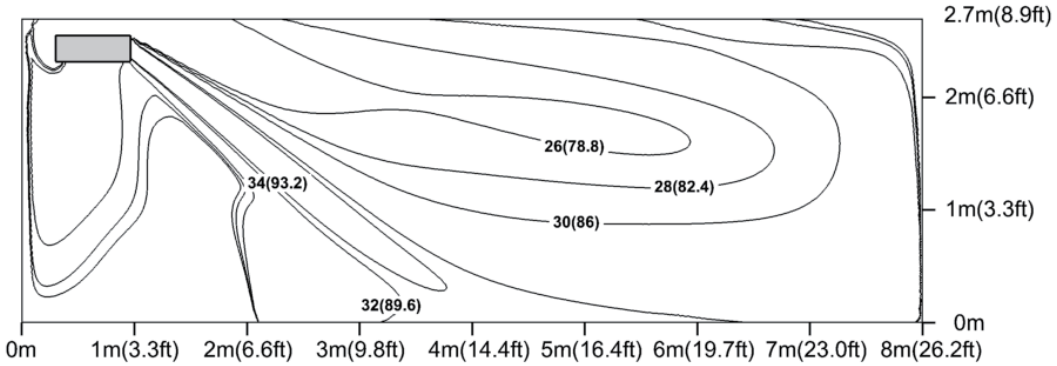
Cooling air velocity

Unit: m/s(ft/s)



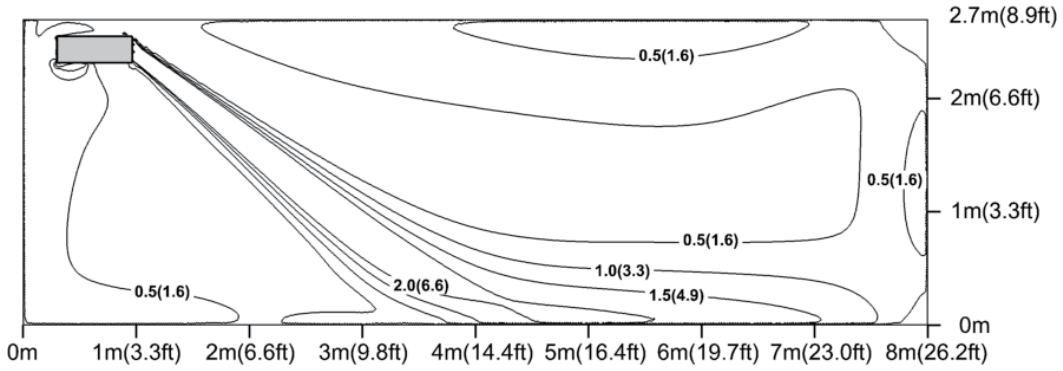
Heating temperature

Unit: ℃ (℉)



Heating air velocity

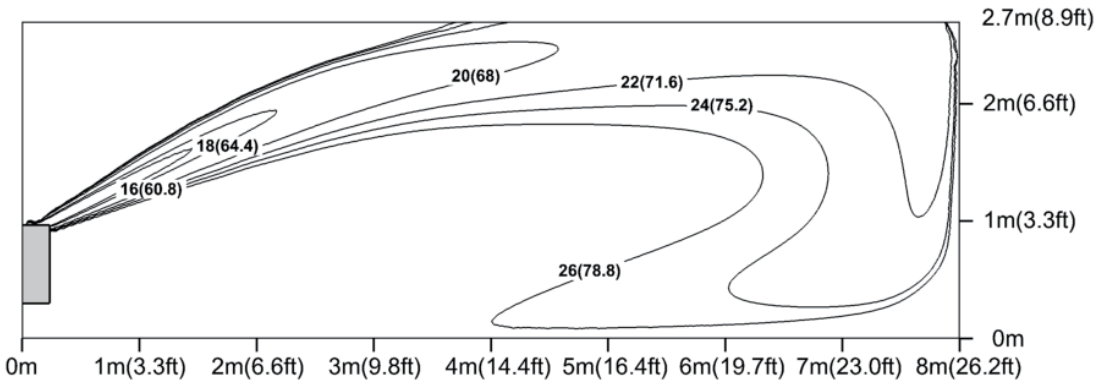
Unit: m/s(ft/s)



GUD36ZD1/A-S(E)

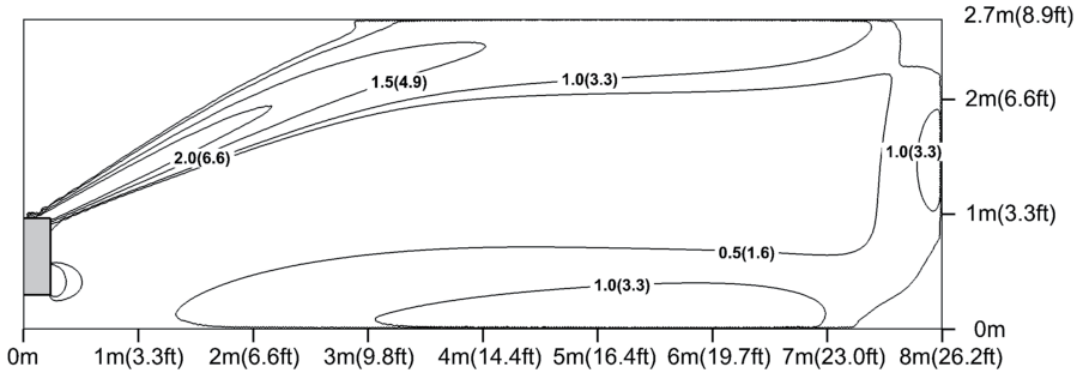
Cooling temperature

Unit: ℃ (℉)



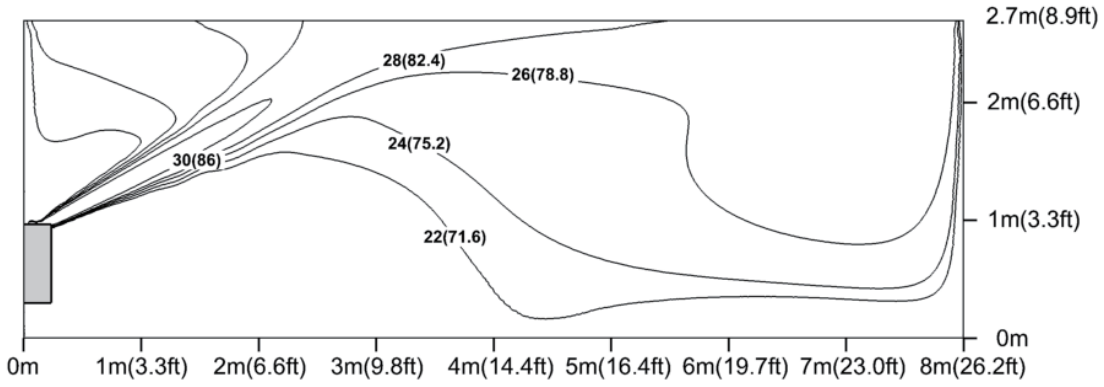
Cooling air velocity

Unit: m/s(ft/s)



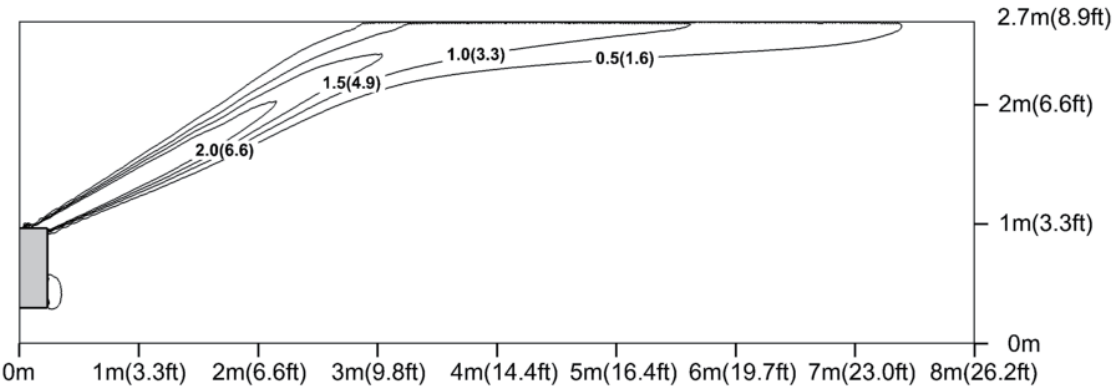
Heating temperature

Unit: ℃ (℉)



Heating air velocity

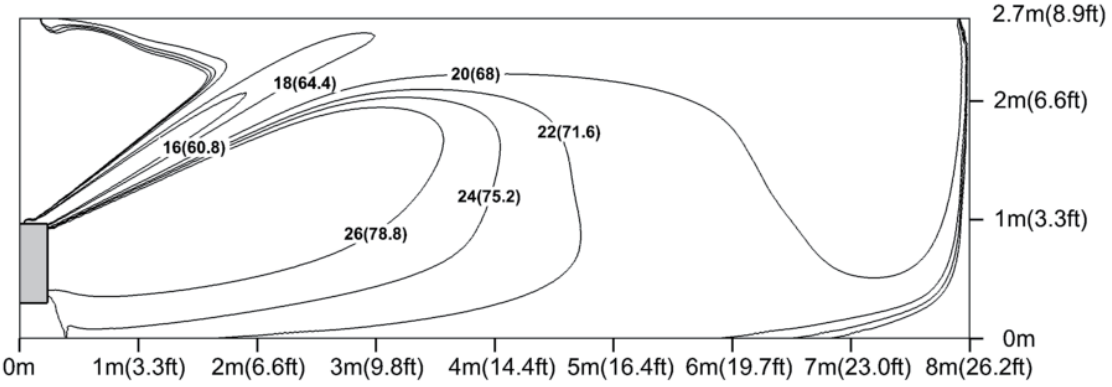
Unit: m/s(ft/s)



GUD48ZD1/A-S(E), GUD60ZD1/A-S(E)

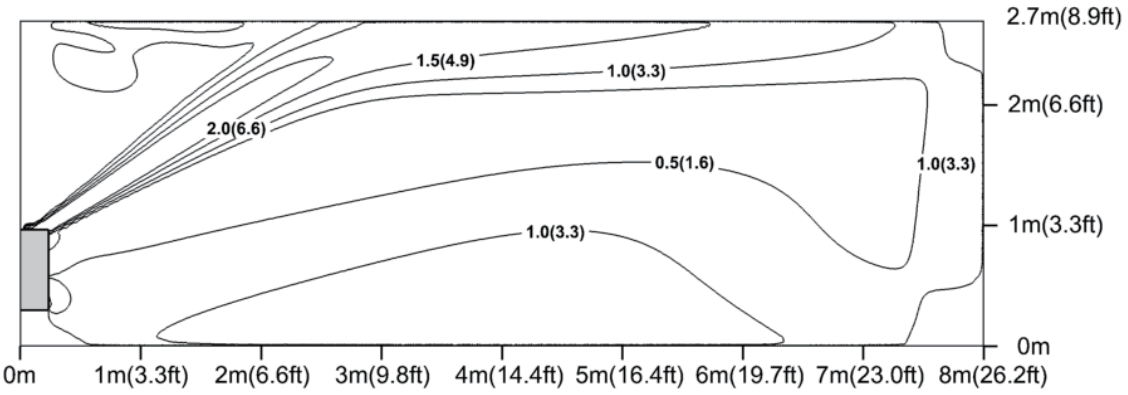
Cooling temperature

Unit: ℃ (℉)



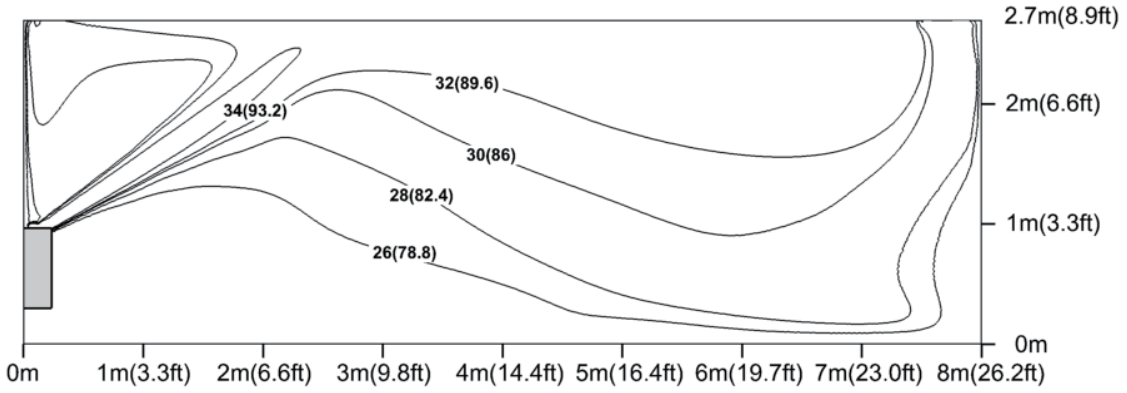
Cooling air velocity

Unit: m/s(ft/s)



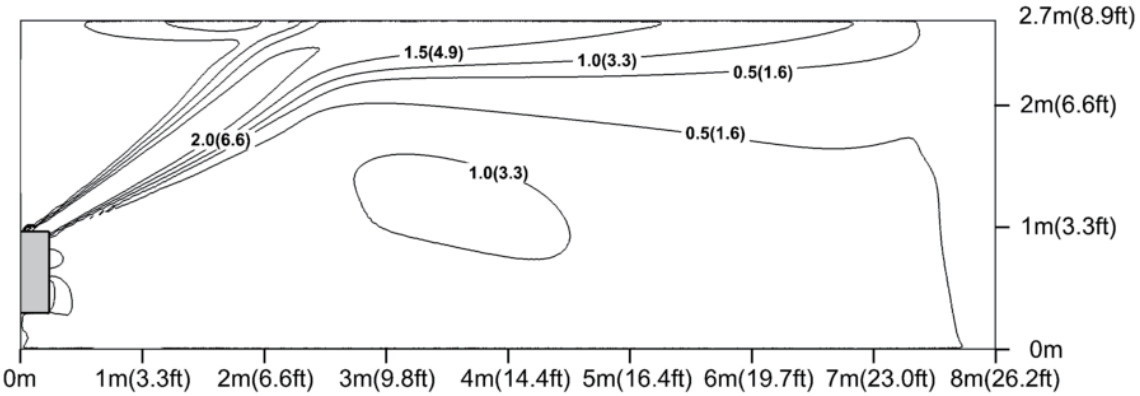
Heating temperature

Unit: ℃ (℉)



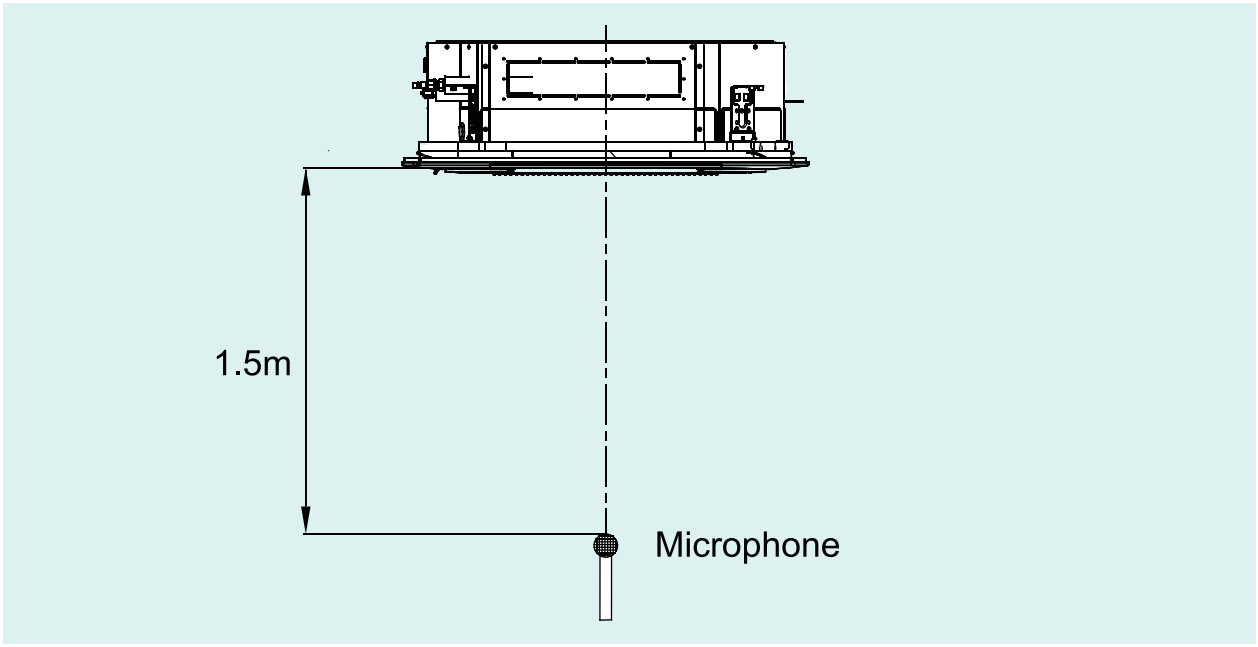
Heating air velocity

Unit: m/s(ft/s)



9 NOISE

9.1 Cassette Type

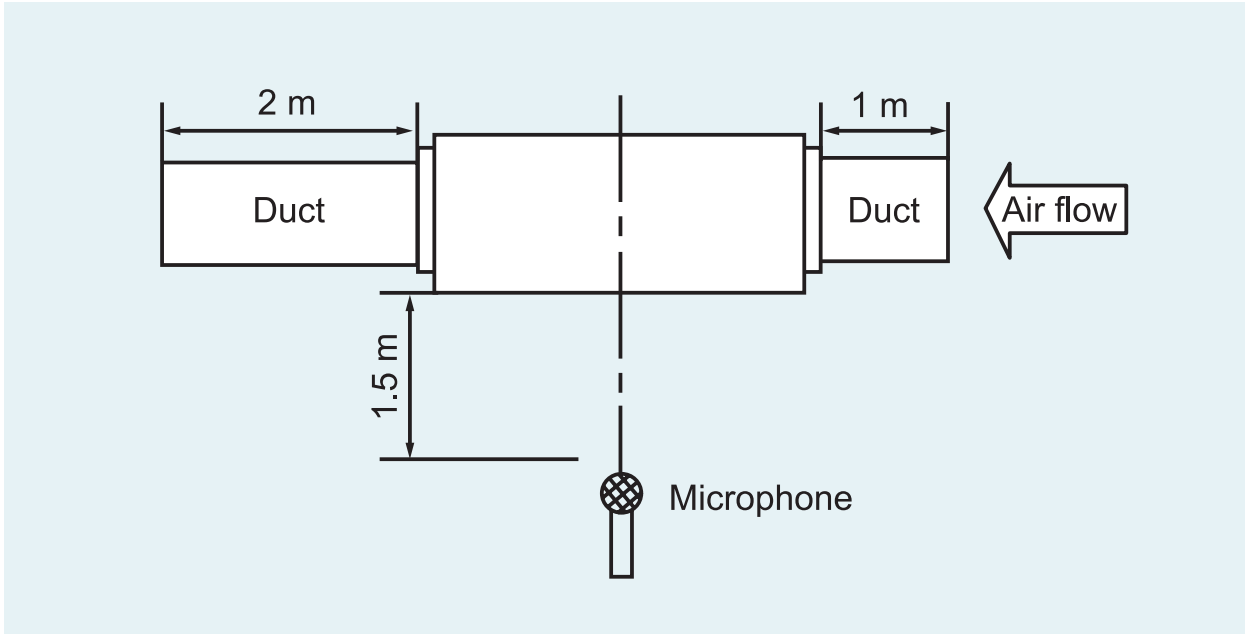


Model	Turbo dB(A)	H dB(A)	M dB(A)	L dB(A)
GUD18T1/A-S(E)	42	41	40	37
GUD24T1/A-S(E)	48	46	42	39
GUD36T1/A-S(E)	49	47	43	40
GUD48T1/A-S(E)	53	51	48	44
GUD60T1/A-S(E)	53	51	48	44

Notes:

1. Above data was measured under standard conditions. Power specification: 220-240V ~50/60Hz.
2. Above data was measured in a semi-anechoic room.
3. Decibels will be varied with the change of external factors, for instance, the room structure. Please refer to the actual measurement.

9.2 Duct Type

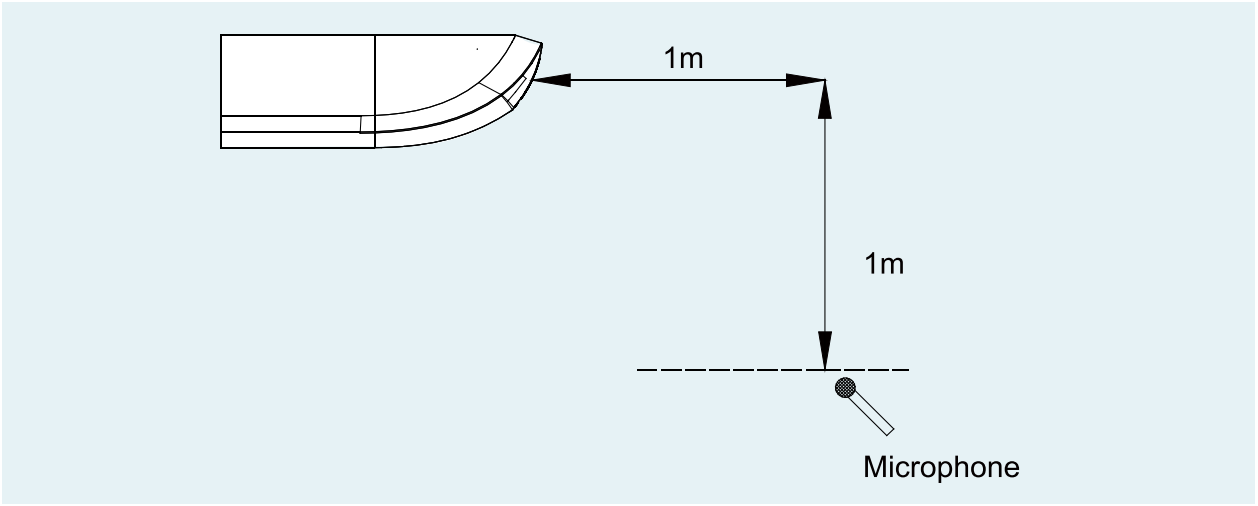


Model	Turbo dB(A)	H dB(A)	M dB(A)	L dB(A)
GUD18PH1/A-S(E) GUD18PHS1/A-S(E)	40	39	37	35
GUD24PH1/A-S(E) GUD24PHS1/A-S(E)	45	42	40	37
GUD36PH1/A-S(E) GUD36PHS1/A-S(E)	46	45	43	41
GUD48PH1/A-S(E) GUD48PHS1/A-S(E)	48	45	44	41
GUD60PH1/A-S(E) GUD60PHS1/A-S(E)	48	45	44	41

Notes:

1. Above data was measured under standard conditions. Power specification: 220-240V ~50/60Hz.
2. Above data was measured in a semi-anechoic room.
3. Decibels will be varied with the change of external factors, for instance, the room structure. Please refer to the actual measurement.

9.3 Floor Ceiling Type

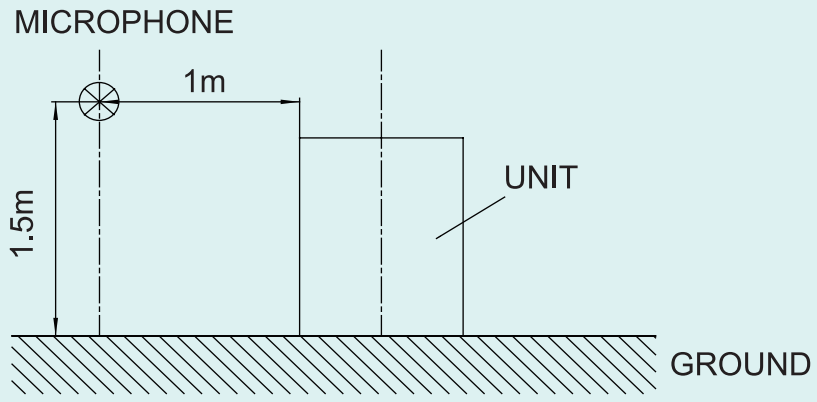


Model	Turbo dB(A)	H dB(A)	M dB(A)	L dB(A)
GUD36ZD1/A-S(E)	50	47	45	43
GUD48ZD1/A-S(E)	52	49	47	44
GUD60ZD1/A-S(E)	52	49	47	44

Notes:

1. Above data was measured under standard conditions. Power specification: 220-240V ~50/60Hz.
2. Above data was measured in a semi-anechoic room.
3. Decibels will be varied with the change of external factors, for instance, the room structure. Please refer to the actual measurement.

9.4 Outdoor Unit



Model	Sound pressure level dB(A)	Power supply (V,Ph,Hz)
GUTD18W1/A-S(E)	56	220-240V ~50/60Hz
GUTD24W1/A-S(E)	57	
GUTD36W1/A-S(E)	58	
GUTD48W1/A-S(E)	60	
GUTD60W1/A-S(E)	61	

Notes:

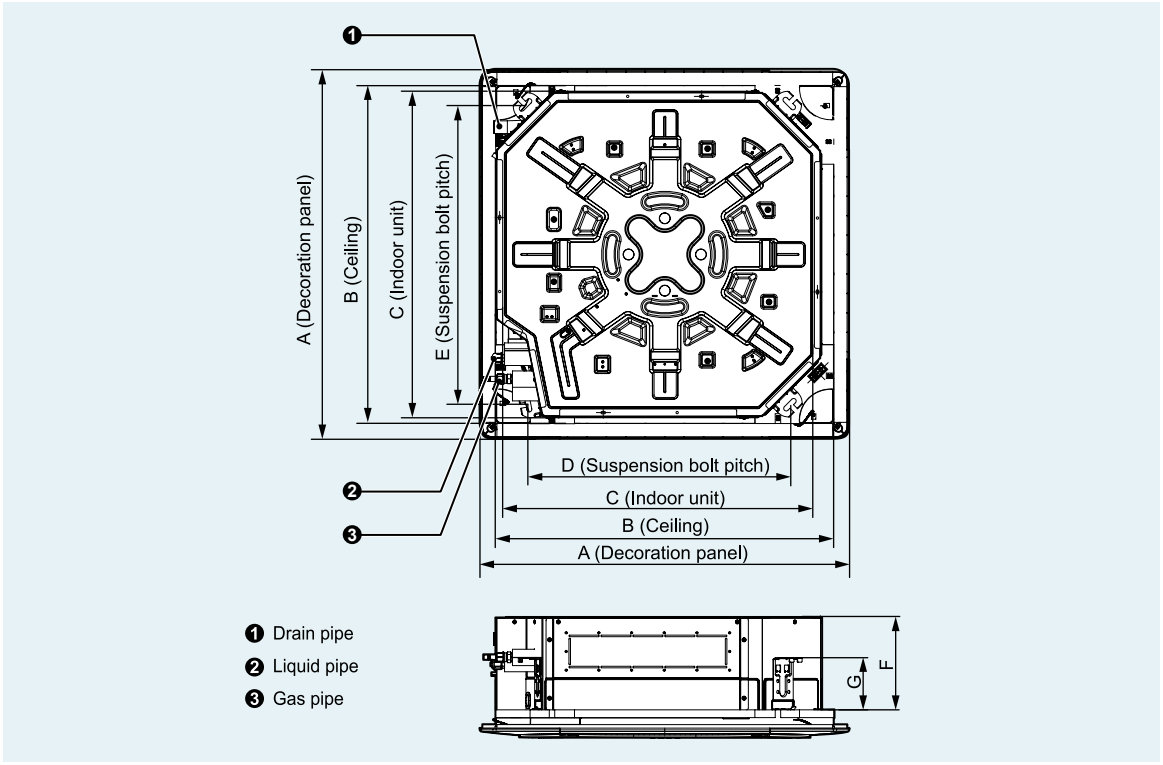
1. Above data was measured under standard conditions.
2. Above data was measured in a semi-anechoic room.
3. Decibels will be varied with the change of external factors, for instance, the room structure. Please refer to the actual measurement.

10 DIMENSIONS AND INSTALLATION SITE

10.1 Cassette Type

10.1.1 Dimensions

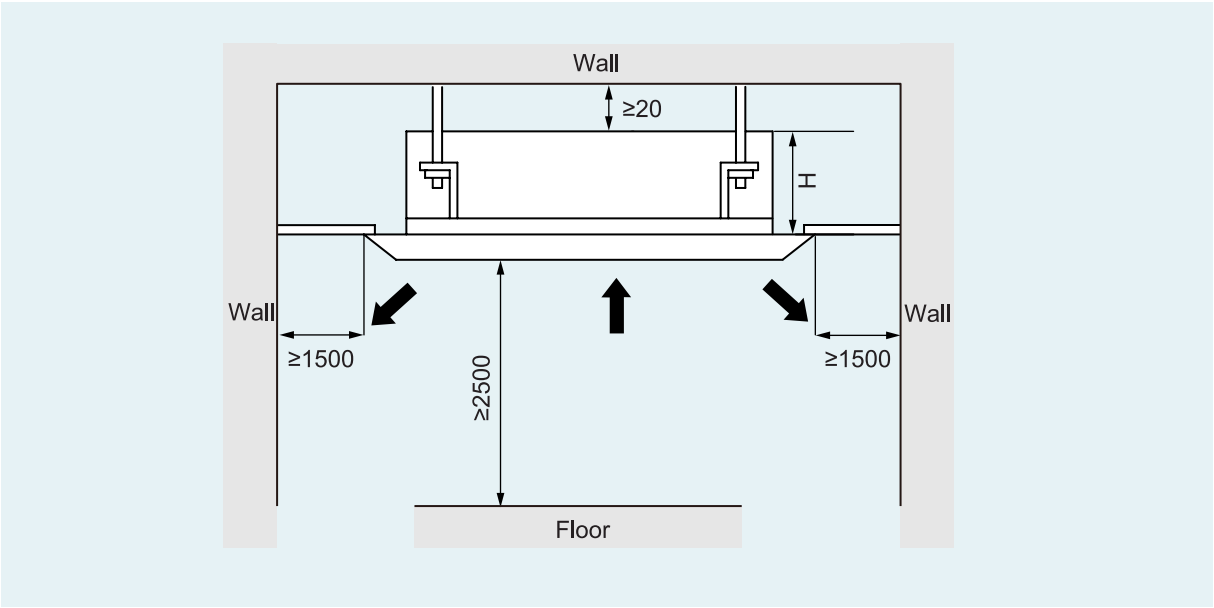
GUD18T1/A-S(E); GUD24T1/A-S(E); GUD36T1/A-S(E); GUD48T1/A-S(E); GUD60T1/A-S(E)



Unit: mm

Dimensions / Model	A	B	C	D	E	F	G
GUD18T1/A-S(E)	950	890	840	680	780	200	135
GUD24T1/A-S(E)							
GUD36T1/A-S(E)	950	890	840	680	780	240	135
GUD48T1/A-S(E)	950	890	840	680	780	290	135
GUD60T1/A-S(E)							

10.1.2 Installation Location



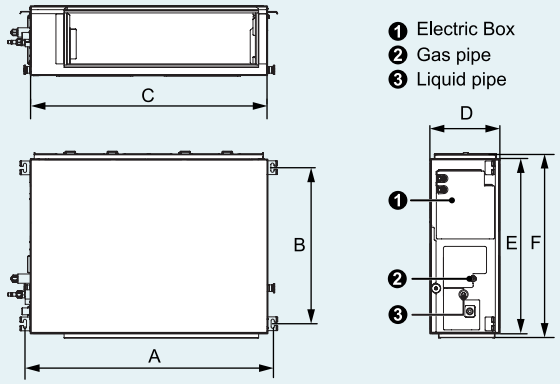
Unit: mm

Model	H(mm)
GUD18T1/A-S(E)	235
GUD24T1/A-S(E)	
GUD36T1/A-S(E)	275
GUD48T1/A-S(E)	325
GUD60T1/A-S(E)	

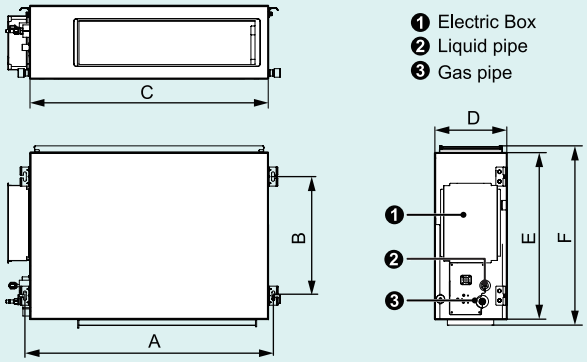
10.2 Duct Type

10.2.1 Dimensions

GUD18PH1/A-S(E), GUD18PHS1/A-S(E), GUD24PH1/A-S(E), GUD24PHS1/A-S(E), GUD36PH1/A-S(E), GUD36PHS1/A-S(E)



GUD48PH1/A-S(E), GUD48PHS1/A-S(E), GUD60PH1/A-S(E), GUD60PHS1/A-S(E)

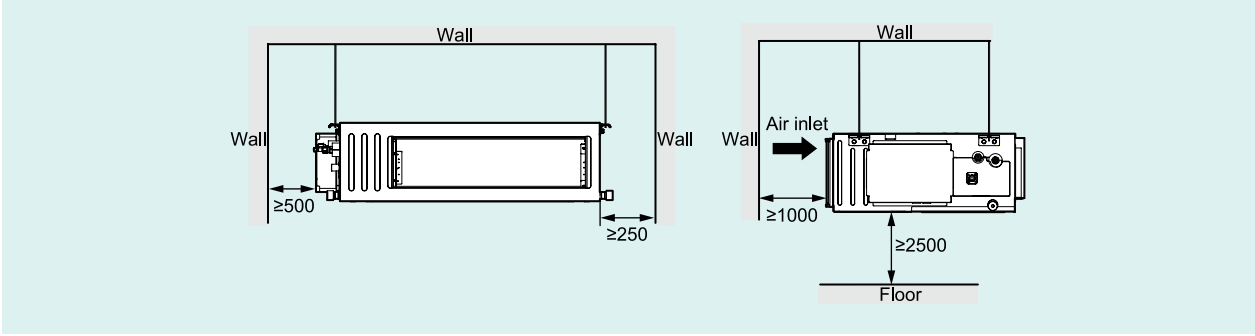


Unit: mm

Dimensions / Model	A	B	C	D	E	F
GUD18PH1/A-S(E)	942	590	900	260	655	692
GUD18PHS1/A-S(E)						
GUD24PH1/A-S(E)						
GUD24PHS1/A-S(E)						
GUD36PH1/A-S(E)						
GUD36PHS1/A-S(E)						
GUD48PH1/A-S(E)	1440	500	1400	300	700	754
GUD48PHS1/A-S(E)						
GUD60PH1/A-S(E)						
GUD60PHS1/A-S(E)						

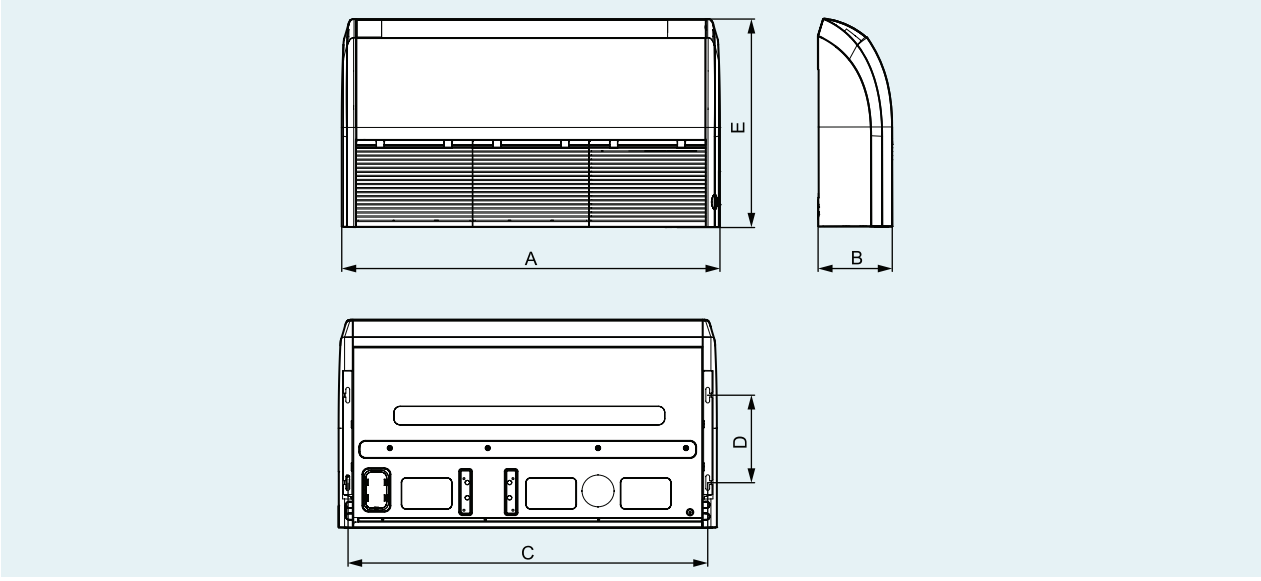
10.2.2 Installation Location

Unit: mm



10.3 Floor Ceiling Type

10.3.1 Dimensions

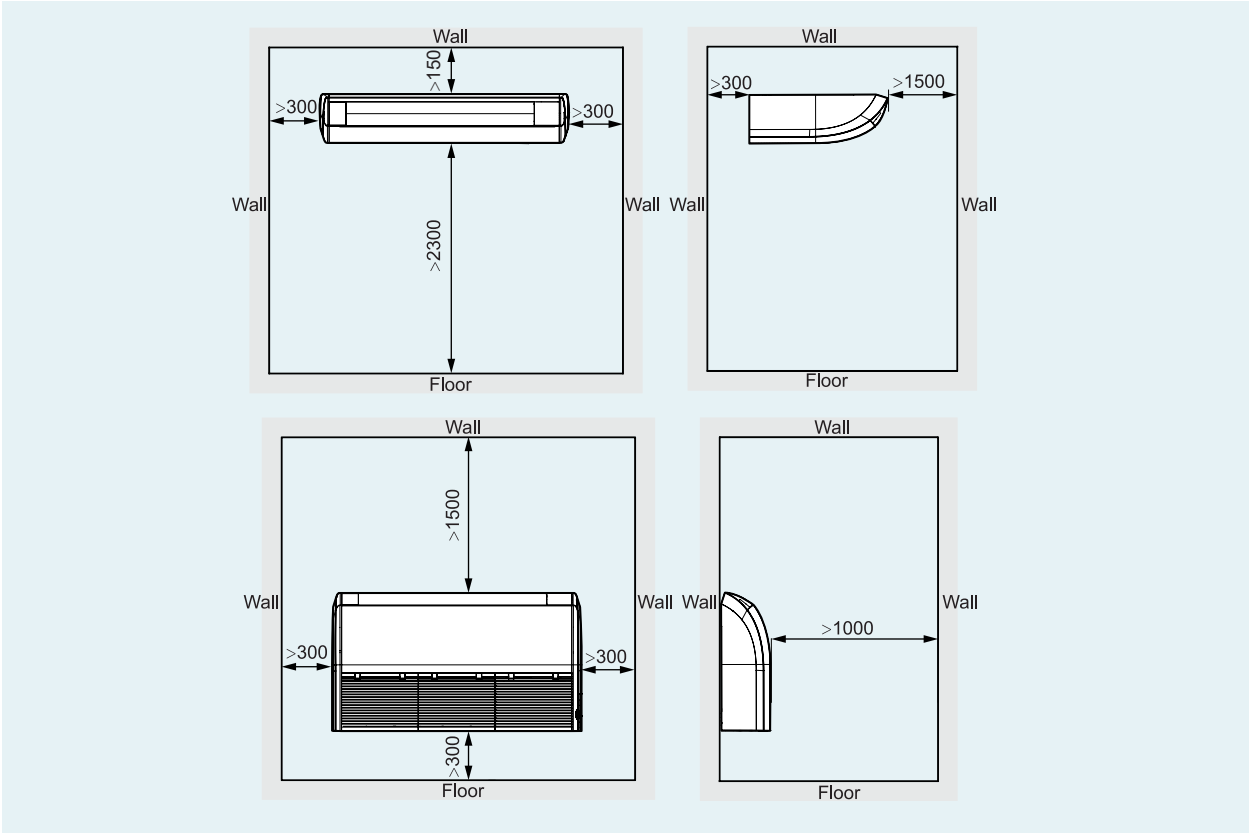


Unit：mm

Dimensions / Model	A	B	C	D	E
GUD36ZD1/A-S(E)	1200	235	1142	280	665
GUD48ZD1/A-S(E)	1570	235	1512	280	665
GUD60ZD1/A-S(E)	1570	235	1512	280	665

10.3.2 Installation Location

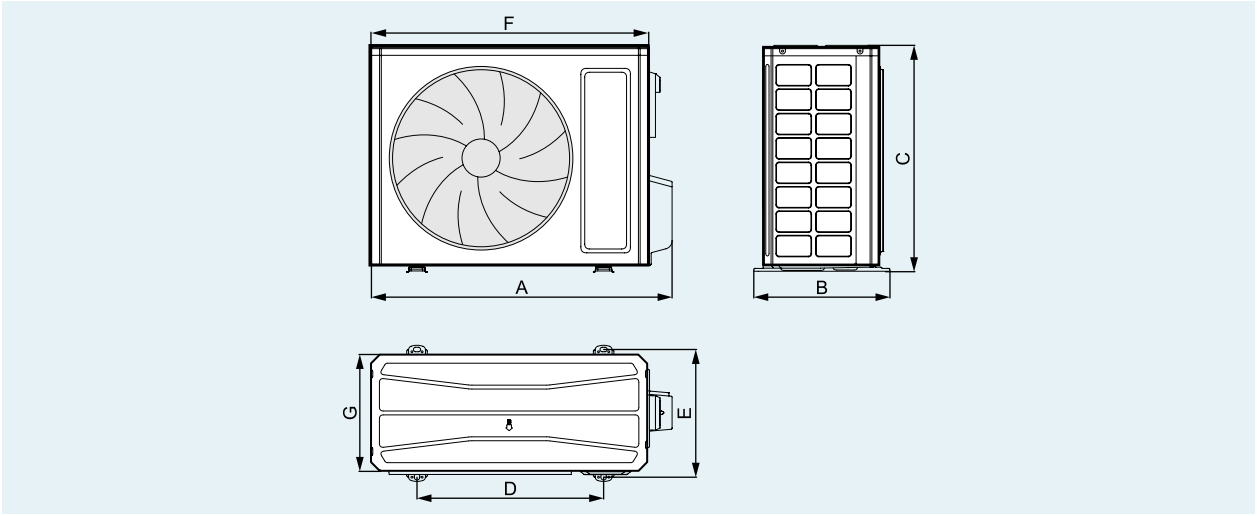
Unit：mm



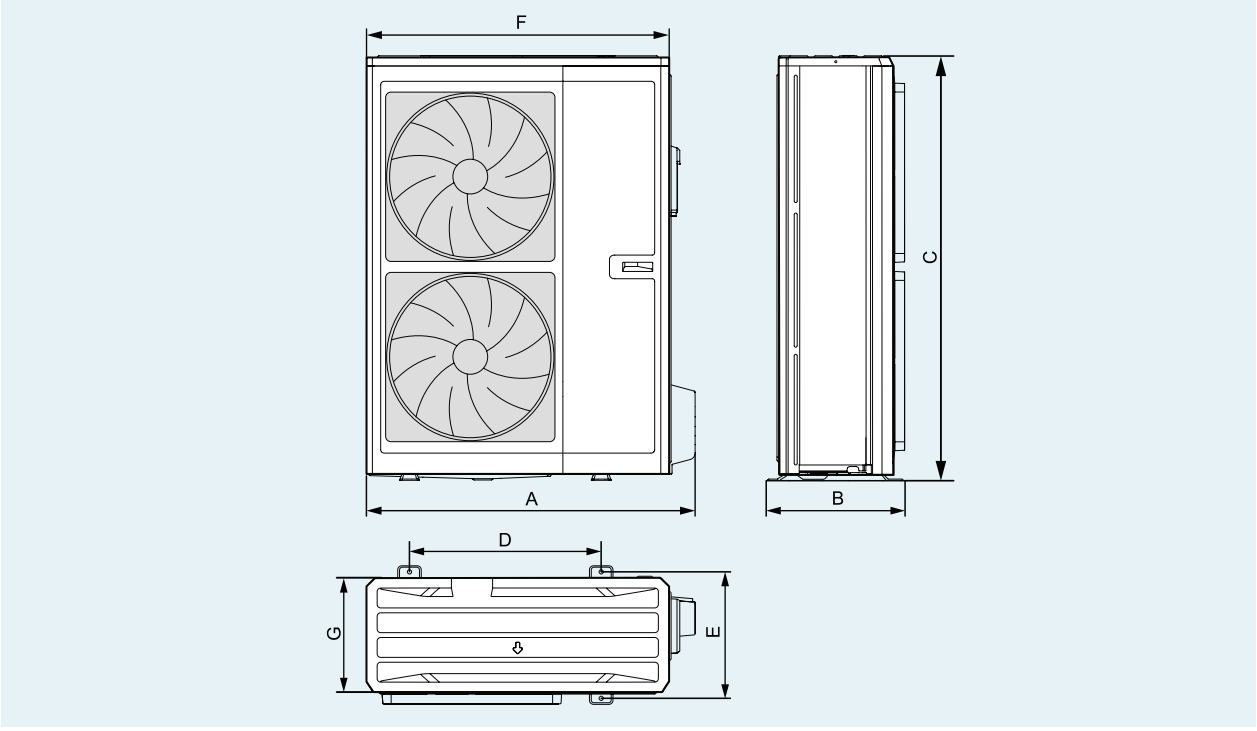
10.4 Outdoor Unit

10.4.1 Dimensions

GUTD18W1/A-S(E), GUTD24W1/A-S(E), GUTD36W1/A-S(E), GUTD48W1/A-S(E)



GUTD60W1/A-S(E)

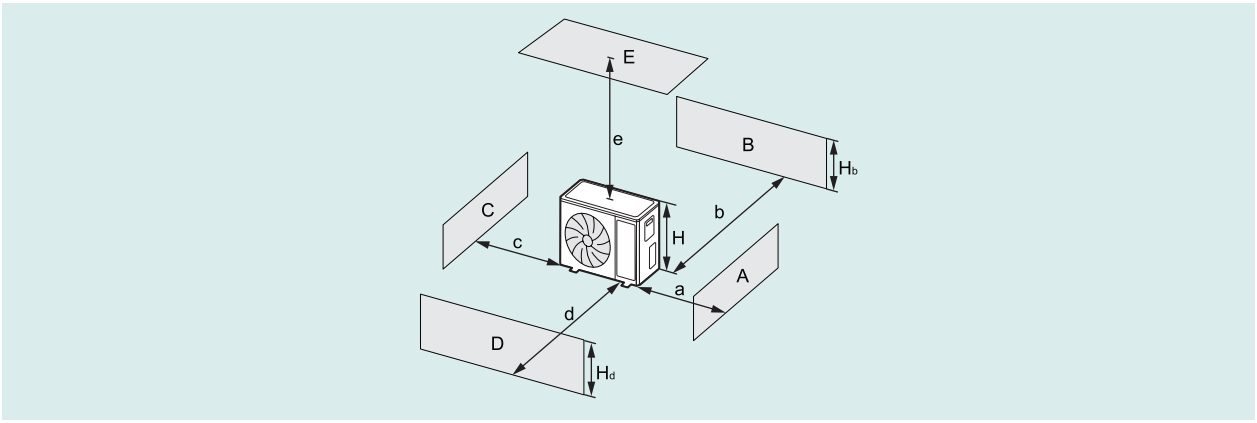


Unit: mm

Model \ Dimensions	A	B	C	D	E	F	G
GUTD18W1/A-S(E)	958	402	660	570	371	889	340
GUTD24W1/A-S(E)							
GUTD36W1/A-S(E)	1000	427	746	610	396	920	370
GUTD48W1/A-S(E)	1020	427	820	635	396	940	370
GUTD60W1/A-S(E)	978	412	1260	570	378	900	340

10.4.2 Installation Location

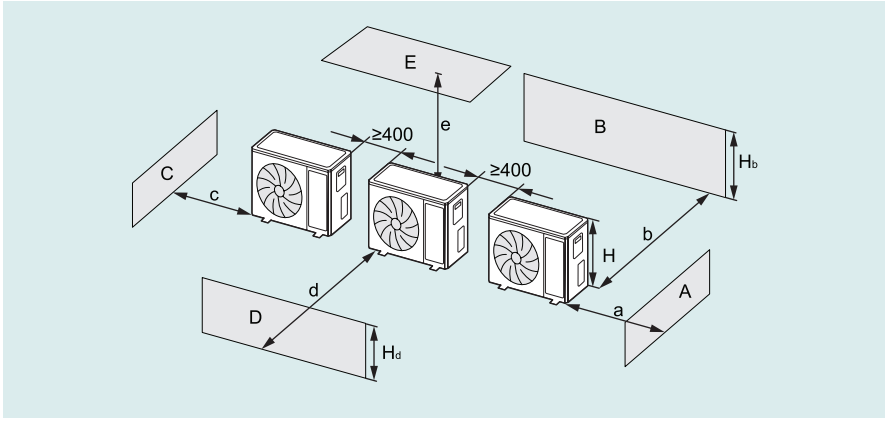
1) When one outdoor unit is to be installed.



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

2) When two or more outdoor units are to be installed side by side.

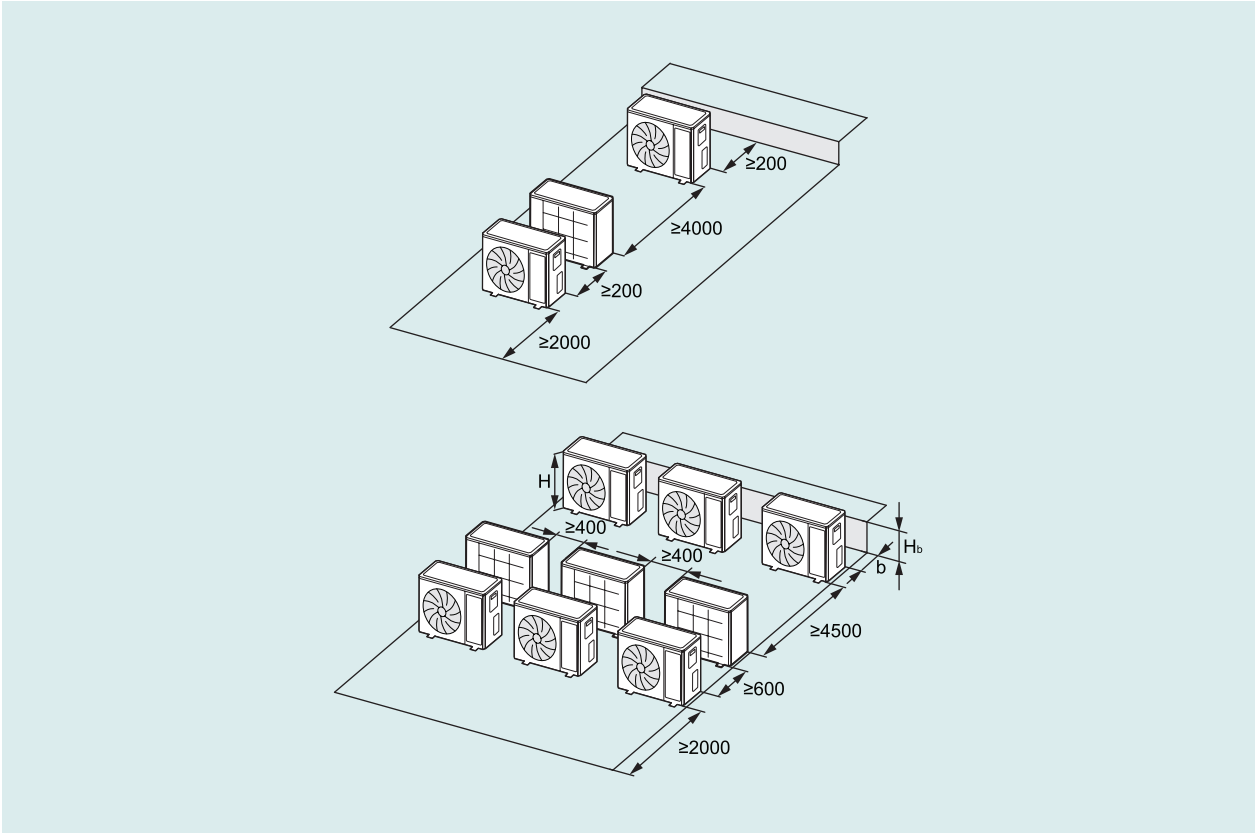
Unit：mm



A~E	H_b H_d H		(mm)				
			a	b	c	d	e
A,B,C	—		≥300	≥300	≥1000	—	—
A,B,C,E	—		≥300	≥300	≥1000	—	≥1000
D	—		—	—	—	≥2000	—
D,E	—		—	—	—	≥2000	≥1000
B,D	$H_b<H_d$	$H_d>H$	—	≥300	—	≥2000	—
	$H_b>H_d$	$H_d\leq1/2H$	—	≥250	—	≥2000	—
		$1/2H<H_d\leq H$	—	≥300	—	≥2500	—
B,D,E	$H_b<H_d$	$H_b\leq1/2H$	—	≥300	—	≥2000	≥1000
		$1/2H<H_b\leq H$	—	≥300	—	≥2500	≥1000
		$H_b>H$	Prohibited				
	$H_b>H_d$	$H_d\leq1/2H$	—	≥250	—	≥2500	≥1000
		$1/2H<H_d\leq H$	—	≥300	—	≥2500	≥1000
		$H_d>H$	Prohibited				

3) When outdoor units are installed in rows.

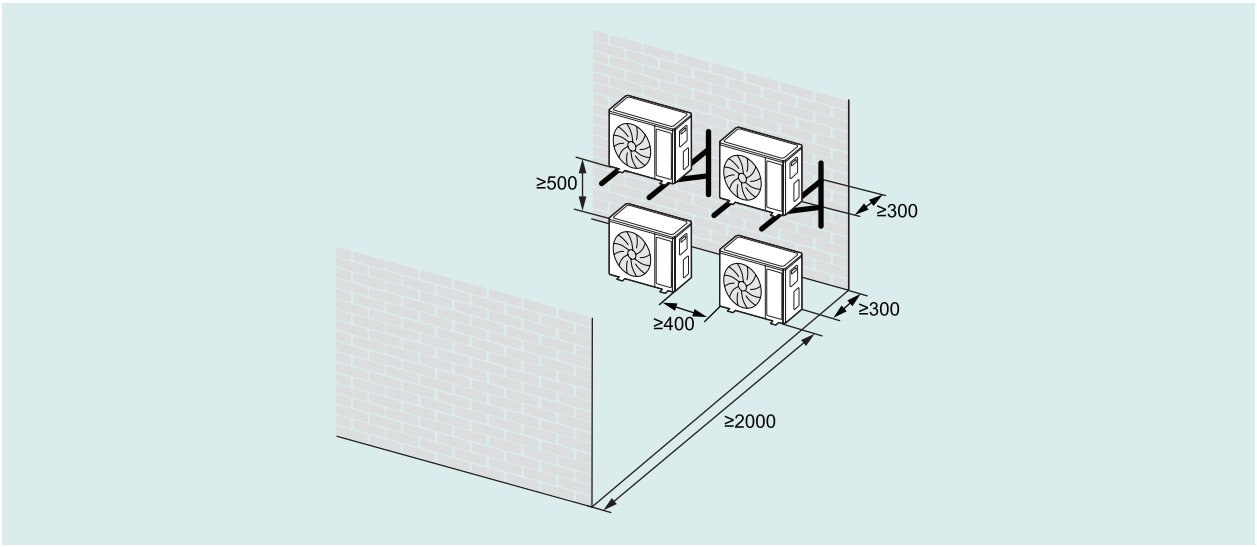
Unit:mm



H_b H	(mm)
$H_b \leq 1/2H$	b≥250
$1/2H < H_b \leq H$	b≥300
$H_b > H$	Prohibited

4) When outdoor units are installed one above another.

Unit:mm



10.5 Controller



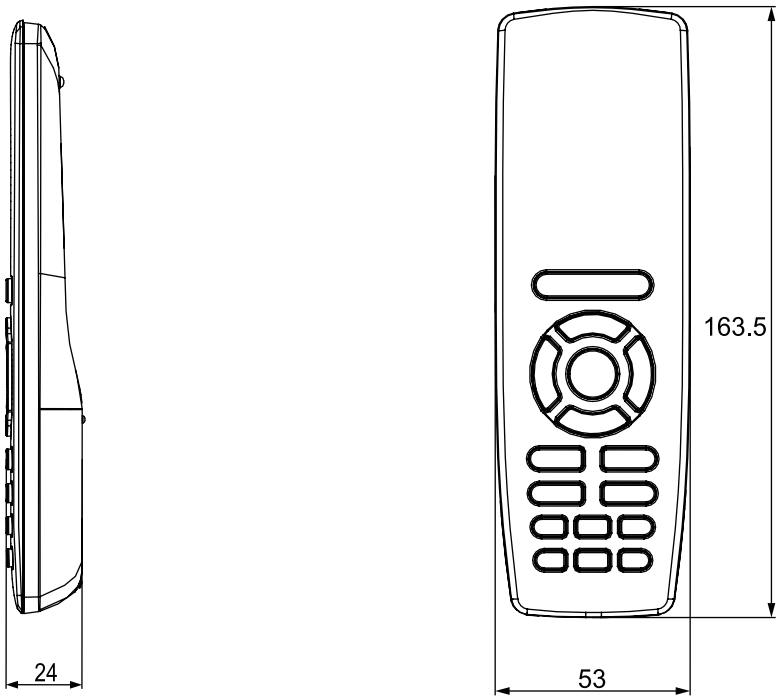
YAP1F11



XE7A-24/H

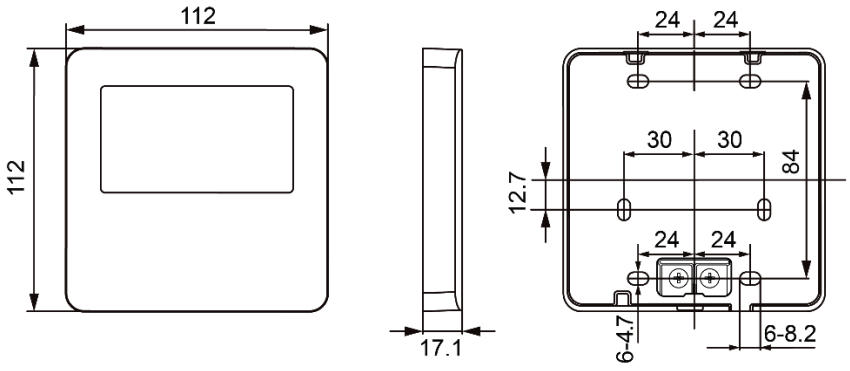
10.5.1 Dimensional Drawing of YAP1F11

Unit:mm



10.5.2 Dimensional Drawing of XE7A-24/H

Unit:mm



11 ELECTRICAL INSTALLATION

11.1 Electrical Parameters

Model	Power supply	Fuse capacity	Min. sectional area of power cord
	V/Ph/Hz	A	mm²
Indoor unit	220-240V ~50/60Hz	3.15	1.0

Model	Power supply	Circuit breaker capacity	Min. sectional area of power cord
	V/Ph/Hz	A	mm^2
GUTD18W1/A-S(E)	220-240V ~50/60Hz	16	1.5
GUTD24W1/A-S(E)		20	2.5
GUTD36W1/A-S(E)		25	2.5
GUTD48W1/A-S(E)		40	6.0
GUTD60W1/A-S(E)			

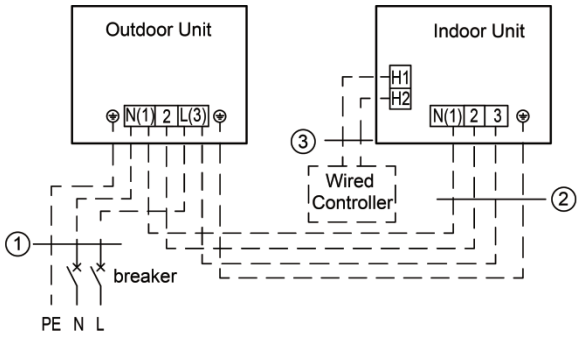
Notes:

1. Fuse is located on the main board.
2. Install a circuit breaker near the outdoor units with at least 3mm contact gap. The units must be able to be plugged or unplugged.
3. Circuit breaker and power cord specifications listed in the above table are determined based on the maximum power input of the units.
4. Supply cords of parts of appliances for outdoor use shall not be lighter than polychloroprene sheathed flexible cord.
5. Specifications of circuit breaker are based on a working condition where the working temperature is 40°C. If working condition changes, please adjust the specifications according to national standards.
6. Adopt 1.0mm² power cords between indoor and outdoor units. The maximum length of 18K-36K units is 30m and the maximum length of 48K-60K units is 50m. Please select a proper length according to local conditions. To be in compliance CISPR 14-1, it is necessary to use 8 meters long wire.
7. Adopt 2pc of 0.75mm² power cords to be the communication cords between wired controller and indoor unit. The maximum length is 30m. Please select a proper length according to local conditions. Communication cords must not be twisted together. To be in compliance CISPR 14-1, it is necessary to use 8 meters long wire.
8. The wire gauge of communication cord should not be less than 0.75mm². It's recommended to use 0.75mm² power cords as the communication cords.

11.2 Wiring Diagram

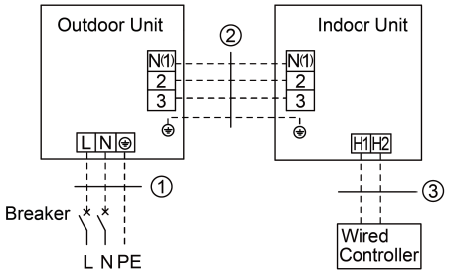
11.2.1 Cassette Type

Single-phase unit:
GUTD18W1/A-S(E); GUTD24W1/A-S(E); GUTD36W1/A-S(E)



Power:220-240V ~50/60Hz

GUTD48W1/A-S(E), GUTD60W1/A-S(E)

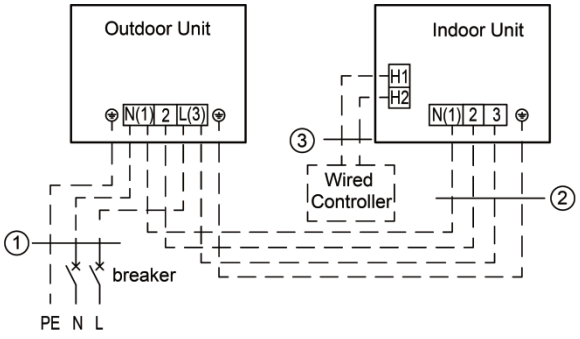


Power:220-240V ~50/60Hz

GUD18T1/A-S(E)+GUTD18W1/A-S(E)
① Power cords 3×1.5mm^2
② Power cords 4×1.0mm^2
③ Communication cords 2×0.75mm^2
GUD24T1/A-S(E)+GUTD24W1/A-S(E)
GUD36T1/A-S(E)+GUTD36W1/A-S(E)
① Power cords 3×2.5mm^2
② Power cords 4×1.0mm^2
③ Communication cords 2×0.75mm^2
GUD48T1/A-S(E)+GUTD48W1/A-S(E)
GUD60T1/A-S(E)+GUTD60W1/A-S(E)
① Power cords 3×6.0mm^2
② Power cords 4×1.0mm^2
③ Communication cords 2×0.75mm^2

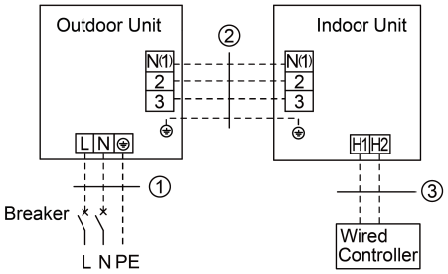
11.2.2 Duct Type

Single-phase unit:
GUTD18W1/A-S(E), GUTD24W1/A-S(E), GUTD36W1/A-S(E)



Power:220-240V ~50/60Hz

GUTD48W1/A-S(E), GUTD60W1/A-S(E)

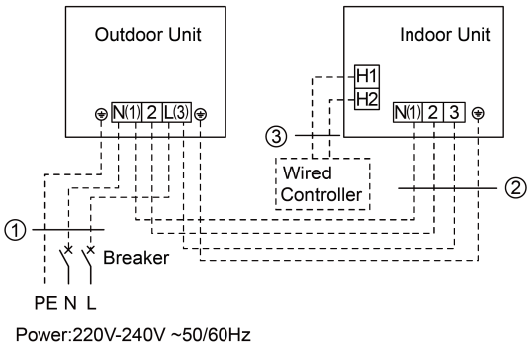


Power:220-240V ~50/60Hz

GUD18PH1/A-S(E)+GUTD18W1/A-S(E), GUD18PHS1/A-S(E)+GUTD18W1/A-S(E)
① Power cords 3×1.5mm^2
② Power cords 4×1.0mm^2
③ Communication cords 2×0.75mm^2
GUD24PH1/A-S(E)+GUTD24W1/A-S(E), GUD24PHS1/A-S(E)+GUTD24W1/A-S(E)
GUD36PH1/A-S(E)+GUTD36W1/A-S(E), GUD36PHS1/A-S(E)+GUTD36W1/A-S(E)
① Power cords 3×2.5mm^2
② Power cords 4×1.0mm^2
③ Communication cords 2×0.75mm^2
GUD48PH1/A-S(E)+GUTD48W1/A-S(E), GUD48PHS1/A-S(E)+GUTD48W1/A-S(E)
GUD60PH1/A-S(E)+GUTD60W1/A-S(E), GUD60PHS1/A-S(E)+GUTD60W1/A-S(E)
① Power cords 3×6.0mm^2
② Power cords 4×1.0mm^2
③ Communication cords 2×0.75mm^2

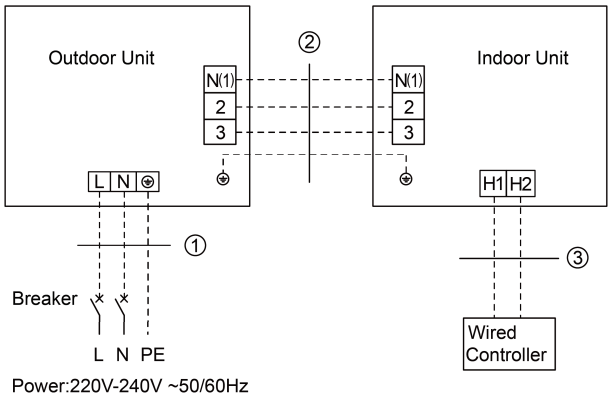
11.2.3 Floor Ceiling Type

Single-phase unit: GUTD36W1/A-S(E)



GUD36ZD1/A-S(E)+GUTD36W1/A-S(E)
① Power cords 3×2.5mm^2
② Power cords 4×1.0mm^2
③ Communication cords 2×0.75mm^2

Single-phase unit: GUTD48W1/A-S(E), GUTD60W1/A-S(E)

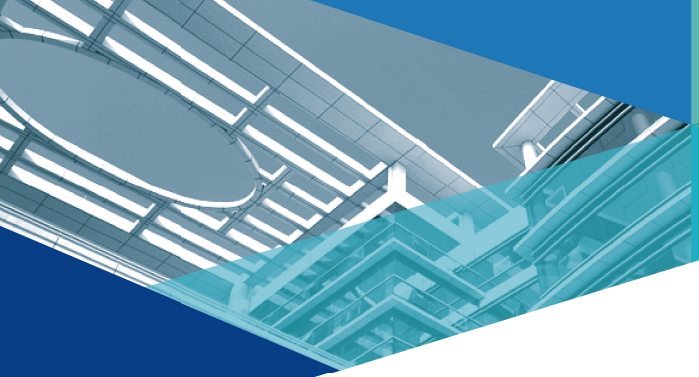


GUD48ZD1/A-S(E)+GUTD48W1/A-S(E), GUD60ZD1/A-S(E)+GUTD60W1/A-S(E)
① Power cords 3×6.0mm^2
② Power cords 4×1.0mm^2
③ Communication cords 2×0.75mm^2

12 LIST OF STANDARD AND OPTIONAL PARTS

—	Cassette type	Duct type	Floor ceiling type
Wired Controller XE7A-24/H	○	●	○
Product code：NC20700190			
Wired Controller XE7A-24/HC (WIFI)	○	○	○
Product code：NC20700260			
Remote Controller YAP1F11 (Power Reduction）	●	○	●
Product code：305001060145			
Remote Controller YAP1F7(WiFi)	○	○	○
Product code：305001060060			
YAN1F1	○	○	○
Product code：30510474			
YAA1FB6(WiFi)	○	○	○
Product code：305001000078			
WiFi Module	○	○	○
Product code：(under development)			
Centralized Controller (up to 36 indoor unit）CE52–24/F(C)	○	○	○
Product code：MC207052			
Modbus Gateway ME50-00/EG(M)	○	○	○
Product code：NC20000010			
Dry Contact Controller ME60-42/H1	○	○	○
Product code：NC25000040			
JS13	○	○	○
Product code：NC25000030			
Gate control LE60-24/H1	○	○	○
Product code：NC20700210			
the Communication Wire of Indoor Unit and Outdoor Unit	○	○	○
the Communication Wire of Indoor Unit and Wire Controller	○	○	○

Note: ●means standard, ○means optional.
Gree reserves the right to modify the specifications without prior notice. Please confirm the final specifications with our local distributor.



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