Technical Sales Guide

U-Match 5 SERIES AIR CONDITIONERS

(GC201804-I)

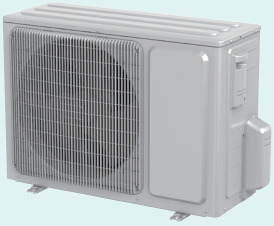
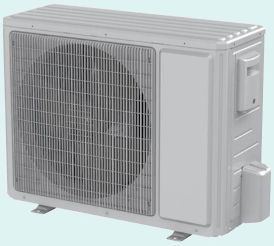
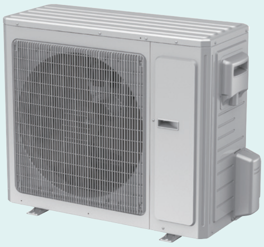
TECHNICAL SALES GUIDE 50/60Hz
CAPACITY RANGE: 3.5-16kW
SUPER HIGH AMBIENT OPERATION TO 48°C

GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI

CONTENTS

1 PRODUCT LIST

1.1 Outdoor Unit

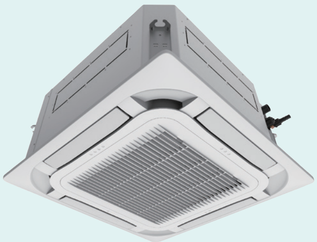
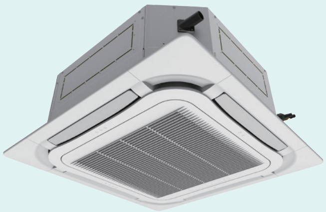
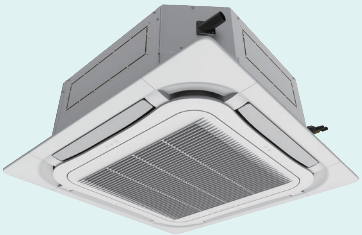
Model	Power supply (V,Ph,Hz)	Finished product code	Appearance
GUD35W/NhA-T	220-240V 1N~50Hz 208-230V 1N~60Hz	CF090W1310	
GUD50W/NhA-T		CF090W1210	
GUD71W/NhA-T		CF090W1220	
GUD85W/NhA-T		CF090W1230	
GUD100W/NhA-T		CF090W1240	
GUD125W/NhA-T		CF090W1260	
GUD140W/NhA-T		CF090W1280	

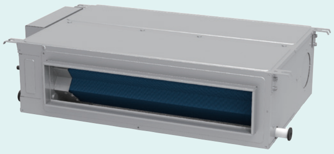
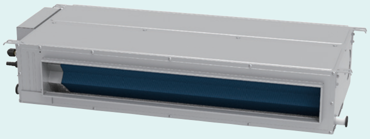
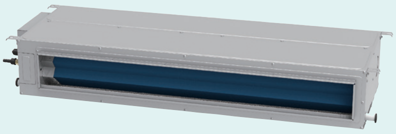
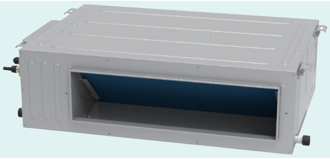
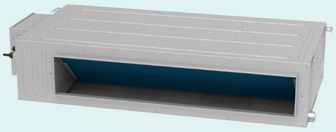
Model	Power supply (V,Ph,Hz)	Finished product code	Appearance
GUD100W/NhA-X	380-415V 3N~50Hz/60Hz	CF090W1250	
GUD125W/NhA-X		CF090W1270	
GUD140W/NhA-X		CF090W1290	
GUD160W/NhA-X	380-415V 3N~50Hz/60Hz	CF090W1300	

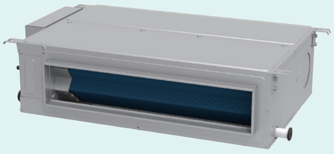
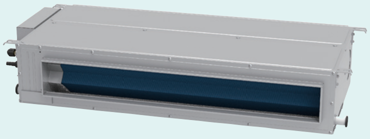
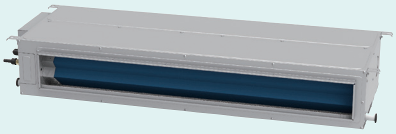
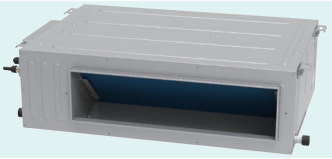
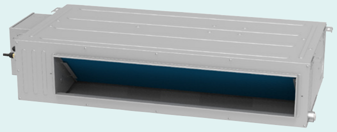
Note: 1 Ton =12000Btu/h = 3.517kW

If one outdoor unit is to be connected with multiple indoor units, the indoor units must have the same cooling capacity and be of the same type.

1.2 Indoor Unit

Model		Rated Cooling/ Heating Capacity (kW)	Power supply (V,Ph,Hz)	Finished product code	Appearance
Cassette Type	GUD35T/A-T	-	220-240V 1N~50Hz 208-230V 1N~60Hz	-	
	GUD50T/A-T	5.0/5.5		ET010N1540	
	GUD71T/A-T	7.0/8.0		ET010N1420	
	GUD85T/A-T	8.5/8.8		ET010N1430	
	GUD100T/A-T	10.0/12.0		ET010N1440	
	GUD125T/A-T	12.1/13.5		ET010N1450	
	GUD140T/A-T	13.4/15.5		ET010N1460	
	GUD160T/A-T	14.5/17.0		ET010N1470	

Model		Rated Cooling/ Heating Capacity (kW)	Power supply (V,Ph,Hz)	Finished product code	Appearance
Duct Type (without pump)	GUD35P/A-T	3.5/4.0	220-240V 1N~50Hz 208-230V 1N~60Hz	CF022N1650	
	GUD50P/A-T	5.0/5.5		CF022N1630	
	GUD71P/A-T	7.0/8.0		CF022N1670	
	GUD85P/A-T	8.5/8.8		CF022N1610	
	GUD100PH/A-T	10.0/12.0		CF022N1590	
	GUD125PH/A-T	12.1/13.5		CF022N1570	
	GUD140PH/A-T	13.4/15.5		CF022N1550	
	GUD160PH/A-T	16.0/17.0		CF022N1530	

Model		Rated Cooling/ Heating Capacity (kW)	Power supply (V,Ph,Hz)	Finished product code	Appearance
Duct Type(with pump)	GUD35PS/A-T	3.5/4.0	220-240V 1N~50Hz 208-230V 1N~60Hz	CF022N1640	
	GUD50PS/A-T	5.0/5.5		CF022N1620	
	GUD71PS/A-T	7.0/8.0		CF022N1660	
	GUD85PS/A-T	8.5/8.8		CF022N1600	
	GUD100PHS/ A-T	10.0/12.0		CF022N1580	
	GUD125PHS/ A-T	12.1/13.5		CF022N1560	
	GUD140PHS/ A-T	13.4/15.5		CF022N1540	
	GUD160PHS/ A-T	16.0/17.0		CF022N1520	

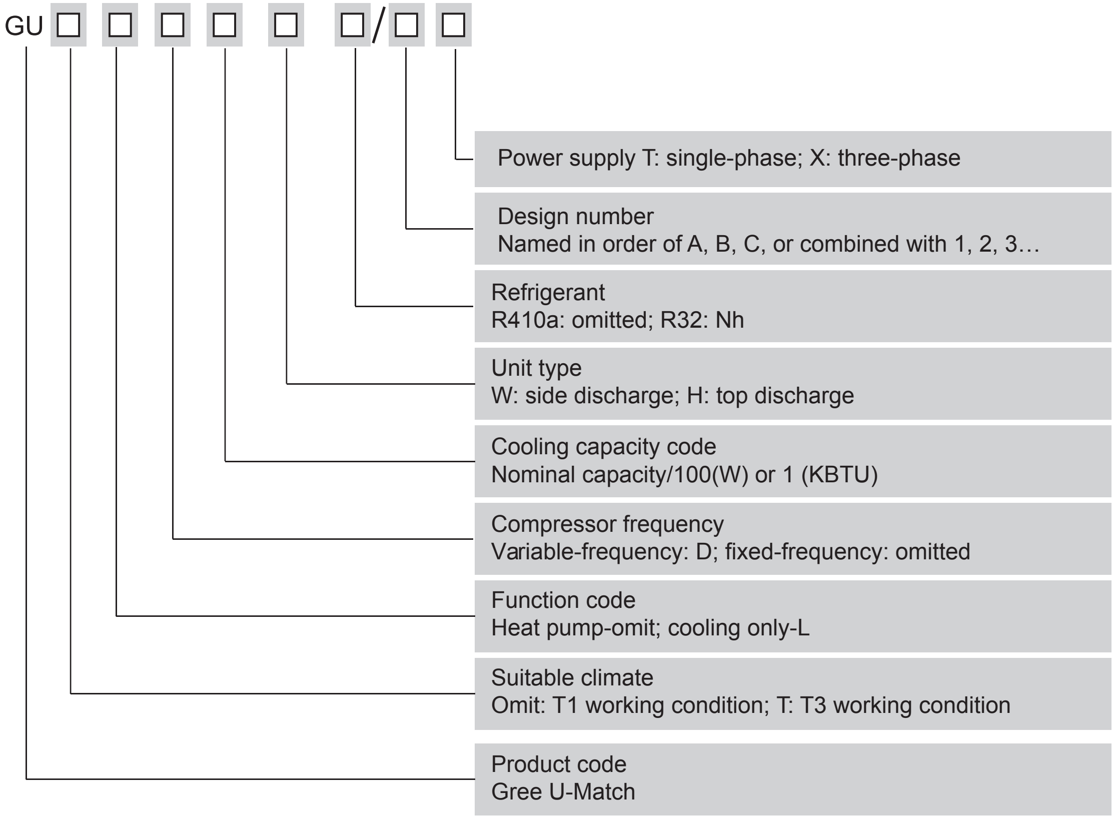
Model		Rated Cooling/ Heating Capacity (kW)	Power supply (V,Ph,Hz)	Finished product code	Appearance
Floor Ceiling Type	GUD35ZD/A-T	3.5/4.0	220-240V 1N~50Hz 208-230V 1N~60Hz	ED020N1720	
	GUD50ZD/A-T	5.0/5.5		ED020N1730	
	GUD71ZD/A-T	7.0/8.0		ED020N1740	
	GUD85ZD/A-T	8.5/8.8		ED020N1750	
	GUD100ZD/A-T	10.0/12.0		ED020N1680	
	GUD125ZD/A-T	12.1/13.5	220-240V 1N~50Hz 208-230V 1N~60Hz	ED020N1690	
	GUD140ZD/A-T	13.4/15.5		ED020N1700	
	GUD160ZD/A-T	16.0/17.0		ED020N1710	

Note: The outdoor unit is generally suitable to any one of the three types of indoor units with no need of change (limited to cassette type, duct type and floor ceiling type).

2 NOMENCLATURE

2.1 Nomenclature of Outdoor Unit

Basic structure of outdoor unit model designation.



GU ☐ ☐ ☐ ☐ ☐ ☐/☐ ☐

Power supply T: single-phase; X: three-phase

Design number
Named in order of A, B, C, or combined with 1, 2, 3…

Refrigerant
R410a: omitted; R32: Nh

Unit type
W: side discharge; H: top discharge

Cooling capacity code
Nominal capacity/100(W) or 1 (KBTU)

Compressor frequency
Variable-frequency: D; fixed-frequency: omitted

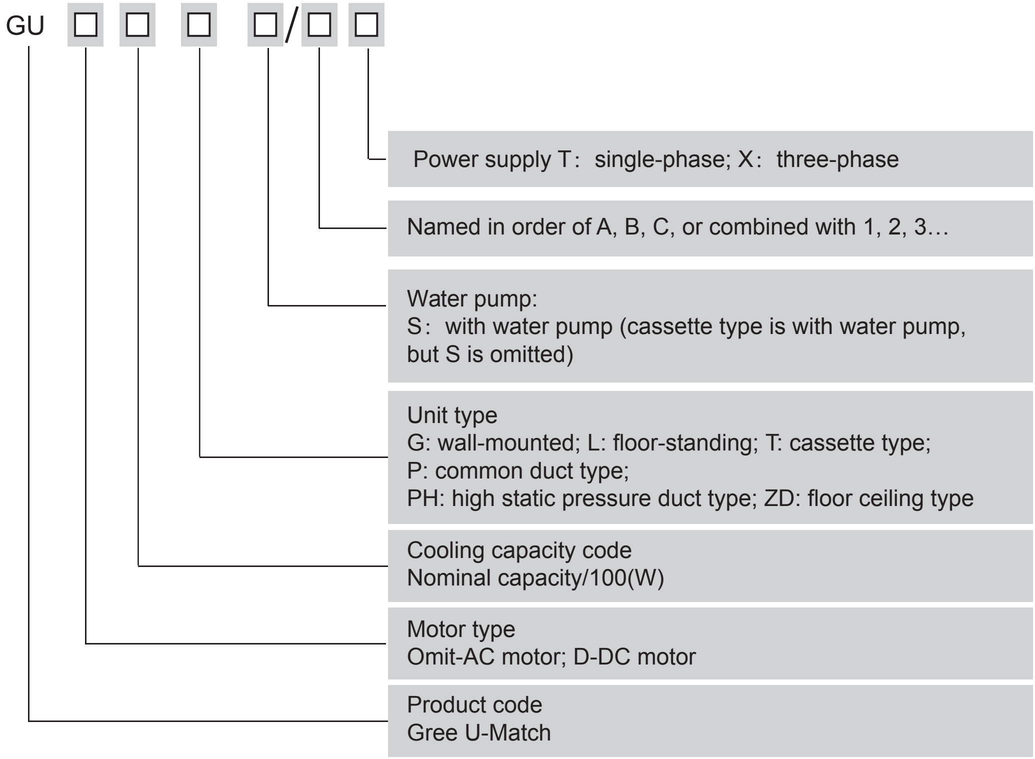
Function code
Heat pump-omit; cooling only-L

Suitable climate
Omit: T1 working condition; T: T3 working condition

Product code
Gree U-Match

2.2 Nomenclature of Indoor Unit

Basic structure of indoor unit model designation.



GU □ □ □ □/□ □

Power supply T： single-phase; X： three-phase

Named in order of A, B, C, or combined with 1, 2, 3…

Water pump:
S： with water pump (cassette type is with water pump, but S is omitted)

Unit type
G: wall-mounted; L: floor-standing; T: cassette type;
P: common duct type;
PH: high static pressure duct type; ZD: floor ceiling type

Cooling capacity code
Nominal capacity/100(W)

Motor type
Omit-AC motor; D-DC motor

Product code
Gree U-Match

3 PRODUCT FEATURES

Gree R32 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 to small-sized commercial and industrial use. Indoor units adopt clasp type, duct type and floor type design for flexible installation. Even when the outdoor temperature is lowered to -20°C, it can still deliver cooling performance. It is also a necessary piece of equipment for winter.

- High Efficiency and Energy Saving
  - 1W standby
  - Energy saving
  - DC motor
  - 8°C heating (absence mode)

- Comfortable and Healthy
  - 360°air discharge
  - Sleep mode
  - Quiet mode
  - Fresh air
  - I fee、Turbo
  - Vertical airflow

Horizontal airflow (limited to floor ceiling unit)
Fast cooling, fast heating
Switch between °F and °C

◆ Reliability
  Self-diagnosis
  Filter cleaning reminder
  Low temperature cooling
  Intelligent defrosting

◆ Easy Control
  WIFI
  Double wired controllers
  Access control
  Centralized control
  Timer On/Off
  Remote control
  Weekly timer
  BMS gateway
  Programmable remote control
  Remote control of dry contact gateways
  Child lock

◆ Versatility
  Multiple selections of Fan Speed
  Multiple modes of static pressure
  Wide voltage range

◆ Convenience
  Memory function
  Filter cleaning reminder

3.1 Eco-Friendly Refrigerant R32

68% lower GWP than that of R410A.

30% lower refrigerant charge compared to R410A.

3.2 User-Friendly Design

1.User can set room temperature in auto mode.

2. In winter, if you are away, the unit can maintain room temperature at 8°C, to care for your pets and plants.

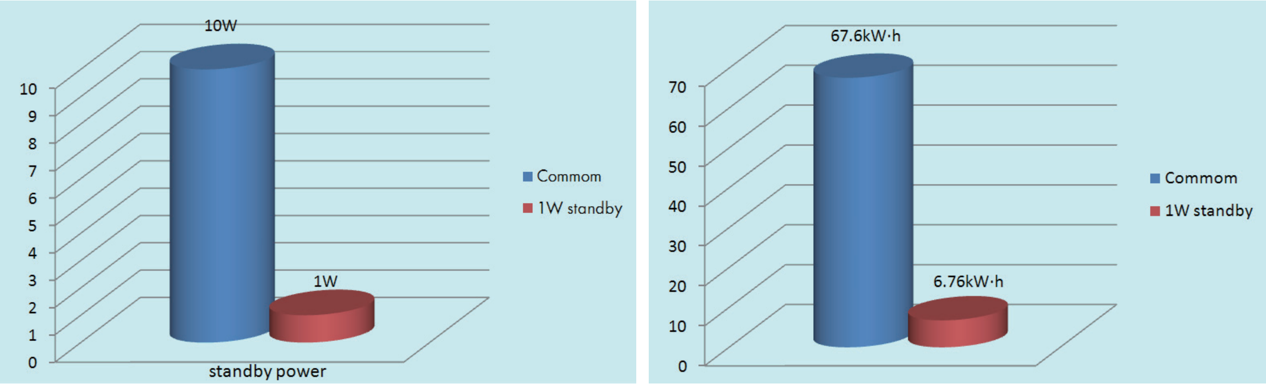
3.Power-off memory function: in case of power failure, unit can memorize the operating condition and restore the previous operating condition when power is resumed.

4. Ambient temperature check: user can check indoor ambient temperature, outdoor ambient temperature and the set temperature through wired controller or remote controller.

3.3 Energy Saving

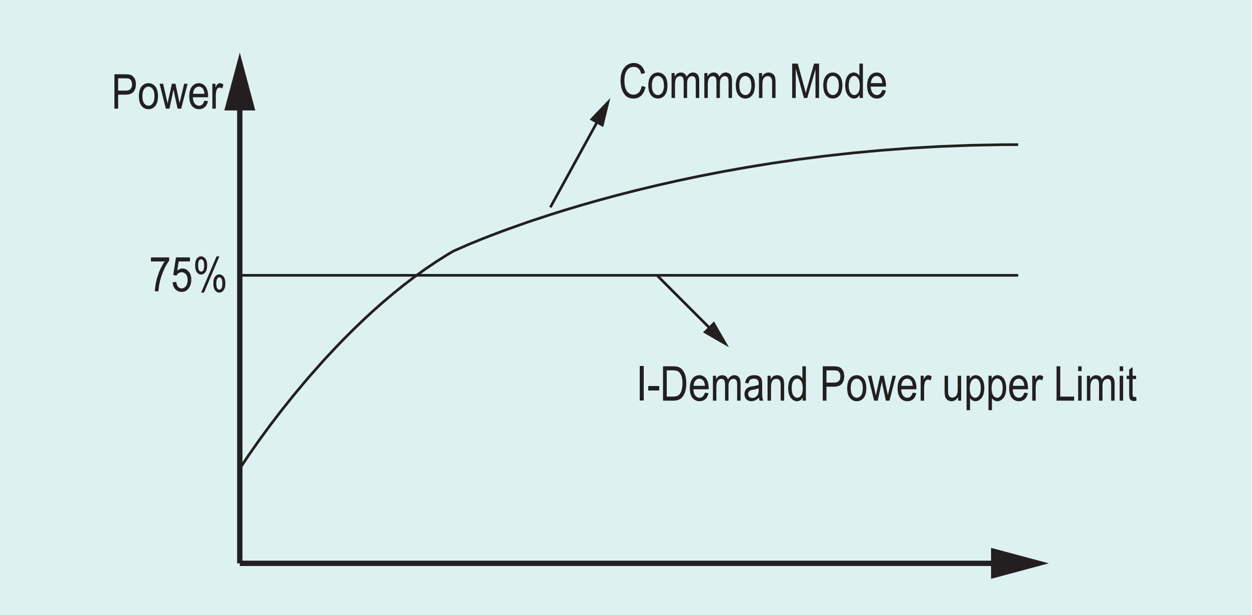
3.3.1 High Energy Efficiency

Power consumption in standby status is only 1W.



3.3.2 I-Demand

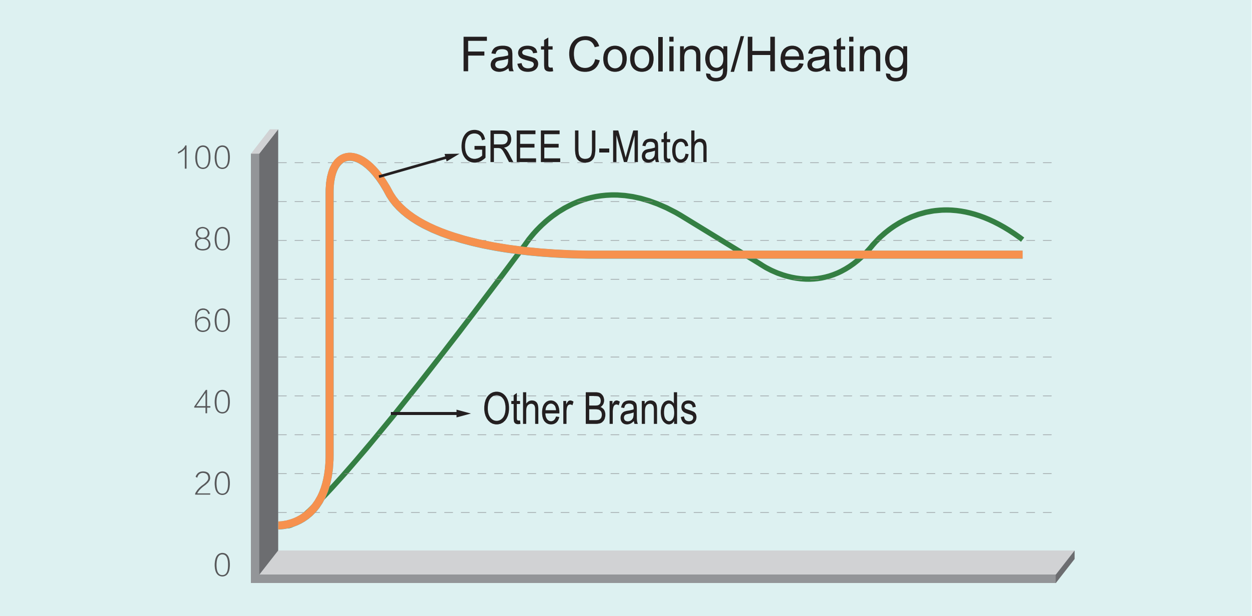
I-Demand function, with 25% power saving.



3.4 Highly Comfortable

3.4.1 Fast Cooling/Heating

When the difference between room temperature and the set temperature is large, the unit will enter fast cooling or fast heating mode upon startup, and then quickly reach the user's set temperature.

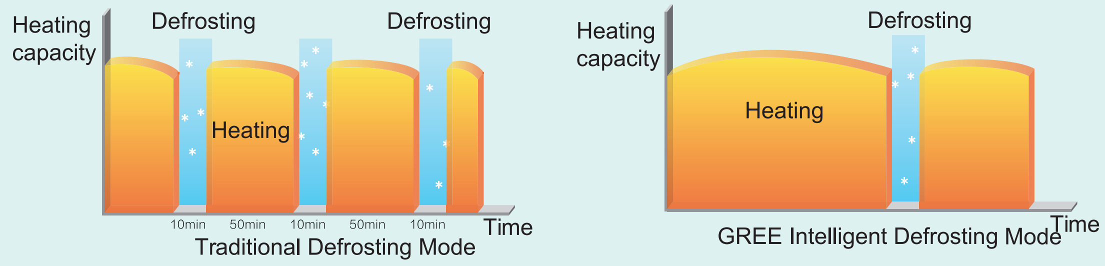


3.4.2 Quiet Design

Both indoor and outdoor units can run quietly, with no noise disturbance to neighbours while providing you with a quiet and comfortable environment.

3.4.3 Intelligent Defrosting

Gree Intelligent Defrosting Technology enables the unit to correctly judge the frost of its outdoor condenser using a temperature sensor. "Defrost what is frosted." Heating effect is enhanced, for a comfortable room.

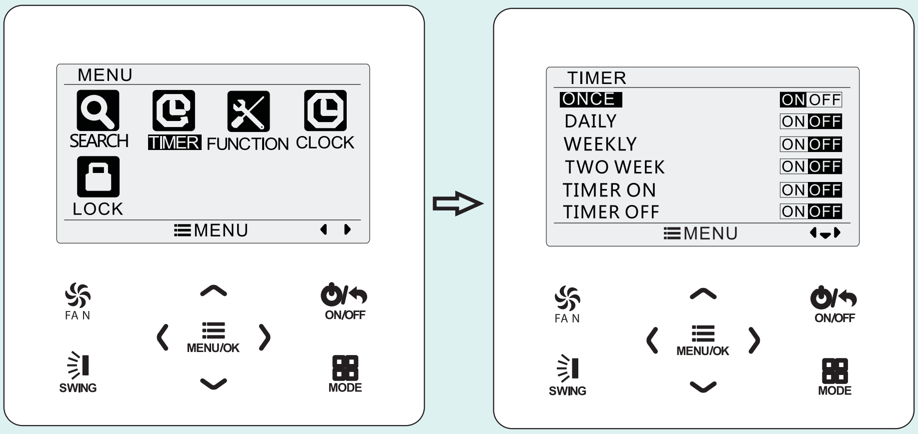


3.5 Smart Convenient Control

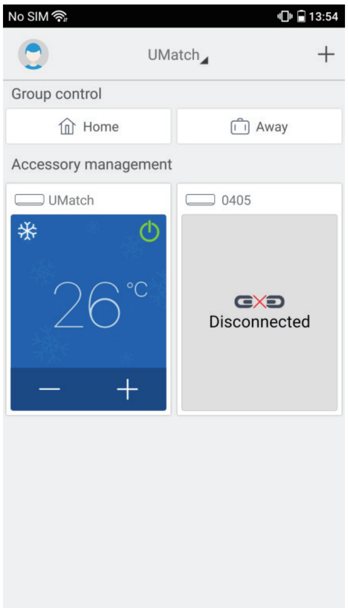
Smartphone APP Control Available.

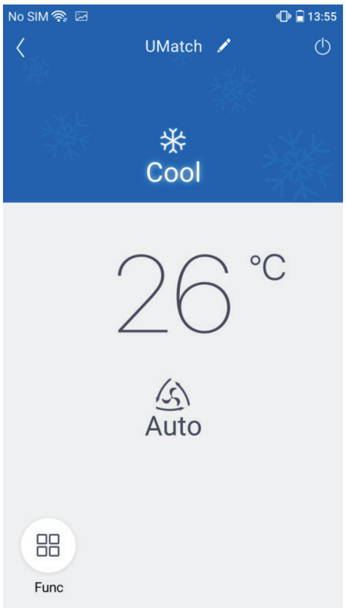
3.5.1 Timer Setting

The wired controller XK75（optional） can set 6 kinds of timer: one time clock timer, everyday timer, one week timer, two week timer, countdown timer on and countdown timer off. Select timer symbol after entering menu page. Press MENU button to enter timer setting page. More details please refer to the wired controller XK75 manual.



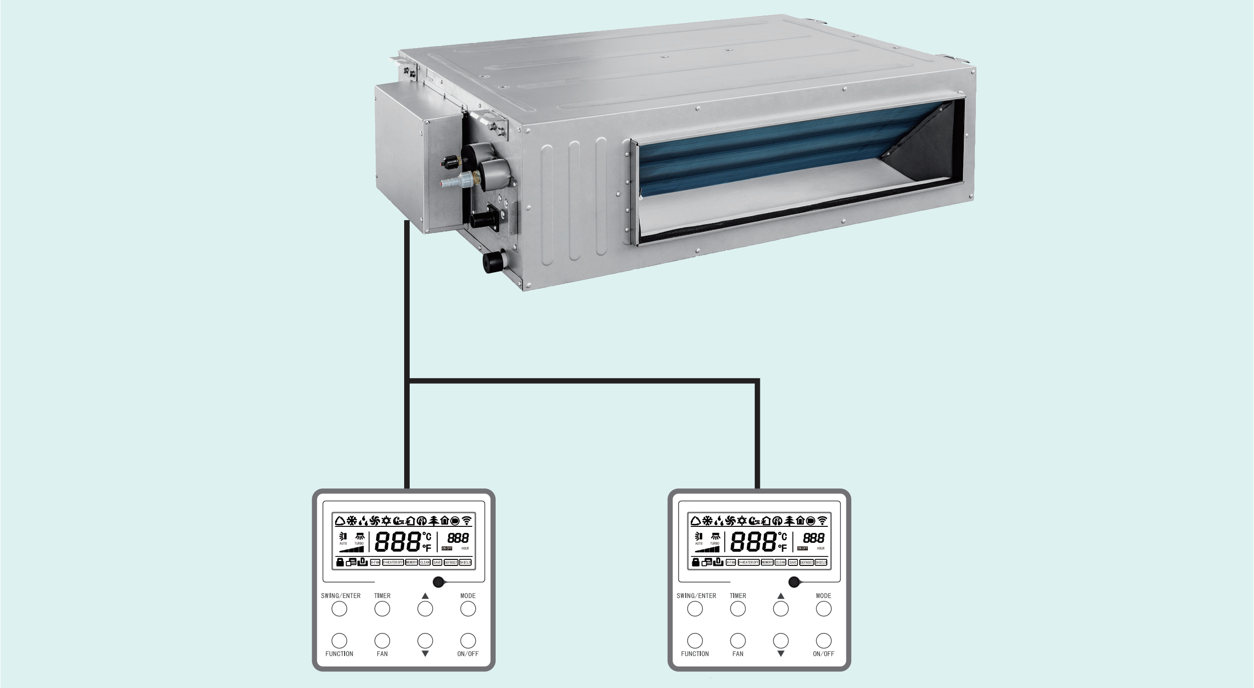
3.5.2 Smart APP Control(WiFi Module needed-Optional)





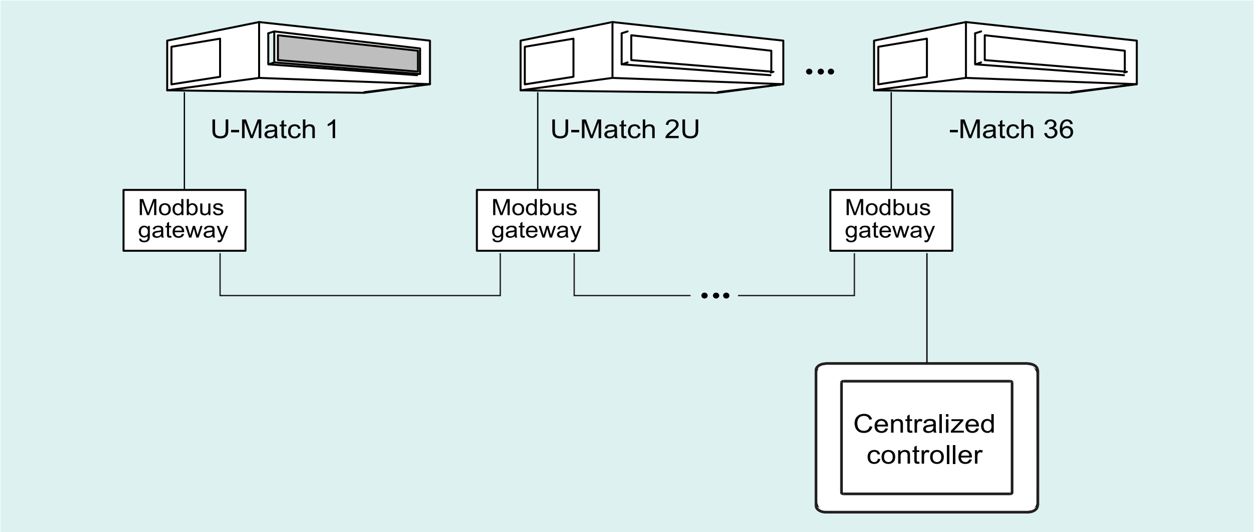
3.5.3 Double Wired Controllers (Optional)

Double wired controllers can be set. They have the same functions and can be installed at the door and bedside, to provide convenient AC control. This function is available in each product of this series. Take duct type unit as an example:

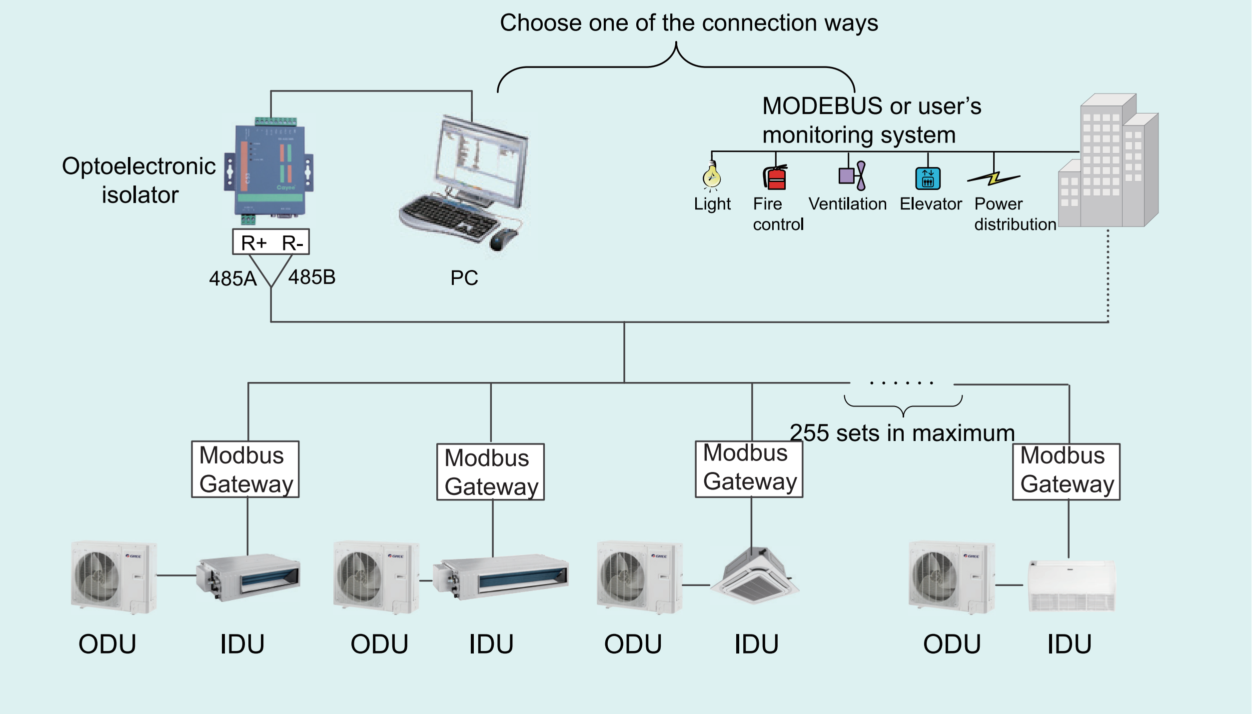


3.5.4 Centralized Control(Optional)

Model: CE52–24/F(C)
Dimension(H*W*D)：128.2mm *185.2mm*54mm
Centralized control for up to 36 indoor units.
Basic control includes On/Off, mode, Fan Speed, temperature, etc.
Modbus gateway required.



3.5.5 MODBUS Interface (Optional)



4 PRODUCT PARAMETERS

4.1 Cassette Type

	IDU		GUD35T/A-T	GUD50T/A-T	GUD71T/A-T	GUD85T/A-T
	ODU		GUD35W/NhA-T	GUD50W/NhA-T	GUD71W/NhA-T	GUD85W/NhA-T
Rated Capacity	Cooling	kW	—	5.00	7.00	8.50
	Heating	kW	—	5.50	8.00	8.80
Input Power	Cooling	kW	—	1.56	2.05	2.80
	Heating	kW	—	1.65	2.20	2.65
Sound Pressure Level Noise	Cooling	dB(A)	—	44	43	49
EER		W/W	—	3.21	3.41	3.04
SEER		—	—	5.90	7.20	6.10
SCOP		—	—	4.00	3.90	4.00
Energy Class (Cooling /Heating)		—	—	A+/A+	A++/A	A++/A+
IDU			GUD35T/A-T	GUD50T/A-T	GUD71T/A-T	GUD85T/A-T

	IDU		GUD35T/A-T	GUD50T/A-T	GUD71T/A-T	GUD85T/A-T
	ODU		GUD35W/NhA-T	GUD50W/NhA-T	GUD71W/NhA-T	GUD85W/NhA-T
Power Supply			220-240V 1N~50Hz;208-230V 1N~60Hz			
Heat Exchanger		—	Inner Groove Copper Tube-Aluminum Fin			
Front Panel	Dimensions	mm	620*620	620*620	950*950	950*950
	Weight	kg	—	3	6	6
Fan Motor	Type	—	Centrifugal Fan			
	Drive	—	—	direct	direct	direct
	Motor Output	W	—	35	35	35
	Air Volume	m^3/h	—	700	1100	1400
Filter		—	PP		PP-MD10	
Connection Pipe	Liquid Pipe	in.	1/4	1/4	3/8	3/8
	Gas Pipe	in.	3/8	1/2	5/8	5/8
	Water Pipe	mm	Φ25*1.5	Φ25*1.50	Φ25*1.50	Φ25*1.50
Dimensions (H*W*D)	Outline	mm	260*570*570	260*570*570	240*840*840	240*840*840
	Package	mm	280*640*685	280*640*685	310*960*960	310*960*960
Weight	Net Weight	kg	—	17	29	29
	Gross Weight	kg	—	22	36	36
ODU			GUD35W/NhA-T	GUD50W/NhA-T	GUD71W/NhA-T	GUD85W/NhA-T
Heat Exchanger		—	Inner Groove Copper Tube-Aluminum Fin			
Power Supply			220-240V 1N~50Hz;208-230V 1N~60Hz			
Compressor	Model		QXF-A102zE170B	QXF-B141zF030F	QXFS-D25zX090H	QXFS-D25zX090H
	Type		Inverter Rotary	Inverter Rotary	Inverter Rotary	Inverter Rotary
	Output	W	1023	1410	2420	2420
Fan Motor	Type	—	Axial-flow			
	Air Volume	m^3/h	3000	3000	3600	4000
	Output Power	W	—	40	—	—
Refrigerant	Type		R32			
	Weight	kg	0.78	1.00	1.60	1.80
	Throttling Method		Electronic Expansion Valve			
Connection Pipe	Liquid Pipe	in.	1/4	1/4	3/8	3/8
	Gas Pipe	in.	3/8	1/2	5/8	5/8
Refrigerant Pipe	Standard Length	m	5	5	5	5
	Max. Length	m	30	35	50	50
	Max. Height	m	15	20	25	25

	IDU		GUD35T/A-T	GUD50T/A-T	GUD71T/A-T	GUD85T/A-T
	ODU		GUD35W/NhA-T	GUD50W/NhA-T	GUD71W/NhA-T	GUD85W/NhA-T
Dimensions (H*W*D)	Outline	mm	596*818*302	596*818*302	698*892*340	790*920*370
	Package	mm	630*945*417	630*945*417	735*1026*455	840*1080*485
Weight	Net Weight	kg	37	39	53	60
	Gross Weight	kg	40	42	57	65

	IDU		GUD100T/A-T	GUD125T/A-T	GUD140T/A-T
	ODU		GUD100W/NhA-T	GUD125W/NhA-T	GUD140W/NhA-T
Rated Capacity	Cooling	kW	10.00	12.10	13.40
	Heating	kW	12.00	13.50	15.50
Input Power	Cooling	kW	3.15	4.10	4.65
	Heating	kW	3.55	4.20	4.35
Sound Pressure Level Noise	Cooling	dB(A)	50	51	52
EER		W/W	3.17	2.95	2.88
SEER		—	6.10	6.10	6.10
SCOP		—	4.00	3.80	3.60
Energy Class (Cooling /Heating)		—	A++/A+	A++/A	A+/A
IDU			GUD100T/A-T	GUD125T/A-T	GUD140T/A-T
Power Supply			220-240V 1N~50Hz;208-230V 1N~60Hz		
Heat Exchanger		—	Inner Groove Copper Tube-Aluminum Fin		
Front Panel	Dimensions	mm	950*950	950*950	950*950
	Weight	kg	6	6	6
Fan Motor	Type	—	Centrifugal Fan		
	Drive	—	direct	direct	direct
	Motor Output	W	35	150	150
	Air Volume	m^3/h	1500	1800	1900
Filter		—	PP-MD10		
Connection Pipe	Liquid Pipe	in.	3/8	3/8	3/8
	Gas Pipe	in.	5/8	5/8	5/8
	Water Pipe	mm	Φ25*1.50	Φ25*1.50	Φ25*1.50
Dimensions (H*W*D)	Outline	mm	240*840*840	290*840*840	290*840*840
	Package	mm	310*960*960	364*960*960	364*960*960
Weight	Net Weight	kg	31	33	36
	Gross Weight	kg	38	41	44
ODU			GUD100W/NhA-T	GUD125W/NhA-T	GUD140W/NhA-T
Heat Exchanger		—	Inner Groove Copper Tube-Aluminum Fin		

	IDU		GUD100T/A-T	GUD125T/A-T	GUD140T/A-T
	ODU		GUD100W/NhA-T	GUD125W/NhA-T	GUD140W/NhA-T
Power Supply			220-240V 1N~50Hz;208-230V 1N~60Hz		
Compressor	Model		QXFS-D32zX090D	QXFS-F428zX450E	QXFS-F428zX450E
	Type		Inverter Rotary	Inverter Rotary	Inverter Rotary
	Output	W	3750	4300	4300
Fan Motor	Type	—	Axial fan		
	Air Volume	m^3/h	5900	5900	5900
	Output Power	W	150	—	—
Refrigerant	Type		R32		
	Weight	kg	2.50	2.65	2.80
	Throttling Method		Electronic Expansion Valve		
Connection Pipe	Liquid Pipe	in.	3/8	3/8	3/8
	Gas Pipe	in.	5/8	5/8	5/8
Refrigerant Pipe	Standard Length	m	5.00	5.00	7.50
	Max. Length	m	65	75	75
	Max. Height	m	30	30	30
Dimensions (H*W*D)	Outline	mm	820*940*460	820*940*460	820*940*460
	Package	mm	852*1070*560	852*1070*560	852*1070*560
Weight	Net Weight	kg	83	91	95
	Gross Weight	kg	95	103	107
Safety Device			High pressure switch Low pressure switch Unloading valve Outdoor fan driver overload protector Thermal protector for indoor Fan Motor Inverter overload protector Fusible plugs. Fuse	High pressure switch Low pressure switch Unloading valve Outdoor fan driver overload protector Thermal protector for indoor Fan Motor Inverter overload protector Fusible plugs. Fuse	High pressure switch Low pressure switch Unloading valve Outdoor fan driver overload protector Thermal protector for indoor Fan Motor Inverter overload protector Fusible plugs. Fuse

	IDU		GUD100T/A-T	GUD125T/A-T	GUD140T/A-T	GUD160T/A-T
	ODU		GUD100W/NhA-X	GUD125W/NhA-X	GUD140W/NhA-X	GUD160W/NhA-X
Rated Capacity	Cooling	kW	10.00	12.10	13.40	14.50
	Heating	kW	12.00	13.50	15.50	17.00
Input Power	Cooling	kW	3.00	4.05	4.70	5.20
	Heating	kW	3.40	4.15	4.45	4.80
Sound Pressure Level Noise	Cooling	dB(A)	50	51	52	54

	IDU		GUD100T/A-T	GUD125T/A-T	GUD140T/A-T	GUD160T/A-T
	ODU		GUD100W/NhA-X	GUD125W/NhA-X	GUD140W/NhA-X	GUD160W/NhA-X
EER		W/W	3.33	2.99	2.85	2.94
SEER		—	6.10	6.10	6.10	6.10
SCOP		—	4.00	3.80	4.00	3.80
Energy Class (Cooling / Heating)		—	A++/A+	A++/A	A++/A+	A++/A
IDU			GUD100T/A-T	GUD125T/A-T	GUD140T/A-T	GUD160T/A-T
Power Supply			220-240V 1N~50Hz;208-230V 1N~60Hz			
Heat Exchanger		—	Inner Groove Copper Tube-Aluminum Fin			
Front Panel	Dimensions	mm	950*950	950*950	950*950	950*950
	Weight	kg	6	6	6	6
Fan Motor	Type	—	Centrifugal Fan			
	Drive	—	direct	direct	direct	direct
	Motor Output	W	35	150	150	150
	Air Volume	m^3/h	1500	1800	1900	2000
Filter		—	PP-MD10			
Connection Pipe	Liquid Pipe	in.	3/8	3/8	3/8	3/8
	Gas Pipe	in.	5/8	5/8	5/8	5/8
	Water Pipe	mm	Φ25*1.50	Φ25*1.50	Φ25*1.50	Φ25*1.50
Dimensions (H*W*D)	Outline	mm	240*840*840	290*840*840	290*840*840	290*840*840
	Package	mm	310*960*960	364*960*960	364*960*960	364*960*960
Weight	Net Weight	kg	31	33	36	36
	Gross Weight	kg	38	41	44	44
ODU			GUD100W/NhA-X	GUD125W/NhA-X	GUD140W/NhA-X	GUD160W/NhA-X
Heat Exchanger		—	Inner Groove Copper Tube-Aluminum Fin			
Power Supply			380-415V 3N~50Hz/60Hz			
Compressor	Model		QXFS-D32zX090C	QXFS-F428zX450I	QXFS-F428zX450I	QXFS-F428zX450I
	Type		Rotary	Rotary	Rotary	Rotary
	Output	W	3750	4300	4300	4060
Fan Motor	Type	—	Axial fan			
	Air Volume	m^3/h	5900	5900	5900	5600
	Output Power	W	—	—	—	—
Refrigerant	Type		R32			
	Weight	kg	2.50	2.65	2.80	3.60
	Throttling Method		Electronic Expansion Valve			

	IDU		GUD100T/A-T	GUD125T/A-T	GUD140T/A-T	GUD160T/A-T
	ODU		GUD100W/NhA-X	GUD125W/NhA-X	GUD140W/NhA-X	GUD160W/NhA-X
Connection Pipe	Liquid Pipe	in.	3/8	3/8	3/8	3/8
	Gas Pipe	in.	5/8	5/8	5/8	5/8
Refrigerant Pipe	Standard Length	m	5.00	5.00	7.50	7.50
	Max. Length	m	65	75	75	75
	Max. Height	m	30	30	30	30
Dimensions (H*W*D)	Outline	mm	820*940*460	820*940*460	820*940*460	1345*900*340
	Package	mm	852*1070*560	852*1070*560	852*1070*560	1380*1030*440
Weight	Net Weight	kg	89	95	99	112
	Gross Weight	kg	101	107	111	122
Safety Device			High pressure switch Low pressure switch Unloading valve Outdoor fan driver overload protector Thermal protector for indoor Fan Motor Inverter overload protector Fusible plugs. Fuse	High pressure switch Low pressure switch Unloading valve Outdoor fan driver overload protector Thermal protector for indoor Fan Motor Inverter overload protector Fusible plugs. Fuse	High pressure switch Low pressure switch Unloading valve Outdoor fan driver overload protector Thermal protector for indoor Fan Motor Inverter overload protector Fusible plugs. Fuse	High pressure switch Low pressure switch Unloading valve Outdoor fan driver overload protector Thermal protector for indoor Fan Motor Inverter overload protector Fusible plugs. Fuse

4.2 Duct Type

	IDU		GUD35P/A-T	GUD50P/A-T	GUD71P/A-T	GUD85P/A-T
			GUD35PS/A-T	GUD50PS/A-T	GUD71PS/A-T	GUD85PS/A-T
	ODU		GUD35W/NhA-T	GUD50W/NhA-T	GUD71W/NhA-T	GUD85W/NhA-T
Rated Capacity	Cooling	kW	3.50	5.00	7.00	8.50
	Heating	kW	4.00	5.50	8.00	8.80
Input Power	Cooling	kW	0.95	1.55	2.10	2.70
	Heating	kW	1.05	1.45	2.25	2.65
Sound Pressure Level Noise	Cooling	dB(A)	41	43	40	42
EER		W/W	3.68	3.23	3.33	3.15
SEER		—	6.10	6.10	6.80	6.10
SCOP		—	4.00	4.00	4.00	4.00
Energy Class (Cooling / Heating)		—	A++/A+	A++/A+	A++/A+	A++/A+
IDU			GUD35P/A-T	GUD50P/A-T	GUD71P/A-T	GUD85P/A-T
			GUD35PS/A-T	GUD50PS/A-T	GUD71PS/A-T	GUD85PS/A-T
Power Supply			220-240V 1N~50Hz;208-230V 1N~60Hz			

	IDU		GUD35P/A-T	GUD50P/A-T	GUD71P/A-T	GUD85P/A-T
			GUD35PS/A-T	GUD50PS/A-T	GUD71PS/A-T	GUD85PS/A-T
	ODU		GUD35W/NhA-T	GUD50W/NhA-T	GUD71W/NhA-T	GUD85W/NhA-T
Heat Exchanger		—	Inner Groove Copper Tube-Aluminum Fin			
Static pressure(rated/maximum)			25/50	25/50	25/75	37/75
Fan Motor	Type	—	Centrifugal Fan			
	Drive	—	direct	direct	direct	direct
	Motor Output	W	60	60	60	60
	Air Volume	m^3/h	650	950	1200	1500
Filter		—	PPKZ			
Connection Pipe	Liquid Pipe	in.	1/4	1/4	3/8	3/8
	Gas Pipe	in.	3/8	1/2	5/8	5/8
	Water Pipe	mm	Φ25*1.50	Φ25*1.50	Φ25*1.50	Φ25*1.50
Dimensions (H*W*D)	Outline	mm	200*700*450	200*1000*450	220*1300*450	220*1300*450
	Package	mm	260*565*1005	260*565*1305	268*542*1567	268*542*1567
Weight	Net Weight	kg	19/20	25/26	30/31	30/31
	Gross Weight	kg	23/24	30/31	35/36	35/36
ODU			GUD35W/NhA-T	GUD50W/NhA-T	GUD71W/NhA-T	GUD85W/NhA-T
Heat Exchanger		—	Inner Groove Copper Tube-Aluminum Fin			
Power Supply			220-240V 1N~50Hz;208-230V 1N~60Hz			
Compressor	Model		QXF-A102zE170B	QXF-B141zF030F	QXFS-D25zX090H	QXFS-D25zX090H
	Type		Rotary	Rotary	Rotary	Rotary
	Output	W	1023	1410	2420	2420
Fan Motor	Type	—	Axial fan			
	Air Volume	m^3/h	3000	3000	3600	4000
	Output Power	W	—	40	—	—
Refrigerant	Type		R32			
	Weight	kg	0.78	1.00	1.60	1.80
	Throttling Method		Electronic Expansion Valve			
Connection Pipe	Liquid Pipe	in.	1/4	1/4	3/8	3/8
	Gas Pipe	in.	3/8	1/2	5/8	5/8
Refrigerant Pipe	Standard Length	m	5	5	5	5
	Max. Length	m	30	35	50	50
	Max. Height	m	15	20	25	25
Dimensions (H*W*D)	Outline	mm	596*818*302	596*818*302	698*892*340	790*920*370
	Package	mm	630*945*417	630*945*417	735*1026*455	840*1080*485

	IDU		GUD35P/A-T	GUD50P/A-T	GUD71P/A-T	GUD85P/A-T
			GUD35PS/A-T	GUD50PS/A-T	GUD71PS/A-T	GUD85PS/A-T
	ODU		GUD35W/NhA-T	GUD50W/NhA-T	GUD71W/NhA-T	GUD85W/NhA-T
Weight	Net Weight	kg	37	39	53	60
	Gross Weight	kg	40	42	57	65

	IDU		GUD100PH/A-T	GUD125PH/A-T	GUD140PH/A-T
			GUD100PHS/A-T	GUD125PHS/A-T	GUD140PHS/A-T
	ODU		GUD100W/NhA-T	GUD125W/NhA-T	GUD140W/NhA-T
Rated Capacity	Cooling	kW	10.00	12.10	13.40
	Heating	kW	12.00	13.50	15.50
Input Power	Cooling	kW	3.20	4.40	4.45
	Heating	kW	3.40	4.10	4.60
Sound Pressure Level Noise	Cooling	dB(A)	46	42	43
EER		W/W	3.13	2.95	3.01
SEER		—	6.10	5.80	6.10
SCOP		—	4.00	3.80	3.60
Energy Class (Cooling / Heating)		—	A++/A+	A+/A	A++/A
IDU			GUD100PH/A-T	GUD125PH/A-T	GUD140PH/A-T
			GUD100PHS/A-T	GUD125PHS/A-T	GUD140PHS/A-T
Power Supply			220-240V 1N~50Hz;208-230V 1N~60Hz		
Heat Exchanger		—	Inner Groove Copper Tube-Aluminum Fin		
Static pressure(rated/maximum)			37/100	50/150	50/150
Fan Motor	Type	—	Centrifugal Fan		
	Drive	—	direct	direct	direct
	Motor Output	W	200	250	250
	Air Volume	m^3/h	1800	2000	2200
Filter		—	PP		
Connection Pipe	Liquid Pipe	in.	3/8	3/8	3/8
	Gas Pipe	in.	5/8	5/8	5/8
	Water Pipe	mm	Φ25*1.50	Φ25*1.50	Φ25*1.50
Dimensions (H*W*D)	Outline	mm	300*1000*700	300*1400*700	300*1400*700
	Package	mm	345*810*1202	350*810*1598	350*810*1598
Weight	Net Weight	kg	40/41	49/50	49/50
	Gross Weight	kg	46/47	55/56	55/56
ODU			GUD100W/NhA-T	GUD125W/NhA-T	GUD140W/NhA-T
Heat Exchanger		—	Inner Groove Copper Tube-Aluminum Fin		
Power Supply			220-240V 1N~50Hz;208-230V 1N~60Hz		
Compressor	Model		QXFS-D32zX090D	QXFS-F428zX450E	QXFS-F428zX450E
	Type		Rotary	Rotary	Rotary
	Output	W	3750	4300	4300

	IDU		GUD100PH/A-T	GUD125PH/A-T	GUD140PH/A-T
			GUD100PHS/A-T	GUD125PHS/A-T	GUD140PHS/A-T
	ODU		GUD100W/NhA-T	GUD125W/NhA-T	GUD140W/NhA-T
Fan Motor	Type	—	Axial fan		
	Air Volume	m^3/h	5900	5900	5900
	Output Power	W	150	—	—
Refrigerant	Type		R32		
	Weight	kg	2.50	2.65	2.80
	Throttling Method		Electronic Expansion Valve		
Connection Pipe	Liquid Pipe	in.	3/8	3/8	3/8
	Gas Pipe	in.	5/8	5/8	5/8
Refrigerant Pipe	Standard Length	m	5.00	5.00	7.50
	Max. Length	m	65	75	75
	Max. Height	m	30	30	30
Dimensions (H*W*D)	Outline	mm	820*940*460	820*940*460	820*940*460
	Package	mm	853*1070*560	853*1070*560	853*1070*560
Weight	Net Weight	kg	83	91	95
	Gross Weight	kg	95	103	107
Safety Device			High pressure switch Low pressure switch Unloading valve Outdoor fan driver overload protector Thermal protector for indoor Fan Motor Inverter overload protector Fusible plugs. Fuse	High pressure switch Low pressure switch Unloading valve Outdoor fan driver overload protector Thermal protector for indoor Fan Motor Inverter overload protector Fusible plugs. Fuse	High pressure switch Low pressure switch Unloading valve Outdoor fan driver overload protector Thermal protector for indoor Fan Motor Inverter overload protector Fusible plugs. Fuse

	IDU		GUD100PH/A-T	GUD125PH/A-T	GUD140PH/A-T	GUD160PH/A-T
			GUD100PHS/A-T	GUD125PHS/A-T	GUD140PHS/A-T	GUD160PHS/A-T
	ODU		GUD100W/NhA-X	GUD125W/NhA-X	GUD140W/NhA-X	GUD160W/NhA-X
Rated Capacity	Cooling	kW	10.00	12.10	13.40	16.00
	Heating	kW	12.00	13.50	15.50	17.00
Input Power	Cooling	kW	3.15	3.80	4.70	5.45
	Heating	kW	3.50	3.90	4.45	5.00
Sound Pressure Level Noise	Cooling	dB(A)	46	42	43	46
EER		W/W	3.17	3.18	2.85	2.94
SEER		—	6.10	5.80	5.40	6.10
SCOP		—	4.00	3.80	3.70	4.00
Energy Class (Cooling / Heating)		—	A++/A+	A+/A	A+/A	A++/A+
IDU			GUD100PH/A-T	GUD125PH/A-T	GUD140PH/A-T	GUD160PH/A-T
			GUD100PHS/A-T	GUD125PHS/A-T	GUD140PHS/A-T	GUD160PHS/A-T
Power Supply			220-240V 1N~50Hz;208-230V 1N~60Hz			
Heat Exchanger		—	Inner Groove Copper Tube-Aluminum Fin			
Static pressure(rated/maximum)			37/100	37/150	50/150	50/200

			GUD100PH/A-T	GUD125PH/A-T	GUD140PH/A-T	GUD160PH/A-T
	IDU		GUD100PHS/A-T	GUD125PHS/A-T	GUD140PHS/A-T	GUD160PHS/A-T
	ODU		GUD100W/NhA-X	GUD125W/NhA-X	GUD140W/NhA-X	GUD160W/NhA-X
Fan Motor	Type	—	Centrifugal Fan			
	Drive	—	direct	direct	direct	direct
	Motor Output	W	200	250	250	550
	Air Volume	m^3/h	1800	2000	2200	2400
Filter		—	PP			
Connection Pipe	Liquid Pipe	in.	3/8	3/8	3/8	3/8
	Gas Pipe	in.	5/8	5/8	5/8	5/8
	Water Pipe	mm	Φ25*1.50	Φ25*1.50	Φ25*1.50	Φ25*1.50
Dimensions (H*W*D)	Outline	mm	300*1000*754	300*1400*700	300*1400*700	300*1400*700
	Package	mm	345*810*1202	350*810*1598	350*810*1598	350*805*1675
Weight	Net Weight	kg	40/41	49/50	49/50	56/57
	Gross Weight	kg	46/47	55/56	55/56	63/64
ODU			GUD100W/NhA-X	GUD125W/NhA-X	GUD140W/NhA-X	GUD160W/NhA-X
Heat Exchanger		—	Inner Groove Copper Tube-Aluminum Fin			
Power Supply			380-415V 3N~50Hz/60Hz			
Compressor	Model		QXFS-D32zX090C	QXFS-F428zX450I	QXFS-F428zX450I	QXFS-F428zX450I
	Type		Rotary	Rotary	Rotary	Rotary
	Output	W	3750	4300	4300	4060
Fan Motor	Type	—	Axial fan			
	Air Volume	m^3/h	5900	5900	5900	6600
	Output Power	W	—	—	—	—
Refrigerant	Type		R32			
	Weight	kg	2.50	2.65	2.80	3.60
	Throttling Method		Electronic Expansion Valve			
Connection Pipe	Liquid Pipe	in.	3/8	3/8	3/8	3/8
	Gas Pipe	in.	5/8	5/8	5/8	5/8
Refrigerant Pipe	Standard Length	m	5.00	5.00	7.50	7.50
	Max. Length	m	65	75	75	75
	Max. Height	m	30	30	30	30
Dimensions (H*W*D)	Outline	mm	820*940*460	820*940*460	820*940*460	1345*900*340
	Package	mm	853*1070*560	853*1070*560	853*1070*560	1380*900*340
Weight	Net Weight	kg	89	95	99	112
	Gross Weight	kg	101	107	111	122

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

4.3 Floor Ceiling Type

	IDU		GUD35ZD/A-T	GUD50ZD/A-T	GUD71ZD/A-T	GUD85ZD/A-T
	ODU		GUD35W/NhA-T	GUD50W/NhA-T	GUD71W/NhA-T	GUD85W/NhA-T
Rated Capacity	Cooling	kW	3.50	5.00	7.00	8.50
	Heating	kW	4.00	5.50	8.00	8.80
Input Power	Cooling	kW	0.90	1.55	1.90	2.80
	Heating	kW	0.95	1.60	2.45	2.65
Sound Pressure Level Noise	Cooling	dB(A)	39	44	45	49
EER		W/W	3.89	3.23	3.68	3.04
SEER			6.70	6.10	6.80	6.10
SCOP		—	4.00	4.00	3.90	4.00
Energy Class (Cooling / Heating)		—	A++/A+	A++/A+	A++/A	A++/A+
IDU			GUD35ZD/A-T	GUD50ZD/A-T	GUD71ZD/A-T	GUD85ZD/A-T
Power Supply			220-240V 1N~50Hz;208-230V 1N~60Hz			
Heat Exchanger		—	Inner Groove Copper Tube-Aluminum Fin			
Fan Motor	Type	—	Centrifugal Fan			
	Drive	—	direct	direct	direct	direct
	Motor Output	W	40	40	150	150
	Air Volume	m^3/h	650	850	1300	1500
Filter		—	PP			
Connection Pipe	Liquid Pipe	in.	1/4	1/4	3/8	3/8
	Gas Pipe	in.	3/8	1/2	5/8	5/8
	Water Pipe	mm	Φ25*1.50	Φ25*1.50	Φ25*1.50	Φ25*1.50
Dimensions (H*W*D)	Outline	mm	235*870*665	235*870*665	235*1200*665	235*1200*665
	Package	mm	285*767*1030	285*767*1030	285*767*1360	285*767*1360
Weight	Net Weight	kg	25	26	31	31
	Gross Weight	kg	30	31	37	37

	IDU		GUD35ZD/A-T	GUD50ZD/A-T	GUD71ZD/A-T	GUD85ZD/A-T
	ODU		GUD35W/NhA-T	GUD50W/NhA-T	GUD71W/NhA-T	GUD85W/NhA-T
ODU			GUD35W/NhA-T	GUD50W/NhA-T	GUD71W/NhA-T	GUD85W/NhA-T
Heat Exchanger		—	Inner Groove Copper Tube-Aluminum Fin			
Power Supply			220-240V 1N~50Hz;208-230V 1N~60Hz			
Compressor	Model		QXF-A102zE170B	QXF-B141zF030F	QXFS-D25zX090H	QXFS-D25zX090H
	Type		Rotary	Rotary	Rotary	Rotary
	Output	W	1023	1410	2420	2420
Fan Motor	Type	—	Axial fan			
	Air Volume	m^3/h	3000	3000	3600	4000
	Output Power	W	—	40	—	—
Refrigerant	Type		R32			
	Weight	kg	0.78	1.00	1.60	1.80
	Throttling Method		Electronic Expansion Valve			
Connection Pipe	Liquid Pipe	mm	1/4	1/4	3/8	3/8
	Gas Pipe	in.	3/8	1/2	5/8	5/8
Refrigerant Pipe	Standard Length	m	5	5	5	5
	Max. Length	m	30	35	50	50
	Max. Height	m	15	20	25	25
Dimensions (H*W*D)	Outline	mm	596*818*302	596*818*302	698*892*340	790*920*370
	Package	mm	630*945*417	630*945*417	735*1026*455	840*1080*485
Weight	Net Weight	kg	37	39	53	60
	Gross Weight	kg	40	42	57	65

	IDU		GUD100ZD/A-T	GUD125ZD/A-T	GUD140ZD/A-T
	ODU		GUD100W/NhA-T	GUD125W/NhA-T	GUD140W/NhA-T
Rated Capacity	Cooling	kW	10.00	12.10	13.40
	Heating	kW	12.00	13.50	15.50
Input Power	Cooling	kW	3.30	3.90	4.40
	Heating	kW	3.60	3.95	4.35
Sound Pressure Level Noise	Cooling	dB(A)	49	49	52
EER		W/W	3.03	3.10	3.05
SEER		—	6.10	6.10	6.10
SCOP		—	4.00	3.80	3.70
Energy Class (Cooling /Heating)		—	A++/A+	A++/A	A++/A
IDU			GUD100ZD/A-T	GUD125ZD/A-T	GUD140ZD/A-T
Power Supply			220-240V 1N~50Hz;208-230V 1N~60Hz		
Heat Exchanger		—	Inner Groove Copper Tube-Aluminum Fin		
Fan Motor	Type	—	Centrifugal Fan		
	Drive	—	direct	direct	direct
	Motor Output	W	150	250	250
	Air Volume	m^3/h	1600	1800	2100
Filter		—	PP		

	IDU		GUD100ZD/A-T	GUD125ZD/A-T	GUD140ZD/A-T
	ODU		GUD100W/NhA-T	GUD125W/NhA-T	GUD140W/NhA-T
Connection Pipe	Liquid Pipe	in.	1/4	1/4	3/8
	Gas Pipe	in.	3/8	1/2	5/8
	Water Pipe	mm	Φ25*1.50	Φ25*1.50	Φ25*1.50
Dimensions (H*W*D)	Outline	mm	235*1200*665	235*1570*665	235*1570*665
	Package	mm	285*767*1360	285*767*1726	285*767*1726
Weight	Net Weight	kg	32	40	42
	Gross Weight	kg	38	47	49
ODU			GUD100W/NhA-T	GUD125W/NhA-T	GUD140W/NhA-T
Heat Exchanger		—	Inner Groove Copper Tube-Aluminum Fin		
Power Supply			220-240V 1N~50Hz;208-230V 1N~60Hz		
Compressor	Model		QXFS-D32zX090D	QXFS-F428zX450E	QXFS-F428zX450E
	Type		Rotary	Rotary	Rotary
	Output	W	3750	4300	4300
Fan Motor	Type	—	Axial fan		
	Air Volume	m^3/h	5900	5900	5900
	Output Power	W	150	—	—
Refrigerant	Type		R32		
	Weight	kg	2.50	2.65	2.80
	Throttling Method		Electronic Expansion Valve		
Connection Pipe	Liquid Pipe	mm	3/8	3/8	3/8
	Gas Pipe	in.	5/8	5/8	5/8
Refrigerant Pipe	Standard Length	m	5.00	5.00	7.50
	Max. Length	m	65	75	75
	Max. Height	m	30	30	30
Dimensions (H*W*D)	Outline	mm	820*940*460	820*940*460	820*940*460
	Package	mm	853*1070*560	853*1070*560	853*1070*560
Weight	Net Weight	kg	83	91	95
	Gross Weight	kg	95	103	107
Safety Device			High pressure switch Low pressure switch Unloading valve Outdoor fan driver overload protector Thermal protector for indoor Fan Motor Inverter overload protector Fusible plugs. Fuse	High pressure switch Low pressure switch Unloading valve Outdoor fan driver overload protector Thermal protector for indoor Fan Motor Inverter overload protector Fusible plugs. Fuse	High pressure switch Low pressure switch Unloading valve Outdoor fan driver overload protector Thermal protector for indoor Fan Motor Inverter overload protector Fusible plugs. Fuse

	IDU		GUD100ZD/A-T	GUD125ZD/A-T	GUD140ZD/A-T	GUD160ZD/A-T
	ODU		GUD100W/NhA-X	GUD125W/NhA-X	GUD140W/NhA-X	GUD160W/NhA-X
Rated Capacity	Cooling	kW	10.00	12.10	13.40	16.00
	Heating	kW	12.00	13.50	15.50	17.00
Input Power	Cooling	kW	3.30	4.05	4.30	5.40
	Heating	kW	3.50	4.00	4.40	5.40

	IDU		GUD100ZD/A-T	GUD125ZD/A-T	GUD140ZD/A-T	GUD160ZD/A-T
	ODU		GUD100W/NhA-X	GUD125W/NhA-X	GUD140W/NhA-X	GUD160W/NhA-X
Sound Pressure Level Noise	Cooling	dB(A)	49	49	52	54
EER		W/W	3.03	3.18	3.12	2.96
SEER			6.10	6.10	6.10	6.10
SCOP		—	4.00	3.80	4.00	4.00
Energy Class (Cooling / Heating)		—	A++/A+	A++/A	A++/A+	A++/A+
IDU			GUD100ZD/A-T	GUD125ZD/A-T	GUD140ZD/A-T	GUD160ZD/A-T
Power Supply			220-240V 1N~50Hz;208-230V 1N~60Hz			
Heat Exchanger		—	Inner Groove Copper Tube-Aluminum Fin			
Fan Motor	Type	—	Centrifugal Fan			
	Drive	—	direct	direct	direct	direct
	Motor Output	W	150	250	250	250
	Air Volume	m^3/h	1600	1800	2100	2300
Filter		—	PP			
Connection Pipe	Liquid Pipe	in.	3/8	3/8	3/8	3/8
	Gas Pipe	in.	5/8	5/8	5/8	5/8
	Water Pipe	mm	Φ25*1.50	Φ25*1.50	Φ25*1.50	Φ25*1.50
Dimensions (H*W*D)	Outline	mm	235*1200*665	235*1570*665	235*1570*665	235*1570*665
	Package	mm	285*767*1360	285*767*1726	285*767*1726	285*767*1726
Weight	Net Weight	kg	32	40	42	42
	Gross Weight	kg	38	47	49	49
ODU			GUD100W/NhA-X	GUD125W/NhA-X	GUD140W/NhA-X	GUD160W/NhA-X
Heat Exchanger		—	Inner Groove Copper Tube-Aluminum Fin			
Power Supply			380-415V 3N~50Hz/60Hz			
Compressor	Model		QXFS-D32zX090C	QXFS-F428zX450I	QXFS-F428zX450I	QXFS-F428zX450I
	Type		Rotary	Rotary	Rotary	Rotary
	Output	W	4000	4300	4300	4060
Fan Motor	Type	—	Axial fan			
	Air Volume	m^3/h	5900	5900	5900	6600
	Output Power	W	—	—	—	—
Refrigerant	Type		R32			
	Weight	kg	2.50	2.70	2.80	3.60
	Throttling Method		Electronic Expansion Valve			
Connection Pipe	Liquid Pipe	mm	3/8	3/8	3/8	3/8
	Gas Pipe	in.	5/8	5/8	5/8	5/8
Refrigerant Pipe	Standard Length	m	5.00	5.00	7.50	7.50
	Max. Length	m	65	75	75	75
	Max. Height	m	30	30	30	30

	IDU		GUD100ZD/A-T	GUD125ZD/A-T	GUD140ZD/A-T	GUD160ZD/A-T
	ODU		GUD100W/NhA-X	GUD125W/NhA-X	GUD140W/NhA-X	GUD160W/NhA-X
Dimensions (H*W*D)	Outline	mm	820*940*460	820*940*460	820*940*460	1345*900*340
	Package	mm	853*1070*560	853*1070*560	853*1070*560	1380*900*340
Weight	Net Weight	kg	89	95	99	112
	Gross Weight	kg	101	107	111	122
Safety Device			High pressure switch Low pressure switch Unloading valve Outdoor fan driver overload protector Thermal protector for indoor Fan Motor Inverter overload protector Fusible plugs. Fuse	High pressure switch Low pressure switch Unloading valve Outdoor fan driver overload protector Thermal protector for indoor Fan Motor Inverter overload protector Fusible plugs. Fuse	High pressure switch Low pressure switch Unloading valve Outdoor fan driver overload protector Thermal protector for indoor Fan Motor Inverter overload protector Fusible plugs. Fuse	High pressure switch Low pressure switch Unloading valve Outdoor fan driver overload protector Thermal protector for indoor Fan Motor Inverter overload protector Fusible plugs. Fuse

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

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

5 PRODUCT OPERATION RANGE

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

6 CAPACITY CORRECTION

6.1 Table of Performance Correction

6.1.1 Cassette Type

GUD71T/A-T
Cooling

Fan Speed	Indoor Air Temperature °C		Outdoor Dry Bulb Temperature °C														
			20			25			30			35			40		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	20	14	4.54	3.91	0.85	4.54	3.91	0.99	4.54	3.91	1.07	4.54	3.91	1.16	4.54	3.91	1.25
	23	16	5.52	4.59	1.09	5.52	4.59	1.28	5.52	4.59	1.37	5.52	4.59	1.49	5.52	4.59	1.61
	26	18	6.25	5.01	1.30	6.25	5.01	1.52	6.25	5.01	1.63	6.25	5.01	1.78	6.25	5.01	1.92
	27	19	6.99	5.35	1.52	6.99	5.35	1.78	6.99	5.35	1.91	7.00	5.35	2.05	6.71	5.21	2.24
	30	22	7.20	5.54	1.54	7.20	5.41	1.80	7.20	5.25	1.93	7.20	5.13	2.10	6.91	5.00	2.27
	32	24	7.34	5.36	1.55	7.34	5.19	1.81	7.34	5.05	1.95	7.34	4.91	2.12	7.04	4.79	2.29
H	20	14	4.40	3.79	0.82	4.40	3.79	0.96	4.40	3.79	1.04	4.40	3.79	1.13	4.40	3.79	1.22
	23	16	5.36	4.45	1.06	5.36	4.45	1.24	5.36	4.45	1.33	5.36	4.45	1.45	5.36	4.45	1.56
	26	18	6.06	4.86	1.26	6.06	4.86	1.48	6.06	4.86	1.58	6.06	4.86	1.72	6.06	4.86	1.86
	27	19	6.78	5.19	1.48	6.78	5.19	1.73	6.78	5.19	1.85	6.78	5.19	2.01	6.51	5.06	2.18
	30	22	6.98	5.38	1.49	6.98	5.25	1.75	6.98	5.09	1.88	6.98	4.98	2.04	6.70	4.85	2.20
	32	24	7.12	5.19	1.50	7.12	5.04	1.76	7.12	4.90	1.89	7.12	4.76	2.05	6.83	4.64	2.22
M	20	14	4.18	3.60	0.78	4.18	3.60	0.91	4.18	3.60	0.98	4.18	3.60	1.07	4.18	3.60	1.15
	23	16	5.08	4.22	1.01	5.08	4.22	1.18	5.08	4.22	1.26	5.08	4.22	1.37	5.08	4.22	1.48
	26	18	5.75	4.61	1.20	5.75	4.61	1.40	5.75	4.61	1.50	5.75	4.61	1.63	5.75	4.61	1.76
	27	19	6.43	4.92	1.40	6.43	4.92	1.64	6.43	4.92	1.76	6.43	4.92	1.91	6.17	4.80	2.06
	30	22	6.62	5.10	1.42	6.62	4.98	1.66	6.62	4.83	1.78	6.62	4.72	1.93	6.36	4.60	2.09
	32	24	6.75	4.93	1.43	6.75	4.78	1.67	6.75	4.65	1.79	6.75	4.52	1.95	6.48	4.40	2.10
L	20	14	4.08	3.52	0.76	4.08	3.52	0.89	4.08	3.52	0.96	4.08	3.52	1.04	4.08	3.52	1.13
	23	16	4.97	4.13	0.98	4.97	4.13	1.15	4.97	4.13	1.24	4.97	4.13	1.34	4.97	4.13	1.45
	26	18	5.62	4.51	1.17	5.62	4.51	1.37	5.62	4.51	1.47	5.62	4.51	1.60	5.62	4.51	1.73
	27	19	6.29	4.82	1.37	6.29	4.82	1.60	6.29	4.82	1.72	6.29	4.82	1.87	6.04	4.69	2.02
	30	22	6.48	4.99	1.39	6.48	4.87	1.62	6.48	4.73	1.74	6.48	4.62	1.89	6.22	4.50	2.04
	32	24	6.60	4.82	1.40	6.60	4.67	1.63	6.60	4.55	1.75	6.60	4.42	1.90	6.34	4.31	2.06

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	-11.0	5.99	1.81	5.97	1.86	5.95	1.93	5.95	2.00	5.93	2.06
	-5	-5.6	6.67	1.93	6.65	1.98	6.63	2.04	6.63	2.10	6.61	2.15
	0	-0.7	7.36	2.03	7.34	2.07	7.32	2.13	7.32	2.18	7.30	2.22
	7	6.0	8.18	2.13	8.17	2.17	8.00	2.20	7.83	2.14	7.38	2.00
	10	8.0	8.43	2.19	8.41	2.21	8.15	2.17	7.83	1.99	7.38	1.87
H	-10	-11.0	5.81	1.76	5.79	1.81	5.77	1.87	5.77	1.94	5.75	2.00
	-5	-5.6	6.47	1.87	6.45	1.92	6.43	1.98	6.43	2.04	6.42	2.08
	0	-0.7	7.14	1.97	7.12	2.01	7.10	2.07	7.10	2.12	7.08	2.16
	7	6.0	7.94	2.07	7.92	2.10	7.90	2.15	7.60	2.08	7.16	1.94
	10	8.0	8.18	2.12	8.16	2.15	7.90	2.10	7.60	1.93	7.16	1.81
M	-10	-11.0	5.51	1.67	5.49	1.72	5.47	1.78	5.47	1.84	5.45	1.89
	-5	-5.6	6.14	1.78	6.12	1.82	6.10	1.88	6.10	1.93	6.09	1.97
	0	-0.7	6.77	1.87	6.75	1.90	6.73	1.96	6.73	2.01	6.72	2.05
	7	6.0	7.53	1.96	7.51	1.99	7.49	2.04	7.21	1.97	6.79	1.84
	10	8.0	7.76	2.01	7.74	2.04	7.49	2.00	7.21	1.83	6.79	1.72
L	-10	-11.0	5.39	1.63	5.37	1.68	5.35	1.74	5.35	1.80	5.33	1.85
	-5	-5.6	6.01	1.74	5.99	1.78	5.97	1.84	5.97	1.89	5.95	1.93
	0	-0.7	6.62	1.83	6.61	1.86	6.59	1.92	6.59	1.97	6.57	2.00
	7	6.0	7.37	1.92	7.35	1.95	7.33	1.99	7.05	1.93	6.64	1.80
	10	8.0	7.59	1.97	7.57	1.99	7.33	1.95	7.05	1.79	6.64	1.68

Note:

DB: Dry bulb temp.
WB: Wet bulb temp.
TC: Total cooling(heating) capacity.
SHC: Sensible capacity
PI: Power Input.

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

Cooling	Heating	Equivalent Piping Length
Indoor:27°C /19°C Outdoor:35°C	Indoor:20°C Outdoor:7°C /6°C	5m

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

3. The green table shows nominal MAX capacities.

GUD85T/A-T

Cooling

Fan Speed	Indoor Air Temperature ˚C		Outdoor Dry Bulb Temperature ˚C														
			20			25			30			35			40		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	20	14	5.52	5.70	1.15	5.52	5.70	1.34	5.52	5.70	1.44	5.52	5.70	1.56	5.52	5.70	1.69
	23	16	6.72	6.69	1.47	6.72	6.69	1.72	6.72	6.69	1.85	6.72	6.69	2.01	6.72	6.69	2.17
	26	18	7.60	7.31	1.75	7.60	7.31	2.05	7.60	7.31	2.20	7.60	7.31	2.39	7.60	7.31	2.58
	27	19	8.50	7.80	2.05	8.50	7.80	2.40	8.50	7.80	2.58	8.50	7.80	2.80	8.16	7.60	3.02
	30	22	8.76	8.08	2.08	8.76	7.89	2.43	8.76	7.66	2.61	8.76	7.48	2.83	8.41	7.29	3.06
	32	24	8.92	7.81	2.09	8.92	7.57	2.44	8.92	7.37	2.63	8.92	7.16	2.85	8.57	6.98	3.08
H	20	14	5.35	5.53	1.11	5.35	5.53	1.30	5.35	5.53	1.40	5.35	5.53	1.52	5.35	5.53	1.64
	23	16	6.51	6.49	1.43	6.51	6.49	1.67	6.51	6.49	1.80	6.51	6.49	1.95	6.51	6.49	2.11
	26	18	7.37	7.09	1.70	7.37	7.09	1.99	7.37	7.09	2.14	7.37	7.09	2.32	7.37	7.09	2.51
	27	19	8.25	7.57	1.99	8.25	7.57	2.33	8.25	7.57	2.50	8.25	7.57	2.72	7.92	7.37	2.93
	30	22	8.49	7.84	2.01	8.49	7.65	2.36	8.49	7.43	2.53	8.49	7.26	2.75	8.15	7.07	2.97
	32	24	8.65	7.57	2.03	8.65	7.34	2.37	8.65	7.15	2.55	8.65	6.94	2.77	8.31	6.77	2.99
M	20	14	5.08	5.25	1.05	5.08	5.25	1.23	5.08	5.25	1.32	5.08	5.25	1.44	5.08	5.25	1.55
	23	16	6.18	6.15	1.35	6.18	6.15	1.59	6.18	6.15	1.70	6.18	6.15	1.85	6.18	6.15	2.00
	26	18	6.99	6.72	1.61	6.99	6.72	1.89	6.99	6.72	2.03	6.99	6.72	2.20	6.99	6.72	2.38
	27	19	7.82	7.18	1.89	7.82	7.18	2.21	7.82	7.18	2.37	7.82	7.18	2.58	7.51	6.99	2.78
	30	22	8.05	7.44	1.91	8.05	7.26	2.23	8.05	7.04	2.40	8.05	6.88	2.61	7.73	6.71	2.82
	32	24	8.21	7.18	1.92	8.21	6.96	2.25	8.21	6.78	2.42	8.21	6.59	2.63	7.88	6.42	2.84
L	20	14	4.97	5.13	1.03	4.97	5.13	1.21	4.97	5.13	1.30	4.97	5.13	1.41	4.97	5.13	1.52
	23	16	6.04	6.02	1.33	6.04	6.02	1.55	6.04	6.02	1.67	6.04	6.02	1.81	6.04	6.02	1.95
	26	18	6.84	6.58	1.58	6.84	6.58	1.85	6.84	6.58	1.98	6.84	6.58	2.15	6.84	6.58	2.33
	27	19	7.65	7.02	1.85	7.65	7.02	2.16	7.65	7.02	2.32	7.65	7.02	2.52	7.34	6.84	2.72
	30	22	7.88	7.27	1.87	7.88	7.10	2.19	7.88	6.89	2.35	7.88	6.73	2.55	7.56	6.56	2.75
	32	24	8.03	7.03	1.88	8.03	6.81	2.20	8.03	6.63	2.36	8.03	6.44	2.57	7.71	6.28	2.77

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	-11.0	6.47	2.17	6.45	2.23	6.43	2.31	6.43	2.40	6.40	2.47
	-5	-5.6	7.21	2.31	7.19	2.37	7.17	2.45	7.17	2.52	7.15	2.57
	0	-0.7	7.95	2.43	7.93	2.48	7.91	2.55	7.91	2.62	7.89	2.66
	7	6.0	8.84	2.55	8.82	2.60	8.80	2.65	8.46	2.56	7.98	2.40
	10	8.0	9.11	2.62	9.09	2.65	8.80	2.60	8.46	2.39	7.98	2.24
H	-10	-11.0	6.27	2.10	6.25	2.17	6.23	2.24	6.23	2.33	6.21	2.39
	-5	-5.6	6.99	2.24	6.97	2.30	6.95	2.37	6.95	2.44	6.93	2.49
	0	-0.7	7.71	2.36	7.69	2.40	7.67	2.47	7.67	2.54	7.65	2.58
	7	6.0	8.58	2.47	8.56	2.52	8.54	2.57	8.21	2.49	7.74	2.33
	10	8.0	8.83	2.54	8.81	2.57	8.54	2.52	8.21	2.31	7.74	2.17

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
M	-10	-11.0	5.95	2.00	5.93	2.06	5.91	2.13	5.91	2.21	5.89	2.27
	-5	-5.6	6.63	2.13	6.61	2.18	6.59	2.25	6.59	2.32	6.57	2.37
	0	-0.7	7.32	2.24	7.30	2.28	7.28	2.35	7.28	2.41	7.26	2.45
	7	6.0	8.14	2.35	8.12	2.39	8.10	2.44	7.78	2.36	7.34	2.21
	10	8.0	8.38	2.41	8.36	2.44	8.10	2.39	7.78	2.20	7.34	2.06
L	-10	-11.0	5.82	1.95	5.80	2.01	5.78	2.08	5.78	2.16	5.76	2.22
	-5	-5.6	6.49	2.08	6.47	2.14	6.45	2.20	6.45	2.27	6.43	2.31
	0	-0.7	7.16	2.19	7.14	2.23	7.12	2.30	7.12	2.36	7.10	2.40
	7	6.0	7.96	2.30	7.94	2.34	7.92	2.39	7.62	2.31	7.18	2.16
	10	8.0	8.20	2.36	8.18	2.39	7.92	2.34	7.62	2.15	7.18	2.02

Note:

DB: Dry bulb temp.
WB: Wet bulb temp.
TC: Total cooling(heating) capacity.
SHC: Sensible capacity
PI: Power input.

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

Cooling	Heating	Equivalent Piping Length
Indoor:27℃ /19℃ Outdoor:35℃	Indoor:20℃ Outdoor:7℃ /6℃	5m

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

3. The green table shows nominal MAX capacities.

GUD100T/A-T
Cooling

Fan Speed	Indoor Air Temperature ℃		Outdoor Dry Bulb Temperature ℃														
			20			25			30			35			40		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	20	14	6.55	5.58	1.29	6.55	5.58	1.52	6.55	5.58	1.63	6.55	5.58	1.77	6.55	5.58	1.91
	23	16	7.97	6.54	1.67	7.97	6.54	1.95	7.97	6.54	2.09	7.97	6.54	2.27	7.97	6.54	2.46
	26	18	9.02	7.15	1.98	9.02	7.15	2.32	9.02	7.15	2.49	9.02	7.15	2.71	9.02	7.15	2.92
	27	19	10.09	7.63	2.32	10.09	7.63	2.71	10.09	7.63	2.91	10.00	7.63	3.15	9.69	7.44	3.42
	30	22	10.40	7.91	2.35	10.40	7.72	2.75	10.40	7.49	2.95	10.40	7.32	3.20	9.98	7.13	3.46
	32	24	10.59	7.64	2.36	10.59	7.41	2.76	10.59	7.21	2.97	10.59	7.00	3.23	10.17	6.83	3.48
H	20	14	6.36	5.41	1.26	6.36	5.41	1.47	6.36	5.41	1.58	6.36	5.41	1.72	6.36	5.41	1.85
	23	16	7.74	6.35	1.62	7.74	6.35	1.89	7.74	6.35	2.03	7.74	6.35	2.21	7.74	6.35	2.38
	26	18	8.75	6.93	1.92	8.75	6.93	2.25	8.75	6.93	2.42	8.75	6.93	2.62	8.75	6.93	2.83
	27	19	9.79	7.40	2.25	9.79	7.40	2.63	9.79	7.40	2.83	9.79	7.40	3.07	9.40	7.22	3.32
	30	22	10.08	7.67	2.28	10.08	7.49	2.66	10.08	7.27	2.86	10.08	7.10	3.11	9.68	6.92	3.36
	32	24	10.28	7.41	2.29	10.28	7.18	2.68	10.28	6.99	2.88	10.28	6.79	3.13	9.87	6.62	3.38

Fan Speed	Indoor Air Temperature ℃		Outdoor Dry Bulb Temperature ℃														
			20			25			30			35			40		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
M	20	14	6.03	5.13	1.19	6.03	5.13	1.39	6.03	5.13	1.50	6.03	5.13	1.63	6.03	5.13	1.76
	23	16	7.34	6.02	1.53	7.34	6.02	1.79	7.34	6.02	1.93	7.34	6.02	2.09	7.34	6.02	2.26
	26	18	8.30	6.58	1.82	8.30	6.58	2.13	8.30	6.58	2.29	8.30	6.58	2.49	8.30	6.58	2.69
	27	19	9.29	7.02	2.13	9.29	7.02	2.50	9.29	7.02	2.68	9.29	7.02	2.91	8.91	6.84	3.15
	30	22	9.56	7.28	2.16	9.56	7.10	2.53	9.56	6.89	2.71	9.56	6.73	2.95	9.18	6.56	3.18
	32	24	9.75	7.03	2.17	9.75	6.81	2.54	9.75	6.63	2.73	9.75	6.44	2.97	9.36	6.28	3.21
L	20	14	5.90	5.02	1.17	5.90	5.02	1.36	5.90	5.02	1.46	5.90	5.02	1.59	5.90	5.02	1.72
	23	16	7.18	5.89	1.50	7.18	5.89	1.75	7.18	5.89	1.88	7.18	5.89	2.05	7.18	5.89	2.21
	26	18	8.12	6.43	1.78	8.12	6.43	2.09	8.12	6.43	2.24	8.12	6.43	2.44	8.12	6.43	2.63
	27	19	9.08	6.87	2.09	9.08	6.87	2.44	9.08	6.87	2.62	9.08	6.87	2.85	8.72	6.70	3.08
	30	22	9.36	7.12	2.11	9.36	6.95	2.47	9.36	6.74	2.65	9.36	6.59	2.88	8.98	6.42	3.11
	32	24	9.53	6.88	2.13	9.53	6.67	2.49	9.53	6.49	2.67	9.53	6.30	2.90	9.15	6.14	3.14

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	-11.0	8.82	2.91	8.79	2.99	8.76	3.10	8.76	3.21	8.73	3.30
	-5	-5.6	9.83	3.10	9.80	3.18	9.77	3.28	9.77	3.37	9.75	3.44
	0	-0.7	10.84	3.26	10.82	3.32	10.78	3.42	10.78	3.51	10.76	3.57
	7	6.0	12.06	3.42	12.03	3.48	12.00	3.55	11.54	3.43	10.88	3.21
	10	8.0	12.42	3.51	12.39	3.55	12.00	3.48	11.54	3.20	10.88	3.00
H	-10	-11.0	8.55	2.82	8.53	2.90	8.50	3.01	8.50	3.12	8.47	3.20
	-5	-5.6	9.54	3.01	9.51	3.08	9.48	3.18	9.48	3.27	9.45	3.34
	0	-0.7	10.52	3.16	10.49	3.22	10.46	3.31	10.46	3.40	10.43	3.46
	7	6.0	11.70	3.31	11.67	3.37	11.64	3.44	11.19	3.33	10.55	3.12
	10	8.0	12.05	3.40	12.02	3.44	11.64	3.38	11.19	3.10	10.55	2.91
M	-10	-11.0	8.11	2.67	8.09	2.75	8.06	2.85	8.06	2.96	8.03	3.04
	-5	-5.6	9.05	2.85	9.02	2.92	8.99	3.01	8.99	3.10	8.97	3.17
	0	-0.7	9.98	3.00	9.95	3.05	9.92	3.14	9.92	3.23	9.90	3.28
	7	6.0	11.09	3.14	11.07	3.20	11.04	3.27	10.62	3.16	10.01	2.96
	10	8.0	11.43	3.23	11.40	3.27	11.04	3.20	10.62	2.94	10.01	2.76
L	-10	-11.0	7.94	2.61	7.91	2.69	7.89	2.79	7.89	2.89	7.86	2.97
	-5	-5.6	8.85	2.79	8.82	2.86	8.80	2.95	8.80	3.04	8.77	3.10
	0	-0.7	9.76	2.93	9.73	2.99	9.71	3.08	9.71	3.16	9.68	3.21
	7	6.0	10.85	3.08	10.83	3.13	10.80	3.20	10.39	3.09	9.79	2.89
	10	8.0	11.18	3.16	11.15	3.20	10.80	3.13	10.39	2.88	9.79	2.70

Note:

DB: Dry bulb temp.
WB: Wet bulb temp.
TC: Total cooling(heating) capacity.
SHC: Sensible capacity
PI: Power input.

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

Cooling	Heating	Equivalent Piping Length
Indoor:27℃ /19℃ Outdoor:35℃	Indoor:20℃ Outdoor:7℃ /6℃	5m

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

3. The green table shows nominal MAX capacities.

GUD125T/A-T
Cooling

Fan Speed	Indoor Air Temperature ℃		Outdoor Dry Bulb Temperature ℃														
			20			25			30			35			40		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	20	14	7.86	6.89	1.68	7.86	6.89	1.96	7.86	6.89	2.11	7.86	6.89	2.29	7.86	6.89	2.47
	23	16	9.56	8.09	2.16	9.56	8.09	2.52	9.56	8.09	2.71	9.56	8.09	2.94	9.56	8.09	3.18
	26	18	10.81	8.83	2.57	10.81	8.83	3.00	10.81	8.83	3.22	10.81	8.83	3.50	10.81	8.83	3.78
	27	19	12.10	9.43	3.00	12.10	9.43	3.51	12.10	9.43	3.77	12.10	9.43	4.10	11.62	9.19	4.43
	30	22	12.46	9.77	3.04	12.46	9.53	3.56	12.46	9.26	3.82	12.46	9.04	4.15	11.97	8.81	4.48
	32	24	12.70	9.44	3.06	12.70	9.15	3.58	12.70	8.91	3.84	12.70	8.65	4.18	12.19	8.44	4.51
H	20	14	7.62	6.69	1.63	7.62	6.69	1.90	7.62	6.69	2.04	7.62	6.69	2.22	7.62	6.69	2.40
	23	16	9.27	7.84	2.09	9.27	7.84	2.45	9.27	7.84	2.63	9.27	7.84	2.86	9.27	7.84	3.08
	26	18	10.49	8.57	2.49	10.49	8.57	2.91	10.49	8.57	3.13	10.49	8.57	3.40	10.49	8.57	3.67
	27	19	11.74	9.15	2.91	11.74	9.15	3.41	11.74	9.15	3.66	11.74	9.15	3.98	11.27	8.92	4.30
	30	22	12.09	9.48	2.95	12.09	9.25	3.45	12.09	8.98	3.70	12.09	8.77	4.02	11.61	8.55	4.35
	32	24	12.32	9.16	2.97	12.32	8.88	3.47	12.32	8.64	3.73	12.32	8.39	4.05	11.83	8.18	4.38
M	20	14	7.23	6.34	1.54	7.23	6.34	1.81	7.23	6.34	1.94	7.23	6.34	2.11	7.23	6.34	2.28
	23	16	8.80	7.44	1.98	8.80	7.44	2.32	8.80	7.44	2.49	8.80	7.44	2.71	8.80	7.44	2.93
	26	18	9.95	8.13	2.36	9.95	8.13	2.76	9.95	8.13	2.97	9.95	8.13	3.22	9.95	8.13	3.48
	27	19	11.13	8.67	2.76	11.13	8.67	3.23	11.13	8.67	3.47	11.13	8.67	3.77	10.69	8.46	4.07
	30	22	11.47	8.99	2.80	11.47	8.77	3.27	11.47	8.52	3.51	11.47	8.32	3.82	11.01	8.11	4.12
	32	24	11.68	8.68	2.82	11.68	8.42	3.29	11.68	8.20	3.54	11.68	7.96	3.84	11.22	7.76	4.15
L	20	14	7.07	6.20	1.51	7.07	6.20	1.77	7.07	6.20	1.90	7.07	6.20	2.06	7.07	6.20	2.23
	23	16	8.60	7.28	1.94	8.60	7.28	2.27	8.60	7.28	2.44	8.60	7.28	2.65	8.60	7.28	2.86
	26	18	9.73	7.95	2.31	9.73	7.95	2.70	9.73	7.95	2.90	9.73	7.95	3.15	9.73	7.95	3.41
	27	19	10.89	8.49	2.70	10.89	8.49	3.16	10.89	8.49	3.40	10.89	8.49	3.69	10.46	8.27	3.99
	30	22	11.22	8.79	2.73	11.22	8.58	3.20	11.22	8.33	3.44	11.22	8.14	3.73	10.77	7.93	4.03
	32	24	11.43	8.49	2.75	11.43	8.23	3.22	11.43	8.02	3.46	11.43	7.79	3.76	10.97	7.59	4.06

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	-11.0	9.92	3.44	9.89	3.54	9.86	3.67	9.86	3.80	9.82	3.91
	-5	-5.6	11.06	3.67	11.03	3.76	11.00	3.88	11.00	3.99	10.96	4.07
	0	-0.7	12.20	3.85	12.17	3.93	12.13	4.04	12.13	4.15	12.10	4.22
	7	6.0	13.57	4.04	13.53	4.12	13.50	4.20	12.98	4.06	12.24	3.80
	10	8.0	13.97	4.15	13.94	4.20	13.50	4.12	12.98	3.78	12.24	3.55
H	-10	-11.0	9.62	3.33	9.59	3.43	9.56	3.56	9.56	3.69	9.53	3.79
	-5	-5.6	10.73	3.56	10.70	3.65	10.67	3.76	10.67	3.87	10.63	3.95
	0	-0.7	11.83	3.74	11.80	3.81	11.77	3.92	11.77	4.02	11.74	4.09
	7	6.0	13.16	3.92	13.13	3.99	13.10	4.07	12.59	3.94	11.87	3.69
	10	8.0	13.55	4.02	13.52	4.08	13.10	3.99	12.59	3.67	11.87	3.45
M	-10	-11.0	9.13	3.16	9.10	3.26	9.07	3.37	9.07	3.50	9.04	3.60
	-5	-5.6	10.18	3.37	10.14	3.46	10.12	3.57	10.12	3.67	10.09	3.75
	0	-0.7	11.22	3.55	11.19	3.61	11.16	3.72	11.16	3.82	11.13	3.88
	7	6.0	12.48	3.72	12.45	3.79	12.42	3.86	11.94	3.74	11.26	3.50
	10	8.0	12.85	3.82	12.82	3.87	12.42	3.79	11.94	3.48	11.26	3.27
L	-10	-11.0	8.93	3.09	8.90	3.19	8.87	3.30	8.87	3.42	8.84	3.52
	-5	-5.6	9.96	3.30	9.92	3.38	9.90	3.49	9.90	3.59	9.87	3.67
	0	-0.7	10.98	3.47	10.95	3.53	10.92	3.64	10.92	3.73	10.89	3.80
	7	6.0	12.21	3.64	12.18	3.70	12.15	3.78	11.68	3.66	11.01	3.42
	10	8.0	12.57	3.73	12.54	3.78	12.15	3.71	11.68	3.40	11.01	3.20

Note:

DB: Dry bulb temp.
WB: Wet bulb temp.
TC: Total cooling(heating) capacity.
SHC: Sensible capacity
PI: Power input.

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

Cooling	Heating	Equivalent Piping Length
Indoor:27℃ /19℃ Outdoor:35℃	Indoor:20℃ Outdoor:7℃ /6℃	5m

2. Capacities are net , including a deduction for cooling(an addition for heating) for indoor fan motor heat.
3. The green table shows nominal MAX capacities.

GUD140T/A-T

Cooling

Fan Speed	Indoor Air Temperature °C		Outdoor Dry Bulb Temperature °C														
			20			25			30			35			40		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	20	14	8.70	7.38	1.90	8.70	7.38	2.23	8.70	7.38	2.39	8.70	7.38	2.60	8.70	7.38	2.80
	23	16	10.59	8.66	2.45	10.59	8.66	2.86	10.59	8.66	3.07	10.59	8.66	3.34	10.59	8.66	3.61
	26	18	11.97	9.46	2.91	11.97	9.46	3.41	11.97	9.46	3.66	11.97	9.46	3.97	11.97	9.46	4.29
	27	19	13.40	10.10	3.41	13.40	10.10	3.98	13.40	10.10	4.28	13.40	10.10	4.65	12.86	9.85	5.02
	30	22	13.80	10.47	3.45	13.80	10.21	4.03	13.80	9.91	4.33	13.80	9.69	4.71	13.25	9.44	5.08
	32	24	14.06	10.11	3.47	14.06	9.80	4.06	14.06	9.54	4.36	14.06	9.27	4.74	13.50	9.04	5.12
H	20	14	8.44	7.16	1.84	8.44	7.16	2.16	8.44	7.16	2.32	8.44	7.16	2.52	8.44	7.16	2.72
	23	16	10.27	8.40	2.37	10.27	8.40	2.78	10.27	8.40	2.98	10.27	8.40	3.24	10.27	8.40	3.50
	26	18	11.62	9.18	2.82	11.62	9.18	3.30	11.62	9.18	3.55	11.62	9.18	3.86	11.62	9.18	4.16
	27	19	13.00	9.80	3.30	13.00	9.80	3.86	13.00	9.80	4.15	13.00	9.80	4.51	12.48	9.55	4.87
	30	22	13.39	10.15	3.34	13.39	9.91	3.91	13.39	9.62	4.20	13.39	9.40	4.56	12.85	9.16	4.93
	32	24	13.64	9.81	3.37	13.64	9.51	3.94	13.64	9.26	4.23	13.64	8.99	4.60	13.10	8.76	4.96
M	20	14	8.00	6.79	1.75	8.00	6.79	2.05	8.00	6.79	2.20	8.00	6.79	2.39	8.00	6.79	2.58
	23	16	9.74	7.97	2.25	9.74	7.97	2.63	9.74	7.97	2.83	9.74	7.97	3.07	9.74	7.97	3.32
	26	18	11.02	8.70	2.68	11.02	8.70	3.13	11.02	8.70	3.36	11.02	8.70	3.66	11.02	8.70	3.95
	27	19	12.33	9.29	3.13	12.33	9.29	3.67	12.33	9.29	3.94	12.33	9.29	4.28	11.84	9.06	4.62
	30	22	12.70	9.63	3.17	12.70	9.40	3.71	12.70	9.12	3.98	12.70	8.91	4.33	12.19	8.69	4.68
	32	24	12.94	9.30	3.19	12.94	9.02	3.74	12.94	8.78	4.01	12.94	8.53	4.36	12.42	8.31	4.71
L	20	14	7.83	6.65	1.71	7.83	6.65	2.00	7.83	6.65	2.15	7.83	6.65	2.34	7.83	6.65	2.52
	23	16	9.53	7.79	2.20	9.53	7.79	2.58	9.53	7.79	2.77	9.53	7.79	3.01	9.53	7.79	3.25
	26	18	10.78	8.51	2.62	10.78	8.51	3.06	10.78	8.51	3.29	10.78	8.51	3.58	10.78	8.51	3.86
	27	19	12.06	9.09	3.06	12.06	9.09	3.59	12.06	9.09	3.85	12.06	9.09	4.19	11.58	8.86	4.52
	30	22	12.42	9.42	3.10	12.42	9.19	3.63	12.42	8.92	3.90	12.42	8.72	4.24	11.93	8.50	4.57
	32	24	12.66	9.10	3.12	12.66	8.82	3.65	12.66	8.59	3.92	12.66	8.34	4.26	12.15	8.13	4.61

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	-11.0	11.39	3.56	11.35	3.67	11.32	3.80	11.32	3.94	11.28	4.05
	-5	-5.6	12.70	3.80	12.66	3.89	12.62	4.01	12.62	4.13	12.59	4.22
	0	-0.7	14.01	3.99	13.97	4.07	13.93	4.19	13.93	4.30	13.89	4.37
	7	6.0	15.58	4.19	15.54	4.26	15.50	4.35	14.90	4.21	14.05	3.94
	10	8.0	16.04	4.30	16.00	4.35	15.50	4.26	14.90	3.92	14.05	3.68
H	-10	-11.0	11.05	3.45	11.01	3.56	10.98	3.68	10.98	3.82	10.94	3.93
	-5	-5.6	12.32	3.68	12.28	3.78	12.25	3.89	12.25	4.01	12.21	4.09
	0	-0.7	13.59	3.87	13.55	3.95	13.51	4.06	13.51	4.17	13.48	4.24
	7	6.0	15.11	4.06	15.07	4.14	15.04	4.22	14.46	4.08	13.63	3.82
	10	8.0	15.56	4.17	15.52	4.22	15.04	4.14	14.46	3.80	13.63	3.57

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
M	-10	-11.0	10.48	3.28	10.45	3.37	10.41	3.49	10.41	3.62	10.38	3.72
	-5	-5.6	11.68	3.49	11.65	3.58	11.61	3.69	11.61	3.80	11.58	3.88
	0	-0.7	12.89	3.67	12.85	3.74	12.82	3.85	12.82	3.95	12.78	4.02
	7	6.0	14.33	3.85	14.30	3.92	14.26	4.00	13.71	3.87	12.93	3.62
	10	8.0	14.76	3.95	14.72	4.00	14.26	3.92	13.71	3.60	12.93	3.38
L	-10	-11.0	10.25	3.20	10.22	3.30	10.19	3.42	10.19	3.54	10.15	3.64
	-5	-5.6	11.43	3.42	11.39	3.51	11.36	3.61	11.36	3.72	11.33	3.80
	0	-0.7	12.61	3.59	12.57	3.66	12.54	3.77	12.54	3.87	12.50	3.93
	7	6.0	14.02	3.77	13.99	3.84	13.95	3.92	13.41	3.79	12.64	3.54
	10	8.0	14.44	3.87	14.40	3.92	13.95	3.84	13.41	3.53	12.64	3.31

Note:

DB: Dry bulb temp.
WB: Wet bulb temp.
TC: Total cooling(heating) capacity.
SHC: Sensible capacity
PI: Power input.

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

Cooling	Heating	Equivalent Piping Length
Indoor:27℃ /19℃ Outdoor:35℃	Indoor:20℃ Outdoor:7℃ /6℃	7.5m

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

3. The green table shows nominal MAX capacities.

GUD160T/A-T
Cooling

Fan Speed	Indoor Air Temperature ℃		Outdoor Dry Bulb Temperature ℃														
			20			25			30			35			40		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	20	14	9.41	7.77	2.25	9.41	7.77	2.63	9.41	7.77	2.83	9.41	7.77	3.07	9.41	7.77	3.32
	23	16	11.46	9.12	2.89	11.46	9.12	3.38	11.46	9.12	3.64	11.46	9.12	3.95	11.46	9.12	4.27
	26	18	12.96	9.96	3.44	12.96	9.96	4.03	12.96	9.96	4.33	12.96	9.96	4.70	12.96	9.96	5.08
	27	19	14.50	10.63	4.03	14.50	10.63	4.71	14.50	10.63	5.06	14.50	10.63	5.50	13.92	10.36	5.94
	30	22	14.94	11.02	4.08	14.94	10.75	4.77	14.94	10.43	5.12	14.94	10.19	5.57	14.34	9.94	6.01
	32	24	15.22	10.64	4.10	15.22	10.32	4.80	15.22	10.04	5.16	15.22	9.76	5.60	14.61	9.51	6.05
H	20	14	9.13	7.54	2.18	9.13	7.54	2.55	9.13	7.54	2.74	9.13	7.54	2.98	9.13	7.54	3.22
	23	16	11.11	8.84	2.81	11.11	8.84	3.28	11.11	8.84	3.53	11.11	8.84	3.83	11.11	8.84	4.14
	26	18	12.57	9.66	3.34	12.57	9.66	3.91	12.57	9.66	4.20	12.57	9.66	4.56	12.57	9.66	4.92
	27	19	14.07	10.31	3.91	14.07	10.31	4.57	14.07	10.31	4.91	14.07	10.31	5.34	13.50	10.05	5.76
	30	22	14.49	10.69	3.95	14.49	10.43	4.63	14.49	10.12	4.97	14.49	9.89	5.40	13.91	9.64	5.83
	32	24	14.76	10.32	3.98	14.76	10.01	4.66	14.76	9.74	5.00	14.76	9.46	5.44	14.17	9.22	5.87

Fan Speed	Indoor Air Temperature ℃		Outdoor Dry Bulb Temperature ℃														
			20			25			30			35			40		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
M	20	14	8.66	7.15	2.07	8.66	7.15	2.42	8.66	7.15	2.60	8.66	7.15	2.83	8.66	7.15	3.05
	23	16	10.54	8.39	2.66	10.54	8.39	3.11	10.54	8.39	3.34	10.54	8.39	3.63	10.54	8.39	3.93
	26	18	11.92	9.16	3.17	11.92	9.16	3.71	11.92	9.16	3.98	11.92	9.16	4.32	11.92	9.16	4.67
	27	19	13.34	9.78	3.71	13.34	9.78	4.34	13.34	9.78	4.66	13.34	9.78	5.06	12.81	9.53	5.46
	30	22	13.74	10.13	3.75	13.74	9.89	4.39	13.74	9.60	4.71	13.74	9.38	5.12	13.19	9.14	5.53
	32	24	14.00	9.79	3.78	14.00	9.49	4.42	14.00	9.24	4.75	14.00	8.98	5.16	13.44	8.75	5.57
L	20	14	8.47	6.99	2.02	8.47	6.99	2.37	8.47	6.99	2.54	8.47	6.99	2.76	8.47	6.99	2.99
	23	16	10.31	8.20	2.60	10.31	8.20	3.05	10.31	8.20	3.27	10.31	8.20	3.56	10.31	8.20	3.84
	26	18	11.66	8.96	3.10	11.66	8.96	3.62	11.66	8.96	3.89	11.66	8.96	4.23	11.66	8.96	4.57
	27	19	13.05	9.57	3.62	13.05	9.57	4.24	13.05	9.57	4.56	13.05	9.57	4.95	12.53	9.33	5.35
	30	22	13.44	9.91	3.67	13.44	9.67	4.29	13.44	9.39	4.61	13.44	9.17	5.01	12.90	8.94	5.41
	32	24	13.70	9.58	3.69	13.70	9.28	4.32	13.70	9.04	4.64	13.70	8.78	5.04	13.15	8.56	5.45

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	-11.0	12.49	3.93	12.45	4.05	12.41	4.19	12.41	4.35	12.37	4.47
	-5	-5.6	13.93	4.19	13.89	4.30	13.85	4.43	13.85	4.56	13.81	4.66
	0	-0.7	15.36	4.41	15.32	4.49	15.28	4.62	15.28	4.74	15.24	4.82
	7	6.0	17.08	4.62	17.04	4.70	17.00	4.80	16.35	4.64	15.41	4.35
	10	8.0	17.59	4.74	17.55	4.80	17.00	4.71	16.35	4.32	15.41	4.06
H	-10	-11.0	12.12	3.81	12.08	3.92	12.04	4.06	12.04	4.22	12.00	4.33
	-5	-5.6	13.51	4.06	13.47	4.17	13.43	4.30	13.43	4.42	13.39	4.52
	0	-0.7	14.90	4.27	14.86	4.35	14.82	4.48	14.82	4.60	14.78	4.68
	7	6.0	16.57	4.48	16.53	4.56	16.49	4.66	15.86	4.51	14.95	4.21
	10	8.0	17.07	4.60	17.03	4.66	16.49	4.56	15.86	4.19	14.95	3.94
M	-10	-11.0	11.49	3.61	11.46	3.72	11.42	3.85	11.42	4.00	11.38	4.11
	-5	-5.6	12.81	3.85	12.77	3.95	12.74	4.07	12.74	4.20	12.70	4.28
	0	-0.7	14.13	4.05	14.10	4.13	14.06	4.25	14.06	4.36	14.02	4.44
	7	6.0	15.72	4.25	15.68	4.33	15.64	4.42	15.04	4.27	14.18	4.00
	10	8.0	16.19	4.36	16.15	4.42	15.64	4.33	15.04	3.98	14.18	3.73
L	-10	-11.0	11.24	3.54	11.21	3.64	11.17	3.77	11.17	3.91	11.13	4.02
	-5	-5.6	12.54	3.77	12.50	3.87	12.46	3.99	12.46	4.10	12.43	4.19
	0	-0.7	13.83	3.96	13.79	4.04	13.75	4.16	13.75	4.27	13.71	4.34
	7	6.0	15.37	4.16	15.34	4.23	15.30	4.32	14.71	4.18	13.87	3.91
	10	8.0	15.83	4.27	15.80	4.32	15.30	4.24	14.71	3.89	13.87	3.65

Note:

DB: Dry bulb temp.
WB: Wet bulb temp.
TC: Total cooling(heating) capacity.
SHC: Sensible capacity
PI: Power input.

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

Cooling	Heating	Equivalent Piping Length
Indoor:27℃ /19℃ Outdoor:35℃	Indoor:20℃ Outdoor:7℃ /6℃	7.5m

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

3. The green table shows nominal MAX capacities.

6.1.2 Duct Type

GUD35P/A-T、GUD35PS/A-T
Cooling

Fan Speed	Indoor Air Temperature ℃		Outdoor Dry Bulb Temperature ℃														
			20			25			30			35			40		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	20	14	2.27	2.07	0.39	2.27	2.07	0.45	2.27	2.07	0.49	2.27	2.07	0.53	2.27	2.07	0.57
	23	16	2.77	2.42	0.50	2.77	2.42	0.58	2.77	2.42	0.63	2.77	2.42	0.68	2.77	2.42	0.74
	26	18	3.13	2.65	0.59	3.13	2.65	0.69	3.13	2.65	0.75	3.13	2.65	0.81	3.13	2.65	0.88
	27	19	3.50	2.83	0.69	3.50	2.83	0.81	3.50	2.83	0.87	3.50	2.83	0.95	3.36	2.75	1.02
	30	22	3.61	2.93	0.70	3.61	2.86	0.82	3.61	2.77	0.88	3.61	2.71	0.96	3.46	2.64	1.04
	32	24	3.67	2.83	0.71	3.67	2.74	0.83	3.67	2.67	0.89	3.67	2.59	0.97	3.53	2.53	1.04
H	20	14	2.20	2.00	0.38	2.20	2.00	0.44	2.20	2.00	0.47	2.20	2.00	0.51	2.20	2.00	0.55
	23	16	2.68	2.35	0.48	2.68	2.35	0.57	2.68	2.35	0.61	2.68	2.35	0.66	2.68	2.35	0.71
	26	18	3.03	2.57	0.58	3.03	2.57	0.67	3.03	2.57	0.72	3.03	2.57	0.79	3.03	2.57	0.85
	27	19	3.40	2.74	0.67	3.40	2.74	0.79	3.40	2.74	0.85	3.40	2.74	0.92	3.26	2.67	0.99
	30	22	3.50	2.84	0.68	3.50	2.77	0.80	3.50	2.69	0.86	3.50	2.63	0.93	3.36	2.56	1.01
	32	24	3.56	2.74	0.69	3.56	2.66	0.80	3.56	2.59	0.86	3.56	2.51	0.94	3.42	2.45	1.01
M	20	14	2.09	1.90	0.36	2.09	1.90	0.42	2.09	1.90	0.45	2.09	1.90	0.49	2.09	1.90	0.53
	23	16	2.54	2.23	0.46	2.54	2.23	0.54	2.54	2.23	0.58	2.54	2.23	0.63	2.54	2.23	0.68
	26	18	2.88	2.43	0.55	2.88	2.43	0.64	2.88	2.43	0.69	2.88	2.43	0.75	2.88	2.43	0.81
	27	19	3.22	2.60	0.64	3.22	2.60	0.75	3.22	2.60	0.80	3.22	2.60	0.87	3.09	2.53	0.94
	30	22	3.32	2.69	0.65	3.32	2.63	0.76	3.32	2.55	0.81	3.32	2.49	0.88	3.18	2.43	0.95
	32	24	3.38	2.60	0.65	3.38	2.52	0.76	3.38	2.46	0.82	3.38	2.39	0.89	3.24	2.33	0.96
L	20	14	2.05	1.86	0.35	2.05	1.86	0.41	2.05	1.86	0.44	2.05	1.86	0.48	2.05	1.86	0.51
	23	16	2.49	2.18	0.45	2.49	2.18	0.53	2.49	2.18	0.56	2.49	2.18	0.61	2.49	2.18	0.66
	26	18	2.82	2.38	0.53	2.82	2.38	0.62	2.82	2.38	0.67	2.82	2.38	0.73	2.82	2.38	0.79
	27	19	3.15	2.54	0.62	3.15	2.54	0.73	3.15	2.54	0.79	3.15	2.54	0.85	3.02	2.48	0.92
	30	22	3.24	2.63	0.63	3.24	2.57	0.74	3.24	2.50	0.79	3.24	2.44	0.86	3.11	2.38	0.93
	32	24	3.31	2.55	0.64	3.31	2.47	0.74	3.31	2.40	0.80	3.31	2.33	0.87	3.17	2.27	0.94

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	-11.0	2.94	0.86	2.93	0.89	2.92	0.92	2.92	0.95	2.91	0.98
	-5	-5.6	3.28	0.92	3.27	0.94	3.26	0.97	3.26	1.00	3.25	1.02
	0	-0.7	3.61	0.96	3.61	0.98	3.59	1.01	3.59	1.04	3.59	1.06
	7	6.0	4.02	1.01	4.01	1.03	4.00	1.05	3.85	1.02	3.63	0.95
	10	8.0	4.14	1.04	4.13	1.05	4.00	1.03	3.85	0.95	3.63	0.89
H	-10	-11.0	2.85	0.83	2.84	0.86	2.83	0.89	2.83	0.92	2.82	0.95
	-5	-5.6	3.18	0.89	3.17	0.91	3.16	0.94	3.16	0.97	3.15	0.99
	0	-0.7	3.51	0.93	3.50	0.95	3.49	0.98	3.49	1.01	3.48	1.02
	7	6.0	3.90	0.98	3.89	1.00	3.88	1.02	3.73	0.99	3.52	0.92
	10	8.0	4.02	1.01	4.01	1.02	3.88	1.00	3.73	0.92	3.52	0.86
M	-10	-11.0	2.70	0.79	2.70	0.81	2.69	0.84	2.69	0.87	2.68	0.90
	-5	-5.6	3.02	0.84	3.01	0.86	3.00	0.89	3.00	0.92	2.99	0.94
	0	-0.7	3.33	0.89	3.32	0.90	3.31	0.93	3.31	0.95	3.30	0.97
	7	6.0	3.70	0.93	3.69	0.95	3.68	0.97	3.54	0.93	3.34	0.87
	10	8.0	3.81	0.95	3.80	0.97	3.68	0.95	3.54	0.87	3.34	0.82
L	-10	-11.0	2.65	0.77	2.64	0.80	2.63	0.82	2.63	0.86	2.62	0.88
	-5	-5.6	2.95	0.82	2.94	0.85	2.93	0.87	2.93	0.90	2.92	0.92
	0	-0.7	3.25	0.87	3.24	0.88	3.24	0.91	3.24	0.93	3.23	0.95
	7	6.0	3.62	0.91	3.61	0.93	3.60	0.95	3.46	0.91	3.26	0.86
	10	8.0	3.73	0.93	3.72	0.95	3.60	0.93	3.46	0.85	3.26	0.80

Note:

DB: Dry bulb temp.
WB: Wet bulb temp.
TC: Total cooling(heating) capacity.
SHC: Sensible capacity
PI: Power input.

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

Cooling	Heating	Equivalent Piping Length
Indoor:27℃ /19℃ Outdoor:35℃	Indoor:20℃ Outdoor:7℃ /6℃	5m

2. Capacities are net , including a deduction for cooling(an addition for heating) for indoor fan motor heat.
3. The green table shows nominal MAX capacities.

GUD50P/A-T、GUD50PS/A-T

Cooling

Fan Speed	Indoor Air Temperature ℃		Outdoor Dry Bulb Temperature ℃														
			20			25			30			35			40		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	20	14	3.25	2.78	0.63	3.25	2.78	0.74	3.25	2.78	0.80	3.25	2.78	0.87	3.25	2.78	0.93
	23	16	3.95	3.26	0.82	3.95	3.26	0.95	3.95	3.26	1.02	3.95	3.26	1.11	3.95	3.26	1.20
	26	18	4.47	3.56	0.97	4.47	3.56	1.14	4.47	3.56	1.22	4.47	3.56	1.32	4.47	3.56	1.43
	27	19	5.00	3.80	1.14	5.00	3.80	1.33	5.00	3.80	1.43	5.00	3.80	1.55	4.80	3.71	1.67
	30	22	5.15	3.94	1.15	5.15	3.85	1.34	5.15	3.73	1.44	5.15	3.65	1.57	4.94	3.56	1.69
	32	24	5.25	3.81	1.16	5.25	3.69	1.35	5.25	3.59	1.45	5.25	3.49	1.58	5.04	3.40	1.71
H	20	14	3.15	2.70	0.61	3.15	2.70	0.72	3.15	2.70	0.77	3.15	2.70	0.84	3.15	2.70	0.91
	23	16	3.83	3.16	0.79	3.83	3.16	0.93	3.83	3.16	0.99	3.83	3.16	1.08	3.83	3.16	1.17
	26	18	4.33	3.46	0.94	4.33	3.46	1.10	4.33	3.46	1.18	4.33	3.46	1.29	4.33	3.46	1.39
	27	19	4.85	3.69	1.10	4.85	3.69	1.29	4.85	3.69	1.38	4.85	3.69	1.50	4.66	3.60	1.62
	30	22	5.00	3.82	1.11	5.00	3.73	1.30	5.00	3.62	1.40	5.00	3.54	1.52	4.80	3.45	1.64
	32	24	5.09	3.69	1.12	5.09	3.58	1.31	5.09	3.49	1.41	5.09	3.39	1.53	4.89	3.30	1.65
M	20	14	2.99	2.56	0.58	2.99	2.56	0.68	2.99	2.56	0.73	2.99	2.56	0.80	2.99	2.56	0.86
	23	16	3.63	3.00	0.75	3.63	3.00	0.88	3.63	3.00	0.94	3.63	3.00	1.02	3.63	3.00	1.11
	26	18	4.11	3.28	0.89	4.11	3.28	1.04	4.11	3.28	1.12	4.11	3.28	1.22	4.11	3.28	1.32
	27	19	4.60	3.50	1.04	4.60	3.50	1.22	4.60	3.50	1.31	4.60	3.50	1.43	4.42	3.41	1.54
	30	22	4.74	3.63	1.06	4.74	3.54	1.24	4.74	3.44	1.33	4.74	3.36	1.44	4.55	3.27	1.56
	32	24	4.83	3.50	1.06	4.83	3.40	1.25	4.83	3.31	1.34	4.83	3.21	1.45	4.64	3.13	1.57
L	20	14	2.92	2.50	0.57	2.92	2.50	0.67	2.92	2.50	0.72	2.92	2.50	0.78	2.92	2.50	0.84
	23	16	3.56	2.94	0.73	3.56	2.94	0.86	3.56	2.94	0.92	3.56	2.94	1.00	3.56	2.94	1.08
	26	18	4.02	3.21	0.87	4.02	3.21	1.02	4.02	3.21	1.10	4.02	3.21	1.19	4.02	3.21	1.29
	27	19	4.50	3.42	1.02	4.50	3.42	1.20	4.50	3.42	1.28	4.50	3.42	1.40	4.32	3.34	1.51
	30	22	4.64	3.55	1.03	4.64	3.46	1.21	4.64	3.36	1.30	4.64	3.28	1.41	4.45	3.20	1.52
	32	24	4.72	3.43	1.04	4.72	3.32	1.22	4.72	3.23	1.31	4.72	3.14	1.42	4.53	3.06	1.54

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	-11.0	4.04	1.19	4.03	1.22	4.02	1.27	4.02	1.31	4.00	1.35
	-5	-5.6	4.51	1.27	4.49	1.30	4.48	1.34	4.48	1.38	4.47	1.41
	0	-0.7	4.97	1.33	4.96	1.36	4.94	1.40	4.94	1.43	4.93	1.46
	7	6.0	5.53	1.40	5.51	1.42	5.50	1.45	5.29	1.40	4.99	1.31
	10	8.0	5.69	1.43	5.68	1.45	5.50	1.42	5.29	1.31	4.99	1.23
H	-10	-11.0	3.92	1.15	3.91	1.19	3.90	1.23	3.90	1.27	3.88	1.31
	-5	-5.6	4.37	1.23	4.36	1.26	4.35	1.30	4.35	1.34	4.33	1.36
	0	-0.7	4.82	1.29	4.81	1.32	4.79	1.35	4.79	1.39	4.78	1.41
	7	6.0	5.36	1.35	5.35	1.38	5.34	1.41	5.13	1.36	4.84	1.27
	10	8.0	5.52	1.39	5.51	1.41	5.34	1.38	5.13	1.27	4.84	1.19

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
M	-10	-11.0	3.72	1.09	3.71	1.12	3.69	1.16	3.69	1.21	3.68	1.24
	-5	-5.6	4.15	1.16	4.13	1.19	4.12	1.23	4.12	1.27	4.11	1.29
	0	-0.7	4.57	1.22	4.56	1.25	4.55	1.28	4.55	1.32	4.54	1.34
	7	6.0	5.08	1.28	5.07	1.31	5.06	1.33	4.87	1.29	4.59	1.21
	10	8.0	5.24	1.32	5.22	1.33	5.06	1.31	4.87	1.20	4.59	1.13
L	-10	-11.0	3.64	1.07	3.63	1.10	3.61	1.14	3.61	1.18	3.60	1.21
	-5	-5.6	4.06	1.14	4.04	1.17	4.03	1.20	4.03	1.24	4.02	1.27
	0	-0.7	4.47	1.20	4.46	1.22	4.45	1.26	4.45	1.29	4.44	1.31
	7	6.0	4.97	1.26	4.96	1.28	4.95	1.31	4.76	1.26	4.49	1.18
	10	8.0	5.12	1.29	5.11	1.31	4.95	1.28	4.76	1.18	4.49	1.10

Note:

DB: Dry bulb temp.
WB: Wet bulb temp.
TC: Total cooling(heating) capacity.
SHC: Sensible capacity
PI: Power input.

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

Cooling	Heating	Equivalent Piping Length
Indoor:27℃ /19℃ Outdoor:35℃	Indoor:20℃ Outdoor:7℃ /6℃	5m

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

3. The green table shows nominal MAX capacities.

GUD71P/A-T、GUD71PS/A-T
Cooling

Fan Speed	Indoor Air Temperature ℃		Outdoor Dry Bulb Temperature ℃														
			20			25			30			35			40		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	20	14	4.68	4.09	0.85	4.68	4.09	0.99	4.68	4.09	1.07	4.68	4.09	1.16	4.68	4.09	1.25
	23	16	5.69	4.80	1.09	5.69	4.80	1.28	5.69	4.80	1.37	5.69	4.80	1.49	5.69	4.80	1.61
	26	18	6.44	5.24	1.30	6.44	5.24	1.52	6.44	5.24	1.63	6.44	5.24	1.77	6.44	5.24	1.92
	27	19	7.20	5.60	1.52	7.20	5.60	1.78	7.20	5.60	1.91	7.00	5.60	2.10	6.91	5.45	2.24
	30	22	7.42	5.80	1.54	7.42	5.66	1.80	7.42	5.49	1.93	7.42	5.37	2.10	7.12	5.23	2.27
	32	24	7.56	5.60	1.55	7.56	5.43	1.81	7.56	5.29	1.95	7.56	5.13	2.11	7.26	5.01	2.28
H	20	14	4.54	3.97	0.82	4.54	3.97	0.96	4.54	3.97	1.03	4.54	3.97	1.12	4.54	3.97	1.21
	23	16	5.52	4.65	1.06	5.52	4.65	1.24	5.52	4.65	1.33	5.52	4.65	1.45	5.52	4.65	1.56
	26	18	6.24	5.08	1.26	6.24	5.08	1.47	6.24	5.08	1.58	6.24	5.08	1.72	6.24	5.08	1.86
	27	19	6.98	5.43	1.47	6.98	5.43	1.72	6.98	5.43	1.85	6.98	5.43	2.01	6.71	5.29	2.17
	30	22	7.19	5.62	1.49	7.19	5.49	1.75	7.19	5.33	1.87	7.19	5.20	2.04	6.91	5.07	2.20
	32	24	7.33	5.43	1.50	7.33	5.27	1.76	7.33	5.13	1.89	7.33	4.98	2.05	7.04	4.86	2.22

Fan Speed	Indoor Air Temperature ˚C		Outdoor Dry Bulb Temperature ˚C														
			20			25			30			35			40		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
M	20	14	4.30	3.76	0.78	4.30	3.76	0.91	4.30	3.76	0.98	4.30	3.76	1.07	4.30	3.76	1.15
	23	16	5.23	4.41	1.00	5.23	4.41	1.17	5.23	4.41	1.26	5.23	4.41	1.37	5.23	4.41	1.48
	26	18	5.92	4.82	1.19	5.92	4.82	1.40	5.92	4.82	1.50	5.92	4.82	1.63	5.92	4.82	1.76
	27	19	6.62	5.15	1.40	6.62	5.15	1.64	6.62	5.15	1.76	6.62	5.15	1.91	6.36	5.02	2.06
	30	22	6.82	5.33	1.41	6.82	5.20	1.66	6.82	5.05	1.78	6.82	4.94	1.93	6.55	4.81	2.09
	32	24	6.95	5.15	1.42	6.95	4.99	1.67	6.95	4.86	1.79	6.95	4.72	1.95	6.68	4.60	2.10
L	20	14	4.21	3.68	0.76	4.21	3.68	0.89	4.21	3.68	0.96	4.21	3.68	1.04	4.21	3.68	1.13
	23	16	5.12	4.32	0.98	5.12	4.32	1.15	5.12	4.32	1.23	5.12	4.32	1.34	5.12	4.32	1.45
	26	18	5.79	4.72	1.17	5.79	4.72	1.37	5.79	4.72	1.47	5.79	4.72	1.60	5.79	4.72	1.72
	27	19	6.48	5.04	1.37	6.48	5.04	1.60	6.48	5.04	1.72	6.48	5.04	1.87	6.22	4.91	2.02
	30	22	6.68	5.22	1.38	6.68	5.09	1.62	6.68	4.94	1.74	6.68	4.83	1.89	6.41	4.71	2.04
	32	24	6.80	5.04	1.39	6.80	4.89	1.63	6.80	4.76	1.75	6.80	4.62	1.90	6.53	4.50	2.06

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	-11.0	5.88	1.84	5.86	1.90	5.84	1.96	5.84	2.04	5.82	2.09
	-5	-5.6	6.55	1.96	6.53	2.01	6.52	2.08	6.52	2.14	6.50	2.18
	0	-0.7	7.23	2.06	7.21	2.10	7.19	2.17	7.19	2.22	7.17	2.26
	7	6.0	8.04	2.17	8.02	2.21	8.00	2.25	7.69	2.18	7.25	2.04
	10	8.0	8.28	2.22	8.26	2.25	8.00	2.21	7.69	2.03	7.25	1.90
H	-10	-11.0	5.70	1.79	5.68	1.84	5.67	1.91	5.67	1.98	5.65	2.03
	-5	-5.6	6.36	1.91	6.34	1.95	6.32	2.01	6.32	2.07	6.30	2.12
	0	-0.7	7.01	2.00	6.99	2.04	6.97	2.10	6.97	2.16	6.96	2.19
	7	6.0	7.80	2.10	7.78	2.14	7.76	2.18	7.46	2.11	7.03	1.98
	10	8.0	8.03	2.16	8.01	2.18	7.76	2.14	7.46	1.97	7.03	1.85
M	-10	-11.0	5.41	1.69	5.39	1.74	5.37	1.81	5.37	1.87	5.36	1.93
	-5	-5.6	6.03	1.81	6.01	1.85	5.99	1.91	5.99	1.97	5.98	2.01
	0	-0.7	6.65	1.90	6.63	1.94	6.61	1.99	6.61	2.04	6.60	2.08
	7	6.0	7.40	1.99	7.38	2.03	7.36	2.07	7.08	2.00	6.67	1.87
	10	8.0	7.62	2.04	7.60	2.07	7.36	2.03	7.08	1.86	6.67	1.75
L	-10	-11.0	5.29	1.66	5.27	1.71	5.26	1.77	5.26	1.83	5.24	1.88
	-5	-5.6	5.90	1.77	5.88	1.81	5.86	1.87	5.86	1.92	5.85	1.96
	0	-0.7	6.51	1.86	6.49	1.89	6.47	1.95	6.47	2.00	6.45	2.04
	7	6.0	7.24	1.95	7.22	1.98	7.20	2.03	6.92	1.96	6.53	1.83
	10	8.0	7.45	2.00	7.43	2.03	7.20	1.99	6.92	1.82	6.53	1.71

Note:

DB: Dry bulb temp.
WB: Wet bulb temp.
TC: Total cooling(heating) capacity.
SHC: Sensible capacity
PI: Power input.

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

Cooling	Heating	Equivalent Piping Length
Indoor:27℃ /19℃ Outdoor:35℃	Indoor:20℃ Outdoor:7℃ /6℃	5m

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

3. The green table shows nominal MAX capacities.

GUD85P/A-T、GUD85PS/A-T

Cooling

Fan Speed	Indoor Air Temperature ℃		Outdoor Dry Bulb Temperature ℃														
			20			25			30			35			40		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	20	14	5.52	4.53	1.10	5.52	4.53	1.29	5.52	4.53	1.39	5.52	4.53	1.51	5.52	4.53	1.63
	23	16	6.72	5.32	1.42	6.72	5.32	1.66	6.72	5.32	1.78	6.72	5.32	1.94	6.72	5.32	2.09
	26	18	7.60	5.81	1.69	7.60	5.81	1.98	7.60	5.81	2.12	7.60	5.81	2.31	7.60	5.81	2.49
	27	19	8.50	6.20	1.98	8.50	6.20	2.31	8.50	6.20	2.48	8.50	6.20	2.70	8.16	6.04	2.92
	30	22	8.76	6.42	2.00	8.76	6.27	2.34	8.76	6.09	2.51	8.76	5.95	2.73	8.41	5.80	2.95
	32	24	8.92	6.21	2.01	8.92	6.02	2.36	8.92	5.86	2.53	8.92	5.69	2.75	8.57	5.55	2.97
H	20	14	5.35	4.40	1.07	5.35	4.40	1.25	5.35	4.40	1.35	5.35	4.40	1.46	5.35	4.40	1.58
	23	16	6.51	5.16	1.38	6.51	5.16	1.61	6.51	5.16	1.73	6.51	5.16	1.88	6.51	5.16	2.03
	26	18	7.37	5.63	1.64	7.37	5.63	1.92	7.37	5.63	2.06	7.37	5.63	2.24	7.37	5.63	2.42
	27	19	8.25	6.01	1.92	8.25	6.01	2.24	8.25	6.01	2.41	8.25	6.01	2.62	7.92	5.86	2.83
	30	22	8.49	6.23	1.94	8.49	6.08	2.27	8.49	5.90	2.44	8.49	5.77	2.65	8.15	5.62	2.86
	32	24	8.65	6.02	1.95	8.65	5.84	2.29	8.65	5.68	2.46	8.65	5.52	2.67	8.31	5.38	2.88
M	20	14	5.08	4.17	1.02	5.08	4.17	1.19	5.08	4.17	1.28	5.08	4.17	1.39	5.08	4.17	1.50
	23	16	6.18	4.89	1.31	6.18	4.89	1.53	6.18	4.89	1.64	6.18	4.89	1.78	6.18	4.89	1.93
	26	18	6.99	5.34	1.55	6.99	5.34	1.82	6.99	5.34	1.95	6.99	5.34	2.12	6.99	5.34	2.29
	27	19	7.82	5.70	1.82	7.82	5.70	2.13	7.82	5.70	2.29	7.82	5.70	2.48	7.51	5.56	2.68
	30	22	8.05	5.91	1.84	8.05	5.77	2.15	8.05	5.60	2.31	8.05	5.47	2.51	7.73	5.33	2.71
	32	24	8.21	5.71	1.85	8.21	5.53	2.17	8.21	5.39	2.33	8.21	5.23	2.53	7.88	5.10	2.73
L	20	14	4.97	4.08	0.99	4.97	4.08	1.16	4.97	4.08	1.25	4.97	4.08	1.36	4.97	4.08	1.47
	23	16	6.04	4.79	1.28	6.04	4.79	1.50	6.04	4.79	1.61	6.04	4.79	1.75	6.04	4.79	1.88
	26	18	6.84	5.23	1.52	6.84	5.23	1.78	6.84	5.23	1.91	6.84	5.23	2.08	6.84	5.23	2.24
	27	19	7.65	5.58	1.78	7.65	5.58	2.08	7.65	5.58	2.24	7.65	5.58	2.43	7.34	5.44	2.62
	30	22	7.88	5.78	1.80	7.88	5.64	2.11	7.88	5.48	2.26	7.88	5.35	2.46	7.56	5.22	2.66
	32	24	8.03	5.59	1.81	8.03	5.41	2.12	8.03	5.27	2.28	8.03	5.12	2.48	7.71	4.99	2.67

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	-11.0	6.47	2.17	6.45	2.23	6.43	2.31	6.43	2.40	6.40	2.47
	-5	-5.6	7.21	2.31	7.19	2.37	7.17	2.45	7.17	2.52	7.15	2.57
	0	-0.7	7.95	2.43	7.93	2.48	7.91	2.55	7.91	2.62	7.89	2.66
	7	6.0	8.84	2.55	8.82	2.60	8.80	2.65	8.46	2.56	7.98	2.40
	10	8.0	9.11	2.62	9.09	2.65	8.80	2.60	8.46	2.39	7.98	2.24
H	-10	-11.0	6.27	2.10	6.25	2.17	6.23	2.24	6.23	2.33	6.21	2.39
	-5	-5.6	6.99	2.24	6.97	2.30	6.95	2.37	6.95	2.44	6.93	2.49
	0	-0.7	7.71	2.36	7.69	2.40	7.67	2.47	7.67	2.54	7.65	2.58
	7	6.0	8.58	2.47	8.56	2.52	8.54	2.57	8.21	2.49	7.74	2.33
	10	8.0	8.83	2.54	8.81	2.57	8.54	2.52	8.21	2.31	7.74	2.17
M	-10	-11.0	5.95	2.00	5.93	2.06	5.91	2.13	5.91	2.21	5.89	2.27
	-5	-5.6	6.63	2.13	6.61	2.18	6.59	2.25	6.59	2.32	6.57	2.37
	0	-0.7	7.32	2.24	7.30	2.28	7.28	2.35	7.28	2.41	7.26	2.45
	7	6.0	8.14	2.35	8.12	2.39	8.10	2.44	7.78	2.36	7.34	2.21
	10	8.0	8.38	2.41	8.36	2.44	8.10	2.39	7.78	2.20	7.34	2.06
L	-10	-11.0	5.82	1.95	5.80	2.01	5.78	2.08	5.78	2.16	5.76	2.22
	-5	-5.6	6.49	2.08	6.47	2.14	6.45	2.20	6.45	2.27	6.43	2.31
	0	-0.7	7.16	2.19	7.14	2.23	7.12	2.30	7.12	2.36	7.10	2.40
	7	6.0	7.96	2.30	7.94	2.34	7.92	2.39	7.62	2.31	7.18	2.16
	10	8.0	8.20	2.36	8.18	2.39	7.92	2.34	7.62	2.15	7.18	2.02

Note:

DB: Dry bulb temp.
WB: Wet bulb temp.
TC: Total cooling(heating) capacity.
SHC: Sensible capacity
PI: Power input.

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

Cooling	Heating	Equivalent Piping Length
Indoor:27℃ /19℃ Outdoor:35℃	Indoor:20℃ Outdoor:7℃ /6℃	5m

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

3. The green table shows nominal MAX capacities.

GUD100PH/A-T、GUD100PHS/A-T

Cooling

Fan Speed	Indoor Air Temperature ℃		Outdoor Dry Bulb Temperature ℃														
			20			25			30			35			40		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	20	14	6.56	5.88	1.28	6.56	5.88	1.50	6.56	5.88	1.61	6.56	5.88	1.75	6.56	5.88	1.89
	23	16	7.98	6.90	1.65	7.98	6.90	1.93	7.98	6.90	2.07	7.98	6.90	2.25	7.98	6.90	2.43
	26	18	9.03	7.53	1.96	9.03	7.53	2.30	9.03	7.53	2.47	9.03	7.53	2.68	9.03	7.53	2.90
	27	19	10.10	8.04	2.30	10.10	8.04	2.69	10.10	8.04	2.89	10.00	8.04	3.2	9.70	7.84	3.39
	30	22	10.41	8.33	2.33	10.41	8.13	2.72	10.41	7.89	2.92	10.41	7.71	3.18	9.99	7.52	3.43
	32	24	10.60	8.05	2.34	10.60	7.80	2.74	10.60	7.60	2.94	10.60	7.38	3.20	10.18	7.19	3.45
H	20	14	6.36	5.70	1.25	6.36	5.70	1.46	6.36	5.70	1.56	6.36	5.70	1.70	6.36	5.70	1.84
	23	16	7.74	6.69	1.60	7.74	6.69	1.87	7.74	6.69	2.01	7.74	6.69	2.19	7.74	6.69	2.36
	26	18	8.76	7.31	1.91	8.76	7.31	2.23	8.76	7.31	2.39	8.76	7.31	2.60	8.76	7.31	2.81
	27	19	9.80	7.80	2.23	9.80	7.80	2.61	9.80	7.80	2.80	9.80	7.80	3.04	9.41	7.60	3.29
	30	22	10.09	8.08	2.26	10.09	7.89	2.64	10.09	7.66	2.84	10.09	7.48	3.08	9.69	7.29	3.33
	32	24	10.29	7.81	2.27	10.29	7.57	2.66	10.29	7.37	2.86	10.29	7.16	3.10	9.88	6.98	3.35
M	20	14	6.04	5.41	1.18	6.04	5.41	1.38	6.04	5.41	1.48	6.04	5.41	1.61	6.04	5.41	1.74
	23	16	7.34	6.34	1.52	7.34	6.34	1.78	7.34	6.34	1.91	7.34	6.34	2.07	7.34	6.34	2.24
	26	18	8.31	6.93	1.81	8.31	6.93	2.11	8.31	6.93	2.27	8.31	6.93	2.47	8.31	6.93	2.67
	27	19	9.30	7.40	2.11	9.30	7.40	2.47	9.30	7.40	2.66	9.30	7.40	2.89	8.92	7.21	3.12
	30	22	9.57	7.67	2.14	9.57	7.48	2.50	9.57	7.26	2.69	9.57	7.10	2.92	9.19	6.92	3.16
	32	24	9.76	7.41	2.16	9.76	7.18	2.52	9.76	6.99	2.71	9.76	6.79	2.94	9.37	6.62	3.18
L	20	14	5.90	5.29	1.16	5.90	5.29	1.35	5.90	5.29	1.45	5.90	5.29	1.58	5.90	5.29	1.70
	23	16	7.19	6.21	1.49	7.19	6.21	1.74	7.19	6.21	1.87	7.19	6.21	2.03	7.19	6.21	2.19
	26	18	8.13	6.78	1.77	8.13	6.78	2.07	8.13	6.78	2.22	8.13	6.78	2.41	8.13	6.78	2.61
	27	19	9.09	7.24	2.07	9.09	7.24	2.42	9.09	7.24	2.60	9.09	7.24	2.83	8.73	7.06	3.05
	30	22	9.37	7.50	2.09	9.37	7.32	2.45	9.37	7.10	2.63	9.37	6.94	2.86	8.99	6.77	3.09
	32	24	9.54	7.25	2.11	9.54	7.02	2.47	9.54	6.84	2.65	9.54	6.64	2.88	9.16	6.47	3.11

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	-11.0	8.82	2.78	8.79	2.87	8.76	2.97	8.76	3.08	8.73	3.16
	-5	-5.6	9.83	2.97	9.80	3.04	9.77	3.14	9.77	3.23	9.75	3.30
	0	-0.7	10.84	3.12	10.82	3.18	10.78	3.27	10.78	3.36	10.76	3.42
	7	6.0	12.06	3.27	12.03	3.33	12.00	3.40	11.54	3.29	10.88	3.08
	10	8.0	12.42	3.36	12.39	3.40	12.00	3.33	11.54	3.06	10.88	2.88
H	-10	-11.0	8.55	2.70	8.53	2.78	8.50	2.88	8.50	2.99	8.47	3.07
	-5	-5.6	9.54	2.88	9.51	2.95	9.48	3.04	9.48	3.13	9.45	3.20
	0	-0.7	10.52	3.03	10.49	3.08	10.46	3.17	10.46	3.26	10.43	3.31
	7	6.0	11.70	3.17	11.67	3.23	11.64	3.30	11.19	3.19	10.55	2.99
	10	8.0	12.05	3.26	12.02	3.30	11.64	3.23	11.19	2.97	10.55	2.79

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
M	-10	-11.0	8.11	2.56	8.09	2.64	8.06	2.73	8.06	2.83	8.03	2.91
	-5	-5.6	9.05	2.73	9.02	2.80	8.99	2.89	8.99	2.97	8.97	3.03
	0	-0.7	9.98	2.87	9.95	2.93	9.92	3.01	9.92	3.09	9.90	3.14
	7	6.0	11.09	3.01	11.07	3.07	11.04	3.13	10.62	3.03	10.01	2.83
	10	8.0	11.43	3.09	11.40	3.13	11.04	3.07	10.62	2.82	10.01	2.65
L	-10	-11.0	7.94	2.50	7.91	2.58	7.89	2.67	7.89	2.77	7.86	2.85
	-5	-5.6	8.85	2.67	8.82	2.74	8.80	2.82	8.80	2.91	8.77	2.97
	0	-0.7	9.76	2.81	9.73	2.86	9.71	2.95	9.71	3.02	9.68	3.08
	7	6.0	10.85	2.95	10.83	3.00	10.80	3.06	10.39	2.96	9.79	2.77
	10	8.0	11.18	3.02	11.15	3.06	10.80	3.00	10.39	2.76	9.79	2.59

Note:

DB: Dry bulb temp.
WB: Wet bulb temp.
TC: Total cooling(heating) capacity.
SHC: Sensible capacity
PI: Power input.

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

Cooling	Heating	Equivalent Piping Length
Indoor:27℃ /19℃ Outdoor:35℃	Indoor:20℃ Outdoor:7℃ /6℃	5m

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

3. The green table shows nominal MAX capacities.

GUD125PH/A-T、GUD125PHS/A-T
Cooling

Fan Speed	Indoor Air Temperature ℃		Outdoor Dry Bulb Temperature ℃														
			20			25			30			35			40		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	20	14	7.86	7.54	1.80	7.86	7.54	2.11	7.86	7.54	2.26	7.86	7.54	2.46	7.86	7.54	2.65
	23	16	9.56	8.85	2.31	9.56	8.85	2.71	9.56	8.85	2.91	9.56	8.85	3.16	9.56	8.85	3.41
	26	18	10.81	9.67	2.75	10.81	9.67	3.22	10.81	9.67	3.46	10.81	9.67	3.76	10.81	9.67	4.06
	27	19	12.10	10.32	3.22	12.10	10.32	3.77	12.10	10.32	4.05	12.10	10.32	4.40	11.62	10.06	4.75
	30	22	12.46	10.69	3.26	12.46	10.43	3.82	12.46	10.13	4.10	12.46	9.90	4.45	11.97	9.65	4.81
	32	24	12.70	10.33	3.28	12.70	10.01	3.84	12.70	9.75	4.13	12.70	9.47	4.48	12.19	9.23	4.84
H	20	14	7.62	7.32	1.75	7.62	7.32	2.04	7.62	7.32	2.19	7.62	7.32	2.38	7.62	7.32	2.57
	23	16	9.27	8.58	2.24	9.27	8.58	2.63	9.27	8.58	2.82	9.27	8.58	3.07	9.27	8.58	3.31
	26	18	10.49	9.38	2.67	10.49	9.38	3.13	10.49	9.38	3.36	10.49	9.38	3.65	10.49	9.38	3.94
	27	19	11.74	10.01	3.13	11.74	10.01	3.66	11.74	10.01	3.93	11.74	10.01	4.27	11.27	9.76	4.61
	30	22	12.09	10.37	3.16	12.09	10.12	3.70	12.09	9.83	3.97	12.09	9.60	4.32	11.61	9.36	4.66
	32	24	12.32	10.02	3.19	12.32	9.71	3.73	12.32	9.46	4.00	12.32	9.19	4.35	11.83	8.96	4.70

Fan Speed	Indoor Air Temperature ℃		Outdoor Dry Bulb Temperature ℃														
			20			25			30			35			40		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
M	20	14	7.23	6.94	1.66	7.23	6.94	1.94	7.23	6.94	2.08	7.23	6.94	2.26	7.23	6.94	2.44
	23	16	8.80	8.14	2.13	8.80	8.14	2.49	8.80	8.14	2.68	8.80	8.14	2.91	8.80	8.14	3.14
	26	18	9.95	8.89	2.53	9.95	8.89	2.96	9.95	8.89	3.18	9.95	8.89	3.46	9.95	8.89	3.74
	27	19	11.13	9.49	2.96	11.13	9.49	3.47	11.13	9.49	3.73	11.13	9.49	4.05	10.69	9.25	4.37
	30	22	11.47	9.84	3.00	11.47	9.60	3.51	11.47	9.32	3.77	11.47	9.11	4.10	11.01	8.88	4.42
	32	24	11.68	9.50	3.02	11.68	9.21	3.53	11.68	8.97	3.80	11.68	8.71	4.13	11.22	8.49	4.46
L	20	14	7.07	6.79	1.62	7.07	6.79	1.89	7.07	6.79	2.04	7.07	6.79	2.21	7.07	6.79	2.39
	23	16	8.60	7.96	2.08	8.60	7.96	2.44	8.60	7.96	2.62	8.60	7.96	2.84	8.60	7.96	3.07
	26	18	9.73	8.70	2.48	9.73	8.70	2.90	9.73	8.70	3.11	9.73	8.70	3.38	9.73	8.70	3.66
	27	19	10.89	9.29	2.90	10.89	9.29	3.39	10.89	9.29	3.64	10.89	9.29	3.96	10.46	9.05	4.28
	30	22	11.22	9.62	2.93	11.22	9.39	3.43	11.22	9.12	3.69	11.22	8.91	4.01	10.77	8.68	4.33
	32	24	11.43	9.30	2.96	11.43	9.01	3.46	11.43	8.78	3.71	11.43	8.52	4.04	10.97	8.31	4.36

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	-11.0	9.92	3.36	9.89	3.46	9.86	3.58	9.86	3.71	9.82	3.82
	-5	-5.6	11.06	3.58	11.03	3.67	11.00	3.78	11.00	3.90	10.96	3.98
	0	-0.7	12.20	3.76	12.17	3.83	12.13	3.95	12.13	4.05	12.10	4.12
	7	6.0	13.57	3.95	13.53	4.02	13.50	4.10	12.98	3.97	12.24	3.71
	10	8.0	13.97	4.05	13.94	4.10	13.50	4.02	12.98	3.69	12.24	3.47
H	-10	-11.0	9.62	3.25	9.59	3.35	9.56	3.47	9.56	3.60	9.53	3.70
	-5	-5.6	10.73	3.47	10.70	3.56	10.67	3.67	10.67	3.78	10.63	3.86
	0	-0.7	11.83	3.65	11.80	3.72	11.77	3.83	11.77	3.93	11.74	4.00
	7	6.0	13.16	3.83	13.13	3.90	13.10	3.98	12.59	3.85	11.87	3.60
	10	8.0	13.55	3.93	13.52	3.98	13.10	3.90	12.59	3.58	11.87	3.36
M	-10	-11.0	9.13	3.09	9.10	3.18	9.07	3.29	9.07	3.42	9.04	3.51
	-5	-5.6	10.18	3.29	10.14	3.38	10.12	3.48	10.12	3.58	10.09	3.66
	0	-0.7	11.22	3.46	11.19	3.53	11.16	3.63	11.16	3.73	11.13	3.79
	7	6.0	12.48	3.63	12.45	3.70	12.42	3.77	11.94	3.65	11.26	3.41
	10	8.0	12.85	3.73	12.82	3.77	12.42	3.70	11.94	3.40	11.26	3.19
L	-10	-11.0	8.93	3.02	8.90	3.11	8.87	3.22	8.87	3.34	8.84	3.43
	-5	-5.6	9.96	3.22	9.92	3.30	9.90	3.40	9.90	3.51	9.87	3.58
	0	-0.7	10.98	3.39	10.95	3.45	10.92	3.55	10.92	3.64	10.89	3.71
	7	6.0	12.21	3.55	12.18	3.62	12.15	3.69	11.68	3.57	11.01	3.34
	10	8.0	12.57	3.65	12.54	3.69	12.15	3.62	11.68	3.32	11.01	3.12

Note:

DB: Dry bulb temp.
WB: Wet bulb temp.
TC: Total cooling(heating) capacity.
SHC: Sensible capacity
PI: Power input.

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

Cooling	Heating	Equivalent Piping Length
Indoor:27℃ /19℃ Outdoor:35℃	Indoor:20℃ Outdoor:7℃ /6℃	5m

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

3. The green table shows nominal MAX capacities.

GUD140PH/A-T、GUD140PHS/A-T
Cooling

Fan Speed	Indoor Air Temperature ℃		Outdoor Dry Bulb Temperature ℃														
			20			25			30			35			40		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	20	14	8.70	7.95	1.82	8.70	7.95	2.13	8.70	7.95	2.29	8.70	7.95	2.49	8.70	7.95	2.68
	23	16	10.59	9.32	2.34	10.59	9.32	2.74	10.59	9.32	2.94	10.59	9.32	3.20	10.59	9.32	3.45
	26	18	11.97	10.18	2.79	11.97	10.18	3.26	11.97	10.18	3.50	11.97	10.18	3.80	11.97	10.18	4.11
	27	19	13.40	10.87	3.26	13.40	10.87	3.81	13.40	10.87	4.09	13.40	10.87	4.45	12.86	10.60	4.81
	30	22	13.80	11.27	3.30	13.80	10.99	3.86	13.80	10.67	4.14	13.80	10.43	4.50	13.25	10.16	4.86
	32	24	14.06	10.88	3.32	14.06	10.55	3.89	14.06	10.27	4.17	14.06	9.98	4.53	13.50	9.73	4.90
H	20	14	8.44	7.71	1.77	8.44	7.71	2.07	8.44	7.71	2.22	8.44	7.71	2.41	8.44	7.71	2.60
	23	16	10.27	9.04	2.27	10.27	9.04	2.66	10.27	9.04	2.85	10.27	9.04	3.10	10.27	9.04	3.35
	26	18	11.62	9.88	2.70	11.62	9.88	3.16	11.62	9.88	3.39	11.62	9.88	3.69	11.62	9.88	3.98
	27	19	13.00	10.55	3.16	13.00	10.55	3.70	13.00	10.55	3.97	13.00	10.55	4.32	12.48	10.28	4.66
	30	22	13.39	10.93	3.20	13.39	10.66	3.74	13.39	10.35	4.02	13.39	10.11	4.37	12.85	9.86	4.72
	32	24	13.64	10.56	3.22	13.64	10.23	3.77	13.64	9.96	4.05	13.64	9.68	4.40	13.10	9.44	4.75
M	20	14	8.00	7.31	1.67	8.00	7.31	1.96	8.00	7.31	2.10	8.00	7.31	2.29	8.00	7.31	2.47
	23	16	9.74	8.58	2.15	9.74	8.58	2.52	9.74	8.58	2.71	9.74	8.58	2.94	9.74	8.58	3.18
	26	18	11.02	9.37	2.56	11.02	9.37	3.00	11.02	9.37	3.22	11.02	9.37	3.50	11.02	9.37	3.78
	27	19	12.33	10.00	3.00	12.33	10.00	3.51	12.33	10.00	3.77	12.33	10.00	4.09	11.84	9.75	4.42
	30	22	12.70	10.37	3.03	12.70	10.11	3.55	12.70	9.82	3.81	12.70	9.59	4.14	12.19	9.35	4.47
	32	24	12.94	10.01	3.06	12.94	9.71	3.57	12.94	9.45	3.84	12.94	9.18	4.17	12.42	8.95	4.51
L	20	14	7.83	7.15	1.64	7.83	7.15	1.92	7.83	7.15	2.06	7.83	7.15	2.24	7.83	7.15	2.42
	23	16	9.53	8.39	2.11	9.53	8.39	2.46	9.53	8.39	2.65	9.53	8.39	2.88	9.53	8.39	3.11
	26	18	10.78	9.17	2.51	10.78	9.17	2.93	10.78	9.17	3.15	10.78	9.17	3.42	10.78	9.17	3.70
	27	19	12.06	9.79	2.93	12.06	9.79	3.43	12.06	9.79	3.69	12.06	9.79	4.01	11.58	9.54	4.33
	30	22	12.42	10.14	2.97	12.42	9.89	3.47	12.42	9.61	3.73	12.42	9.38	4.05	11.93	9.15	4.38
	32	24	12.66	9.80	2.99	12.66	9.50	3.50	12.66	9.25	3.76	12.66	8.98	4.08	12.15	8.75	4.41

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	-11.0	11.39	3.76	11.35	3.88	11.32	4.02	11.32	4.17	11.28	4.28
	-5	-5.6	12.70	4.02	12.66	4.12	12.62	4.24	12.62	4.37	12.59	4.46
	0	-0.7	14.01	4.22	13.97	4.30	13.93	4.43	13.93	4.54	13.89	4.62
	7	6.0	15.58	4.43	15.54	4.51	15.50	4.60	14.90	4.45	14.05	4.16
	10	8.0	16.04	4.54	16.00	4.60	15.50	4.51	14.90	4.14	14.05	3.89
H	-10	-11.0	11.05	3.65	11.01	3.76	10.98	3.89	10.98	4.04	10.94	4.15
	-5	-5.6	12.32	3.89	12.28	3.99	12.25	4.12	12.25	4.24	12.21	4.33
	0	-0.7	13.59	4.09	13.55	4.17	13.51	4.30	13.51	4.41	13.48	4.48
	7	6.0	15.11	4.30	15.07	4.37	15.04	4.46	14.46	4.32	13.63	4.04
	10	8.0	15.56	4.41	15.52	4.46	15.04	4.37	14.46	4.02	13.63	3.77
M	-10	-11.0	10.48	3.46	10.45	3.57	10.41	3.69	10.41	3.83	10.38	3.94
	-5	-5.6	11.68	3.69	11.65	3.79	11.61	3.91	11.61	4.02	11.58	4.11
	0	-0.7	12.89	3.88	12.85	3.96	12.82	4.07	12.82	4.18	12.78	4.25
	7	6.0	14.33	4.07	14.30	4.15	14.26	4.23	13.71	4.09	12.93	3.83
	10	8.0	14.76	4.18	14.72	4.23	14.26	4.15	13.71	3.81	12.93	3.58
L	-10	-11.0	10.25	3.39	10.22	3.49	10.19	3.61	10.19	3.75	10.15	3.85
	-5	-5.6	11.43	3.61	11.39	3.71	11.36	3.82	11.36	3.93	11.33	4.02
	0	-0.7	12.61	3.80	12.57	3.87	12.54	3.99	12.54	4.09	12.50	4.16
	7	6.0	14.02	3.99	13.99	4.06	13.95	4.14	13.41	4.01	12.64	3.75
	10	8.0	14.44	4.09	14.40	4.14	13.95	4.06	13.41	3.73	12.64	3.50

Note:

DB: Dry bulb temp.
WB: Wet bulb temp.
TC: Total cooling(heating) capacity.
SHC: Sensible capacity
PI: Power input.

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

Cooling	Heating	Equivalent Piping Length
Indoor:27℃ /19℃ Outdoor:35℃	Indoor:20℃ Outdoor:7℃ /6℃	7.5m

2. Capacities are net , including a deduction for cooling(an addition for heating) for indoor fan motor heat.
3. The green table shows nominal MAX capacities.

GUD160PH/A-T、GUD160PHS/A-T

Cooling

Fan Speed	Indoor Air Temperature °C		Outdoor Dry Bulb Temperature °C														
			20			25			30			35			40		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	20	14	10.39	9.40	2.23	10.39	9.40	2.61	10.39	9.40	2.80	10.39	9.40	3.04	10.39	9.40	3.29
	23	16	12.64	11.03	2.87	12.64	11.03	3.35	12.64	11.03	3.60	12.64	11.03	3.91	12.64	11.03	4.23
	26	18	14.30	12.04	3.41	14.30	12.04	3.99	14.30	12.04	4.29	14.30	12.04	4.66	14.30	12.04	5.03
	27	19	16.00	12.86	3.99	16.00	12.86	4.67	16.00	12.86	5.02	16.00	12.86	5.45	15.36	12.53	5.89
	30	22	16.48	13.32	4.04	16.48	13.00	4.73	16.48	12.62	5.08	16.48	12.33	5.52	15.82	12.02	5.96
	32	24	16.79	12.87	4.07	16.79	12.48	4.76	16.79	12.15	5.11	16.79	11.80	5.55	16.12	11.50	6.00
H	20	14	10.08	9.12	2.16	10.08	9.12	2.53	10.08	9.12	2.72	10.08	9.12	2.95	10.08	9.12	3.19
	23	16	12.26	10.69	2.78	12.26	10.69	3.25	12.26	10.69	3.49	12.26	10.69	3.80	12.26	10.69	4.10
	26	18	13.87	11.68	3.31	13.87	11.68	3.87	13.87	11.68	4.16	13.87	11.68	4.52	13.87	11.68	4.88
	27	19	15.52	12.47	3.87	15.52	12.47	4.53	15.52	12.47	4.86	15.52	12.47	5.29	14.90	12.16	5.71
	30	22	15.99	12.92	3.92	15.99	12.61	4.58	15.99	12.24	4.92	15.99	11.96	5.35	15.35	11.66	5.78
	32	24	16.29	12.48	3.95	16.29	12.10	4.62	16.29	11.78	4.96	16.29	11.45	5.39	15.64	11.16	5.82
M	20	14	9.56	8.65	2.05	9.56	8.65	2.40	9.56	8.65	2.58	9.56	8.65	2.80	9.56	8.65	3.02
	23	16	11.63	10.14	2.64	11.63	10.14	3.09	11.63	10.14	3.31	11.63	10.14	3.60	11.63	10.14	3.89
	26	18	13.15	11.08	3.14	13.15	11.08	3.67	13.15	11.08	3.94	13.15	11.08	4.29	13.15	11.08	4.63
	27	19	14.72	11.83	3.67	14.72	11.83	4.30	14.72	11.83	4.61	14.72	11.83	5.01	14.13	11.53	5.42
	30	22	15.16	12.26	3.72	15.16	11.96	4.35	15.16	11.61	4.67	15.16	11.34	5.07	14.56	11.06	5.48
	32	24	15.45	11.84	3.74	15.45	11.48	4.38	15.45	11.18	4.70	15.45	10.86	5.11	14.83	10.58	5.52
L	20	14	9.35	8.46	2.01	9.35	8.46	2.35	9.35	8.46	2.52	9.35	8.46	2.74	9.35	8.46	2.96
	23	16	11.38	9.92	2.58	11.38	9.92	3.02	11.38	9.92	3.24	11.38	9.92	3.52	11.38	9.92	3.80
	26	18	12.87	10.84	3.07	12.87	10.84	3.59	12.87	10.84	3.86	12.87	10.84	4.19	12.87	10.84	4.53
	27	19	14.40	11.57	3.59	14.40	11.57	4.20	14.40	11.57	4.51	14.40	11.57	4.91	13.82	11.28	5.30
	30	22	14.83	11.99	3.64	14.83	11.70	4.25	14.83	11.36	4.57	14.83	11.10	4.96	14.24	10.82	5.36
	32	24	15.11	11.58	3.66	15.11	11.23	4.28	15.11	10.93	4.60	15.11	10.62	5.00	14.51	10.35	5.40

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	-11.0	12.49	4.09	12.45	4.21	12.41	4.36	12.41	4.53	12.37	4.65
	-5	-5.6	13.93	4.36	13.89	4.48	13.85	4.61	13.85	4.75	13.81	4.85
	0	-0.7	15.36	4.59	15.32	4.68	15.28	4.81	15.28	4.94	15.24	5.03
	7	6.0	17.08	4.81	17.04	4.90	17.00	5.00	16.35	4.84	15.41	4.53
	10	8.0	17.59	4.94	17.55	5.00	17.00	4.90	16.35	4.50	15.41	4.23
H	-10	-11.0	12.12	3.97	12.08	4.09	12.04	4.23	12.04	4.39	12.00	4.51
	-5	-5.6	13.51	4.23	13.47	4.34	13.43	4.48	13.43	4.61	13.39	4.71
	0	-0.7	14.90	4.45	14.86	4.54	14.82	4.67	14.82	4.79	14.78	4.87
	7	6.0	16.57	4.67	16.53	4.75	16.49	4.85	15.86	4.69	14.95	4.39
	10	8.0	17.07	4.79	17.03	4.85	16.49	4.75	15.86	4.37	14.95	4.10

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
M	-10	-11.0	11.49	3.76	11.46	3.88	11.42	4.02	11.42	4.17	11.38	4.28
	-5	-5.6	12.81	4.02	12.77	4.12	12.74	4.24	12.74	4.37	12.70	4.46
	0	-0.7	14.13	4.22	14.10	4.30	14.06	4.43	14.06	4.54	14.02	4.62
	7	6.0	15.72	4.43	15.68	4.51	15.64	4.60	15.04	4.45	14.18	4.16
	10	8.0	16.19	4.54	16.15	4.60	15.64	4.51	15.04	4.14	14.18	3.89
L	-10	-11.0	11.24	3.68	11.21	3.79	11.17	3.93	11.17	4.07	11.13	4.19
	-5	-5.6	12.54	3.93	12.50	4.03	12.46	4.15	12.46	4.28	12.43	4.37
	0	-0.7	13.83	4.13	13.79	4.21	13.75	4.33	13.75	4.44	13.71	4.52
	7	6.0	15.37	4.33	15.34	4.41	15.30	4.50	14.71	4.35	13.87	4.07
	10	8.0	15.83	4.45	15.80	4.50	15.30	4.41	14.71	4.05	13.87	3.81

Note:

DB: Dry bulb temp.

WB: Wet bulb temp.

TC: Total cooling(heating) capacity.

SHC: Sensible capacity

PI: Power input.

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

Cooling	Heating	Equivalent Piping Length
Indoor:27℃ /19℃ Outdoor:35℃	Indoor:20℃ Outdoor:7℃ /6℃	7.5m

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

3. The green table shows nominal MAX capacities.

6.1.3 Floor Ceiling Type

GUD35ZD/A-T

Cooling

Fan Speed	Indoor Air Temperature ℃		Outdoor Dry Bulb Temperature ℃														
			20			25			30			35			40		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	20	14	2.25	2.28	0.37	2.25	2.28	0.44	2.25	2.28	0.47	2.25	2.28	0.51	2.25	2.28	0.55
	23	16	2.74	2.68	0.48	2.74	2.68	0.56	2.74	2.68	0.60	2.74	2.68	0.65	2.74	2.68	0.71
	26	18	3.10	2.93	0.57	3.10	2.93	0.67	3.10	2.93	0.72	3.10	2.93	0.78	3.10	2.93	0.84
	27	19	3.47	3.13	0.67	3.47	3.13	0.78	3.47	3.13	0.84	3.50	3.13	0.90	3.33	3.05	0.98
	30	22	3.58	3.24	0.68	3.58	3.16	0.79	3.58	3.07	0.85	3.58	3.00	0.92	3.43	2.92	1.00
	32	24	3.65	3.13	0.68	3.65	3.03	0.80	3.65	2.95	0.85	3.65	2.87	0.93	3.50	2.80	1.00

Fan Speed	Indoor Air Temperature ˚C		Outdoor Dry Bulb Temperature ˚C														
			20			25			30			35			40		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
H	20	14	2.19	2.22	0.36	2.19	2.22	0.42	2.19	2.22	0.45	2.19	2.22	0.49	2.19	2.22	0.53
	23	16	2.66	2.60	0.46	2.66	2.60	0.54	2.66	2.60	0.58	2.66	2.60	0.63	2.66	2.60	0.69
	26	18	3.01	2.84	0.55	3.01	2.84	0.65	3.01	2.84	0.70	3.01	2.84	0.76	3.01	2.84	0.82
	27	19	3.37	3.03	0.65	3.37	3.03	0.76	3.37	3.03	0.81	3.37	3.03	0.88	3.23	2.95	0.95
	30	22	3.47	3.14	0.65	3.47	3.06	0.77	3.47	2.98	0.82	3.47	2.91	0.89	3.33	2.83	0.97
	32	24	3.54	3.03	0.66	3.54	2.94	0.77	3.54	2.86	0.83	3.54	2.78	0.90	3.39	2.71	0.97
M	20	14	2.07	2.10	0.34	2.07	2.10	0.40	2.07	2.10	0.43	2.07	2.10	0.47	2.07	2.10	0.51
	23	16	2.52	2.47	0.44	2.52	2.47	0.52	2.52	2.47	0.55	2.52	2.47	0.60	2.52	2.47	0.65
	26	18	2.86	2.69	0.52	2.86	2.69	0.61	2.86	2.69	0.66	2.86	2.69	0.72	2.86	2.69	0.77
	27	19	3.20	2.88	0.61	3.20	2.88	0.72	3.20	2.88	0.77	3.20	2.88	0.84	3.07	2.80	0.91
	30	22	3.29	2.98	0.62	3.29	2.91	0.73	3.29	2.82	0.78	3.29	2.76	0.85	3.16	2.69	0.92
	32	24	3.35	2.88	0.63	3.35	2.79	0.73	3.35	2.72	0.79	3.35	2.64	0.85	3.22	2.57	0.92
L	20	14	2.03	2.06	0.34	2.03	2.06	0.39	2.03	2.06	0.42	2.03	2.06	0.46	2.03	2.06	0.49
	23	16	2.47	2.41	0.43	2.47	2.41	0.50	2.47	2.41	0.54	2.47	2.41	0.59	2.47	2.41	0.64
	26	18	2.79	2.63	0.51	2.79	2.63	0.60	2.79	2.63	0.64	2.79	2.63	0.70	2.79	2.63	0.76
	27	19	3.13	2.81	0.60	3.13	2.81	0.70	3.13	2.81	0.75	3.13	2.81	0.82	3.00	2.74	0.89
	30	22	3.22	2.91	0.61	3.22	2.84	0.71	3.22	2.76	0.76	3.22	2.70	0.83	3.09	2.63	0.90
	32	24	3.28	2.82	0.61	3.28	2.73	0.72	3.28	2.66	0.77	3.28	2.58	0.84	3.15	2.52	0.90

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	-11.0	2.91	0.78	2.90	0.81	2.89	0.84	2.89	0.87	2.88	0.89
	-5	-5.6	3.25	0.84	3.24	0.86	3.23	0.88	3.23	0.91	3.22	0.93
	0	-0.7	3.58	0.88	3.57	0.90	3.56	0.92	3.56	0.95	3.55	0.96
	7	6.0	3.98	0.92	3.97	0.94	4.00	0.95	3.81	0.93	3.59	0.87
	10	8.0	4.10	0.95	4.09	0.96	3.96	0.94	3.81	0.86	3.59	0.81
H	-10	-11.0	2.82	0.76	2.82	0.78	2.81	0.81	2.81	0.84	2.80	0.87
	-5	-5.6	3.15	0.81	3.14	0.83	3.13	0.86	3.13	0.88	3.12	0.90
	0	-0.7	3.47	0.85	3.46	0.87	3.45	0.90	3.45	0.92	3.44	0.93
	7	6.0	3.86	0.90	3.85	0.91	3.84	0.93	3.70	0.90	3.48	0.84
	10	8.0	3.98	0.92	3.97	0.93	3.84	0.91	3.70	0.84	3.48	0.79
M	-10	-11.0	2.68	0.72	2.67	0.74	2.66	0.77	2.66	0.80	2.65	0.82
	-5	-5.6	2.99	0.77	2.98	0.79	2.97	0.81	2.97	0.84	2.96	0.86
	0	-0.7	3.29	0.81	3.29	0.83	3.28	0.85	3.28	0.87	3.27	0.89
	7	6.0	3.66	0.85	3.65	0.86	3.65	0.88	3.50	0.85	3.30	0.80
	10	8.0	3.77	0.87	3.76	0.88	3.65	0.86	3.50	0.79	3.30	0.75

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
L	-10	-11.0	2.62	0.71	2.61	0.73	2.60	0.75	2.60	0.78	2.59	0.80
	-5	-5.6	2.92	0.75	2.91	0.77	2.90	0.80	2.90	0.82	2.90	0.84
	0	-0.7	3.22	0.79	3.21	0.81	3.20	0.83	3.20	0.85	3.20	0.87
	7	6.0	3.58	0.83	3.57	0.85	3.57	0.86	3.43	0.84	3.23	0.78
	10	8.0	3.69	0.85	3.68	0.86	3.57	0.85	3.43	0.78	3.23	0.73

Note:

DB: Dry bulb temp.
WB: Wet bulb temp.
TC: Total cooling(heating) capacity.
SHC: Sensible capacity
PI: Power input.

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

Cooling	Heating	Equivalent Piping Length
Indoor:27℃ /19℃ Outdoor:35℃	Indoor:20℃ Outdoor:7℃ /6℃	5m

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

3. The green table shows nominal MAX capacities.

GUD50ZD/A-T
Cooling

Fan Speed	Indoor Air Temperature ℃		Outdoor Dry Bulb Temperature ℃														
			20			25			30			35			40		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	20	14	3.25	2.77	0.63	3.25	2.77	0.74	3.25	2.77	0.80	3.25	2.77	0.87	3.25	2.77	0.93
	23	16	3.95	3.25	0.82	3.95	3.25	0.95	3.95	3.25	1.02	3.95	3.25	1.11	3.95	3.25	1.20
	26	18	4.47	3.55	0.97	4.47	3.55	1.14	4.47	3.55	1.22	4.47	3.55	1.32	4.47	3.55	1.43
	27	19	5.00	3.79	1.14	5.00	3.79	1.33	5.00	3.79	1.43	5.00	3.79	1.55	4.80	3.70	1.67
	30	22	5.15	3.93	1.15	5.15	3.84	1.34	5.15	3.72	1.44	5.15	3.64	1.57	4.94	3.55	1.69
	32	24	5.25	3.80	1.16	5.25	3.68	1.35	5.25	3.58	1.45	5.25	3.48	1.58	5.04	3.39	1.71
H	20	14	3.15	2.69	0.61	3.15	2.69	0.72	3.15	2.69	0.77	3.15	2.69	0.84	3.15	2.69	0.91
	23	16	3.83	3.16	0.79	3.83	3.16	0.93	3.83	3.16	0.99	3.83	3.16	1.08	3.83	3.16	1.17
	26	18	4.33	3.45	0.94	4.33	3.45	1.10	4.33	3.45	1.18	4.33	3.45	1.29	4.33	3.45	1.39
	27	19	4.85	3.68	1.10	4.85	3.68	1.29	4.85	3.68	1.38	4.85	3.68	1.50	4.66	3.59	1.62
	30	22	5.00	3.81	1.11	5.00	3.72	1.30	5.00	3.61	1.40	5.00	3.53	1.52	4.80	3.44	1.64
	32	24	5.09	3.68	1.12	5.09	3.57	1.31	5.09	3.48	1.41	5.09	3.38	1.53	4.89	3.29	1.65
M	20	14	2.99	2.55	0.58	2.99	2.55	0.68	2.99	2.55	0.73	2.99	2.55	0.80	2.99	2.55	0.86
	23	16	3.63	2.99	0.75	3.63	2.99	0.88	3.63	2.99	0.94	3.63	2.99	1.02	3.63	2.99	1.11
	26	18	4.11	3.27	0.89	4.11	3.27	1.04	4.11	3.27	1.12	4.11	3.27	1.22	4.11	3.27	1.32
	27	19	4.60	3.49	1.04	4.60	3.49	1.22	4.60	3.49	1.31	4.60	3.49	1.43	4.42	3.40	1.54
	30	22	4.74	3.62	1.06	4.74	3.53	1.24	4.74	3.43	1.33	4.74	3.35	1.44	4.55	3.26	1.56
	32	24	4.83	3.49	1.06	4.83	3.39	1.25	4.83	3.30	1.34	4.83	3.20	1.45	4.64	3.12	1.57

Fan Speed	Indoor Air Temperature °C		Outdoor Dry Bulb Temperature °C														
			20			25			30			35			40		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
L	20	14	2.92	2.50	0.57	2.92	2.50	0.67	2.92	2.50	0.72	2.92	2.50	0.78	2.92	2.50	0.84
	23	16	3.56	2.93	0.73	3.56	2.93	0.86	3.56	2.93	0.92	3.56	2.93	1.00	3.56	2.93	1.08
	26	18	4.02	3.20	0.87	4.02	3.20	1.02	4.02	3.20	1.10	4.02	3.20	1.19	4.02	3.20	1.29
	27	19	4.50	3.41	1.02	4.50	3.41	1.20	4.50	3.41	1.28	4.50	3.41	1.40	4.32	3.33	1.51
	30	22	4.64	3.54	1.03	4.64	3.45	1.21	4.64	3.35	1.30	4.64	3.27	1.41	4.45	3.19	1.52
	32	24	4.72	3.42	1.04	4.72	3.31	1.22	4.72	3.23	1.31	4.72	3.13	1.42	4.53	3.05	1.54

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	-11.0	4.04	1.31	4.03	1.35	4.02	1.40	4.02	1.45	4.00	1.49
	-5	-5.6	4.51	1.40	4.49	1.43	4.48	1.48	4.48	1.52	4.47	1.55
	0	-0.7	4.97	1.47	4.96	1.50	4.94	1.54	4.94	1.58	4.93	1.61
	7	6.0	5.53	1.54	5.51	1.57	5.50	1.60	5.29	1.55	4.99	1.45
	10	8.0	5.69	1.58	5.68	1.60	5.50	1.57	5.29	1.44	4.99	1.35
H	-10	-11.0	3.92	1.27	3.91	1.31	3.90	1.35	3.90	1.41	3.88	1.44
	-5	-5.6	4.37	1.35	4.36	1.39	4.35	1.43	4.35	1.47	4.33	1.51
	0	-0.7	4.82	1.42	4.81	1.45	4.79	1.49	4.79	1.53	4.78	1.56
	7	6.0	5.36	1.49	5.35	1.52	5.34	1.55	5.13	1.50	4.84	1.40
	10	8.0	5.52	1.53	5.51	1.55	5.34	1.52	5.13	1.40	4.84	1.31
M	-10	-11.0	3.72	1.20	3.71	1.24	3.69	1.28	3.69	1.33	3.68	1.37
	-5	-5.6	4.15	1.28	4.13	1.32	4.12	1.36	4.12	1.40	4.11	1.43
	0	-0.7	4.57	1.35	4.56	1.38	4.55	1.42	4.55	1.45	4.54	1.48
	7	6.0	5.08	1.42	5.07	1.44	5.06	1.47	4.87	1.42	4.59	1.33
	10	8.0	5.24	1.45	5.22	1.47	5.06	1.44	4.87	1.33	4.59	1.24
L	-10	-11.0	3.64	1.18	3.63	1.21	3.61	1.26	3.61	1.30	3.60	1.34
	-5	-5.6	4.06	1.26	4.04	1.29	4.03	1.33	4.03	1.37	4.02	1.40
	0	-0.7	4.47	1.32	4.46	1.35	4.45	1.39	4.45	1.42	4.44	1.45
	7	6.0	4.97	1.39	4.96	1.41	4.95	1.44	4.76	1.39	4.49	1.30
	10	8.0	5.12	1.42	5.11	1.44	4.95	1.41	4.76	1.30	4.49	1.22

Note:

DB: Dry bulb temp.
WB: Wet bulb temp.
TC: Total cooling(heating) capacity.
SHC: Sensible capacity
PI: Power input.

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

Cooling	Heating	Equivalent Piping Length
Indoor:27°C /19°C Outdoor:35°C	Indoor:20°C Outdoor:7°C /6°C	5m

2. Capacities are net , including a deduction for cooling(an addition for heating) for indoor fan motor heat.
3. The green table shows nominal MAX capacities.

GUD71ZD/A-T

Cooling

Fan Speed	Indoor Air Temperature ˚C		Outdoor Dry Bulb Temperature ˚C														
			20			25			30			35			40		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	20	14	4.56	4.42	0.80	4.56	4.42	0.93	4.56	4.42	1.00	4.56	4.42	1.09	4.56	4.42	1.17
	23	16	5.55	5.18	1.02	5.55	5.18	1.20	5.55	5.18	1.28	5.55	5.18	1.40	5.55	5.18	1.51
	26	18	6.27	5.66	1.22	6.27	5.66	1.42	6.27	5.66	1.53	6.27	5.66	1.66	6.27	5.66	1.79
	27	19	7.02	6.04	1.42	7.02	6.04	1.67	7.02	6.04	1.79	7.00	6.04	1.90	6.74	5.89	2.10
	30	22	7.23	6.26	1.44	7.23	6.11	1.69	7.23	5.93	1.81	7.23	5.79	1.97	6.94	5.65	2.12
	32	24	7.37	6.05	1.45	7.37	5.86	1.70	7.37	5.71	1.82	7.37	5.54	1.98	7.07	5.40	2.14
H	20	14	4.42	4.28	0.77	4.42	4.28	0.90	4.42	4.28	0.97	4.42	4.28	1.05	4.42	4.28	1.14
	23	16	5.38	5.02	0.99	5.38	5.02	1.16	5.38	5.02	1.25	5.38	5.02	1.35	5.38	5.02	1.46
	26	18	6.09	5.49	1.18	6.09	5.49	1.38	6.09	5.49	1.48	6.09	5.49	1.61	6.09	5.49	1.74
	27	19	6.81	5.86	1.38	6.81	5.86	1.62	6.81	5.86	1.74	6.81	5.86	1.89	6.54	5.71	2.04
	30	22	7.01	6.07	1.40	7.01	5.92	1.64	7.01	5.75	1.76	7.01	5.62	1.91	6.73	5.48	2.06
	32	24	7.15	5.86	1.41	7.15	5.69	1.65	7.15	5.54	1.77	7.15	5.38	1.92	6.86	5.24	2.08
M	20	14	4.19	4.06	0.73	4.19	4.06	0.86	4.19	4.06	0.92	4.19	4.06	1.00	4.19	4.06	1.08
	23	16	5.10	4.77	0.94	5.10	4.77	1.10	5.10	4.77	1.18	5.10	4.77	1.28	5.10	4.77	1.39
	26	18	5.77	5.20	1.12	5.77	5.20	1.31	5.77	5.20	1.41	5.77	5.20	1.53	5.77	5.20	1.65
	27	19	6.46	5.56	1.31	6.46	5.56	1.53	6.46	5.56	1.65	6.46	5.56	1.79	6.20	5.42	1.93
	30	22	6.65	5.76	1.33	6.65	5.62	1.55	6.65	5.45	1.67	6.65	5.33	1.81	6.39	5.19	1.95
	32	24	6.78	5.56	1.33	6.78	5.39	1.56	6.78	5.25	1.68	6.78	5.10	1.82	6.51	4.97	1.97
L	20	14	4.10	3.97	0.72	4.10	3.97	0.84	4.10	3.97	0.90	4.10	3.97	0.98	4.10	3.97	1.06
	23	16	4.99	4.66	0.92	4.99	4.66	1.08	4.99	4.66	1.16	4.99	4.66	1.26	4.99	4.66	1.36
	26	18	5.65	5.09	1.10	5.65	5.09	1.28	5.65	5.09	1.38	5.65	5.09	1.50	5.65	5.09	1.62
	27	19	6.32	5.44	1.28	6.32	5.44	1.50	6.32	5.44	1.61	6.32	5.44	1.75	6.07	5.30	1.89
	30	22	6.51	5.63	1.30	6.51	5.50	1.52	6.51	5.34	1.63	6.51	5.21	1.77	6.25	5.08	1.91
	32	24	6.63	5.44	1.31	6.63	5.27	1.53	6.63	5.14	1.64	6.63	4.99	1.78	6.37	4.86	1.93

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	-11.0	5.88	2.01	5.86	2.07	5.84	2.14	5.84	2.22	5.82	2.28
	-5	-5.6	6.55	2.14	6.53	2.19	6.52	2.26	6.52	2.33	6.50	2.38
	0	-0.7	7.23	2.25	7.21	2.29	7.19	2.36	7.19	2.42	7.17	2.46
	7	6.0	8.04	2.36	8.02	2.40	8.00	2.45	7.69	2.37	7.25	2.22
	10	8.0	8.28	2.42	8.26	2.45	8.00	2.40	7.69	2.21	7.25	2.07
H	-10	-11.0	5.70	1.94	5.68	2.00	5.67	2.07	5.67	2.15	5.65	2.21
	-5	-5.6	6.36	2.07	6.34	2.13	6.32	2.19	6.32	2.26	6.30	2.31
	0	-0.7	7.01	2.18	6.99	2.22	6.97	2.29	6.97	2.35	6.96	2.39
	7	6.0	7.80	2.29	7.78	2.33	7.76	2.38	7.46	2.30	7.03	2.15
	10	8.0	8.03	2.35	8.01	2.38	7.76	2.33	7.46	2.14	7.03	2.01

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
M	-10	-11.0	5.41	1.84	5.39	1.90	5.37	1.97	5.37	2.04	5.36	2.10
	-5	-5.6	6.03	1.97	6.01	2.02	5.99	2.08	5.99	2.14	5.98	2.19
	0	-0.7	6.65	2.07	6.63	2.11	6.61	2.17	6.61	2.23	6.60	2.27
	7	6.0	7.40	2.17	7.38	2.21	7.36	2.25	7.08	2.18	6.67	2.04
	10	8.0	7.62	2.23	7.60	2.25	7.36	2.21	7.08	2.03	6.67	1.91
L	-10	-11.0	5.29	1.80	5.27	1.86	5.26	1.92	5.26	2.00	5.24	2.05
	-5	-5.6	5.90	1.92	5.88	1.97	5.86	2.03	5.86	2.10	5.85	2.14
	0	-0.7	6.51	2.02	6.49	2.06	6.47	2.12	6.47	2.18	6.45	2.22
	7	6.0	7.24	2.12	7.22	2.16	7.20	2.21	6.92	2.13	6.53	2.00
	10	8.0	7.45	2.18	7.43	2.21	7.20	2.16	6.92	1.99	6.53	1.86

Note:

DB: Dry bulb temp.
WB: Wet bulb temp.
TC: Total cooling(heating) capacity.
SHC: Sensible capacity
PI: Power input.

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

Cooling	Heating	Equivalent Piping Length
Indoor:27℃ /19℃ Outdoor:35℃	Indoor:20℃ Outdoor:7℃ /6℃	5m

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

3. The green table shows nominal MAX capacities.

GUD85ZD/A-T
Cooling

Fan Speed	Indoor Air Temperature ℃		Outdoor Dry Bulb Temperature ℃														
			20			25			30			35			40		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	20	14	5.52	5.34	1.15	5.52	5.34	1.34	5.52	5.34	1.44	5.52	5.34	1.56	5.52	5.34	1.69
	23	16	6.72	6.26	1.47	6.72	6.26	1.72	6.72	6.26	1.85	6.72	6.26	2.01	6.72	6.26	2.17
	26	18	7.60	6.84	1.75	7.60	6.84	2.05	7.60	6.84	2.20	7.60	6.84	2.39	7.60	6.84	2.58
	27	19	8.50	7.30	2.05	8.50	7.30	2.40	8.50	7.30	2.58	8.50	7.30	2.80	8.16	7.12	3.02
	30	22	8.76	7.56	2.08	8.76	7.38	2.43	8.76	7.17	2.61	8.76	7.00	2.83	8.41	6.82	3.06
	32	24	8.92	7.31	2.09	8.92	7.08	2.44	8.92	6.90	2.63	8.92	6.70	2.85	8.57	6.53	3.08
H	20	14	5.35	5.18	1.11	5.35	5.18	1.30	5.35	5.18	1.40	5.35	5.18	1.52	5.35	5.18	1.64
	23	16	6.51	6.07	1.43	6.51	6.07	1.67	6.51	6.07	1.80	6.51	6.07	1.95	6.51	6.07	2.11
	26	18	7.37	6.63	1.70	7.37	6.63	1.99	7.37	6.63	2.14	7.37	6.63	2.32	7.37	6.63	2.51
	27	19	8.25	7.08	1.99	8.25	7.08	2.33	8.25	7.08	2.50	8.25	7.08	2.72	7.92	6.90	2.93
	30	22	8.49	7.34	2.01	8.49	7.16	2.36	8.49	6.95	2.53	8.49	6.79	2.75	8.15	6.62	2.97
	32	24	8.65	7.09	2.03	8.65	6.87	2.37	8.65	6.69	2.55	8.65	6.50	2.77	8.31	6.33	2.99

Fan Speed	Indoor Air Temperature °C		Outdoor Dry Bulb Temperature °C														
			20			25			30			35			40		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
M	20	14	5.08	4.91	1.05	5.08	4.91	1.23	5.08	4.91	1.32	5.08	4.91	1.44	5.08	4.91	1.55
	23	16	6.18	5.76	1.35	6.18	5.76	1.59	6.18	5.76	1.70	6.18	5.76	1.85	6.18	5.76	2.00
	26	18	6.99	6.29	1.61	6.99	6.29	1.89	6.99	6.29	2.03	6.99	6.29	2.20	6.99	6.29	2.38
	27	19	7.82	6.72	1.89	7.82	6.72	2.21	7.82	6.72	2.37	7.82	6.72	2.58	7.51	6.55	2.78
	30	22	8.05	6.96	1.91	8.05	6.79	2.23	8.05	6.59	2.40	8.05	6.44	2.61	7.73	6.28	2.82
	32	24	8.21	6.72	1.92	8.21	6.52	2.25	8.21	6.35	2.42	8.21	6.16	2.63	7.88	6.01	2.84
L	20	14	4.97	4.80	1.03	4.97	4.80	1.21	4.97	4.80	1.30	4.97	4.80	1.41	4.97	4.80	1.52
	23	16	6.04	5.63	1.33	6.04	5.63	1.55	6.04	5.63	1.67	6.04	5.63	1.81	6.04	5.63	1.95
	26	18	6.84	6.15	1.58	6.84	6.15	1.85	6.84	6.15	1.98	6.84	6.15	2.15	6.84	6.15	2.33
	27	19	7.65	6.57	1.85	7.65	6.57	2.16	7.65	6.57	2.32	7.65	6.57	2.52	7.34	6.40	2.72
	30	22	7.88	6.81	1.87	7.88	6.64	2.19	7.88	6.45	2.35	7.88	6.30	2.55	7.56	6.14	2.75
	32	24	8.03	6.58	1.88	8.03	6.38	2.20	8.03	6.21	2.36	8.03	6.03	2.57	7.71	5.88	2.77

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	-11.0	6.47	2.17	6.45	2.23	6.43	2.31	6.43	2.40	6.40	2.47
	-5	-5.6	7.21	2.31	7.19	2.37	7.17	2.45	7.17	2.52	7.15	2.57
	0	-0.7	7.95	2.43	7.93	2.48	7.91	2.55	7.91	2.62	7.89	2.66
	7	6.0	8.84	2.55	8.82	2.60	8.80	2.65	8.46	2.56	7.98	2.40
	10	8.0	9.11	2.62	9.09	2.65	8.80	2.60	8.46	2.39	7.98	2.24
H	-10	-11.0	6.27	2.10	6.25	2.17	6.23	2.24	6.23	2.33	6.21	2.39
	-5	-5.6	6.99	2.24	6.97	2.30	6.95	2.37	6.95	2.44	6.93	2.49
	0	-0.7	7.71	2.36	7.69	2.40	7.67	2.47	7.67	2.54	7.65	2.58
	7	6.0	8.58	2.47	8.56	2.52	8.54	2.57	8.21	2.49	7.74	2.33
	10	8.0	8.83	2.54	8.81	2.57	8.54	2.52	8.21	2.31	7.74	2.17
M	-10	-11.0	5.95	2.00	5.93	2.06	5.91	2.13	5.91	2.21	5.89	2.27
	-5	-5.6	6.63	2.13	6.61	2.18	6.59	2.25	6.59	2.32	6.57	2.37
	0	-0.7	7.32	2.24	7.30	2.28	7.28	2.35	7.28	2.41	7.26	2.45
	7	6.0	8.14	2.35	8.12	2.39	8.10	2.44	7.78	2.36	7.34	2.21
	10	8.0	8.38	2.41	8.36	2.44	8.10	2.39	7.78	2.20	7.34	2.06
L	-10	-11.0	5.82	1.95	5.80	2.01	5.78	2.08	5.78	2.16	5.76	2.22
	-5	-5.6	6.49	2.08	6.47	2.14	6.45	2.20	6.45	2.27	6.43	2.31
	0	-0.7	7.16	2.19	7.14	2.23	7.12	2.30	7.12	2.36	7.10	2.40
	7	6.0	7.96	2.30	7.94	2.34	7.92	2.39	7.62	2.31	7.18	2.16
	10	8.0	8.20	2.36	8.18	2.39	7.92	2.34	7.62	2.15	7.18	2.02

Note:

DB: Dry bulb temp.
WB: Wet bulb temp.
TC: Total cooling(heating) capacity.
SHC: Sensible capacity
PI: Power input.

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

Cooling	Heating	Equivalent Piping Length
Indoor:27℃ /19℃ Outdoor:35℃	Indoor:20℃ Outdoor:7℃ /6℃	5m

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

3. The green table shows nominal MAX capacities.

GUD100ZD/A-T
Cooling

Fan Speed	Indoor Air Temperature ℃		Outdoor Dry Bulb Temperature ℃														
			20			25			30			35			40		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	20	14	6.49	5.61	1.31	6.49	5.61	1.53	6.49	5.61	1.64	6.49	5.61	1.79	6.49	5.61	1.93
	23	16	7.90	6.58	1.68	7.90	6.58	1.97	7.90	6.58	2.11	7.90	6.58	2.30	7.90	6.58	2.48
	26	18	8.94	7.19	2.00	8.94	7.19	2.34	8.94	7.19	2.52	8.94	7.19	2.74	8.94	7.19	2.95
	27	19	10.00	7.68	2.34	10.00	7.68	2.74	10.00	7.68	2.94	10.00	7.68	3.20	9.60	7.48	3.46
	30	22	10.30	7.95	2.37	10.30	7.76	2.77	10.30	7.53	2.98	10.30	7.36	3.24	9.89	7.17	3.50
	32	24	10.50	7.68	2.39	10.50	7.45	2.79	10.50	7.25	3.00	10.50	7.04	3.26	10.08	6.87	3.52
H	20	14	6.30	5.44	1.27	6.30	5.44	1.49	6.30	5.44	1.60	6.30	5.44	1.73	6.30	5.44	1.87
	23	16	7.66	6.38	1.63	7.66	6.38	1.91	7.66	6.38	2.05	7.66	6.38	2.23	7.66	6.38	2.41
	26	18	8.67	6.97	1.94	8.67	6.97	2.27	8.67	6.97	2.44	8.67	6.97	2.65	8.67	6.97	2.87
	27	19	9.70	7.44	2.27	9.70	7.44	2.66	9.70	7.44	2.86	9.70	7.44	3.10	9.31	7.26	3.35
	30	22	9.99	7.71	2.30	9.99	7.53	2.69	9.99	7.31	2.89	9.99	7.14	3.14	9.59	6.96	3.39
	32	24	10.18	7.45	2.32	10.18	7.22	2.71	10.18	7.03	2.91	10.18	6.83	3.16	9.77	6.66	3.42
M	20	14	5.97	5.16	1.20	5.97	5.16	1.41	5.97	5.16	1.51	5.97	5.16	1.64	5.97	5.16	1.78
	23	16	7.27	6.06	1.55	7.27	6.06	1.81	7.27	6.06	1.95	7.27	6.06	2.11	7.27	6.06	2.28
	26	18	8.22	6.61	1.84	8.22	6.61	2.16	8.22	6.61	2.32	8.22	6.61	2.52	8.22	6.61	2.72
	27	19	9.20	7.06	2.16	9.20	7.06	2.52	9.20	7.06	2.71	9.20	7.06	2.94	8.83	6.88	3.18
	30	22	9.48	7.32	2.18	9.48	7.14	2.55	9.48	6.93	2.74	9.48	6.77	2.98	9.10	6.60	3.22
	32	24	9.66	7.07	2.20	9.66	6.85	2.57	9.66	6.67	2.76	9.66	6.48	3.00	9.27	6.32	3.24
L	20	14	5.84	5.05	1.18	5.84	5.05	1.38	5.84	5.05	1.48	5.84	5.05	1.61	5.84	5.05	1.74
	23	16	7.11	5.92	1.51	7.11	5.92	1.77	7.11	5.92	1.90	7.11	5.92	2.07	7.11	5.92	2.23
	26	18	8.04	6.47	1.80	8.04	6.47	2.11	8.04	6.47	2.27	8.04	6.47	2.46	8.04	6.47	2.66
	27	19	9.00	6.91	2.11	9.00	6.91	2.47	9.00	6.91	2.65	9.00	6.91	2.88	8.64	6.73	3.11
	30	22	9.27	7.16	2.13	9.27	6.98	2.50	9.27	6.78	2.68	9.27	6.62	2.91	8.90	6.46	3.15
	32	24	9.45	6.91	2.15	9.45	6.70	2.51	9.45	6.53	2.70	9.45	6.34	2.93	9.07	6.18	3.17

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	-11.0	8.82	2.78	8.79	2.87	8.76	2.97	8.76	3.08	8.73	3.16
	-5	-5.6	9.83	2.97	9.80	3.04	9.77	3.14	9.77	3.23	9.75	3.30
	0	-0.7	10.84	3.12	10.82	3.18	10.78	3.27	10.78	3.36	10.76	3.42
	7	6.0	12.06	3.27	12.03	3.33	12.00	3.40	11.54	3.29	10.88	3.08
	10	8.0	12.42	3.36	12.39	3.40	12.00	3.33	11.54	3.06	10.88	2.88
H	-10	-11.0	8.55	2.70	8.53	2.78	8.50	2.88	8.50	2.99	8.47	3.07
	-5	-5.6	9.54	2.88	9.51	2.95	9.48	3.04	9.48	3.13	9.45	3.20
	0	-0.7	10.52	3.03	10.49	3.08	10.46	3.17	10.46	3.26	10.43	3.31
	7	6.0	11.70	3.17	11.67	3.23	11.64	3.30	11.19	3.19	10.55	2.99
	10	8.0	12.05	3.26	12.02	3.30	11.64	3.23	11.19	2.97	10.55	2.79
M	-10	-11.0	8.11	2.56	8.09	2.64	8.06	2.73	8.06	2.83	8.03	2.91
	-5	-5.6	9.05	2.73	9.02	2.80	8.99	2.89	8.99	2.97	8.97	3.03
	0	-0.7	9.98	2.87	9.95	2.93	9.92	3.01	9.92	3.09	9.90	3.14
	7	6.0	11.09	3.01	11.07	3.07	11.04	3.13	10.62	3.03	10.01	2.83
	10	8.0	11.43	3.09	11.40	3.13	11.04	3.07	10.62	2.82	10.01	2.65
L	-10	-11.0	7.94	2.50	7.91	2.58	7.89	2.67	7.89	2.77	7.86	2.85
	-5	-5.6	8.85	2.67	8.82	2.74	8.80	2.82	8.80	2.91	8.77	2.97
	0	-0.7	9.76	2.81	9.73	2.86	9.71	2.95	9.71	3.02	9.68	3.08
	7	6.0	10.85	2.95	10.83	3.00	10.80	3.06	10.39	2.96	9.79	2.77
	10	8.0	11.18	3.02	11.15	3.06	10.80	3.00	10.39	2.76	9.79	2.59

Note:

DB: Dry bulb temp.
WB: Wet bulb temp.
TC: Total cooling(heating) capacity.
SHC: Sensible capacity
PI: Power input.

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

Cooling	Heating	Equivalent Piping Length
Indoor:27˚C /19˚C Outdoor:35˚C	Indoor:20˚C Outdoor:7˚C /6˚C	5m

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

3. The green table shows nominal MAX capacities.

GUD125ZD/A-T

Cooling

Fan Speed	Indoor Air Temperature °C		Outdoor Dry Bulb Temperature °C														
			20			25			30			35			40		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	20	14	7.86	6.84	1.80	7.86	6.84	2.11	7.86	6.84	2.26	7.86	6.84	2.46	7.86	6.84	2.65
	23	16	9.56	8.02	2.31	9.56	8.02	2.71	9.56	8.02	2.91	9.56	8.02	3.16	9.56	8.02	3.41
	26	18	10.81	8.76	2.75	10.81	8.76	3.22	10.81	8.76	3.46	10.81	8.76	3.76	10.81	8.76	4.06
	27	19	12.10	9.36	3.22	12.10	9.36	3.77	12.10	9.36	4.05	12.10	9.36	4.40	11.62	9.12	4.75
	30	22	12.46	9.70	3.26	12.46	9.46	3.82	12.46	9.19	4.10	12.46	8.97	4.45	11.97	8.75	4.81
	32	24	12.70	9.37	3.28	12.70	9.08	3.84	12.70	8.84	4.13	12.70	8.59	4.48	12.19	8.37	4.84
H	20	14	7.62	6.64	1.75	7.62	6.64	2.04	7.62	6.64	2.19	7.62	6.64	2.38	7.62	6.64	2.57
	23	16	9.27	7.78	2.24	9.27	7.78	2.63	9.27	7.78	2.82	9.27	7.78	3.07	9.27	7.78	3.31
	26	18	10.49	8.50	2.67	10.49	8.50	3.13	10.49	8.50	3.36	10.49	8.50	3.65	10.49	8.50	3.94
	27	19	11.74	9.08	3.13	11.74	9.08	3.66	11.74	9.08	3.93	11.74	9.08	4.27	11.27	8.85	4.61
	30	22	12.09	9.41	3.16	12.09	9.18	3.70	12.09	8.91	3.97	12.09	8.70	4.32	11.61	8.48	4.66
	32	24	12.32	9.09	3.19	12.32	8.81	3.73	12.32	8.58	4.00	12.32	8.33	4.35	11.83	8.12	4.70
M	20	14	7.23	6.29	1.66	7.23	6.29	1.94	7.23	6.29	2.08	7.23	6.29	2.26	7.23	6.29	2.44
	23	16	8.80	7.38	2.13	8.80	7.38	2.49	8.80	7.38	2.68	8.80	7.38	2.91	8.80	7.38	3.14
	26	18	9.95	8.06	2.53	9.95	8.06	2.96	9.95	8.06	3.18	9.95	8.06	3.46	9.95	8.06	3.74
	27	19	11.13	8.61	2.96	11.13	8.61	3.47	11.13	8.61	3.73	11.13	8.61	4.05	10.69	8.39	4.37
	30	22	11.47	8.92	3.00	11.47	8.70	3.51	11.47	8.45	3.77	11.47	8.26	4.10	11.01	8.05	4.42
	32	24	11.68	8.62	3.02	11.68	8.35	3.53	11.68	8.13	3.80	11.68	7.90	4.13	11.22	7.70	4.46
L	20	14	7.07	6.16	1.62	7.07	6.16	1.89	7.07	6.16	2.04	7.07	6.16	2.21	7.07	6.16	2.39
	23	16	8.60	7.22	2.08	8.60	7.22	2.44	8.60	7.22	2.62	8.60	7.22	2.84	8.60	7.22	3.07
	26	18	9.73	7.89	2.48	9.73	7.89	2.90	9.73	7.89	3.11	9.73	7.89	3.38	9.73	7.89	3.66
	27	19	10.89	8.42	2.90	10.89	8.42	3.39	10.89	8.42	3.64	10.89	8.42	3.96	10.46	8.21	4.28
	30	22	11.22	8.73	2.93	11.22	8.51	3.43	11.22	8.27	3.69	11.22	8.08	4.01	10.77	7.87	4.33
	32	24	11.43	8.43	2.96	11.43	8.17	3.46	11.43	7.96	3.71	11.43	7.73	4.04	10.97	7.53	4.36

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	-11.0	9.92	3.36	9.89	3.46	9.86	3.58	9.86	3.71	9.82	3.82
	-5	-5.6	11.06	3.58	11.03	3.67	11.00	3.78	11.00	3.90	10.96	3.98
	0	-0.7	12.20	3.76	12.17	3.83	12.13	3.95	12.13	4.05	12.10	4.12
	7	6.0	13.57	3.95	13.53	4.02	13.50	4.10	12.98	3.97	12.24	3.71
	10	8.0	13.97	4.05	13.94	4.10	13.50	4.02	12.98	3.69	12.24	3.47
H	-10	-11.0	9.62	3.25	9.59	3.35	9.56	3.47	9.56	3.60	9.53	3.70
	-5	-5.6	10.73	3.47	10.70	3.56	10.67	3.67	10.67	3.78	10.63	3.86
	0	-0.7	11.83	3.65	11.80	3.72	11.77	3.83	11.77	3.93	11.74	4.00
	7	6.0	13.16	3.83	13.13	3.90	13.10	3.98	12.59	3.85	11.87	3.60
	10	8.0	13.55	3.93	13.52	3.98	13.10	3.90	12.59	3.58	11.87	3.36

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
M	-10	-11.0	9.13	3.09	9.10	3.18	9.07	3.29	9.07	3.42	9.04	3.51
	-5	-5.6	10.18	3.29	10.14	3.38	10.12	3.48	10.12	3.58	10.09	3.66
	0	-0.7	11.22	3.46	11.19	3.53	11.16	3.63	11.16	3.73	11.13	3.79
	7	6.0	12.48	3.63	12.45	3.70	12.42	3.77	11.94	3.65	11.26	3.41
	10	8.0	12.85	3.73	12.82	3.77	12.42	3.70	11.94	3.40	11.26	3.19
L	-10	-11.0	8.93	3.02	8.90	3.11	8.87	3.22	8.87	3.34	8.84	3.43
	-5	-5.6	9.96	3.22	9.92	3.30	9.90	3.40	9.90	3.51	9.87	3.58
	0	-0.7	10.98	3.39	10.95	3.45	10.92	3.55	10.92	3.64	10.89	3.71
	7	6.0	12.21	3.55	12.18	3.62	12.15	3.69	11.68	3.57	11.01	3.34
	10	8.0	12.57	3.65	12.54	3.69	12.15	3.62	11.68	3.32	11.01	3.12

Note:

DB: Dry bulb temp.
WB: Wet bulb temp.
TC: Total cooling(heating) capacity.
SHC: Sensible capacity
PI: Power input.

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

Cooling	Heating	Equivalent Piping Length
Indoor:27℃ /19℃ Outdoor:35℃	Indoor:20℃ Outdoor:7℃ /6℃	5m

2. Capacities are net , including a deduction for cooling(an addition for heating) for indoor fan motor heat.
3. The green table shows nominal MAX capacities.

GUD140ZD/A-T
Cooling

Fan Speed	Indoor Air Temperature ˚C		Outdoor Dry Bulb Temperature ˚C														
			20			25			30			35			40		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	20	14	8.70	8.26	1.82	8.70	8.26	2.13	8.70	8.26	2.29	8.70	8.26	2.49	8.70	8.26	2.68
	23	16	10.59	9.69	2.34	10.59	9.69	2.74	10.59	9.69	2.94	10.59	9.69	3.20	10.59	9.69	3.45
	26	18	11.97	10.58	2.79	11.97	10.58	3.26	11.97	10.58	3.50	11.97	10.58	3.80	11.97	10.58	4.11
	27	19	13.40	11.30	3.26	13.40	11.30	3.81	13.40	11.30	4.09	13.40	11.30	4.45	12.86	11.01	4.81
	30	22	13.80	11.71	3.30	13.80	11.43	3.86	13.80	11.09	4.14	13.80	10.84	4.50	13.25	10.56	4.86
	32	24	14.06	11.31	3.32	14.06	10.97	3.89	14.06	10.68	4.17	14.06	10.37	4.53	13.50	10.11	4.90
H	20	14	8.44	8.01	1.77	8.44	8.01	2.07	8.44	8.01	2.22	8.44	8.01	2.41	8.44	8.01	2.60
	23	16	10.27	9.40	2.27	10.27	9.40	2.66	10.27	9.40	2.85	10.27	9.40	3.10	10.27	9.40	3.35
	26	18	11.62	10.27	2.70	11.62	10.27	3.16	11.62	10.27	3.39	11.62	10.27	3.69	11.62	10.27	3.98
	27	19	13.00	10.96	3.16	13.00	10.96	3.70	13.00	10.96	3.97	13.00	10.96	4.32	12.48	10.68	4.66
	30	22	13.39	11.36	3.20	13.39	11.08	3.74	13.39	10.76	4.02	13.39	10.51	4.37	12.85	10.25	4.72
	32	24	13.64	10.97	3.22	13.64	10.64	3.77	13.64	10.36	4.05	13.64	10.06	4.40	13.10	9.81	4.75

Fan Speed	Indoor Air Temperature °C		Outdoor Dry Bulb Temperature °C														
			20			25			30			35			40		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
M	20	14	8.00	7.60	1.67	8.00	7.60	1.96	8.00	7.60	2.10	8.00	7.60	2.29	8.00	7.60	2.47
	23	16	9.74	8.91	2.15	9.74	8.91	2.52	9.74	8.91	2.71	9.74	8.91	2.94	9.74	8.91	3.18
	26	18	11.02	9.74	2.56	11.02	9.74	3.00	11.02	9.74	3.22	11.02	9.74	3.50	11.02	9.74	3.78
	27	19	12.33	10.40	3.00	12.33	10.40	3.51	12.33	10.40	3.77	12.33	10.40	4.09	11.84	10.13	4.42
	30	22	12.70	10.77	3.03	12.70	10.51	3.55	12.70	10.21	3.81	12.70	9.97	4.14	12.19	9.72	4.47
	32	24	12.94	10.41	3.06	12.94	10.09	3.57	12.94	9.82	3.84	12.94	9.54	4.17	12.42	9.30	4.51
L	20	14	7.83	7.43	1.64	7.83	7.43	1.92	7.83	7.43	2.06	7.83	7.43	2.24	7.83	7.43	2.42
	23	16	9.53	8.72	2.11	9.53	8.72	2.46	9.53	8.72	2.65	9.53	8.72	2.88	9.53	8.72	3.11
	26	18	10.78	9.53	2.51	10.78	9.53	2.93	10.78	9.53	3.15	10.78	9.53	3.42	10.78	9.53	3.70
	27	19	12.06	10.17	2.93	12.06	10.17	3.43	12.06	10.17	3.69	12.06	10.17	4.01	11.58	9.91	4.33
	30	22	12.42	10.54	2.97	12.42	10.28	3.47	12.42	9.98	3.73	12.42	9.75	4.05	11.93	9.51	4.38
	32	24	12.66	10.18	2.99	12.66	9.87	3.50	12.66	9.61	3.76	12.66	9.33	4.08	12.15	9.10	4.41

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	-11.0	11.39	3.76	11.35	3.88	11.32	4.02	11.32	4.17	11.28	4.28
	-5	-5.6	12.70	4.02	12.66	4.12	12.62	4.24	12.62	4.37	12.59	4.46
	0	-0.7	14.01	4.22	13.97	4.30	13.93	4.43	13.93	4.54	13.89	4.62
	7	6.0	15.58	4.43	15.54	4.51	15.50	4.60	14.90	4.45	14.05	4.16
	10	8.0	16.04	4.54	16.00	4.60	15.50	4.51	14.90	4.14	14.05	3.89
H	-10	-11.0	11.05	3.65	11.01	3.76	10.98	3.89	10.98	4.04	10.94	4.15
	-5	-5.6	12.32	3.89	12.28	3.99	12.25	4.12	12.25	4.24	12.21	4.33
	0	-0.7	13.59	4.09	13.55	4.17	13.51	4.30	13.51	4.41	13.48	4.48
	7	6.0	15.11	4.30	15.07	4.37	15.04	4.46	14.46	4.32	13.63	4.04
	10	8.0	15.56	4.41	15.52	4.46	15.04	4.37	14.46	4.02	13.63	3.77
M	-10	-11.0	10.48	3.46	10.45	3.57	10.41	3.69	10.41	3.83	10.38	3.94
	-5	-5.6	11.68	3.69	11.65	3.79	11.61	3.91	11.61	4.02	11.58	4.11
	0	-0.7	12.89	3.88	12.85	3.96	12.82	4.07	12.82	4.18	12.78	4.25
	7	6.0	14.33	4.07	14.30	4.15	14.26	4.23	13.71	4.09	12.93	3.83
	10	8.0	14.76	4.18	14.72	4.23	14.26	4.15	13.71	3.81	12.93	3.58
L	-10	-11.0	10.25	3.39	10.22	3.49	10.19	3.61	10.19	3.75	10.15	3.85
	-5	-5.6	11.43	3.61	11.39	3.71	11.36	3.82	11.36	3.93	11.33	4.02
	0	-0.7	12.61	3.80	12.57	3.87	12.54	3.99	12.54	4.09	12.50	4.16
	7	6.0	14.02	3.99	13.99	4.06	13.95	4.14	13.41	4.01	12.64	3.75
	10	8.0	14.44	4.09	14.40	4.14	13.95	4.06	13.41	3.73	12.64	3.50

Note:

DB: Dry bulb temp.
WB: Wet bulb temp.
TC: Total cooling(heating) capacity.
SHC: Sensible capacity
PI: Power input.
1. The above data are based on the following conditions.

Cooling	Heating	Equivalent Piping Length
Indoor:27℃ /19℃ Outdoor:35℃	Indoor:20℃ Outdoor:7℃ /6℃	7.5m

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

3. The green table shows nominal MAX capacities.

GUD160ZD/A-T

Cooling

Fan Speed	Indoor Air Temperature ℃		Outdoor Dry Bulb Temperature ℃														
			20			25			30			35			40		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	DB	WB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
Turbo	20	14	10.39	9.87	2.23	10.39	9.87	2.61	10.39	9.87	2.80	10.39	9.87	3.04	10.39	9.87	3.29
	23	16	12.64	11.58	2.87	12.64	11.58	3.35	12.64	11.58	3.60	12.64	11.58	3.91	12.64	11.58	4.23
	26	18	14.30	12.65	3.41	14.30	12.65	3.99	14.30	12.65	4.29	14.30	12.65	4.66	14.30	12.65	5.03
	27	19	16.00	13.50	3.99	16.00	13.50	4.67	16.00	13.50	5.02	16.00	13.50	5.45	15.36	13.16	5.89
	30	22	16.48	13.99	4.04	16.48	13.65	4.73	16.48	13.25	5.08	16.48	12.95	5.52	15.82	12.62	5.96
	32	24	16.79	13.51	4.07	16.79	13.10	4.76	16.79	12.75	5.11	16.79	12.39	5.55	16.12	12.08	6.00
H	20	14	10.08	9.57	2.16	10.08	9.57	2.53	10.08	9.57	2.72	10.08	9.57	2.95	10.08	9.57	3.19
	23	16	12.26	11.23	2.78	12.26	11.23	3.25	12.26	11.23	3.49	12.26	11.23	3.80	12.26	11.23	4.10
	26	18	13.87	12.27	3.31	13.87	12.27	3.87	13.87	12.27	4.16	13.87	12.27	4.52	13.87	12.27	4.88
	27	19	15.52	13.10	3.87	15.52	13.10	4.53	15.52	13.10	4.86	15.52	13.10	5.29	14.90	12.76	5.71
	30	22	15.99	13.57	3.92	15.99	13.24	4.58	15.99	12.85	4.92	15.99	12.56	5.35	15.35	12.24	5.78
	32	24	16.29	13.11	3.95	16.29	12.71	4.62	16.29	12.37	4.96	16.29	12.02	5.39	15.64	11.71	5.82
M	20	14	9.56	9.08	2.05	9.56	9.08	2.40	9.56	9.08	2.58	9.56	9.08	2.80	9.56	9.08	3.02
	23	16	11.63	10.65	2.64	11.63	10.65	3.09	11.63	10.65	3.31	11.63	10.65	3.60	11.63	10.65	3.89
	26	18	13.15	11.63	3.14	13.15	11.63	3.67	13.15	11.63	3.94	13.15	11.63	4.29	13.15	11.63	4.63
	27	19	14.72	12.42	3.67	14.72	12.42	4.30	14.72	12.42	4.61	14.72	12.42	5.01	14.13	12.11	5.42
	30	22	15.16	12.87	3.72	15.16	12.56	4.35	15.16	12.19	4.67	15.16	11.91	5.07	14.56	11.61	5.48
	32	24	15.45	12.43	3.74	15.45	12.05	4.38	15.45	11.73	4.70	15.45	11.40	5.11	14.83	11.11	5.52
L	20	14	9.35	8.88	2.01	9.35	8.88	2.35	9.35	8.88	2.52	9.35	8.88	2.74	9.35	8.88	2.96
	23	16	11.38	10.42	2.58	11.38	10.42	3.02	11.38	10.42	3.24	11.38	10.42	3.52	11.38	10.42	3.80
	26	18	12.87	11.38	3.07	12.87	11.38	3.59	12.87	11.38	3.86	12.87	11.38	4.19	12.87	11.38	4.53
	27	19	14.40	12.15	3.59	14.40	12.15	4.20	14.40	12.15	4.51	14.40	12.15	4.91	13.82	11.84	5.30
	30	22	14.83	12.59	3.64	14.83	12.29	4.25	14.83	11.93	4.57	14.83	11.65	4.96	14.24	11.36	5.36
	32	24	15.11	12.16	3.66	15.11	11.79	4.28	15.11	11.48	4.60	15.11	11.15	5.00	14.51	10.87	5.40

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	-11.0	12.49	4.09	12.45	4.21	12.41	4.36	12.41	4.53	12.37	4.65
	-5	-5.6	13.93	4.36	13.89	4.48	13.85	4.61	13.85	4.75	13.81	4.85
	0	-0.7	15.36	4.59	15.32	4.68	15.28	4.81	15.28	4.94	15.24	5.03
	7	6.0	17.08	4.81	17.04	4.90	17.00	5.00	16.35	4.84	15.41	4.53
	10	8.0	17.59	4.94	17.55	5.00	17.00	4.90	16.35	4.50	15.41	4.23
H	-10	-11.0	12.12	3.97	12.08	4.09	12.04	4.23	12.04	4.39	12.00	4.51
	-5	-5.6	13.51	4.23	13.47	4.34	13.43	4.48	13.43	4.61	13.39	4.71
	0	-0.7	14.90	4.45	14.86	4.54	14.82	4.67	14.82	4.79	14.78	4.87
	7	6.0	16.57	4.67	16.53	4.75	16.49	4.85	15.86	4.69	14.95	4.39
	10	8.0	17.07	4.79	17.03	4.85	16.49	4.75	15.86	4.37	14.95	4.10
M	-10	-11.0	11.49	3.76	11.46	3.88	11.42	4.02	11.42	4.17	11.38	4.28
	-5	-5.6	12.81	4.02	12.77	4.12	12.74	4.24	12.74	4.37	12.70	4.46
	0	-0.7	14.13	4.22	14.10	4.30	14.06	4.43	14.06	4.54	14.02	4.62
	7	6.0	15.72	4.43	15.68	4.51	15.64	4.60	15.04	4.45	14.18	4.16
	10	8.0	16.19	4.54	16.15	4.60	15.64	4.51	15.04	4.14	14.18	3.89
L	-10	-11.0	11.24	3.68	11.21	3.79	11.17	3.93	11.17	4.07	11.13	4.19
	-5	-5.6	12.54	3.93	12.50	4.03	12.46	4.15	12.46	4.28	12.43	4.37
	0	-0.7	13.83	4.13	13.79	4.21	13.75	4.33	13.75	4.44	13.71	4.52
	7	6.0	15.37	4.33	15.34	4.41	15.30	4.50	14.71	4.35	13.87	4.07
	10	8.0	15.83	4.45	15.80	4.50	15.30	4.41	14.71	4.05	13.87	3.81

Note:

DB: Dry bulb temp.
WB: Wet bulb temp.
TC: Total cooling(heating) capacity.
SHC: Sensible capacity
PI: Power input.

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

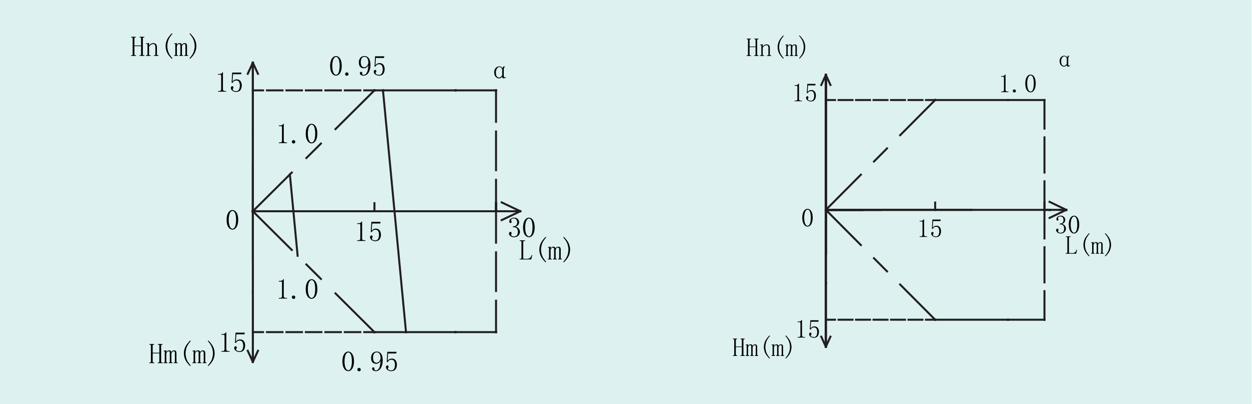
Cooling	Heating	Equivalent Piping Length
Indoor:27°C /19°C Outdoor:35°C	Indoor:20°C Outdoor:7°C /6°C	7.5m

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

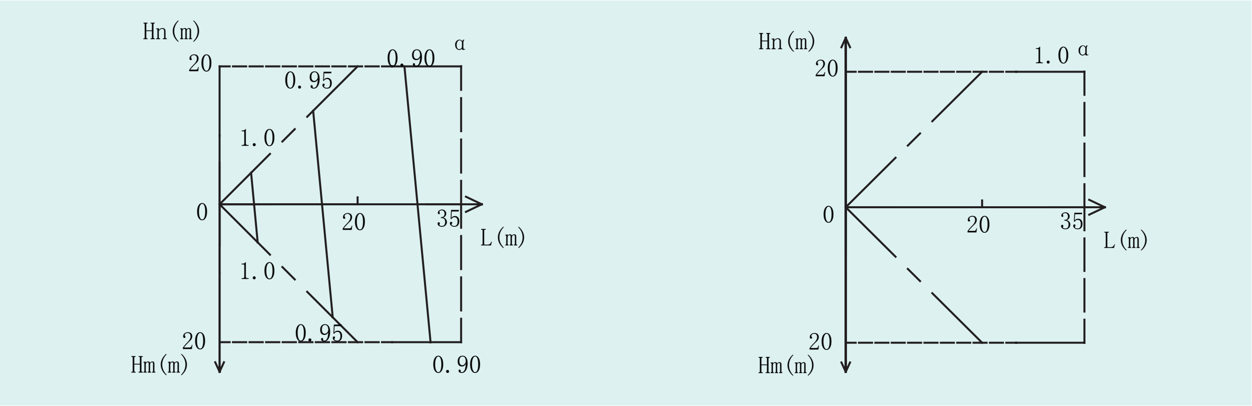
3. The green table shows nominal MAX capacities.

6.2 Pipe Length Drop Capacity Correction

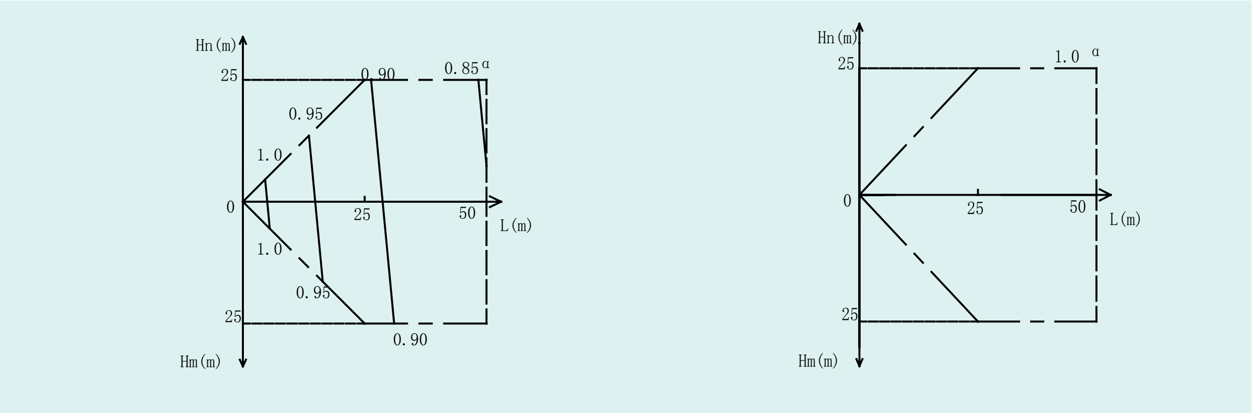
GUD35T/A-T; GUD35P/A-T; GUD35PS/A-T; GUD35ZD/A-T
Cooling Heating



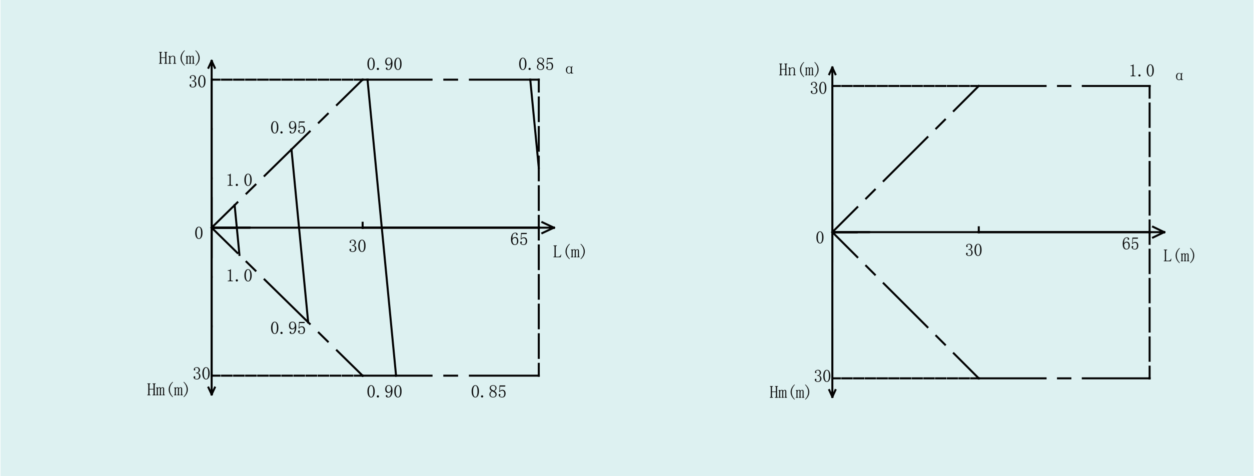
GUD50T/A-T; GUD50P/A-T; GUD50PS/A-T; GUD50ZD/A-T
Cooling Heating



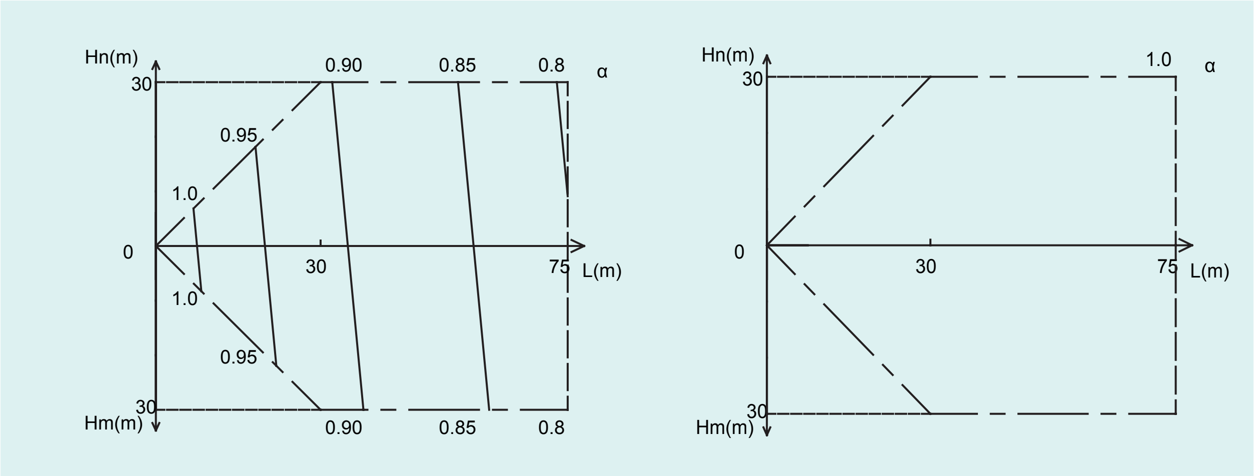
GUD71T/A-T; GUD71P/A-T; GUD71PS/A-T; GUD71ZD/A-T
GUD85T/A-T; GUD85P/A-T; GUD85PS/A-T; GUD85ZD/A-T
Cooling Heating



GUD100T/A-T; GUD100PH/A-T; GUD100PHS/A-T; GUD100ZD/A-T
Cooling Heating



GUD125T/A-T; GUD125PH/A-T; GUD125PHS/A-T; GUD125ZD/A-T
GUD140T/A-T; GUD140PH/A-T; GUD140PHS/A-T; GUD140ZD/A-T
GUD160T/A-T; GUD160PH/A-T; GUD160PHS/A-T; GUD160ZD/A-T
Cooling Heating



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

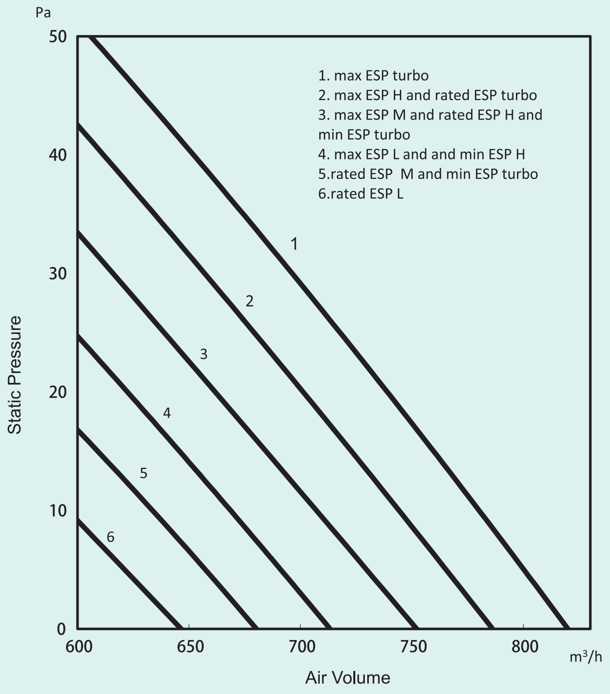
Cooling\heating capacity = the corresponding capacity in the table of cooling/heating performance * correction rate

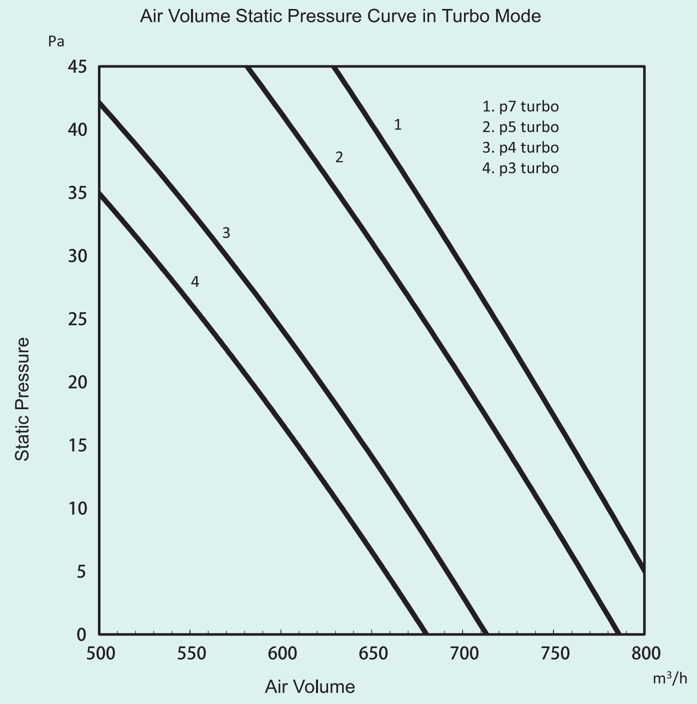
Pipeline dimensions
L：Length of connection pipe
Hn：ODU is lower than IDU
Hm：ODU is higher than IDU
α：Capacity correction factor

Model	Gas pipe(in.)	Liquid pipe(in.)
GUD35W/NhA-T	3/8	1/4
GUD50W/NhA-T	1/2	
GUD71W/NhA-T	5/8	3/8
GUD85W/NhA-T		
GUD100W/NhA-T GUD100W/NhA-X		
GUD125W/NhA-T GUD125W/NhA-X		
GUD140W/NhA-T GUD140W/NhA-X		
GUD160W/NhA-X		

7 AIR VOLUME STATIC PRESSURE CURVE

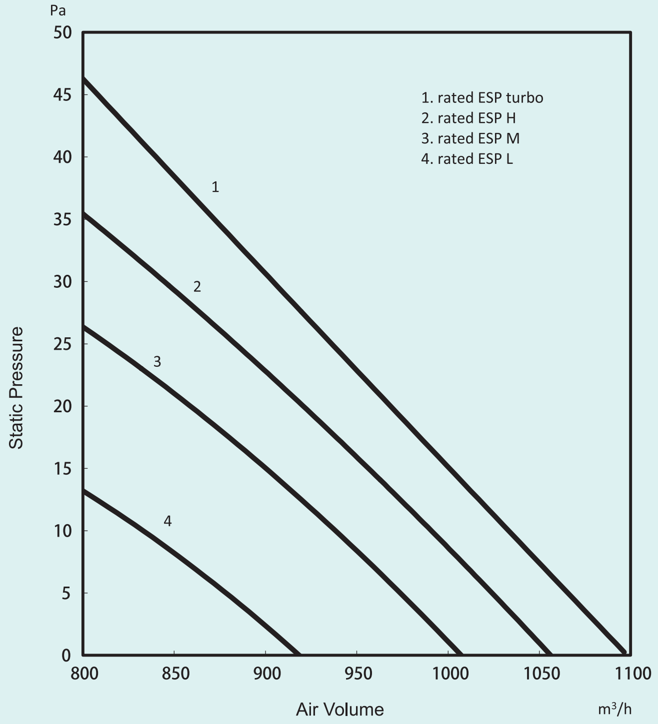
GUD35P/A-T, GUD35PS/A-T

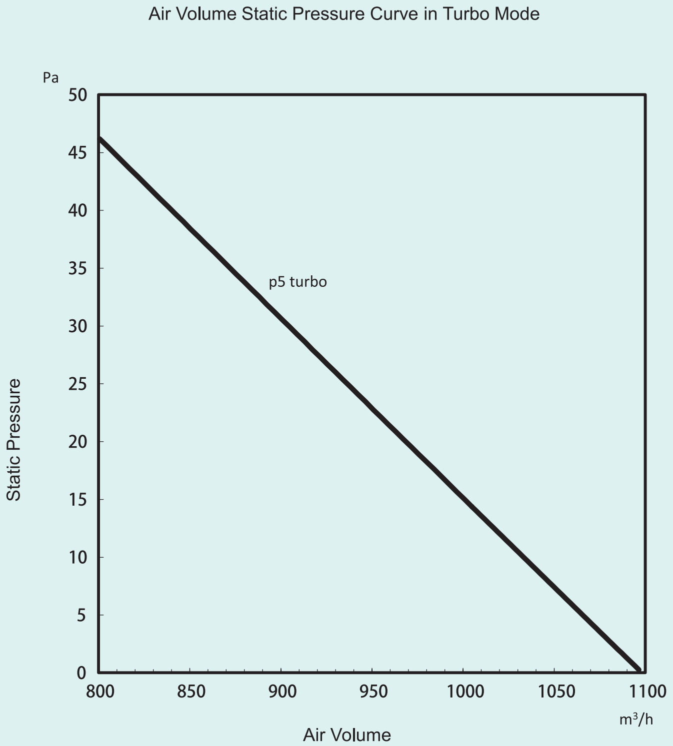




1. The external static pressure (ESP) can be changed in 5 levels by the remote controller.
2. The remote controller can be used to change turbo, H, M and L.
3. ESP: external static pressure.

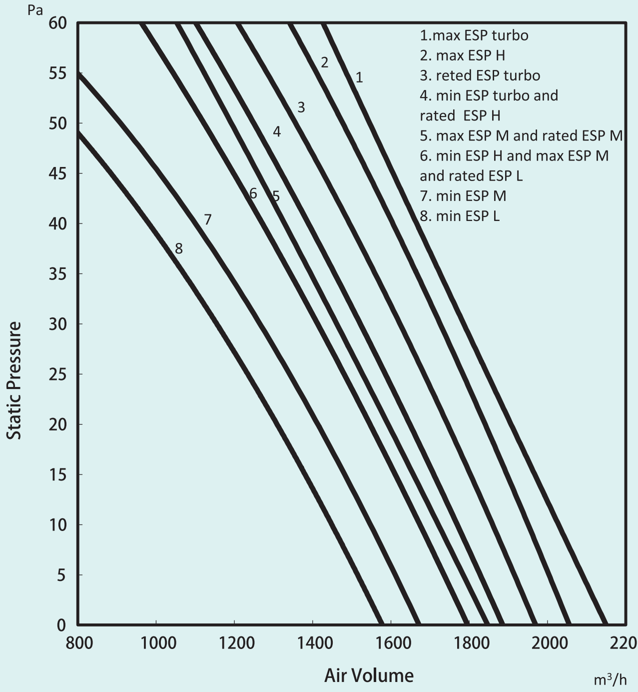
GUD50P/A-T, GUD50PS/A-T

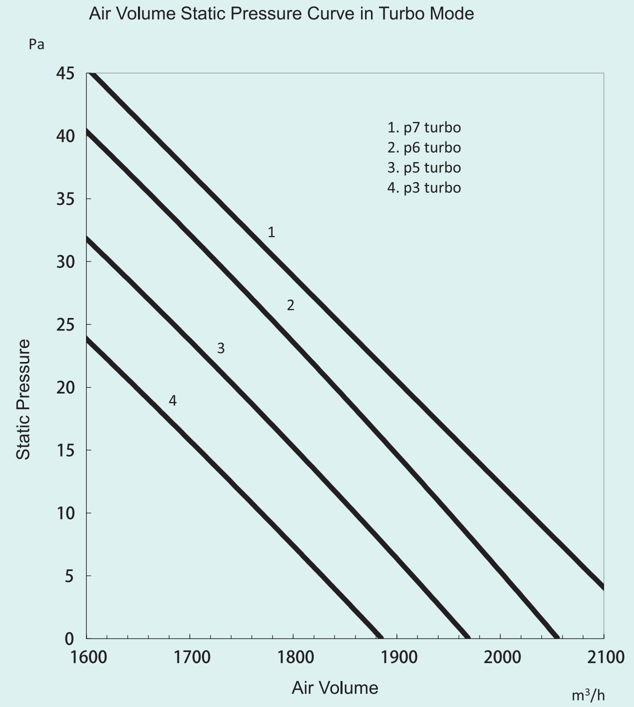




1. The external static pressure (ESP) can be changed in 5 levels by the remote controller.
2. The remote controller can be used to change turbo, H, M and L.
3. ESP: external static pressure.

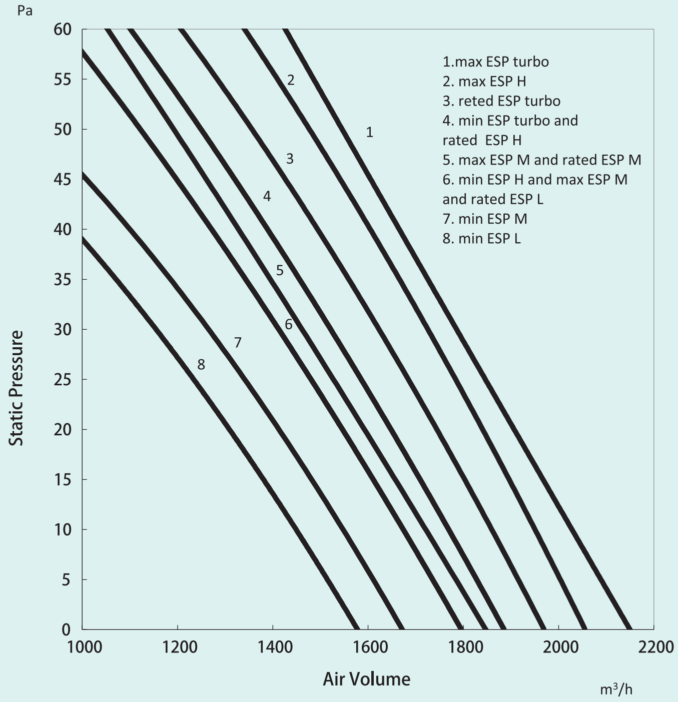
GUD71P/A-T, GUD71PS/A-T

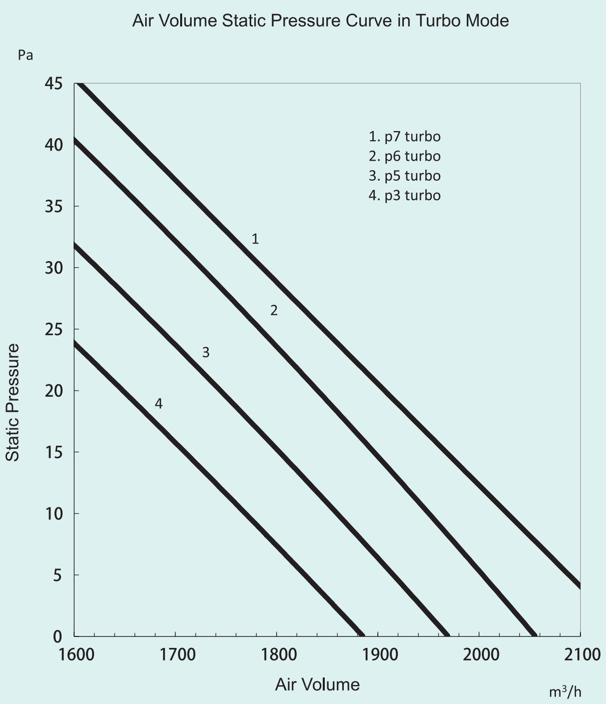




1. The external static pressure (ESP) can be changed in 5 levels by the remote controller.
2. The remote controller can be used to change turbo, H, M and L.
3. ESP: external static pressure.

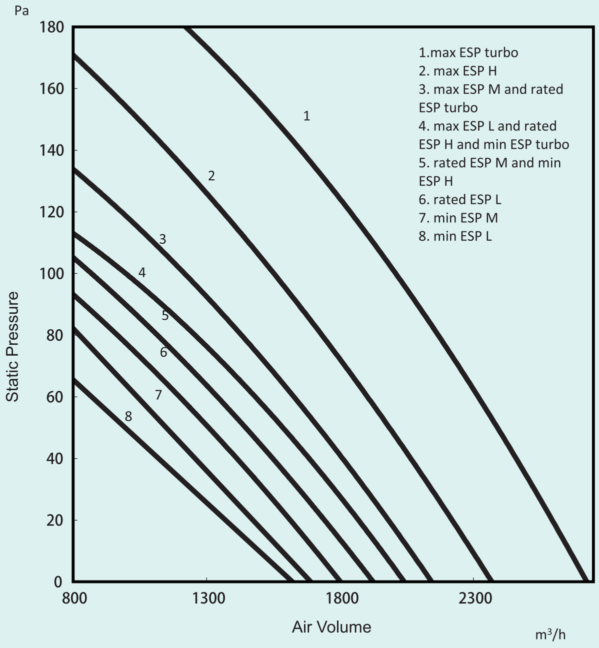
GUD85P/A-T, GUD85PS/A-T

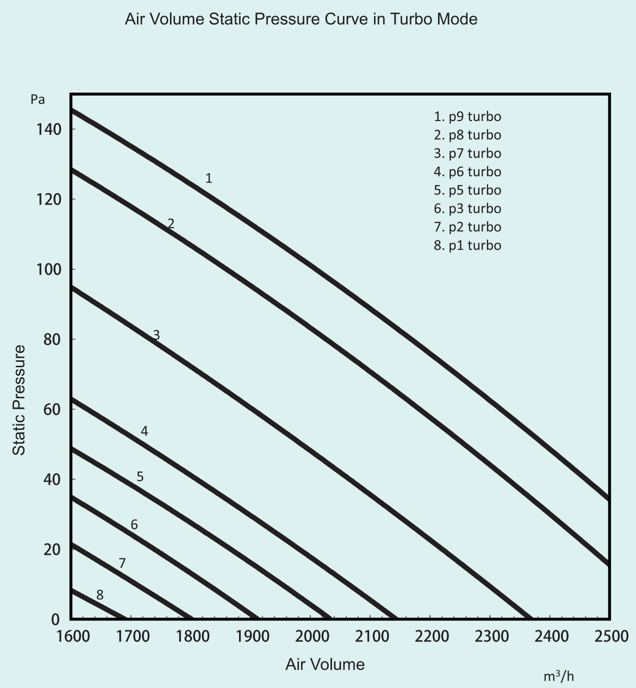




1. The external static pressure (ESP) can be changed in 5 levels by the remote controller.
2. The remote controller can be used to change turbo, H, M and L.
3. ESP: external static pressure.

GUD100PH/A-T , GUD100PHS/A-T

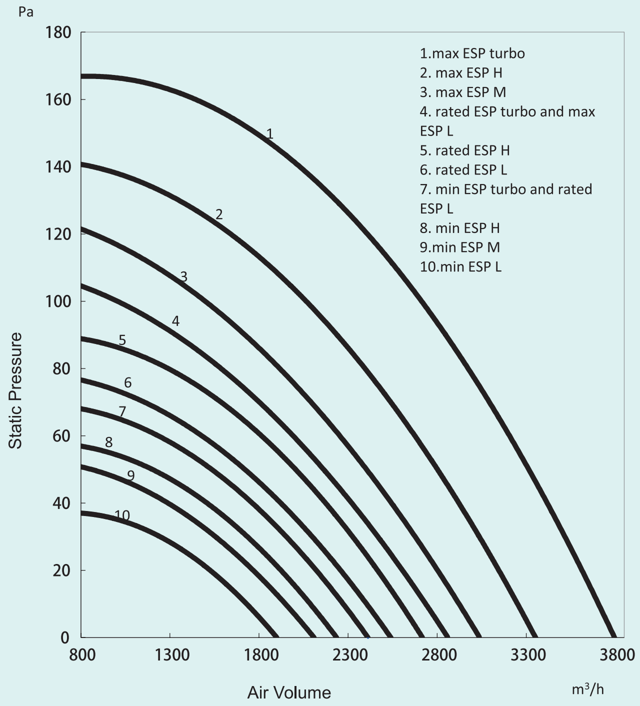


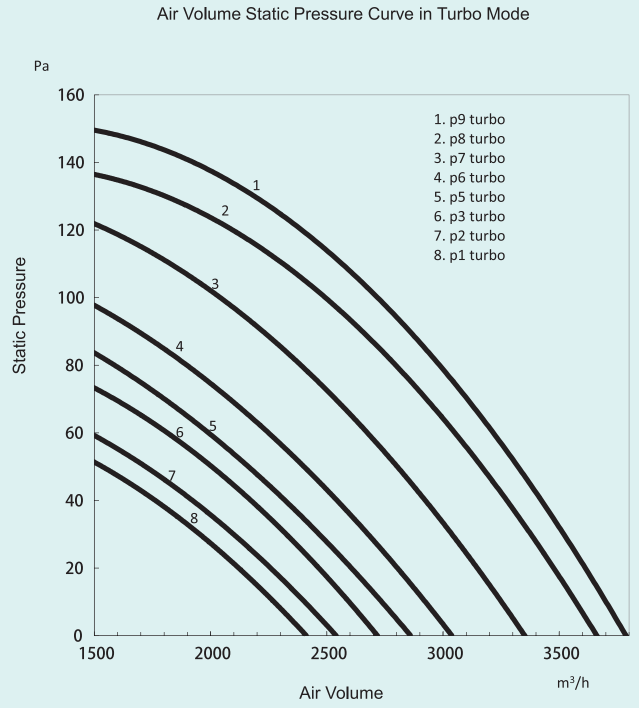


Air Volume Static Pressure Curve in Turbo Mode

1. The external static pressure (ESP) can be changed in 9 levels by the remote controller.
2. The remote controller can be used to change turbo, H, M and L.
3. ESP: external static pressure.

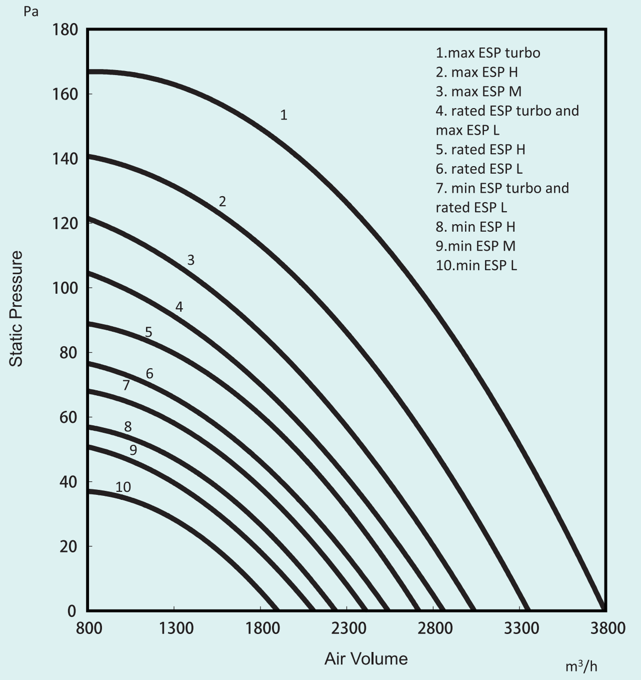
GUD125PH/A-T, GUD125PHS/A-T



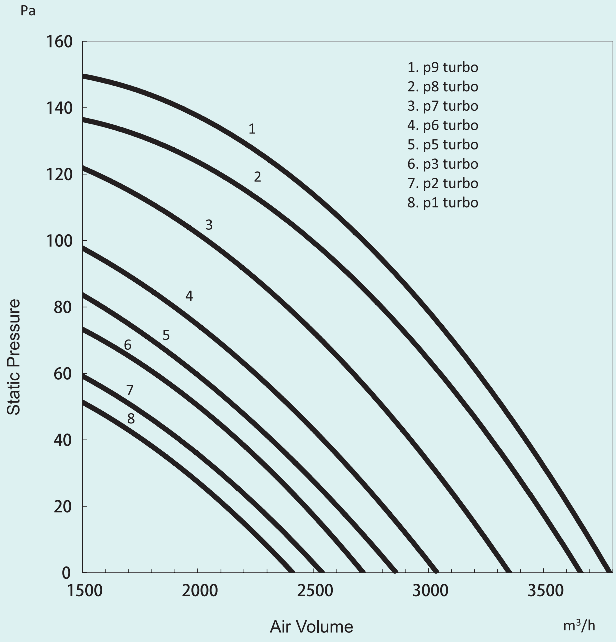


1. The external static pressure (ESP) can be changed in 9 levels by the remote controller.
2. The remote controller can be used to change turbo, H, M and L.
3. ESP: external static pressure.

GUD140PH/A-T, GUD140PHS/A-T

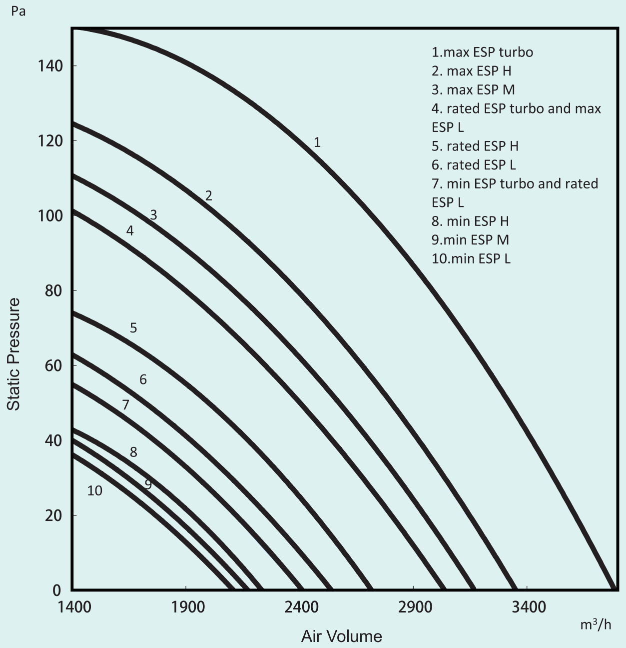


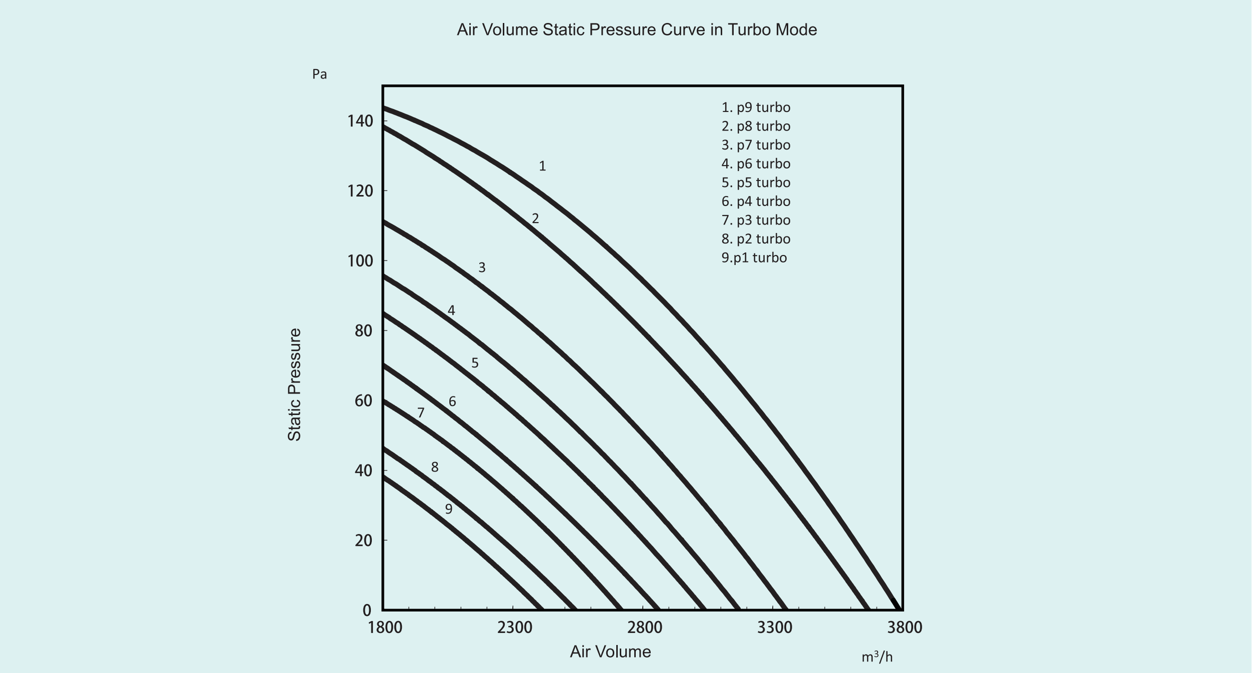
Air Volume Static Pressure Curve in Turbo Mode



1.The external static pressure (ESP) can be changed in 9 levels by the remote controller.
2. The remote controller can be used to change turbo, H, M and L.
3. ESP: external static pressure.

GUD160PH/A-T, GUD160PHS/A-T





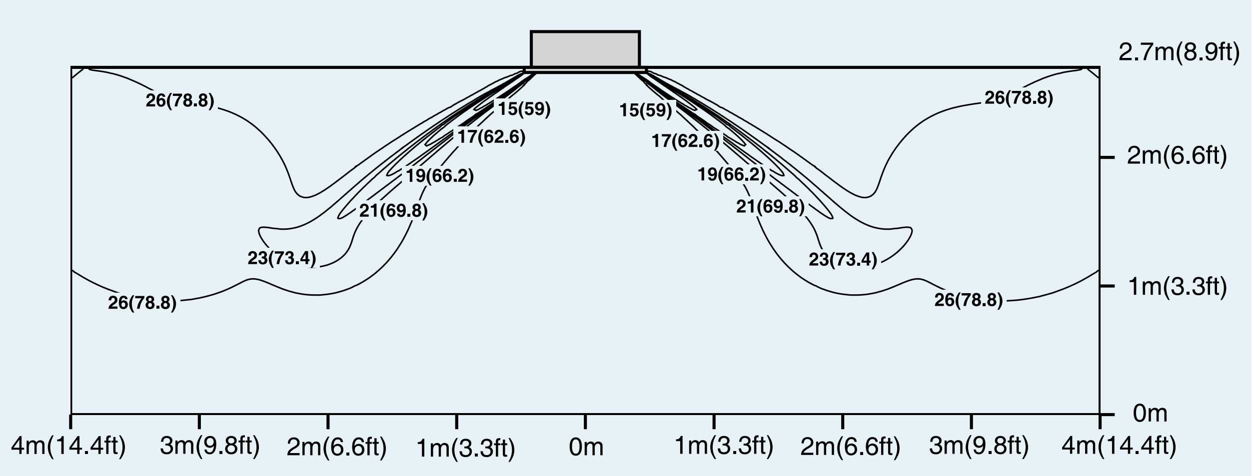
1.The external static pressure (ESP) can be changed in 9 levels by the remote controller.
2. The remote controller can be used to change turbo, H, M and L.
3. ESP: external static pressure.

8 AIRFLOW CHART

8.1 Cassette Type

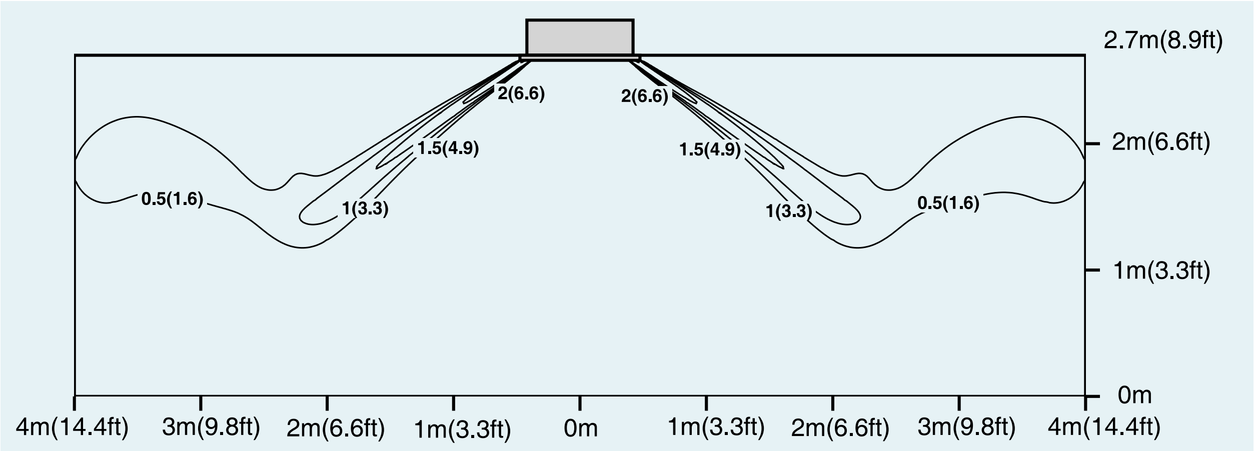
GUD35T/A-T; GUD50T/A-T
Cooling temperature

Unit: ℃ (℉)



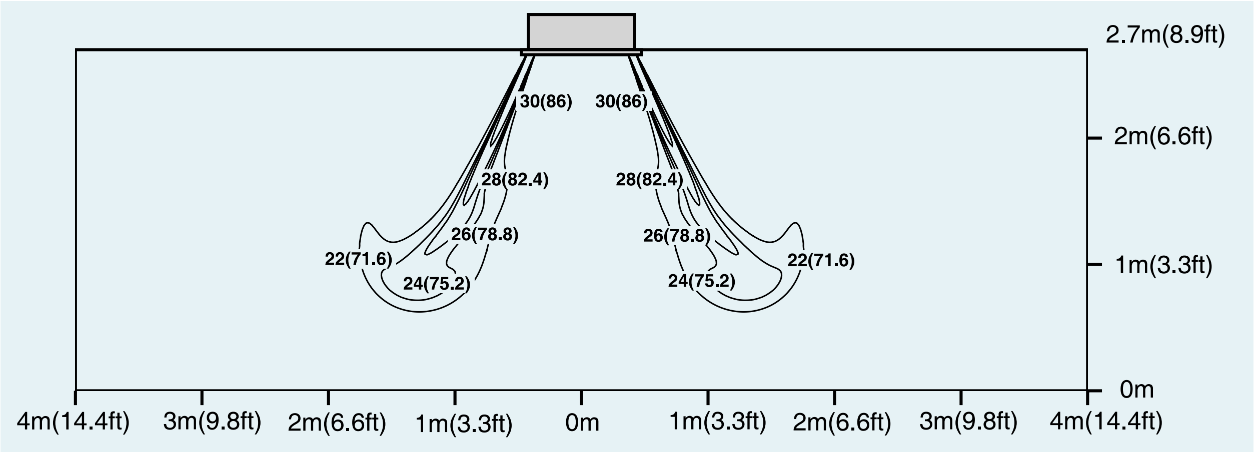
Cooling velocity

Unit：m/s（ft/s）



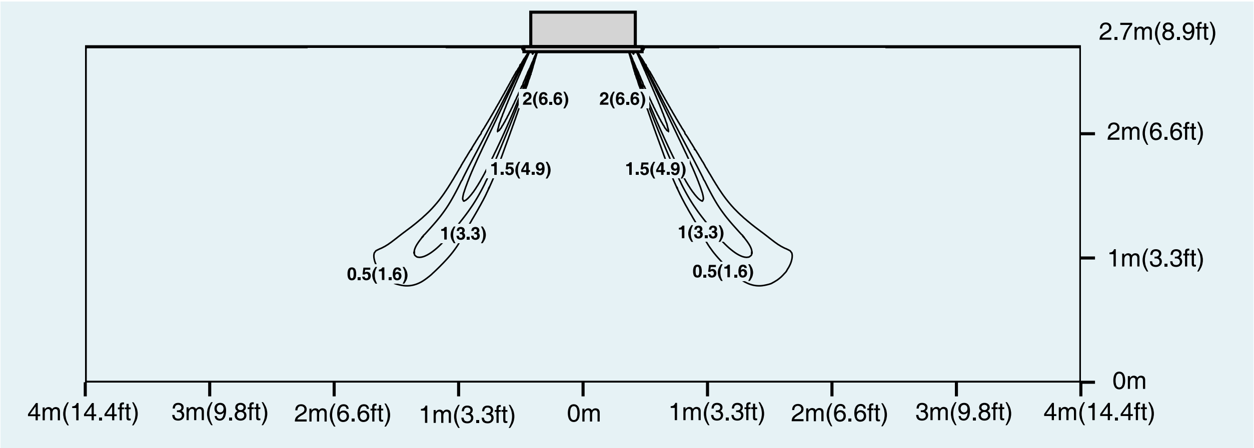
Heating temperature

Unit：˚C（˚F）



Heating velocity

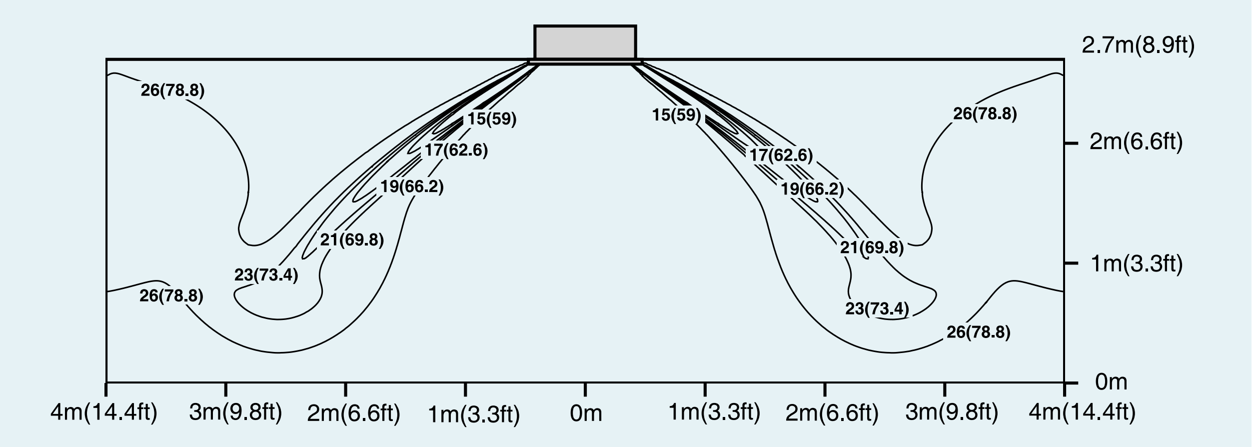
Unit：m/s（ft/s）



GUD71T/A-T; GUD85T/A-T

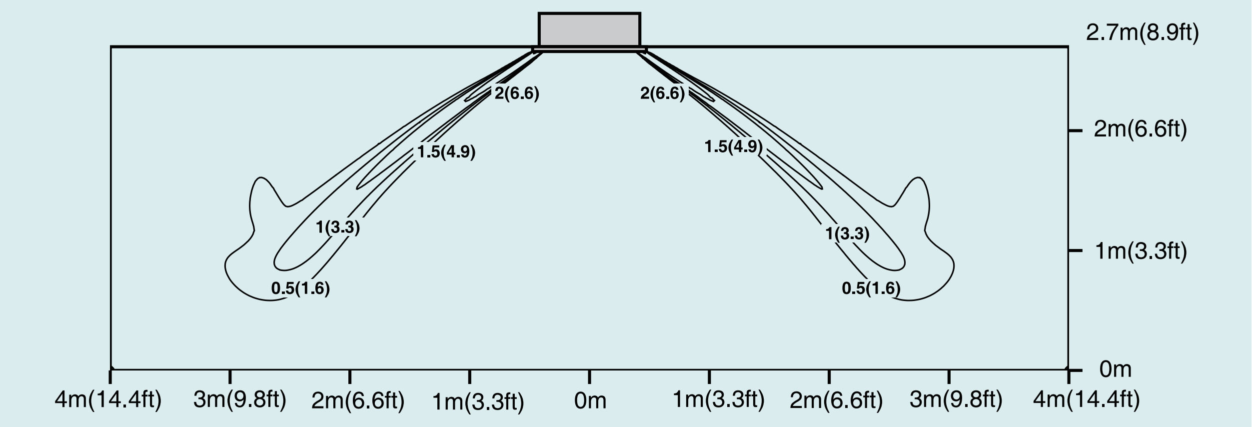
Cooling temperature

Unit: ˚C (˚F)



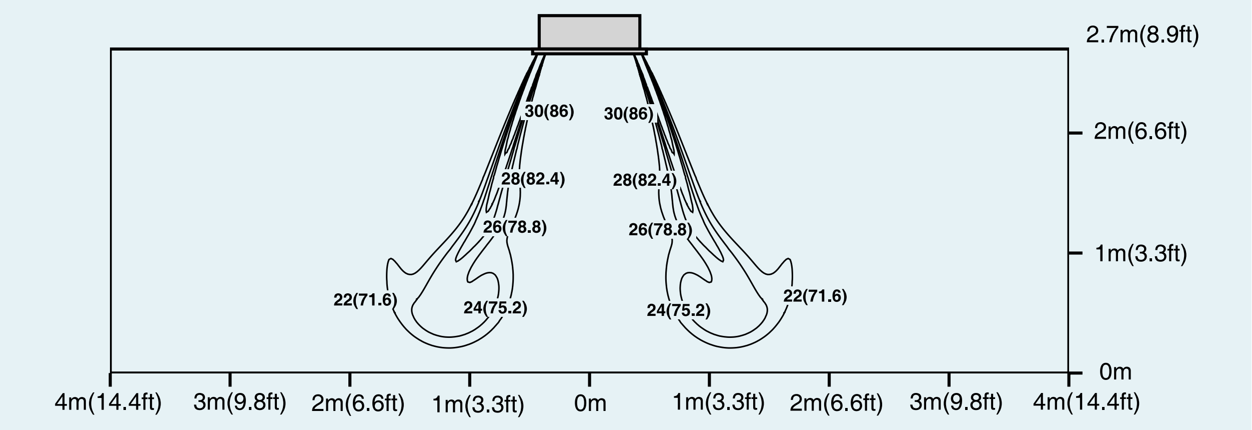
Cooling velocity

Unit: m/s (ft/s)



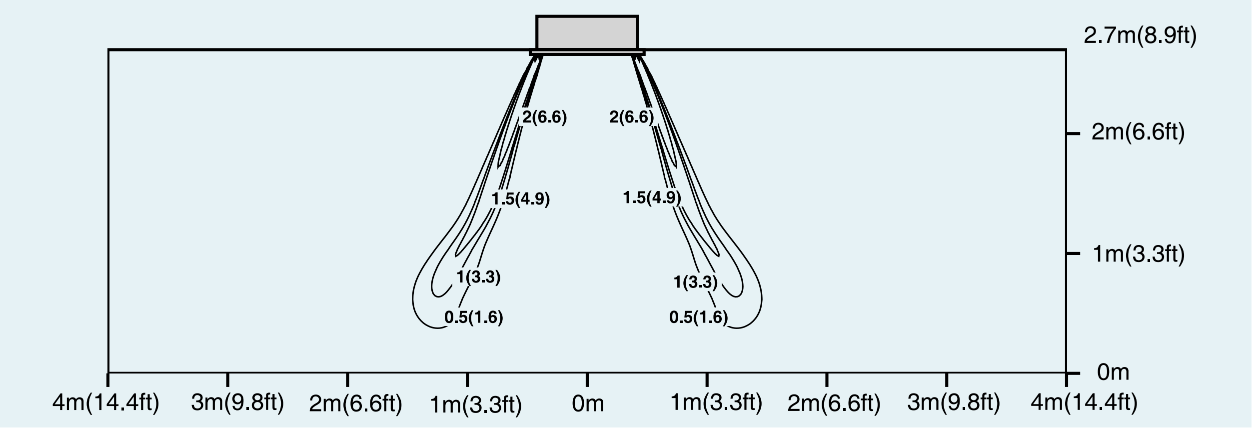
Heating temperature

Unit: ˚C (˚F)



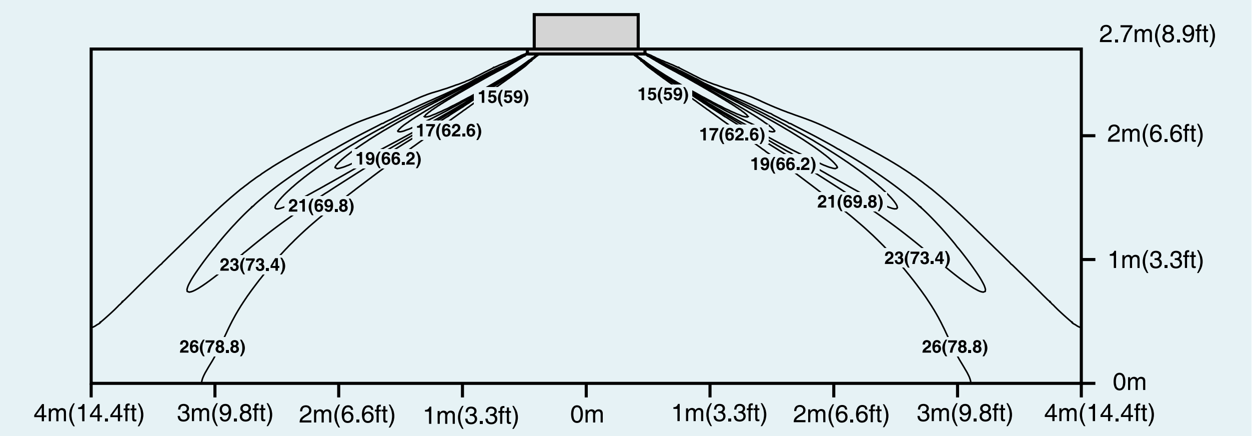
Heating velocity

Unit: m/s (ft/s)



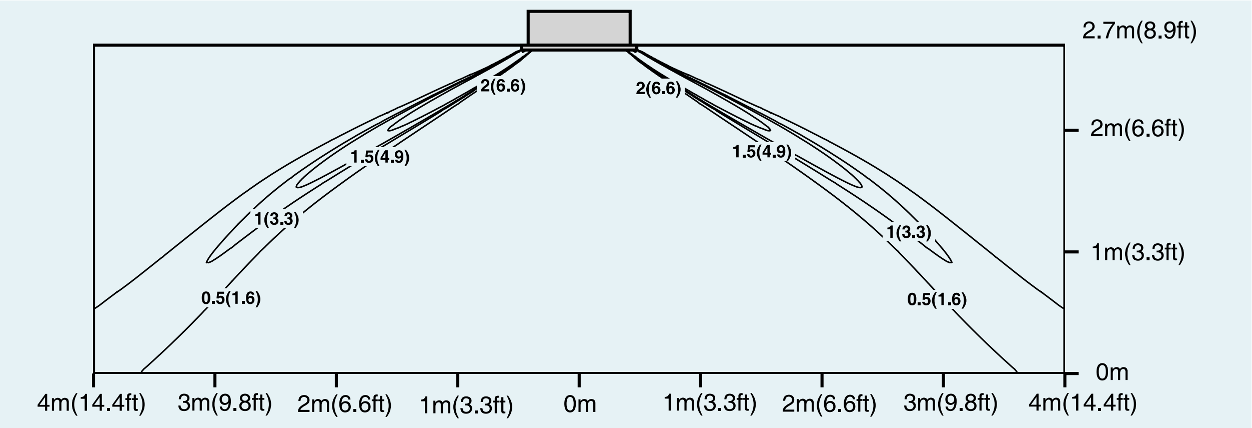
GUD100T/A-T
Cooling temperature

Unit: ˚C (˚F)



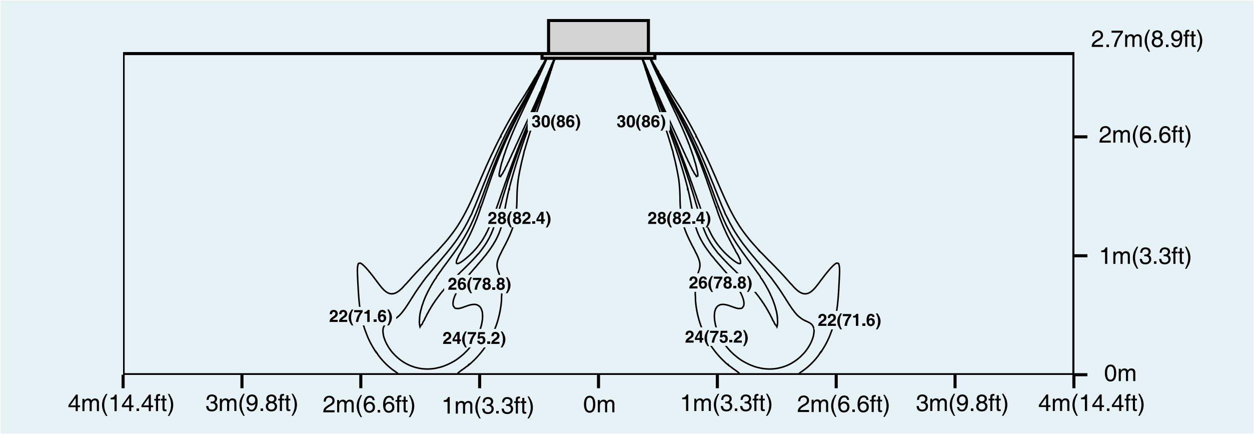
Cooling velocity

Unit: m/s (ft/s)



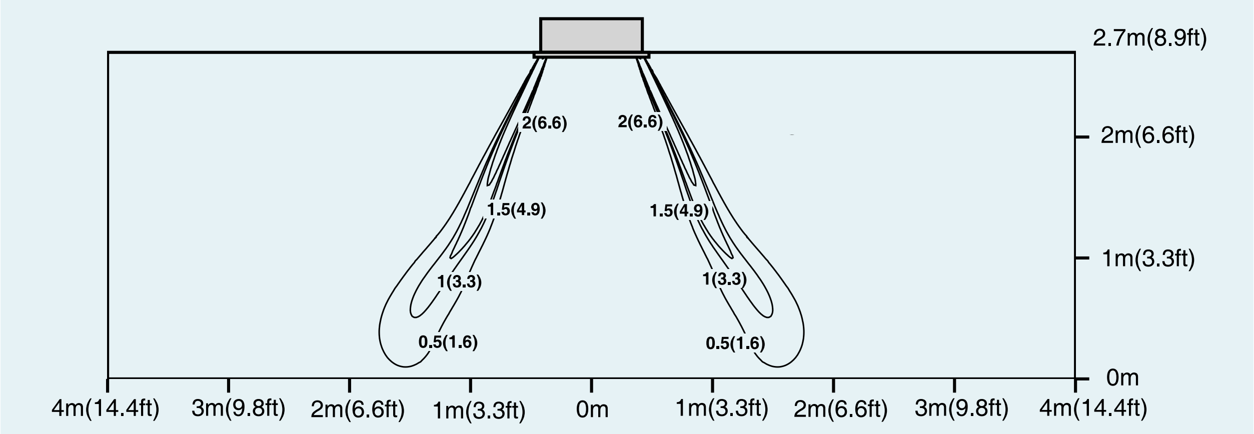
Heating temperature

Unit：˚C（˚F）



Heating velocity

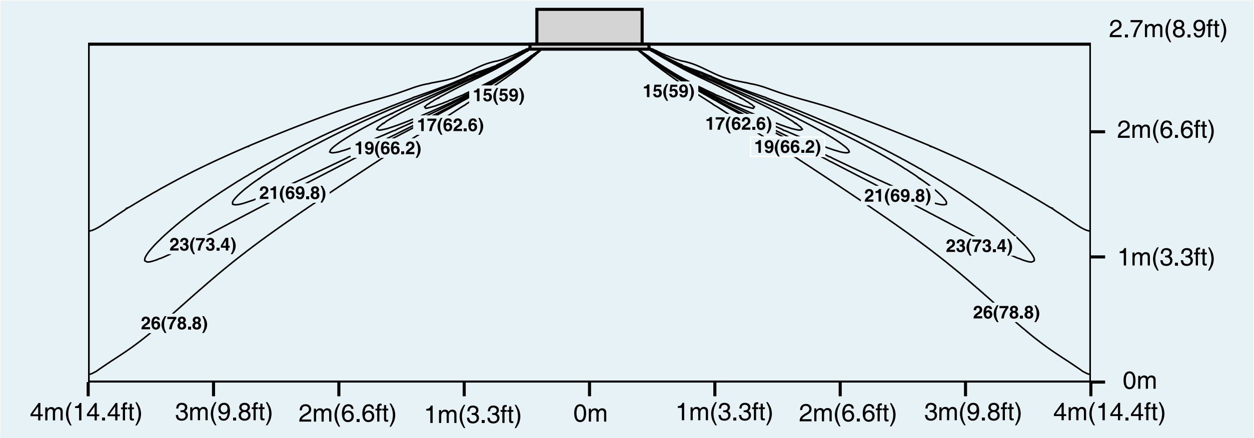
Unit：m/s（ft/s）



GUD125T/A-T; GUD140T/A-T

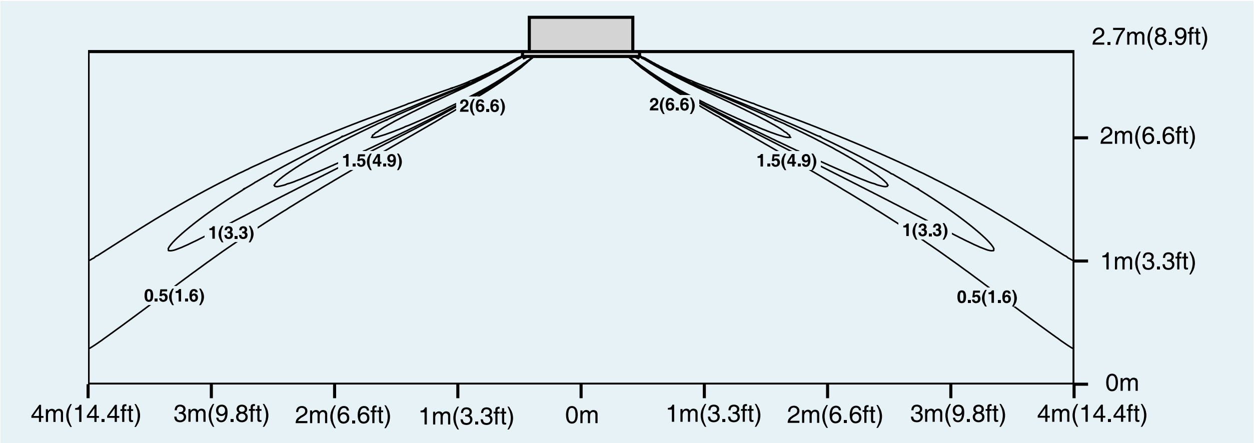
Cooling temperature

Unit：˚C（˚F）



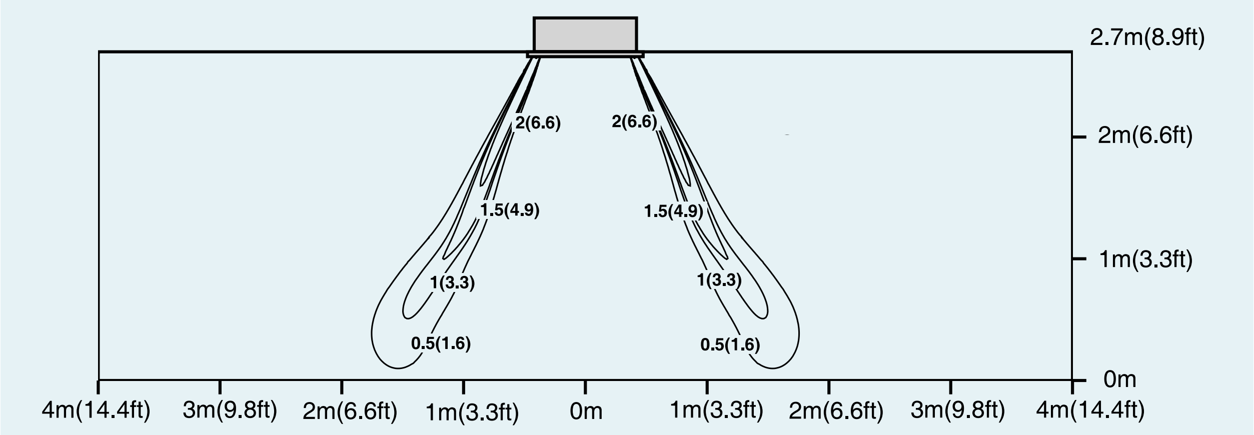
Cooling velocity

Unit：m/s（ft/s）



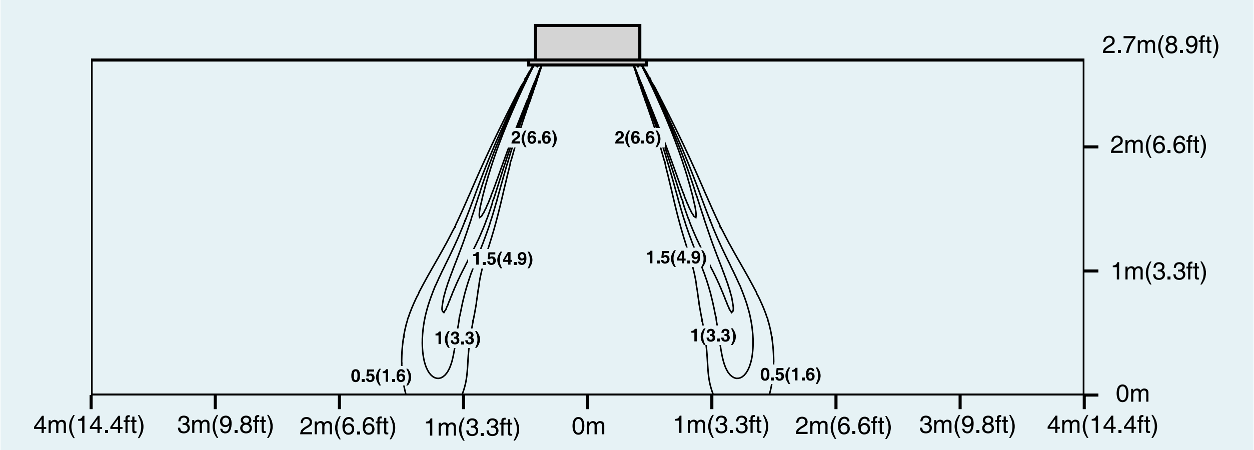
Heating temperature

Unit：˚C（˚F）



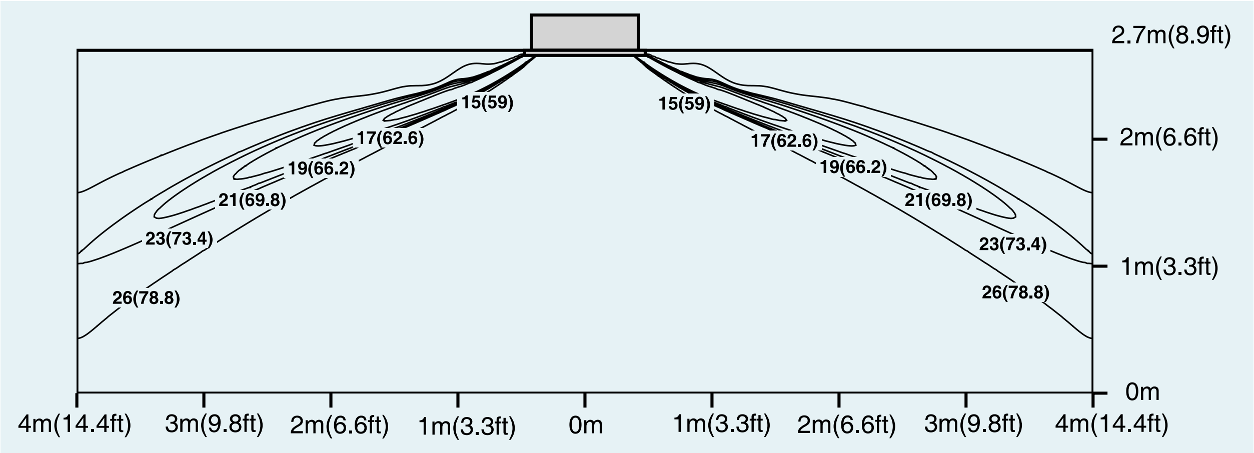
Heating velocity

Unit：m/s（ft/s）



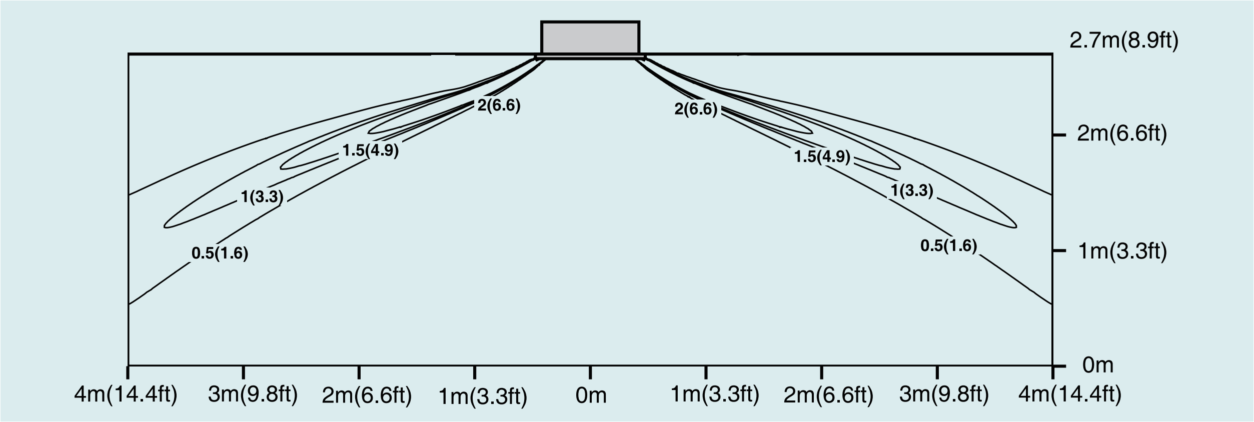
GUD160T/A-T
Cooling temperature

Unit: ˚C（˚F）



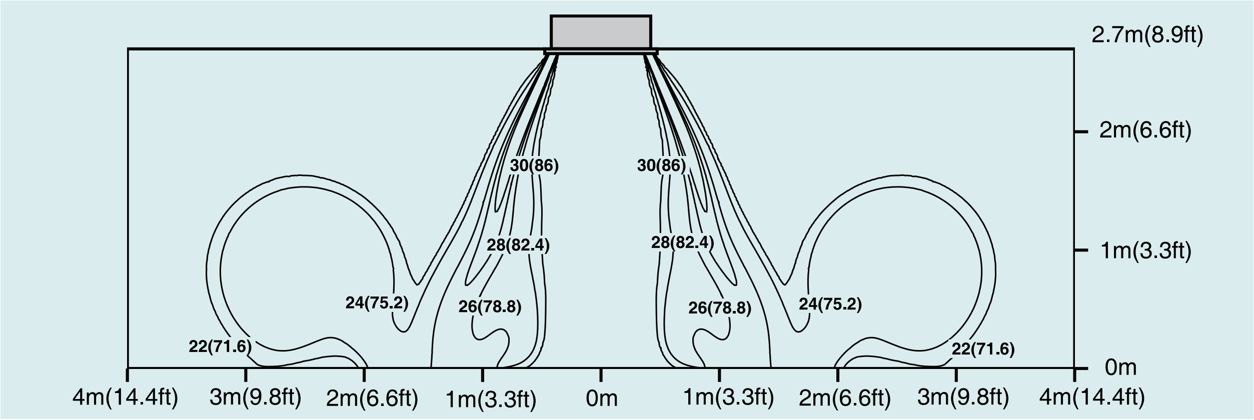
Cooling velocity

Unit: m/s（ft/s）



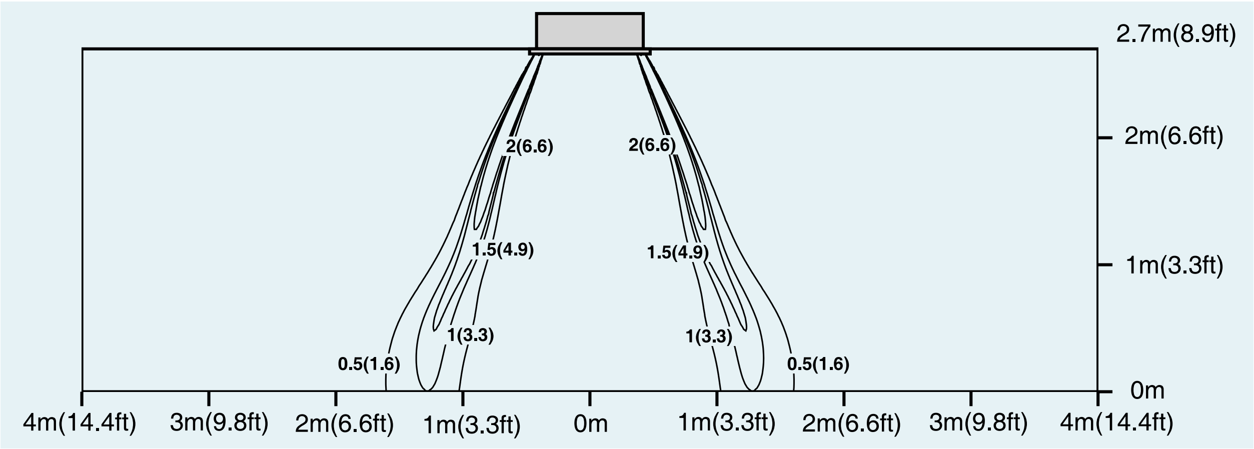
Heating temperature

Unit: ˚C（˚F）



Heating velocity

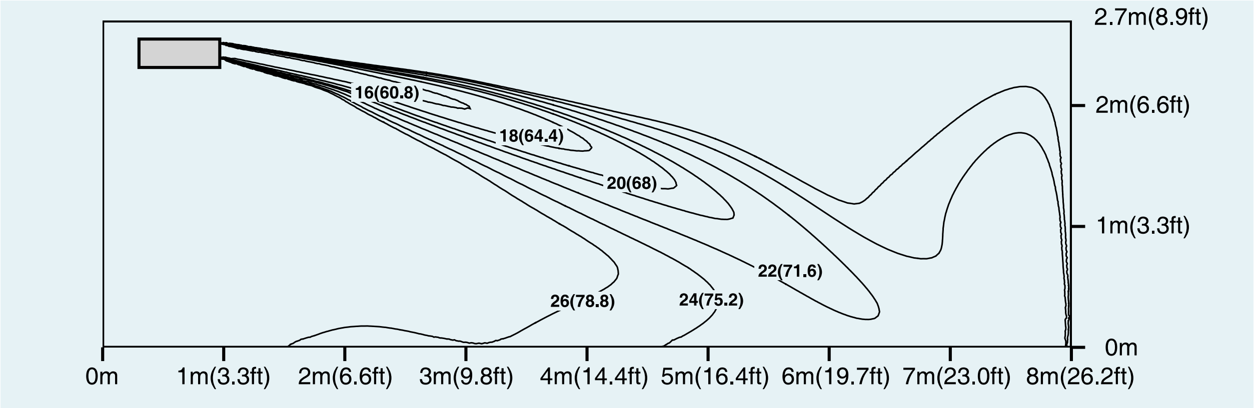
Unit：m/s（ft/s）



8.2 Floor Ceiling Type

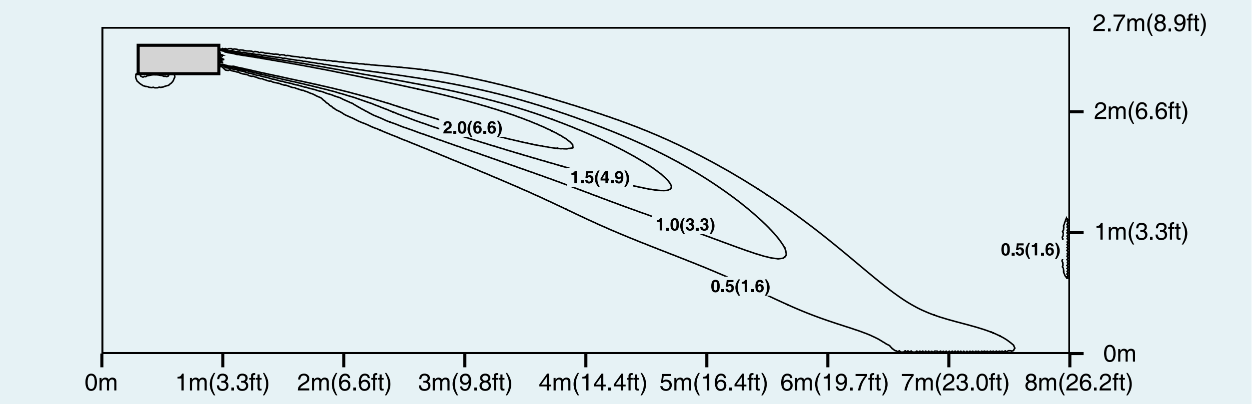
GUD35ZD/A-T
Cooling temperature

Unit：˚C（˚F）



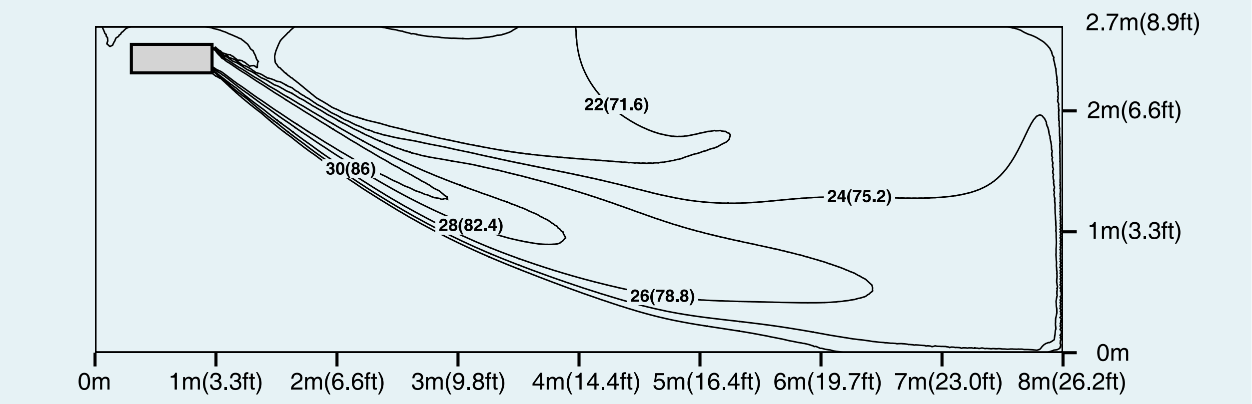
Cooling velocity

Unit：m/s（ft/s）



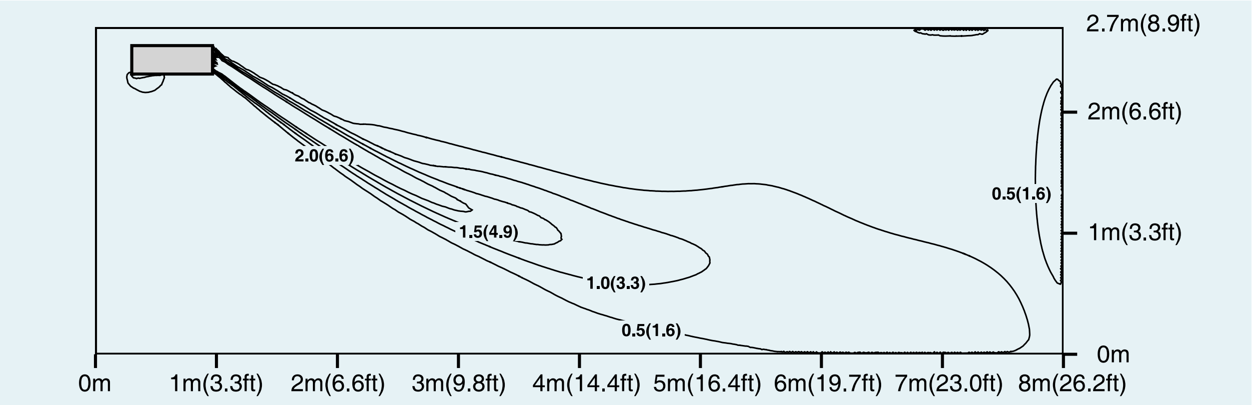
Heating temperature

Unit：˚C（˚F）



Heating velocity

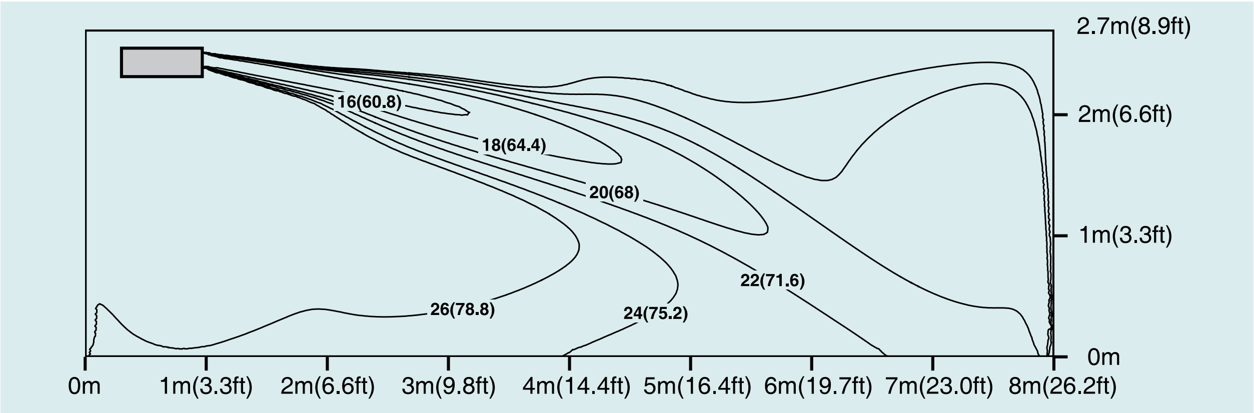
Unit：m/s（ft/s）



GUD50ZD/A-T

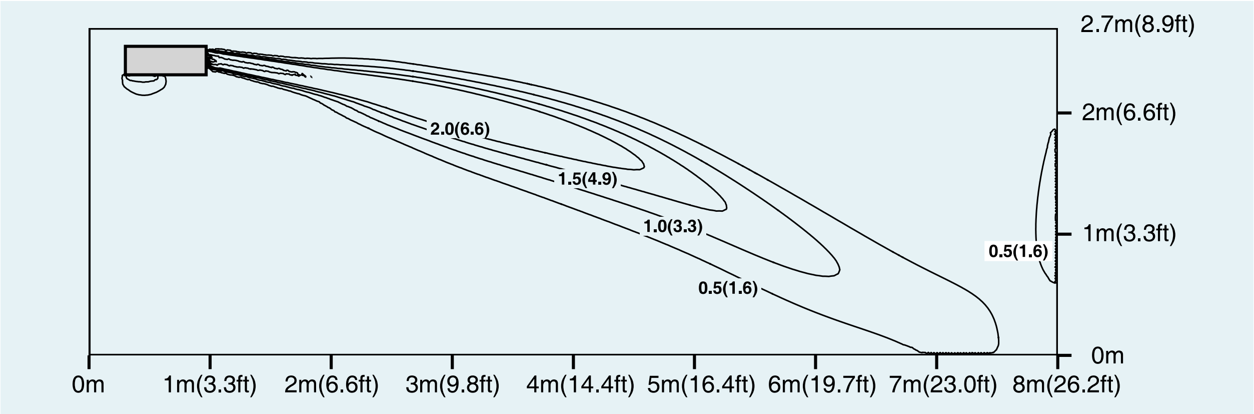
Cooling temperature

Unit: ℃ (℉)



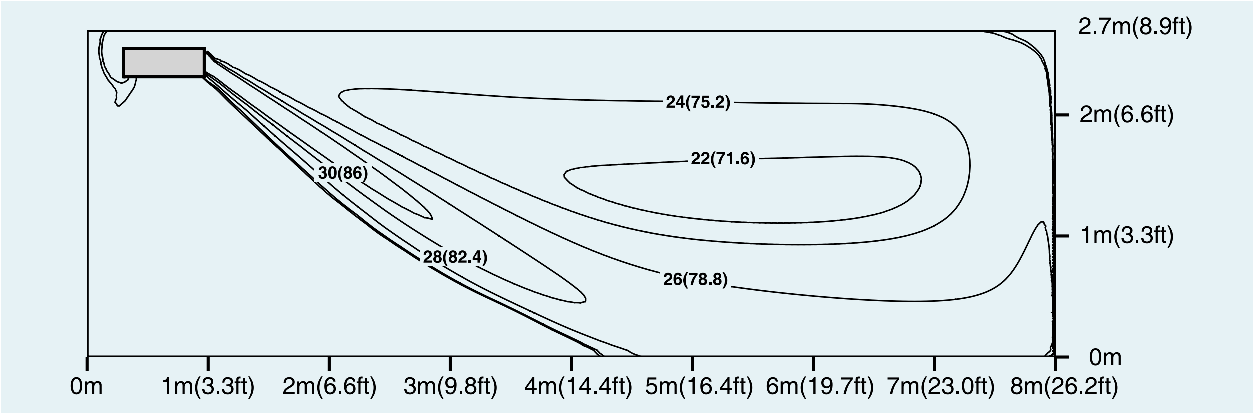
Cooling velocity

Unit: m/s (ft/s)



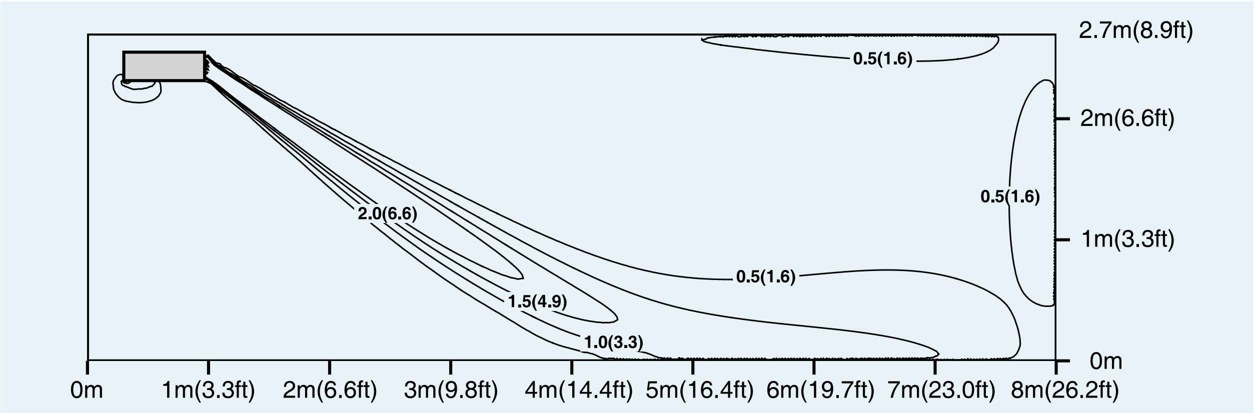
Heating temperature

Unit: ℃ (℉)



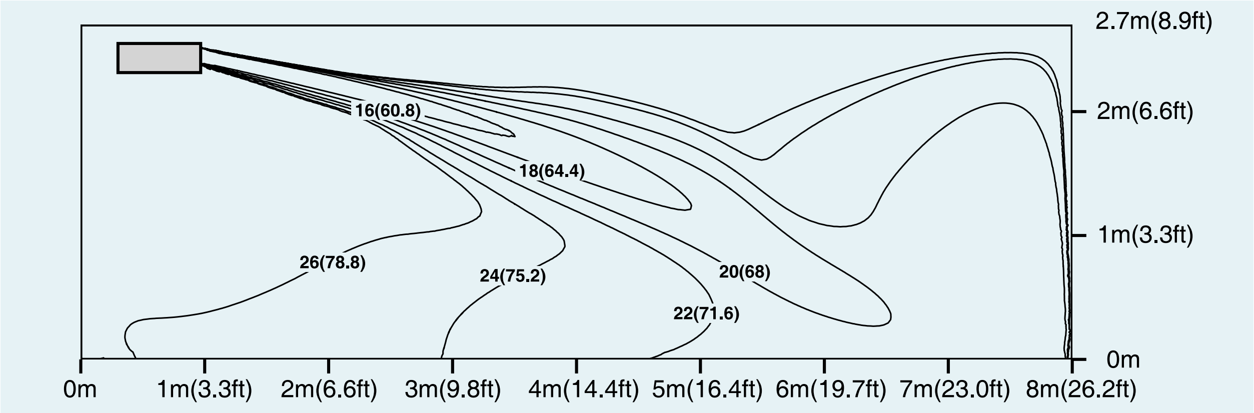
Heating velocity

Unit：m/s（ft/s）



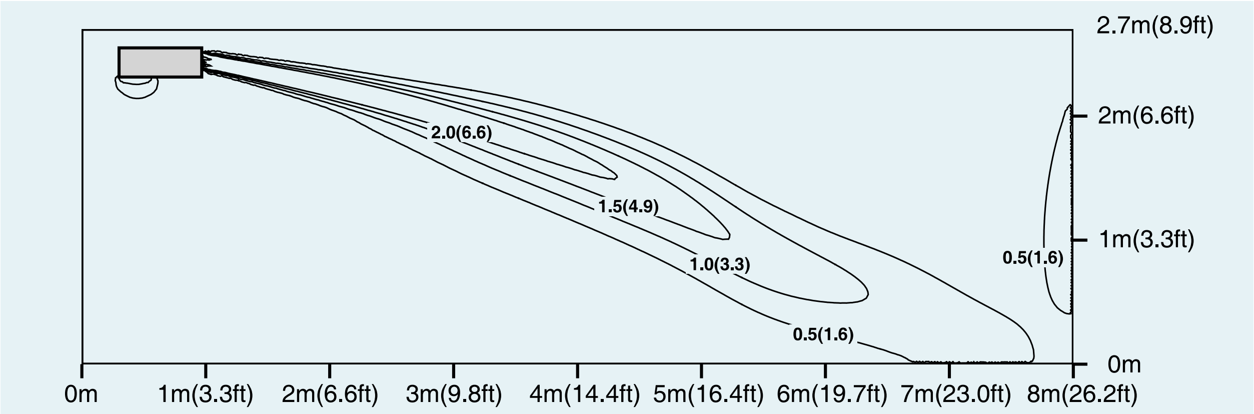
GUD71ZD/A-T; GUD85ZD/A-T
Cooling temperature

Unit：°C（°F）



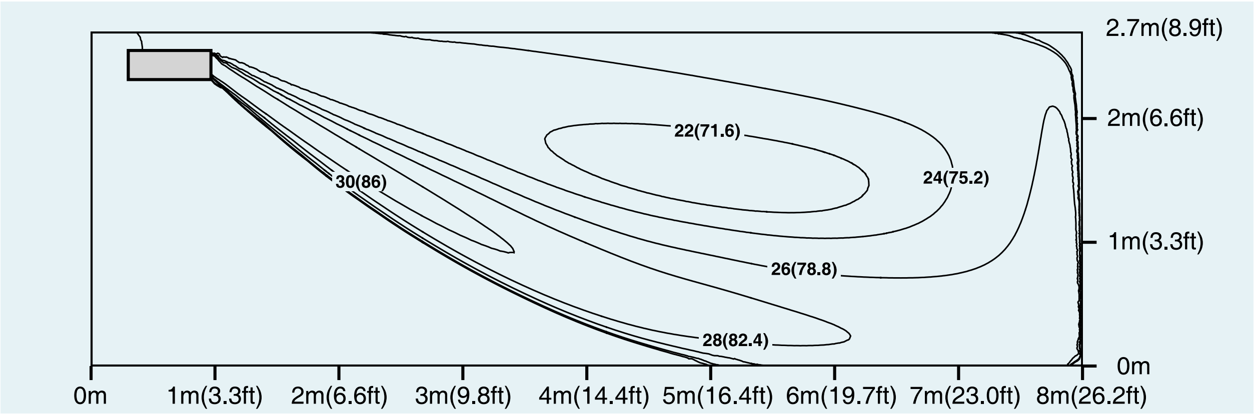
Cooling velocity

Unit：m/s（ft/s）



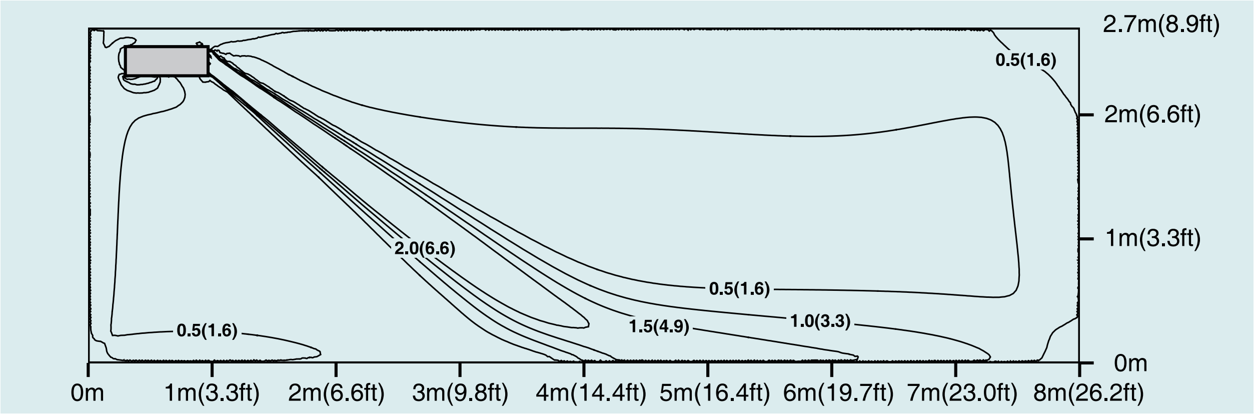
Heating temperature

Unit：˚C（˚F）



Heating velocity

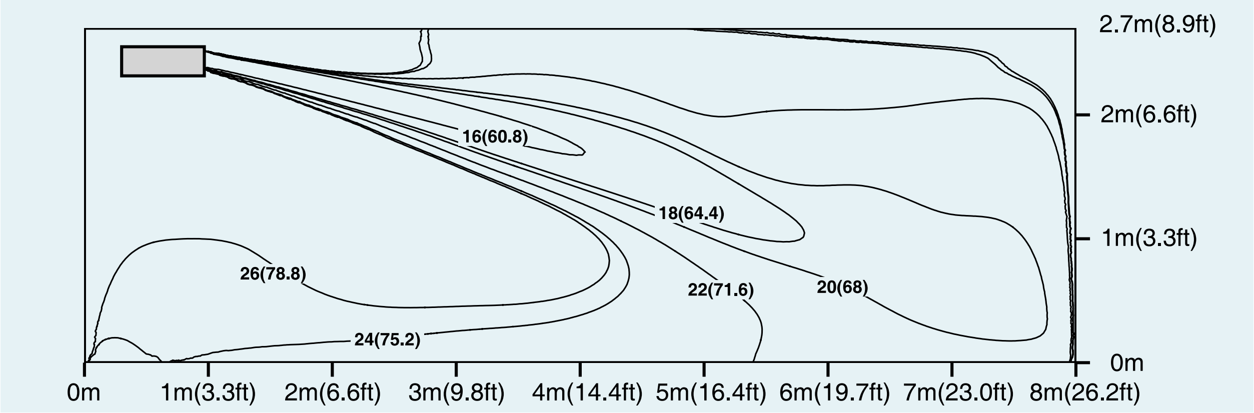
Unit：m/s（ft/s）



GUD100ZD/A-T

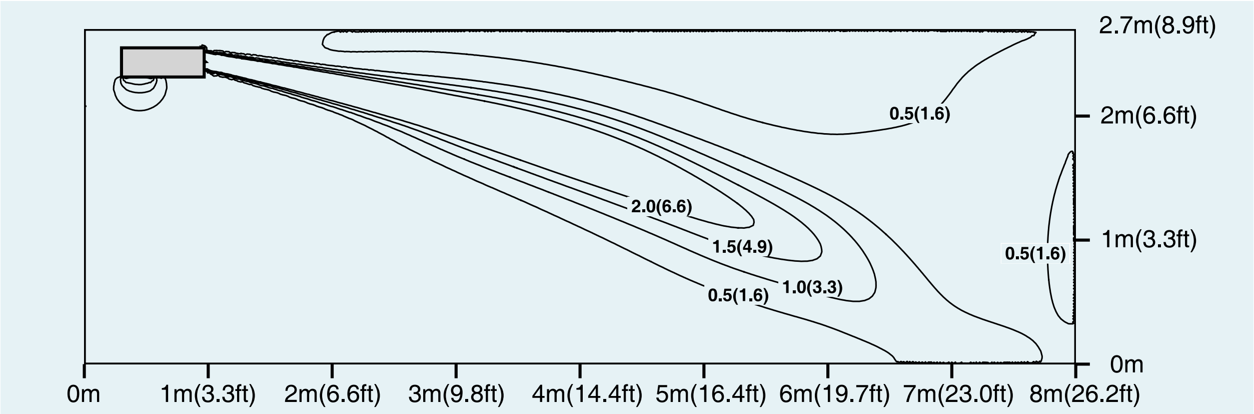
Cooling temperature

Unit：˚C（˚F）



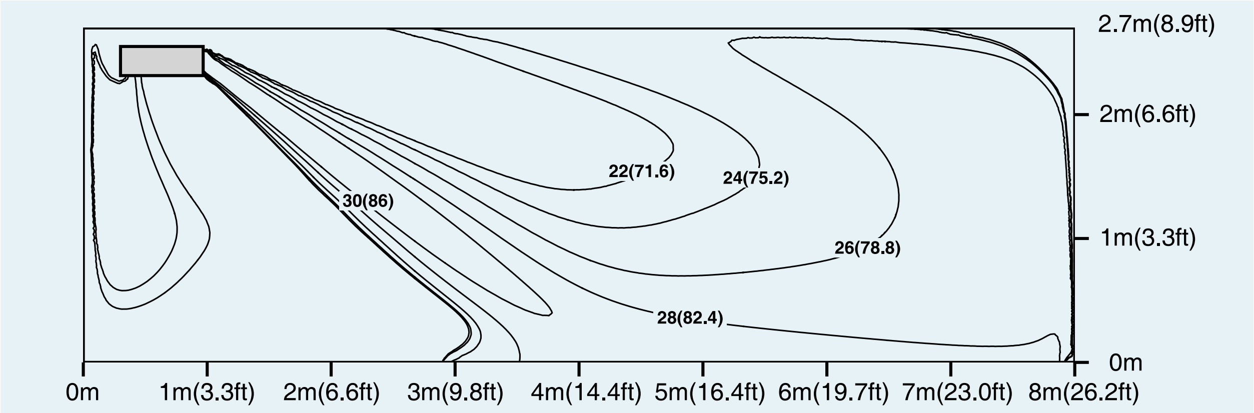
Cooling velocity

Unit：m/s（ft/s）



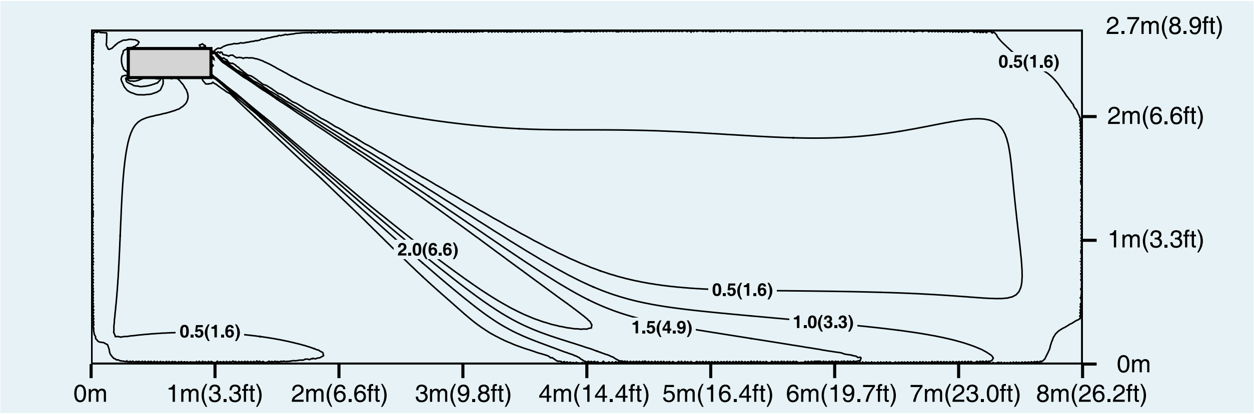
Heating temperature

Unit：˚C（˚F）



Heating velocity

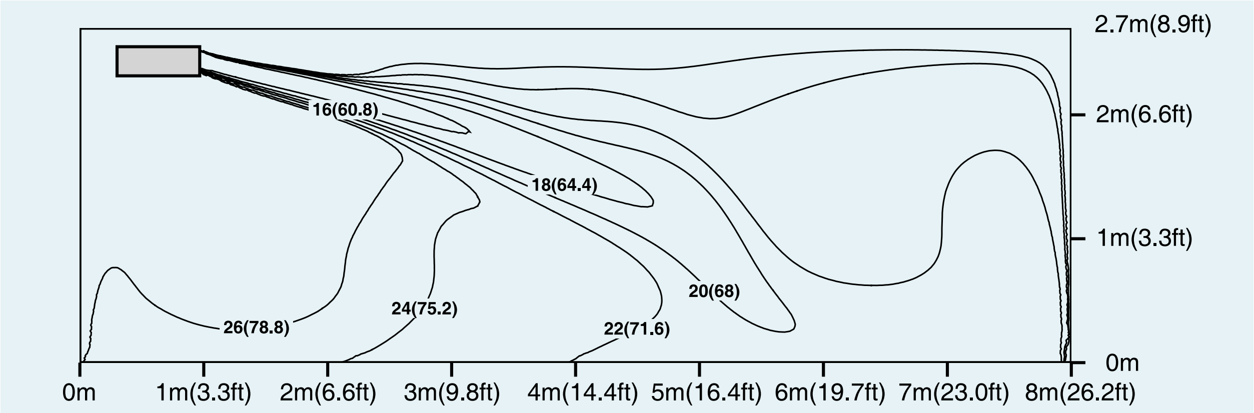
Unit：m/s（ft/s）



GUD125ZD/A-T

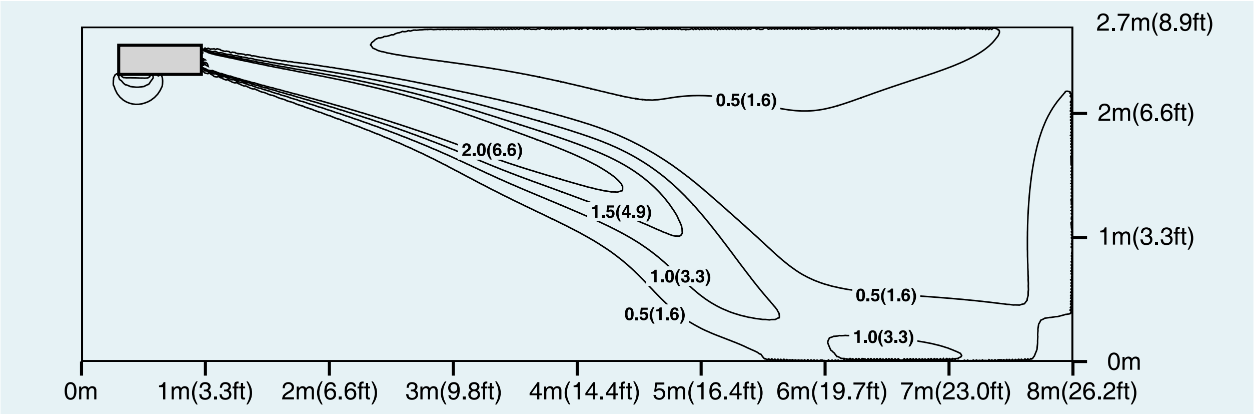
Cooling temperature

Unit：˚C（˚F）



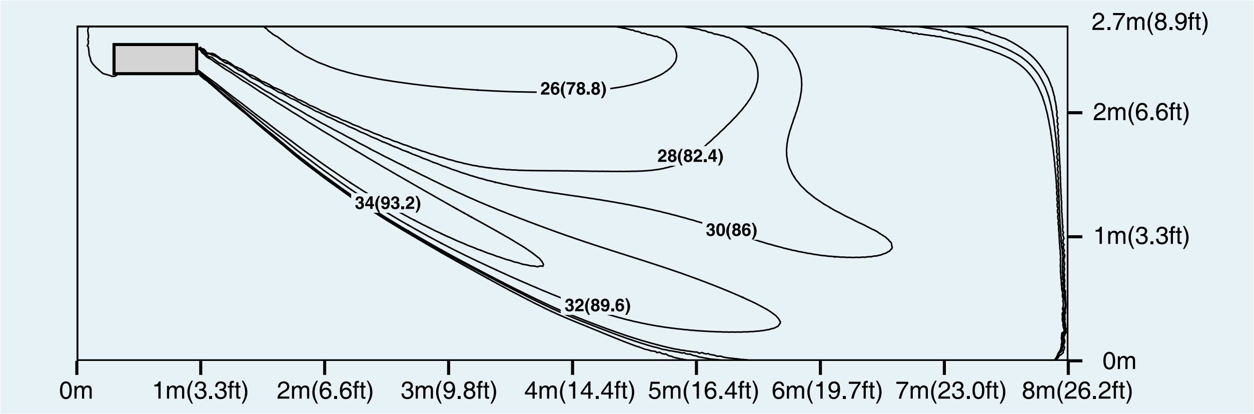
Cooling velocity

Unit：m/s（ft/s）



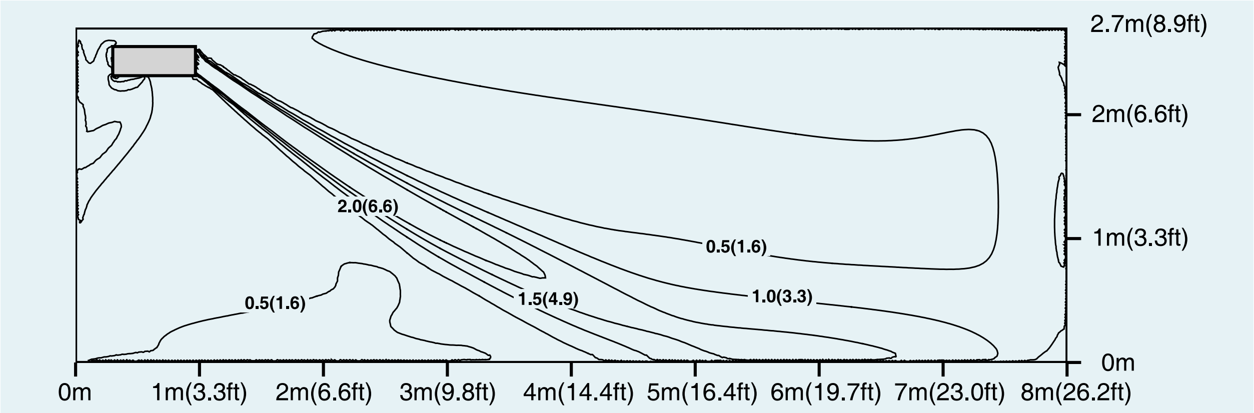
Heating temperature

Unit：˚C（˚F）



Heating velocity

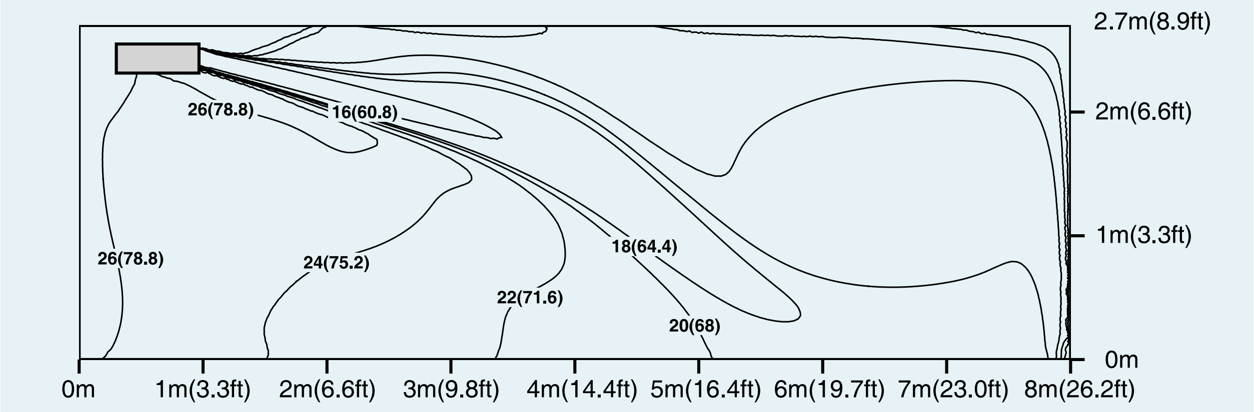
Unit：m/s（ft/s）



GUD160ZD/A-T

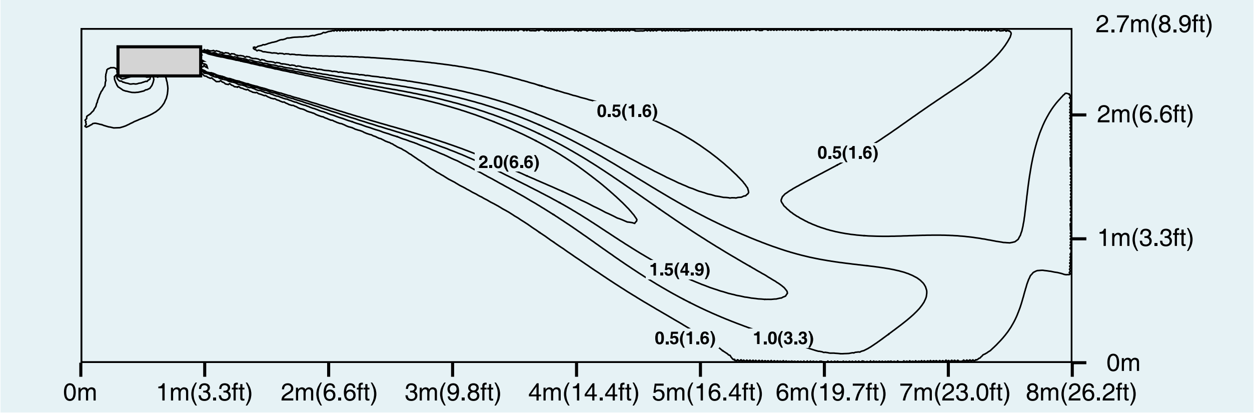
Cooling temperature

Unit：˚C（˚F）



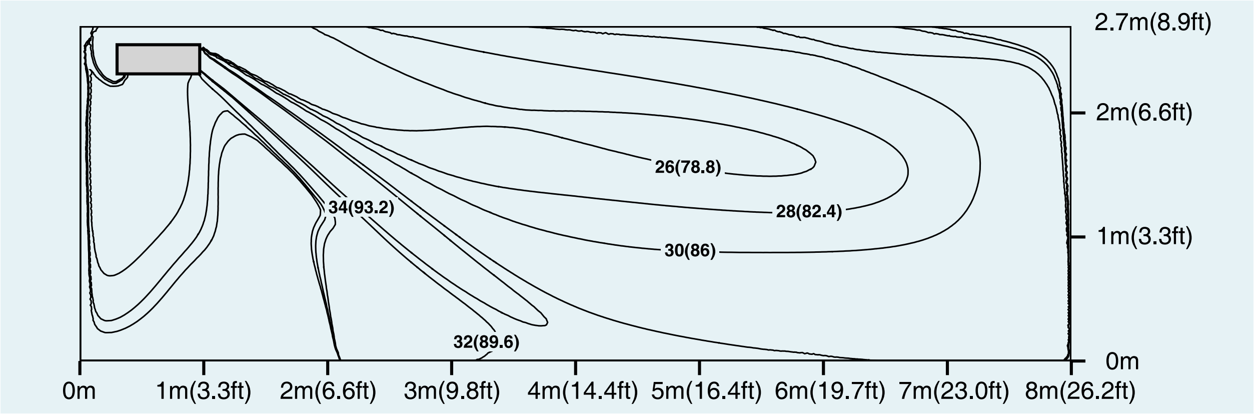
Cooling velocity

Unit：m/s（ft/s）



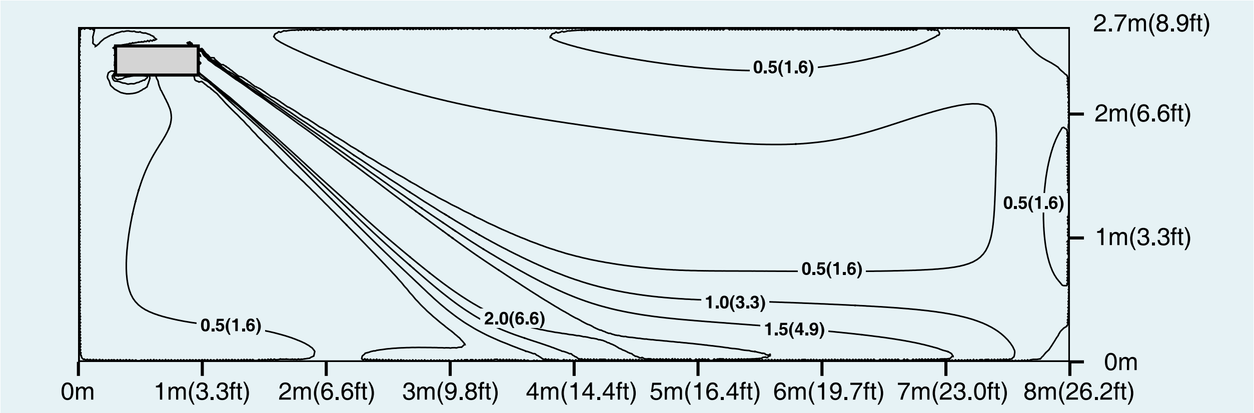
Heating temperature

Unit: ℃ (℉)



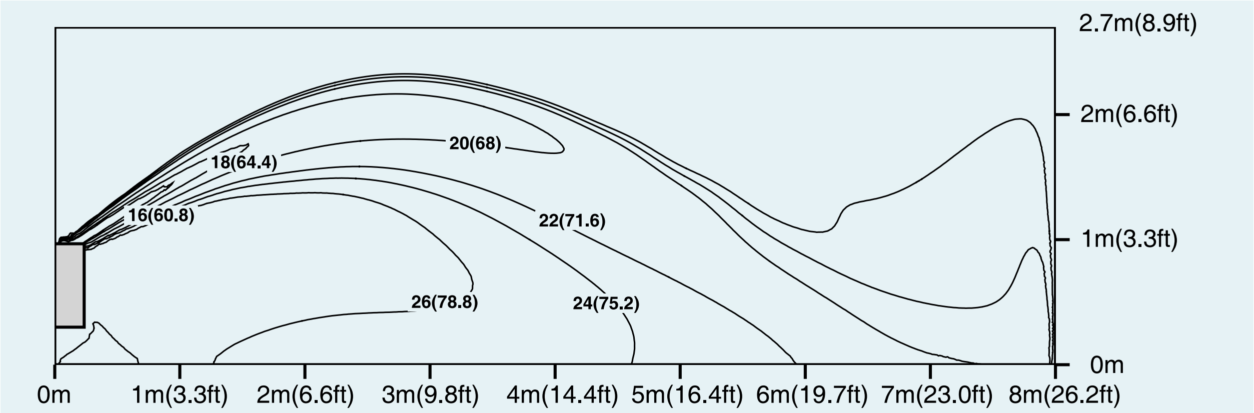
Heating velocity

Unit: m/s (ft/s)



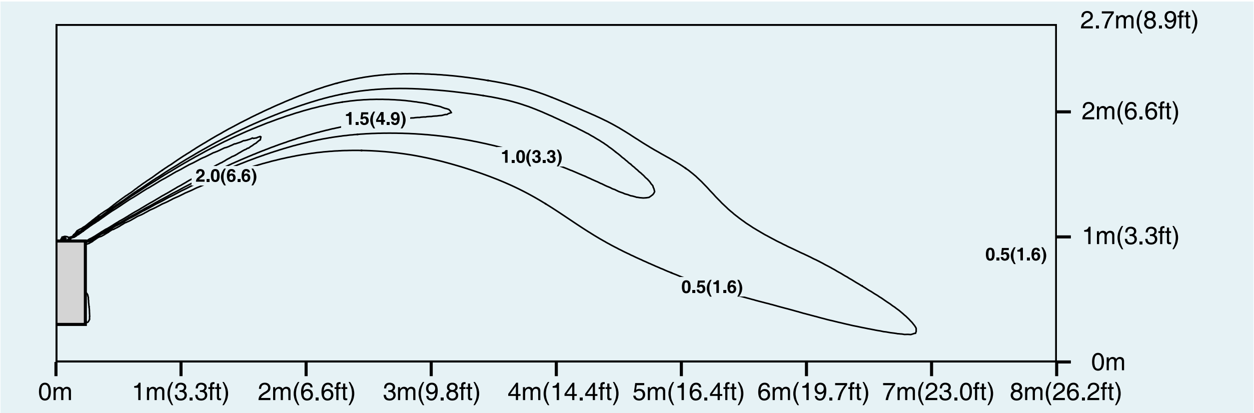
GUD35ZD/A-T
Cooling temperature

Unit: ℃ (℉)



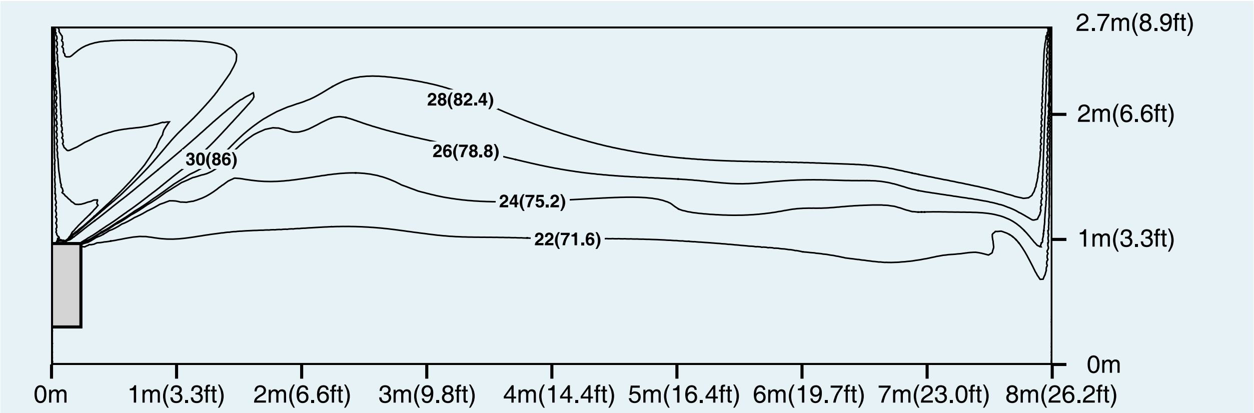
Cooling velocity

Unit：m/s（ft/s）



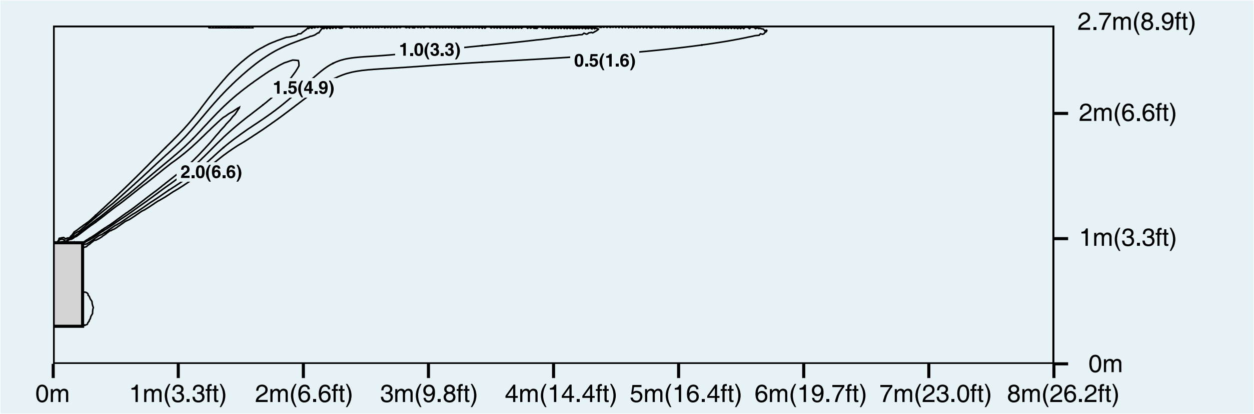
Heating temperature

Unit：˚C（˚F）



Heating velocity

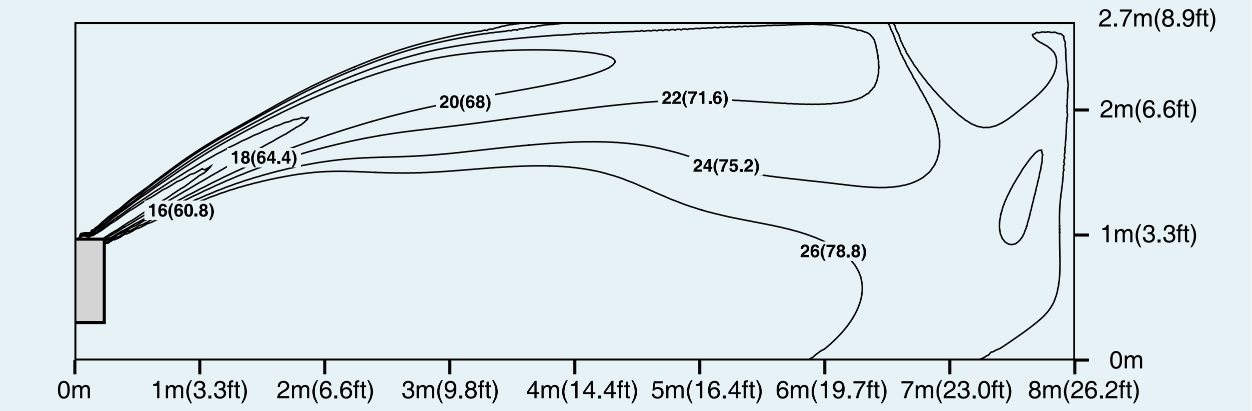
Unit：m/s（ft/s）



GUD50ZD/A-T

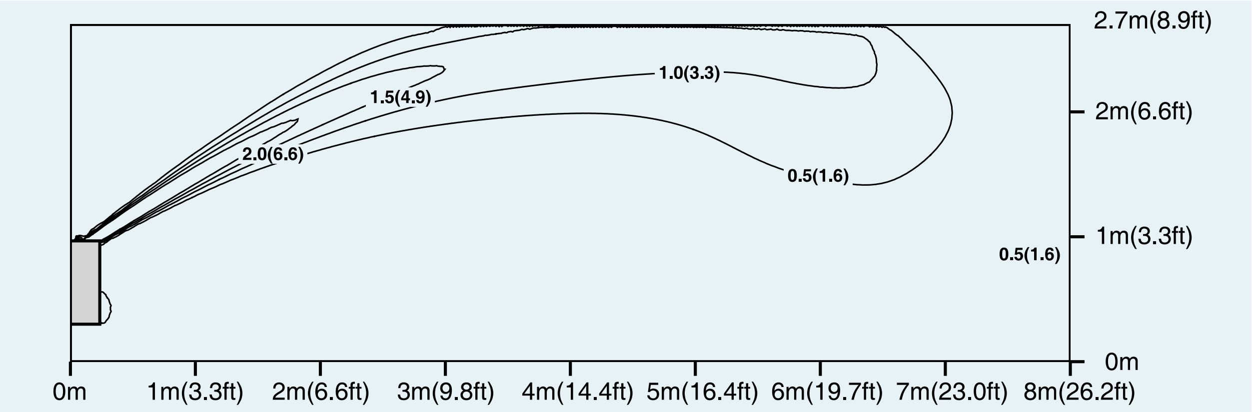
Cooling temperature

Unit: ˚C (˚F)



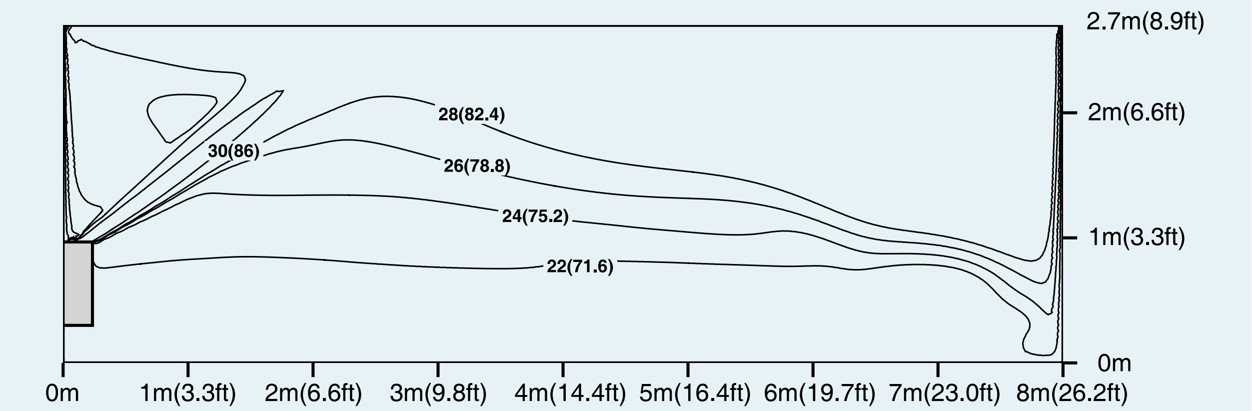
Cooling velocity

Unit: m/s (ft/s)



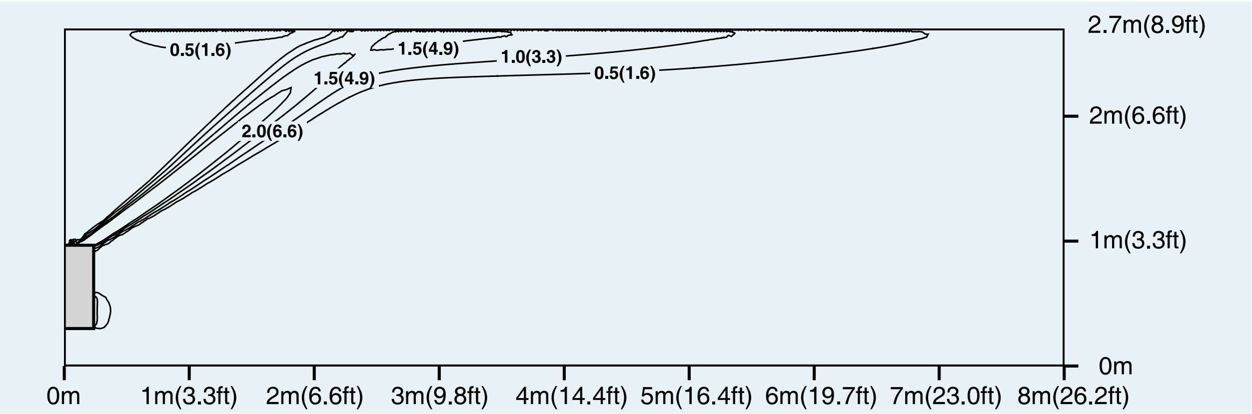
Heating temperature

Unit: ˚C (˚F)



Heating velocity

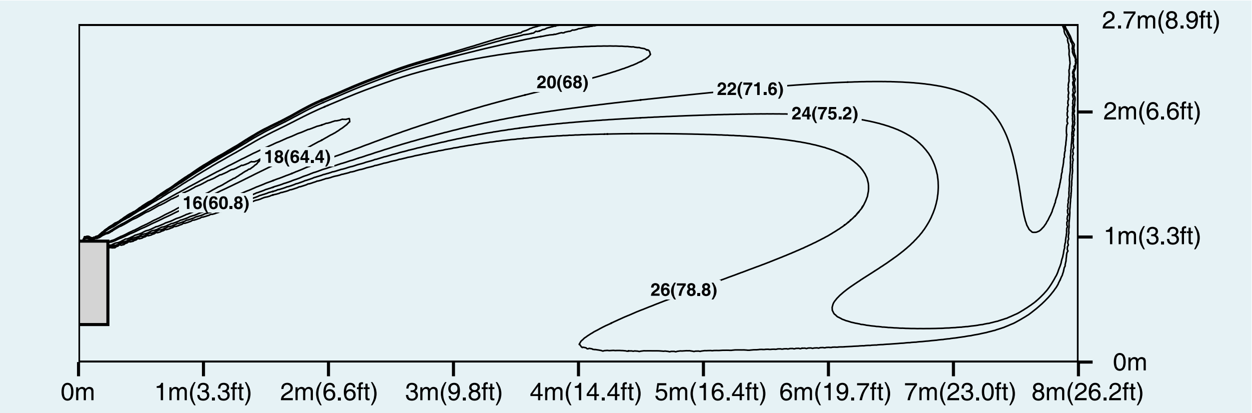
Unit：m/s（ft/s）



GUD71ZD/A-T、GUD85ZD/A-T

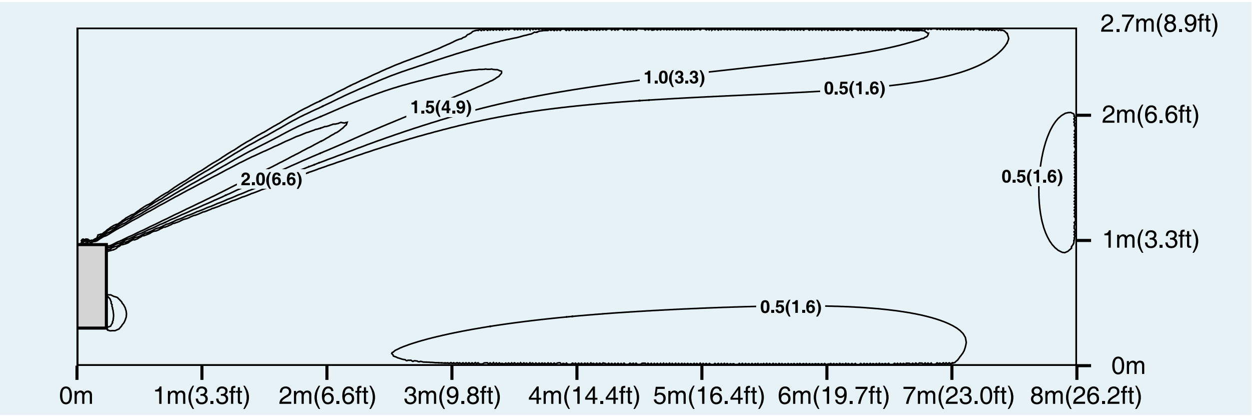
Cooling temperature

Unit：°C（°F）



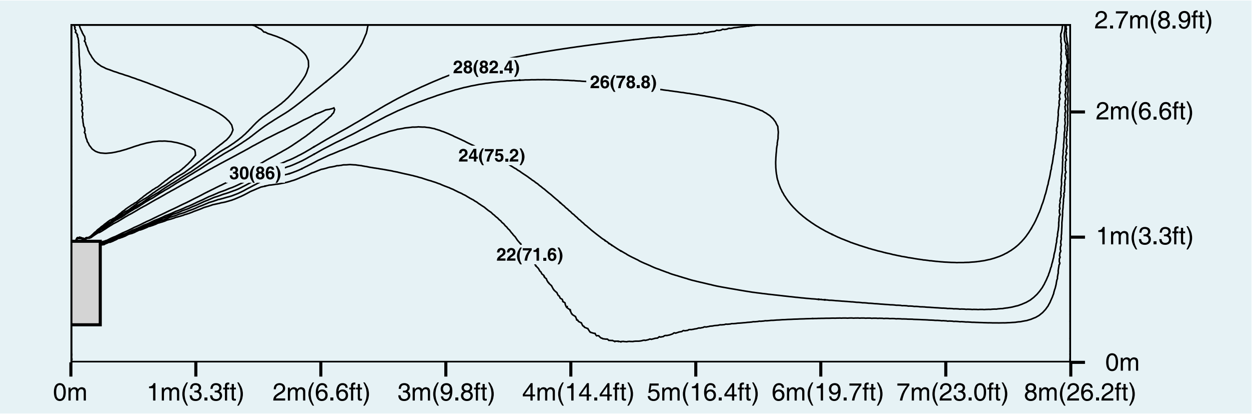
Cooling velocity

Unit：m/s（ft/s）



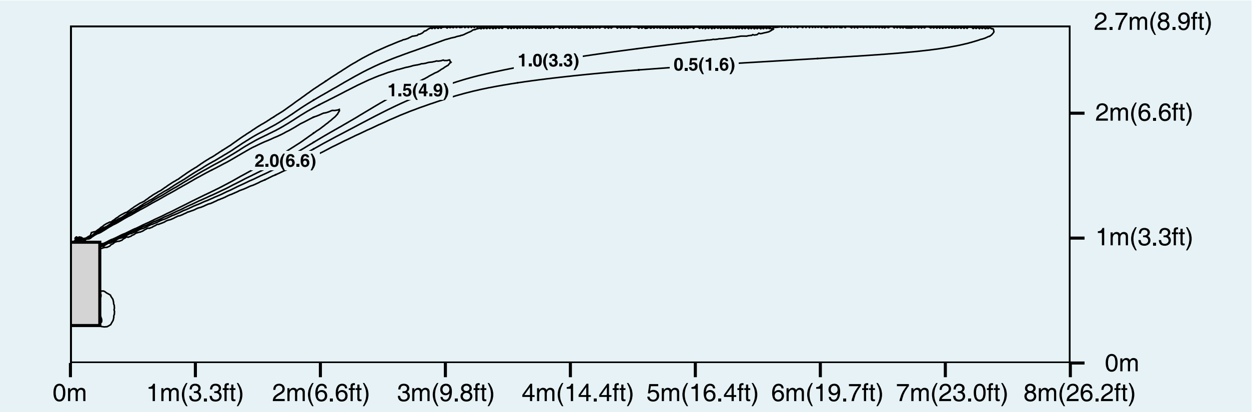
Heating temperature

Unit：˚C（˚F）



Heating velocity

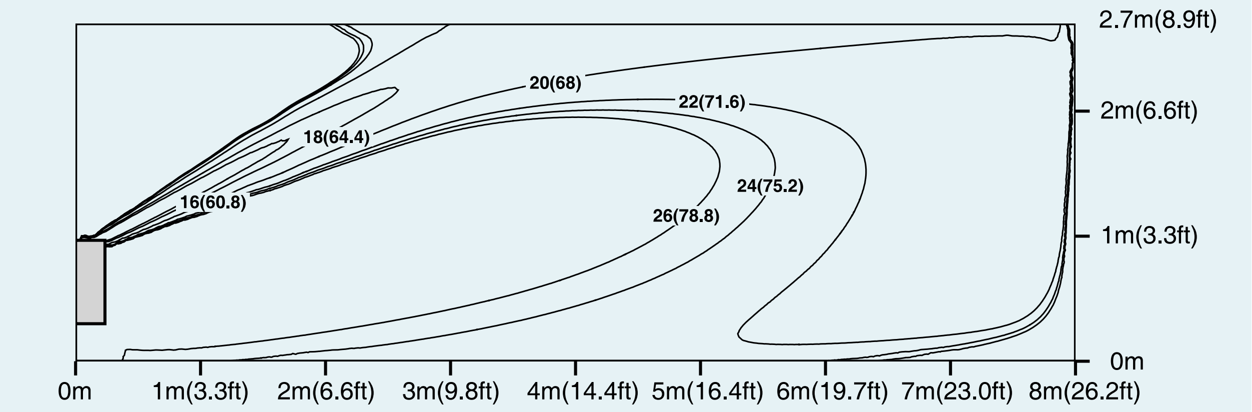
Unit：m/s（ft/s）



GUD100ZD/A-T

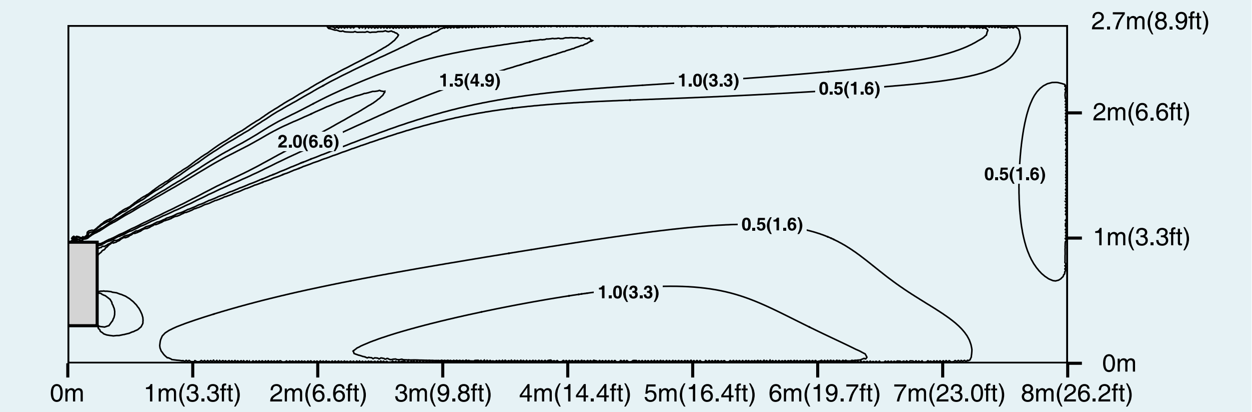
Cooling temperature

Unit：˚C（˚F）



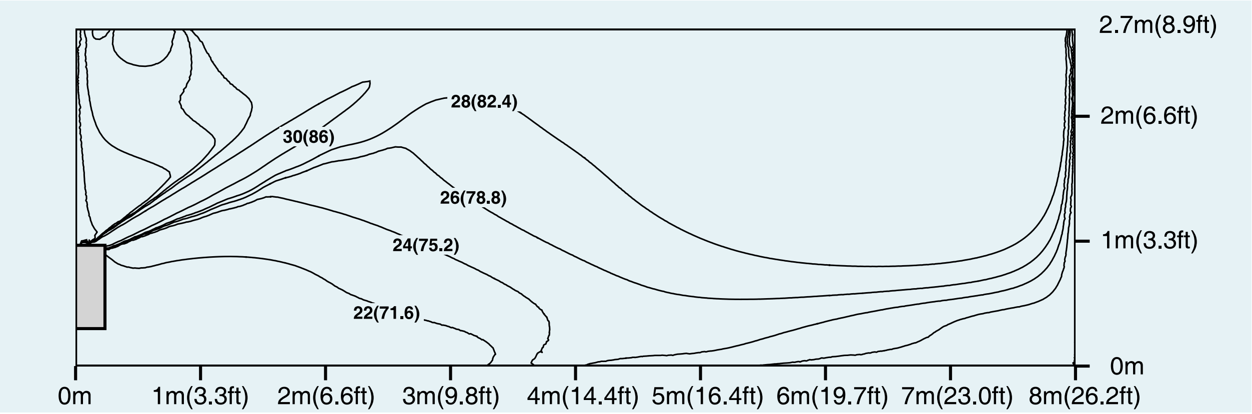
Cooling velocity

Unit：m/s（ft/s）



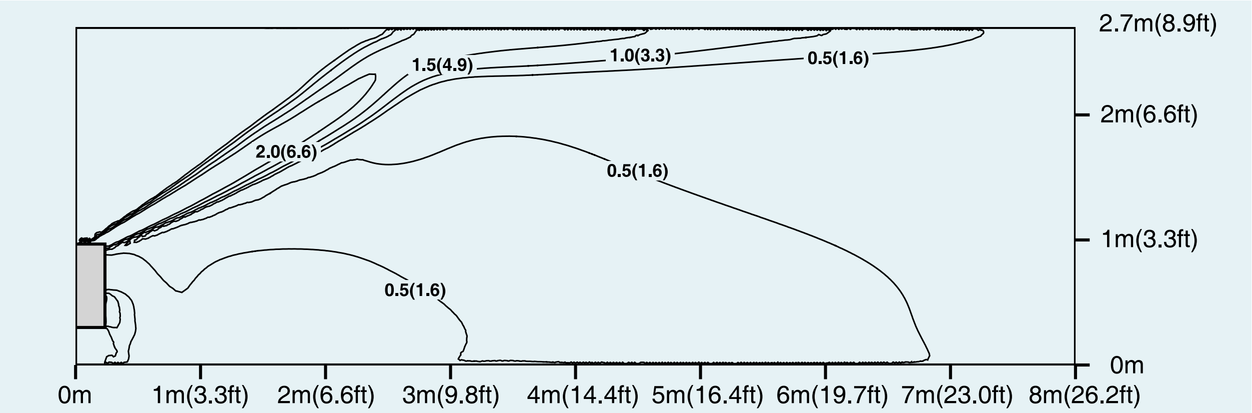
Heating temperature

Unit：˚C（˚F）



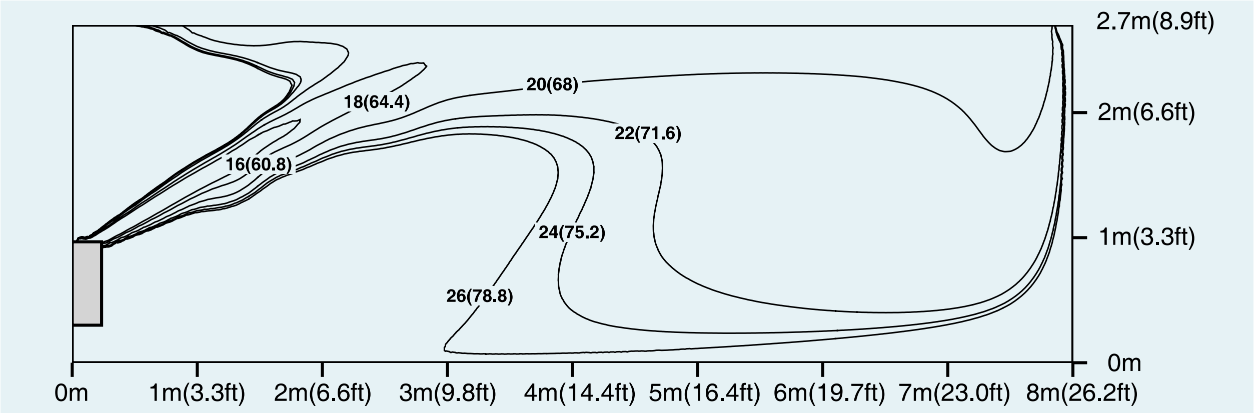
Heating velocity

Unit：m/s（ft/s）



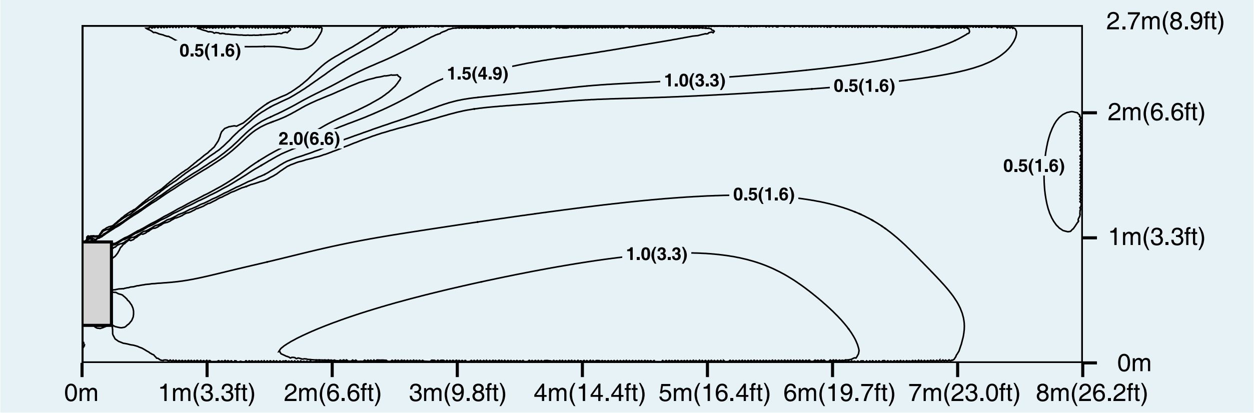
GUD125ZD/A-T、GUD140ZD/A-T
Cooling temperature

Unit: ℃（℉）



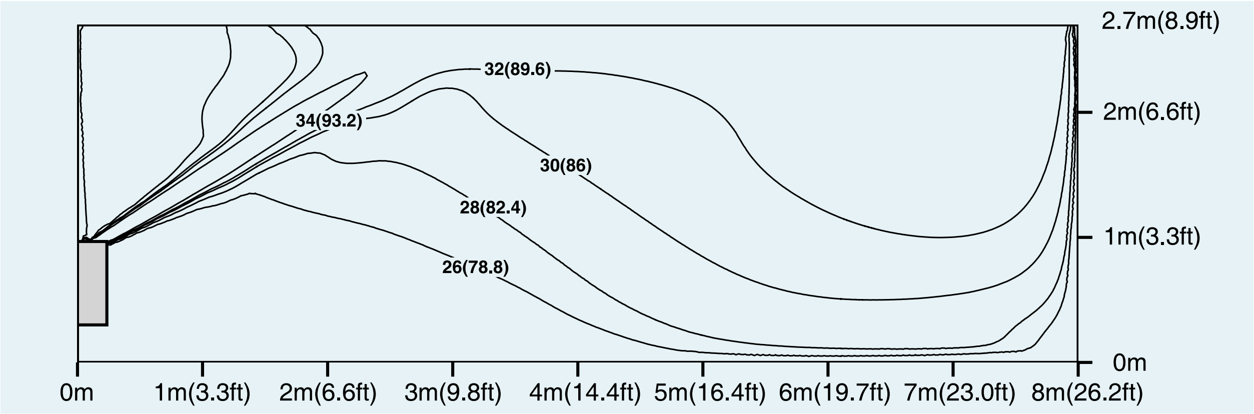
Cooling velocity

Unit: m/s（ft/s）



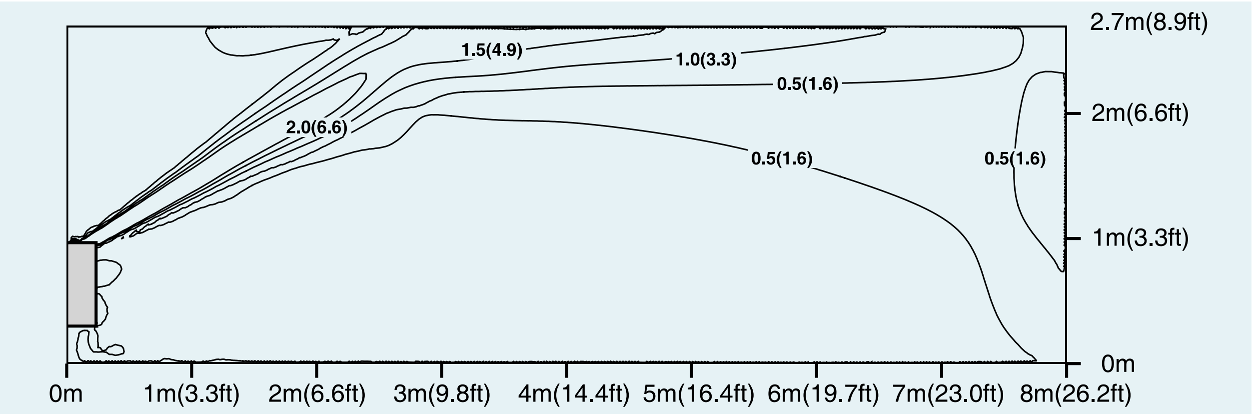
Heating temperature

Unit: ℃（℉）



Heating velocity

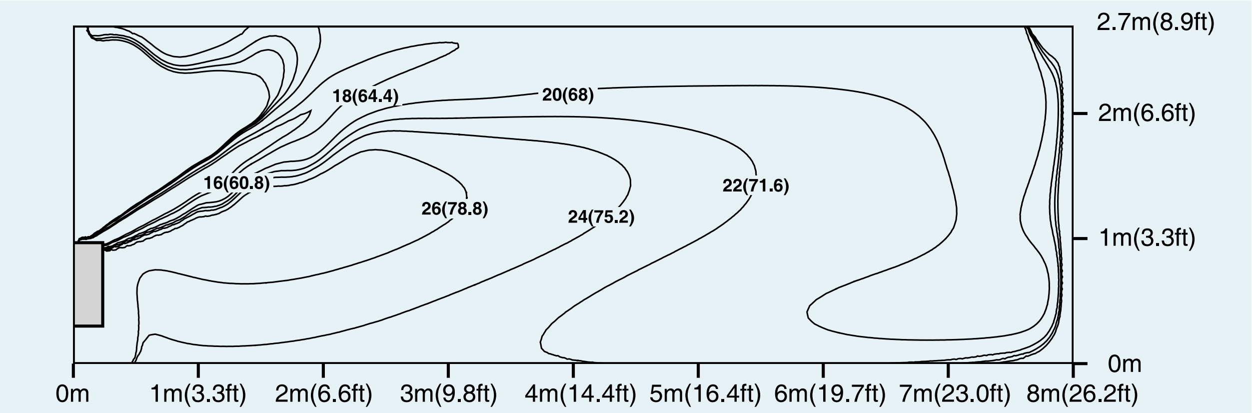
Unit：m/s（ft/s）



GUD160ZD/A-T

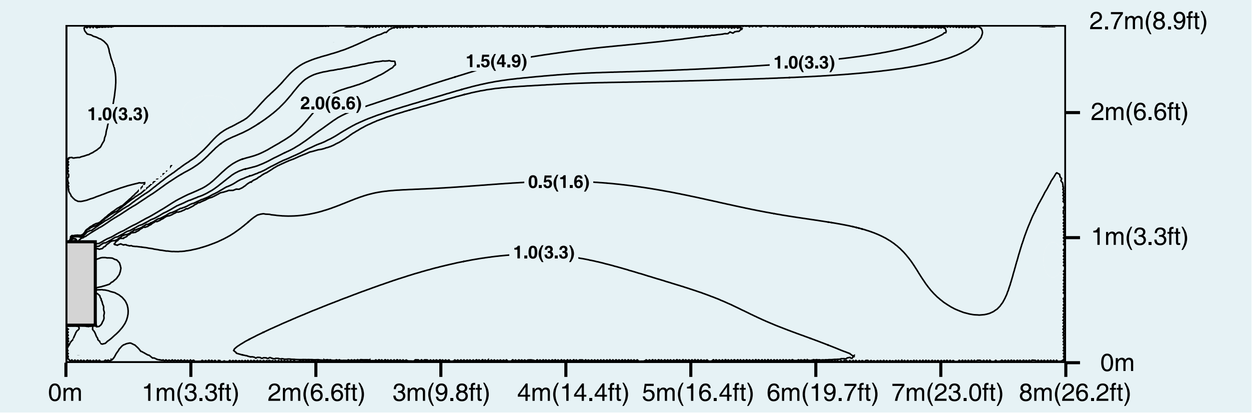
Cooling temperature

Unit：˚C（˚F）



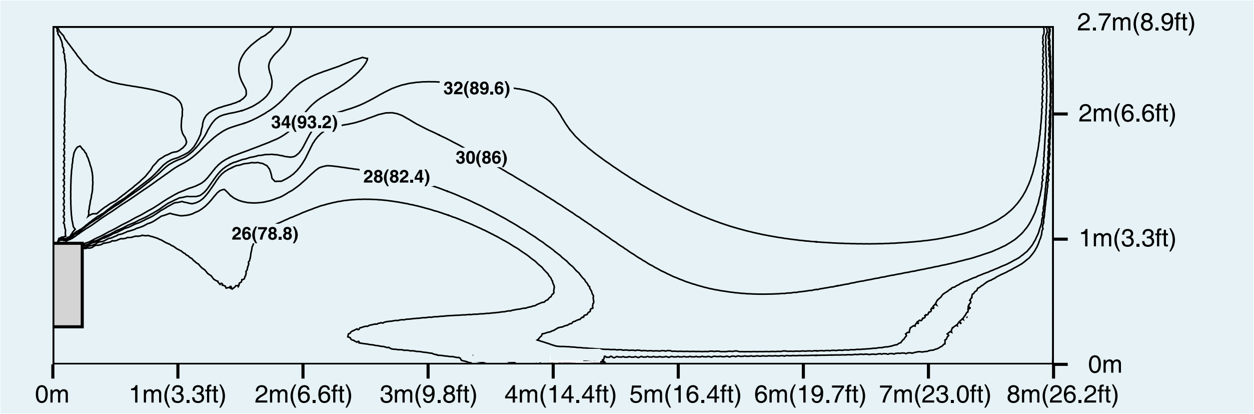
Cooling velocity

Unit：m/s（ft/s）



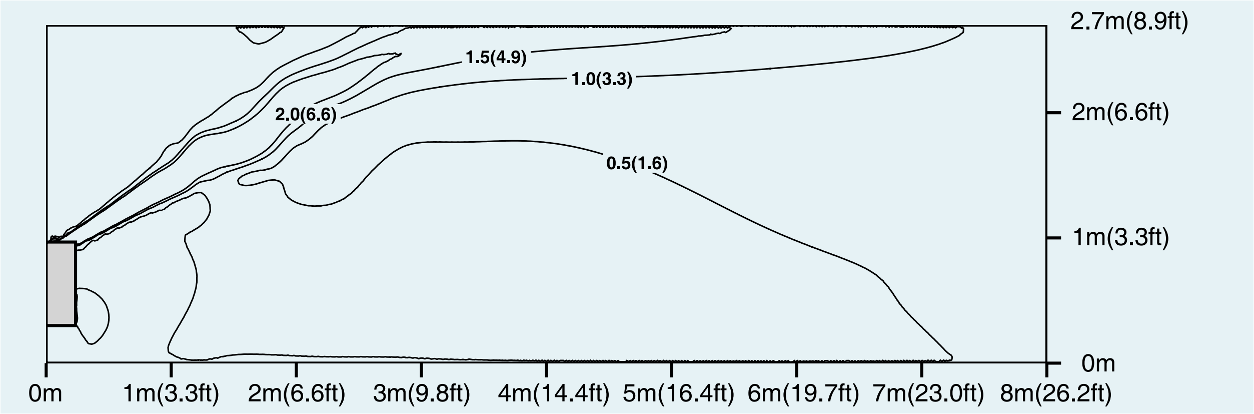
Heating temperature

Unit：℃（℉）



Heating velocity

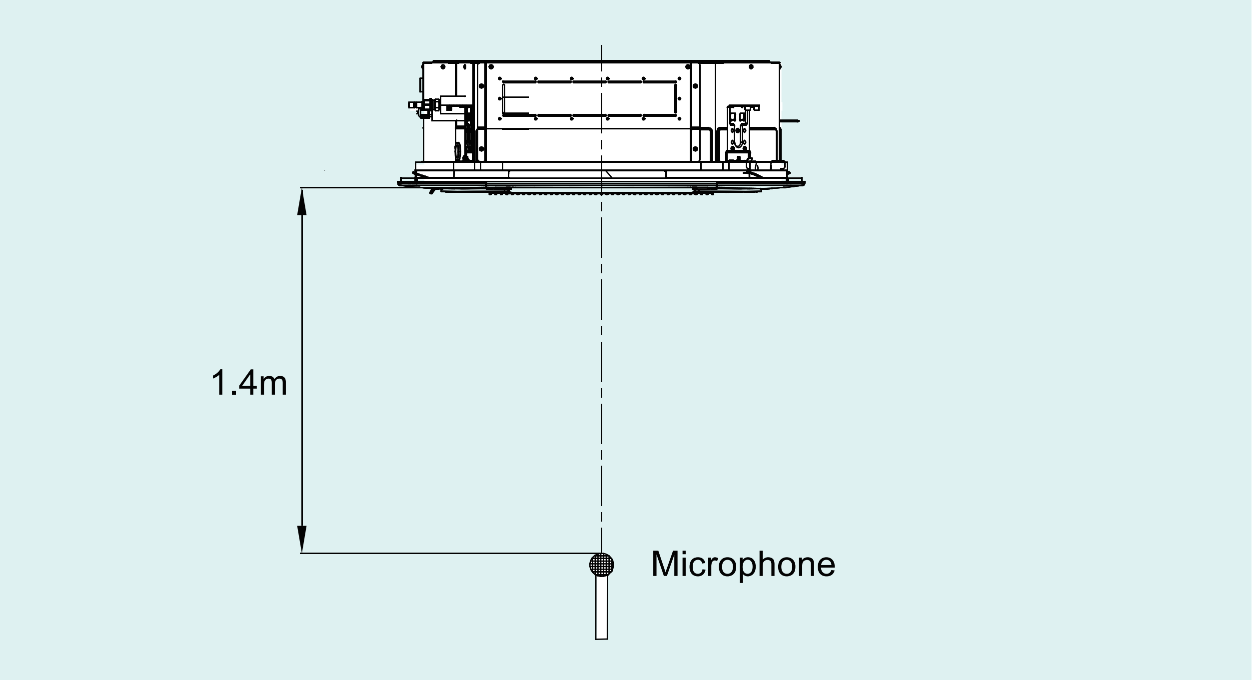
Unit：m/s（ft/s）



9 NOISE CURVE

9.1 Noise Test Diagram

9.1.1 Cassette Type



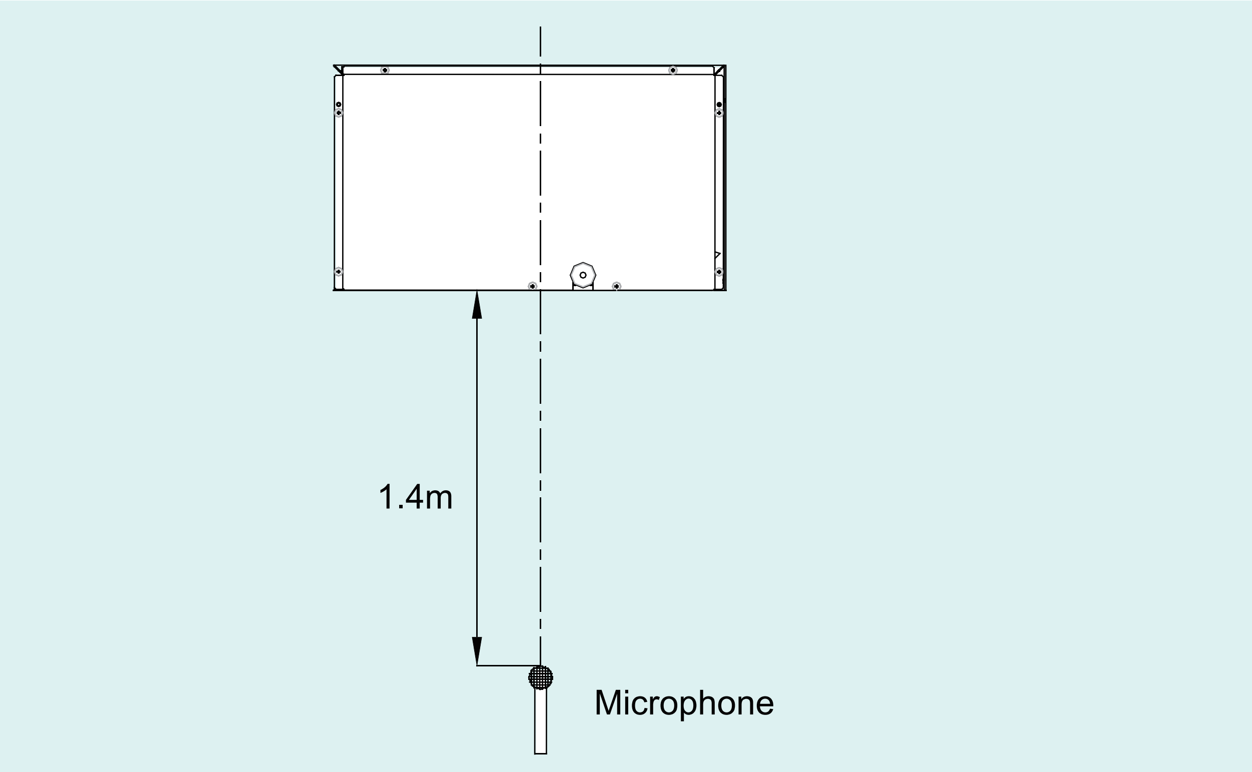
Unit: dB(A)

Model	220-240V, 50Hz, 1ph			
	Turbo	H	M	L
GUD35T/A-T	44	39	36	33
GUD50T/A-T	44	39	36	33
GUD71T/A-T	43	42	40	39
GUD85T/A-T	49	47	44	41
GUD100T/A-T	50	48	46	42
GUD125T/A-T	51	49	46	42
GUD140T/A-T	52	51	48	45
GUD160T/A-T	54	52	50	48

Notes:

1. Above data was measured under standard conditions. Power specification: 220-240V 1N~50Hz.
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.

9.1.2 Duct Type



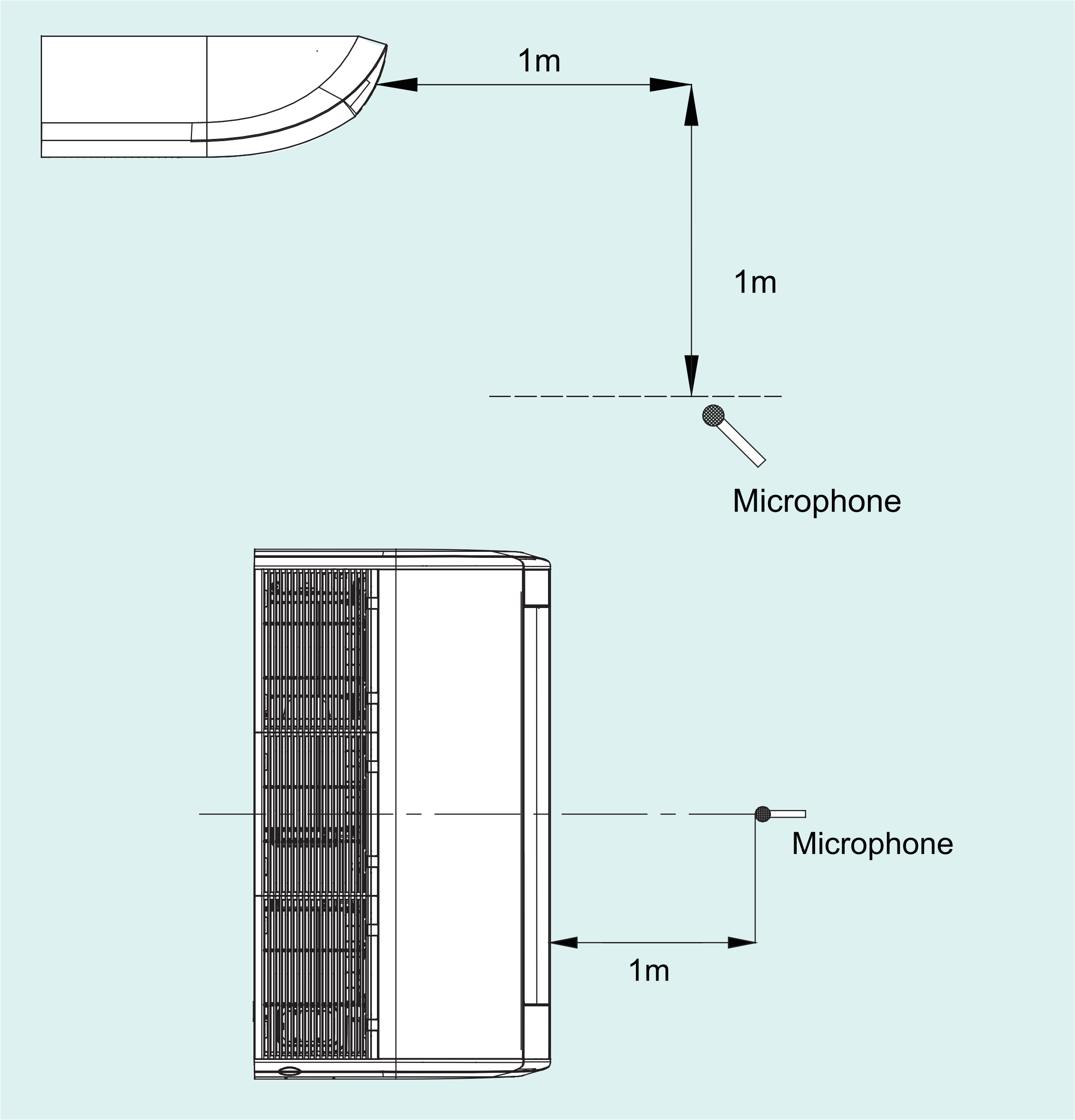
Unit：dB(A)

Model	220-240V, 50Hz, 1ph			
	Turbo	H	M	L
GUD35P/A-T GUD35PS/A-T	41	38	36	34
GUD50P/A-T GUD50PS/A-T	43	42	39	36
GUD71P/A-T GUD71PS/A-T	40	39	37	36
GUD85P/A-T GUD85PS/A-T	42	40	37	35
GUD100PH/A-T GUD100PHS/A-T	46	44	42	40
GUD125PH/A-T GUD125PHS/A-T	42	40	39	37
GUD140PH/A-T GUD140PHS/A-T	43	41	40	38
GUD160PH/A-T GUD160PHS/A-T	44	41	39	38

Notes:

1. Above data was measured under standard conditions. Power specification: 220-240V 1N~50Hz.
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.

9.1.3 Floor Ceiling Type



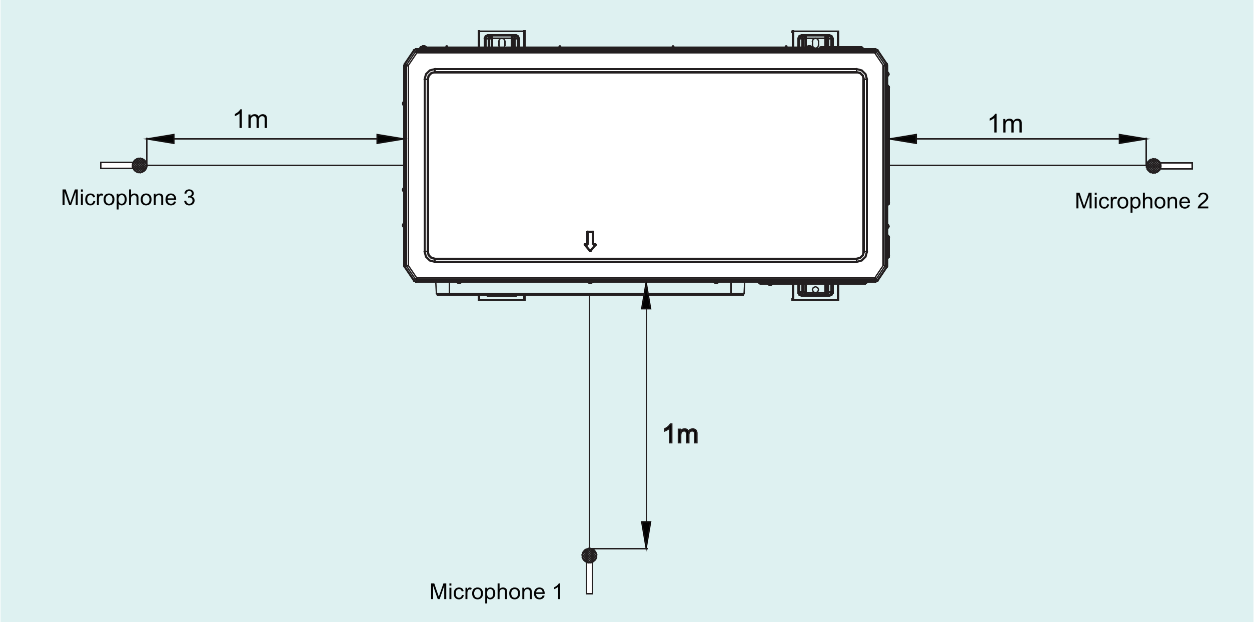
Unit：dB(A)

Model	220-240V, 50Hz, 1ph			
	Turbo	H	M	L
GUD35ZD/A-T	39	36	32	28
GUD50ZD/A-T	44	42	39	36
GUD71ZD/A-T	45	44	41	38
GUD85ZD/A-T	49	47	45	43
GUD100ZD/A-T	49	47	45	43
GUD125ZD/A-T	49	47	44	42
GUD140ZD/A-T	52	50	48	44
GUD160ZD/A-T	54	53	49	45

Notes:

1. Above data was measured under standard conditions. Power specification:220-240V 1N~50Hz.
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.

9.1.4 Outdoor Unit



Unit：dB(A)

Model	Cooling	Heating	Power supply （V,Ph,Hz）
GUD35W/NhA-T	50	48	220-240V/1ph/50Hz
GUD50W/NhA-T	53	50	
GUD71W/NhA-T	52	51	
GUD85W/NhA-T	53	52	
GUD100W/NhA-T	55	55	
GUD125W/NhA-T	55	55	
GUD140W/NhA-T	56	54	
GUD100W/NhA-X	55	55	380-415V/3ph/50Hz
GUD125W/NhA-X	56	55	
GUD140W/NhA-X	57	54	
GUD160W/NhA-X	57	56	

Notes:

1. Above data was measured under standard conditions. Power specification: 220-240V 1N~50Hz,380-415V 3N~50Hz.

2. Above data was the average of three points data.

3. Above data was measured in a semi-anechoic room.

4. Decibels will be varied with the change of external factors, for instance, the room structure. Please refer to the actual measurement.

5. h: the height of the Microphone

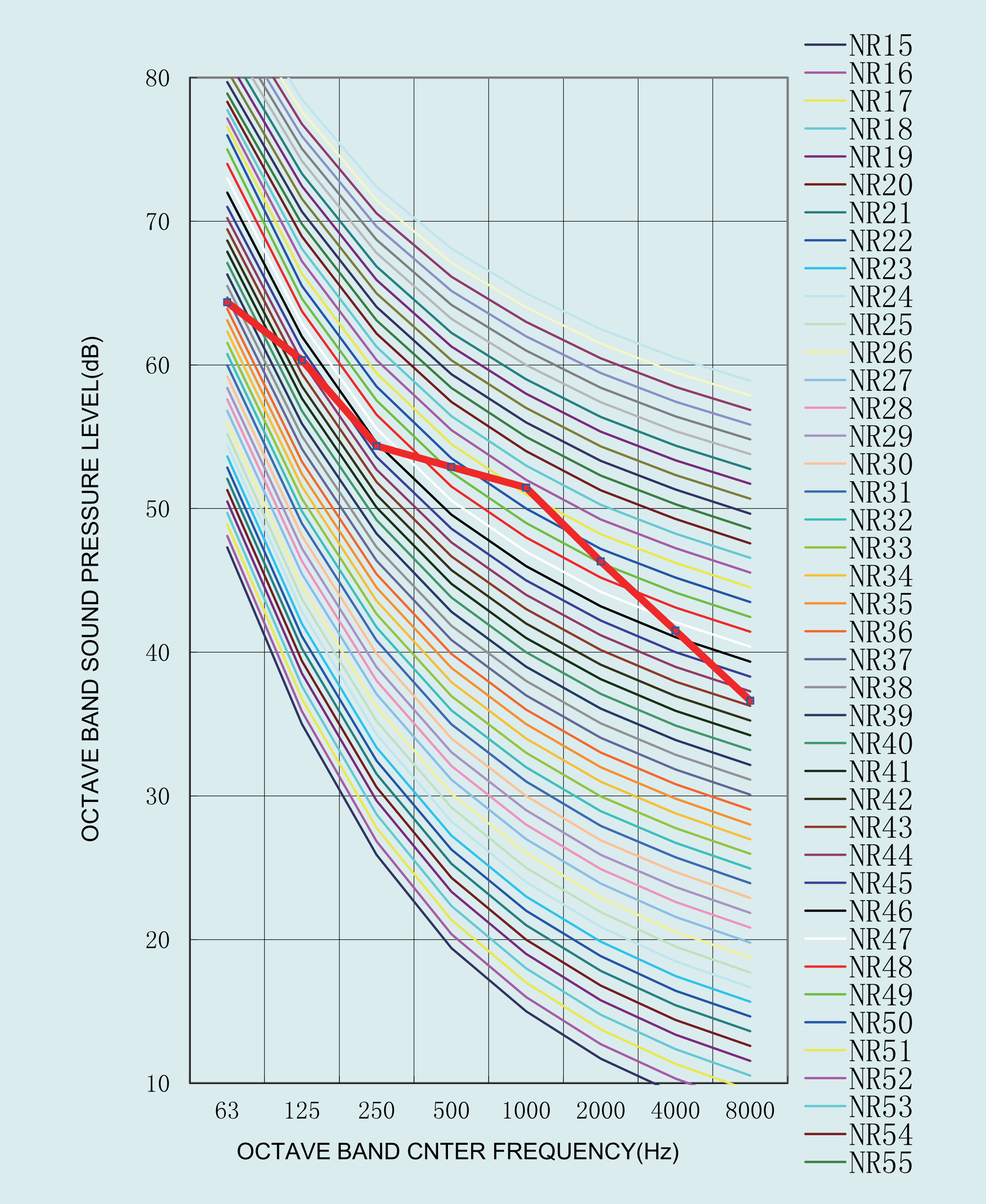
H: the height of the units

h=(H+1)/2

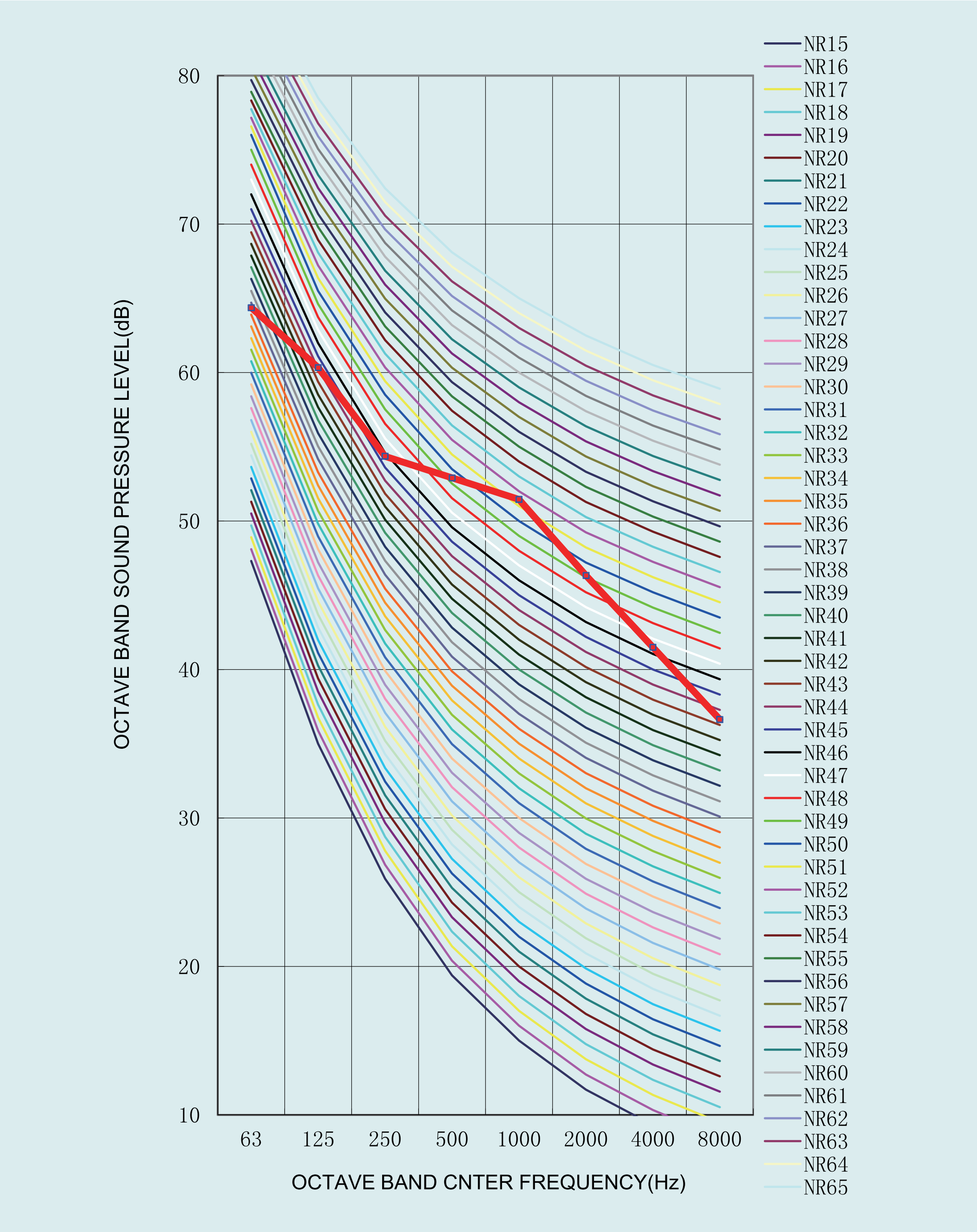
9.2 Noise Curve

9.2.1 Indoor Uni

GUD71T/A-T
Cooling



Heating



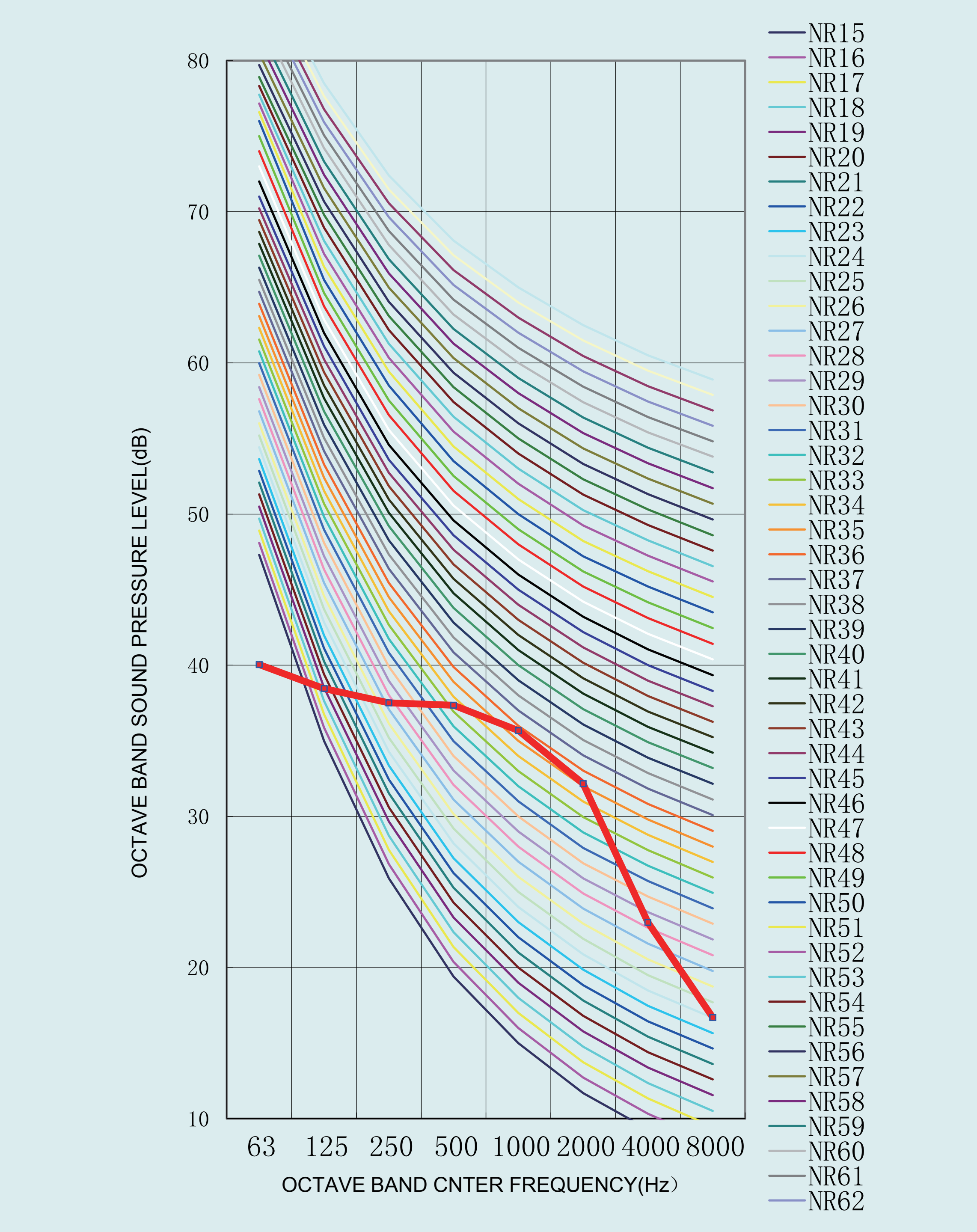
1.Data is valid at field condition.

2.Data is valid at nominal operation condition.

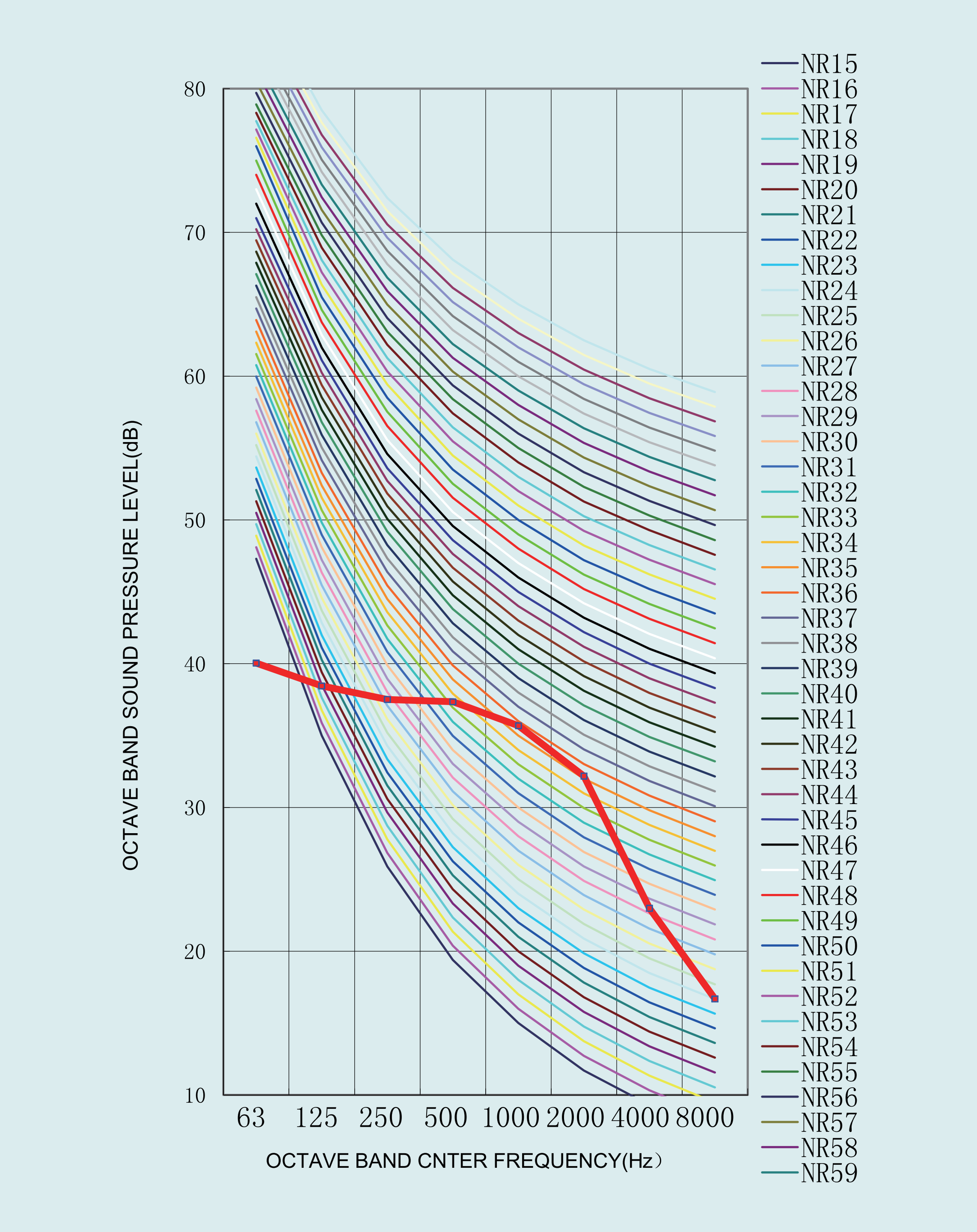
3.dBA =A –weighted sound pressure level (A-scale according to IEC).

4.Noise level curve NR: The International Organization for Standardization (ISO) evaluates the noise level (NR) of the noise spectrum using a single value on the spectrum method (according to ISO 1996).

GUD85T/A-T
Cooling



Heating



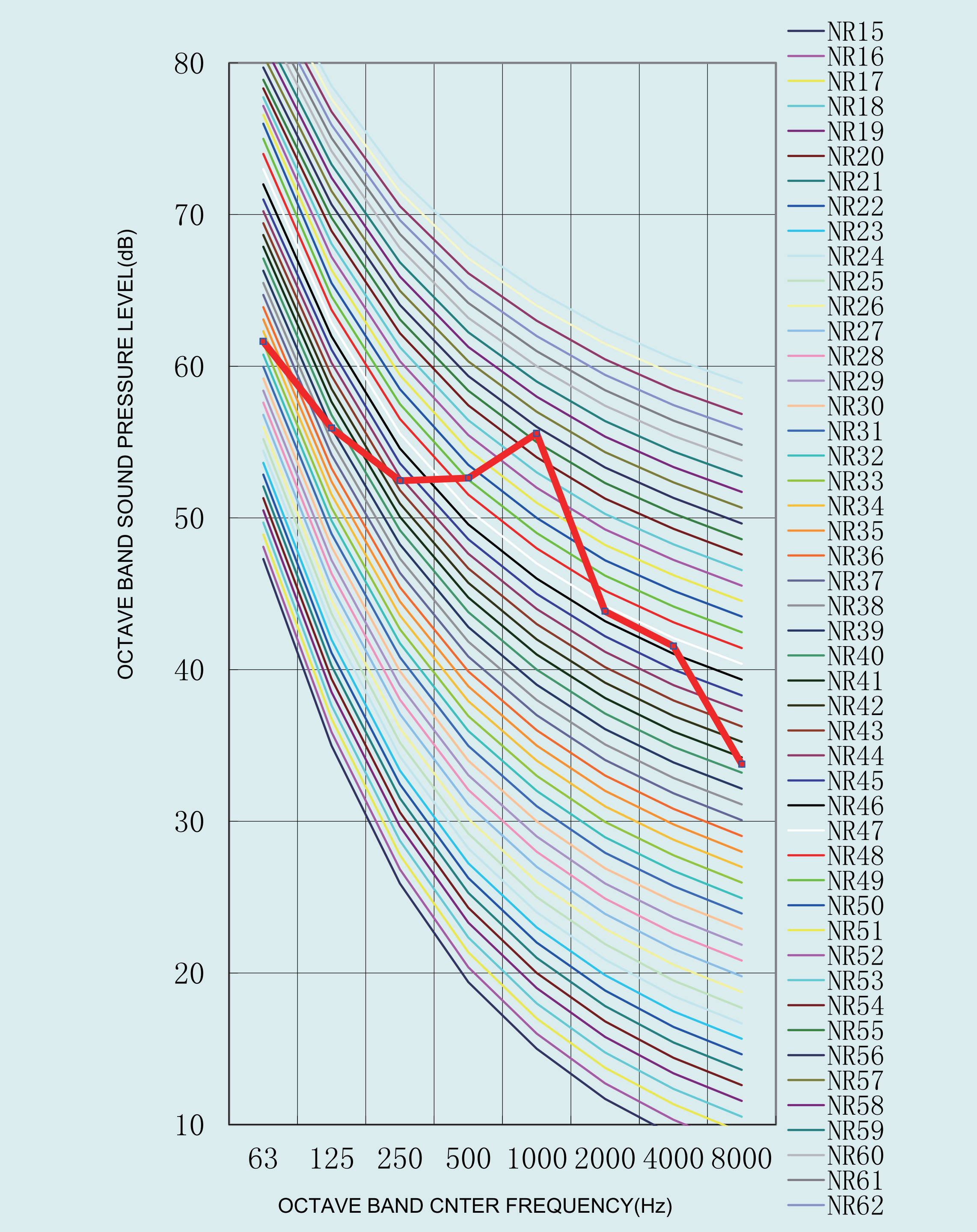
1.Data is valid at field condition.

2.Data is valid at nominal operation condition.

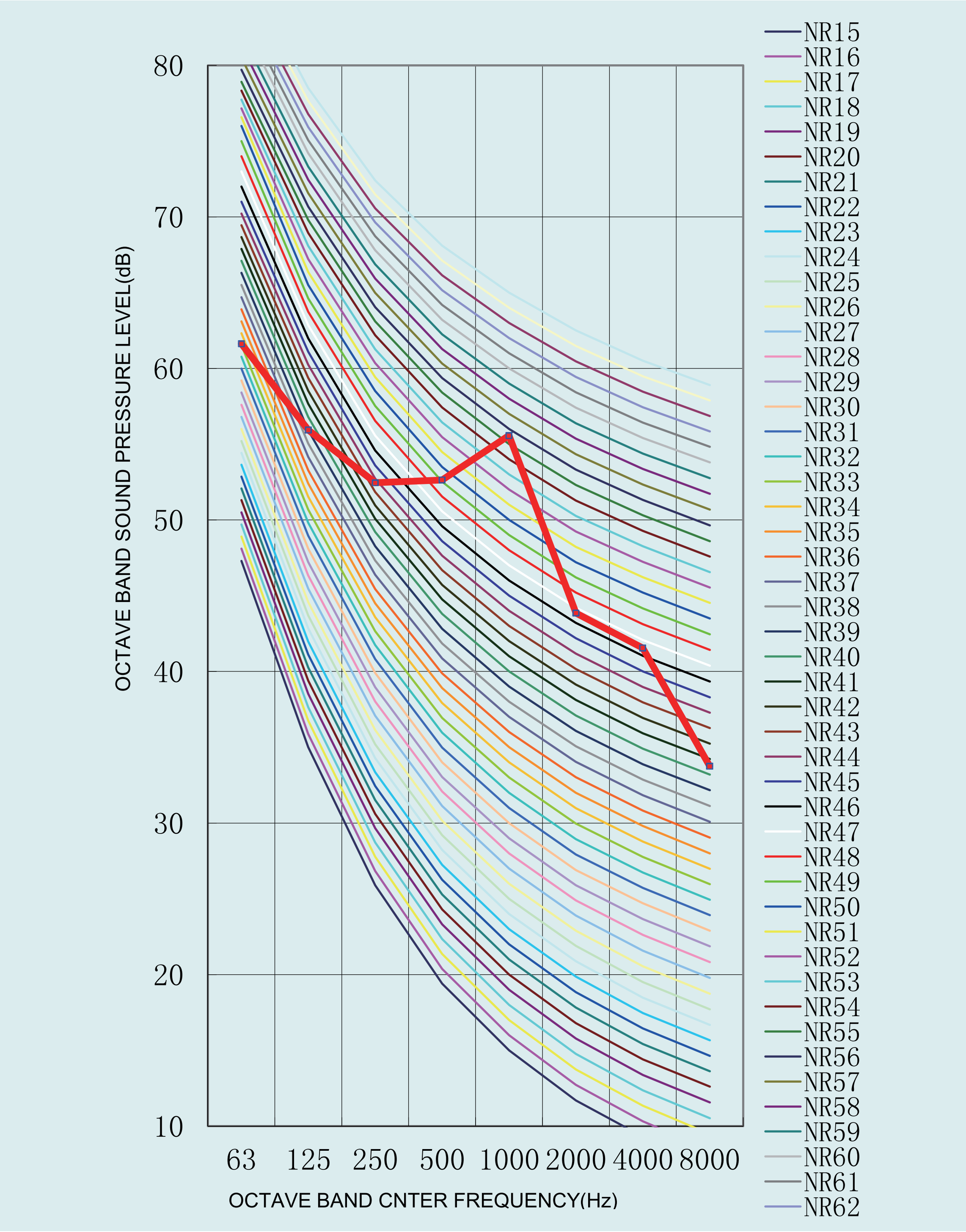
3.dBA =A –weighted sound pressure level (A-scale according to IEC).

4.Noise level curve NR: The International Organization for Standardization (ISO) evaluates the noise level (NR) of the noise spectrum using a single value on the spectrum method (according to ISO 1996).

GUD100T/A-T
Cooling



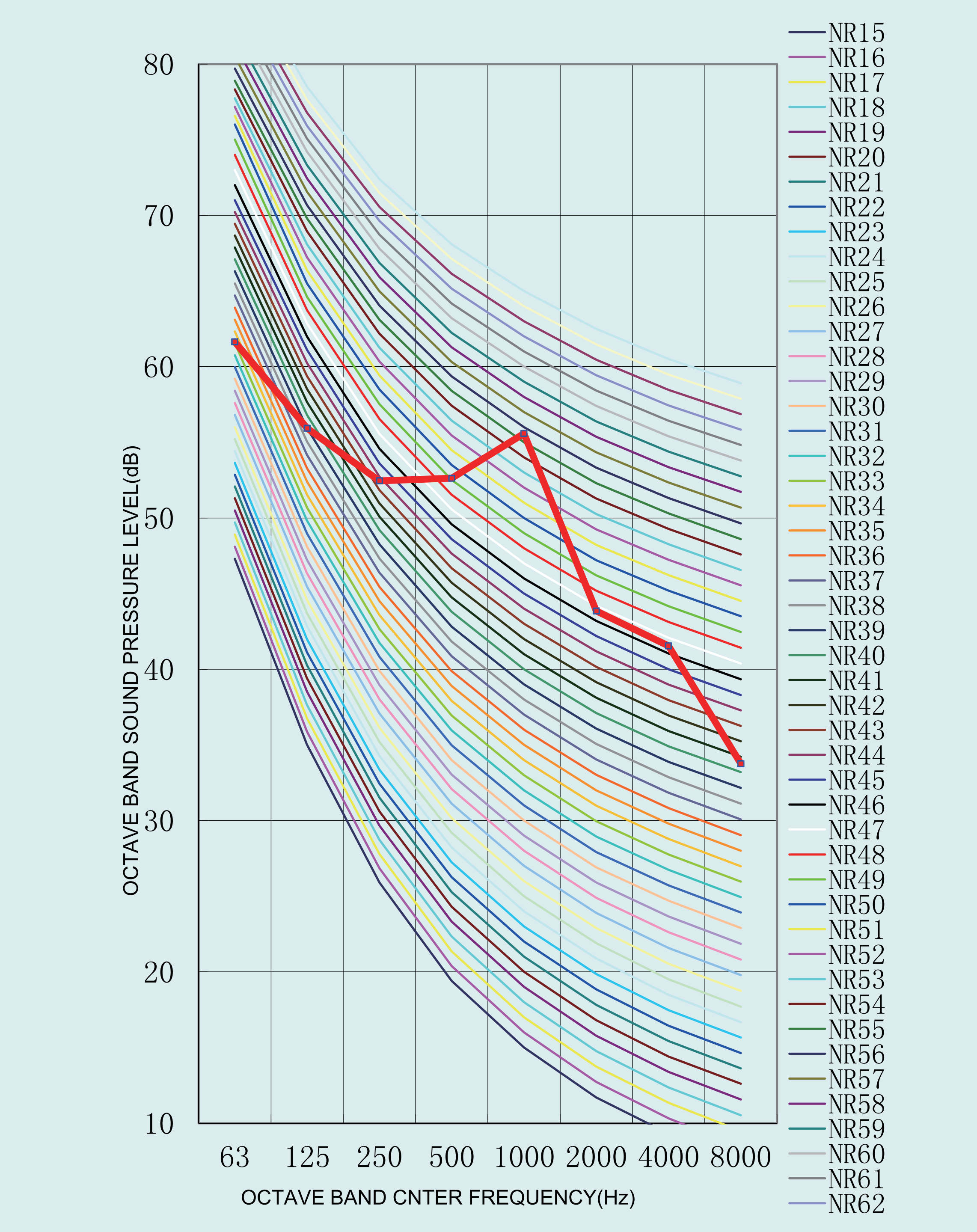
Heating



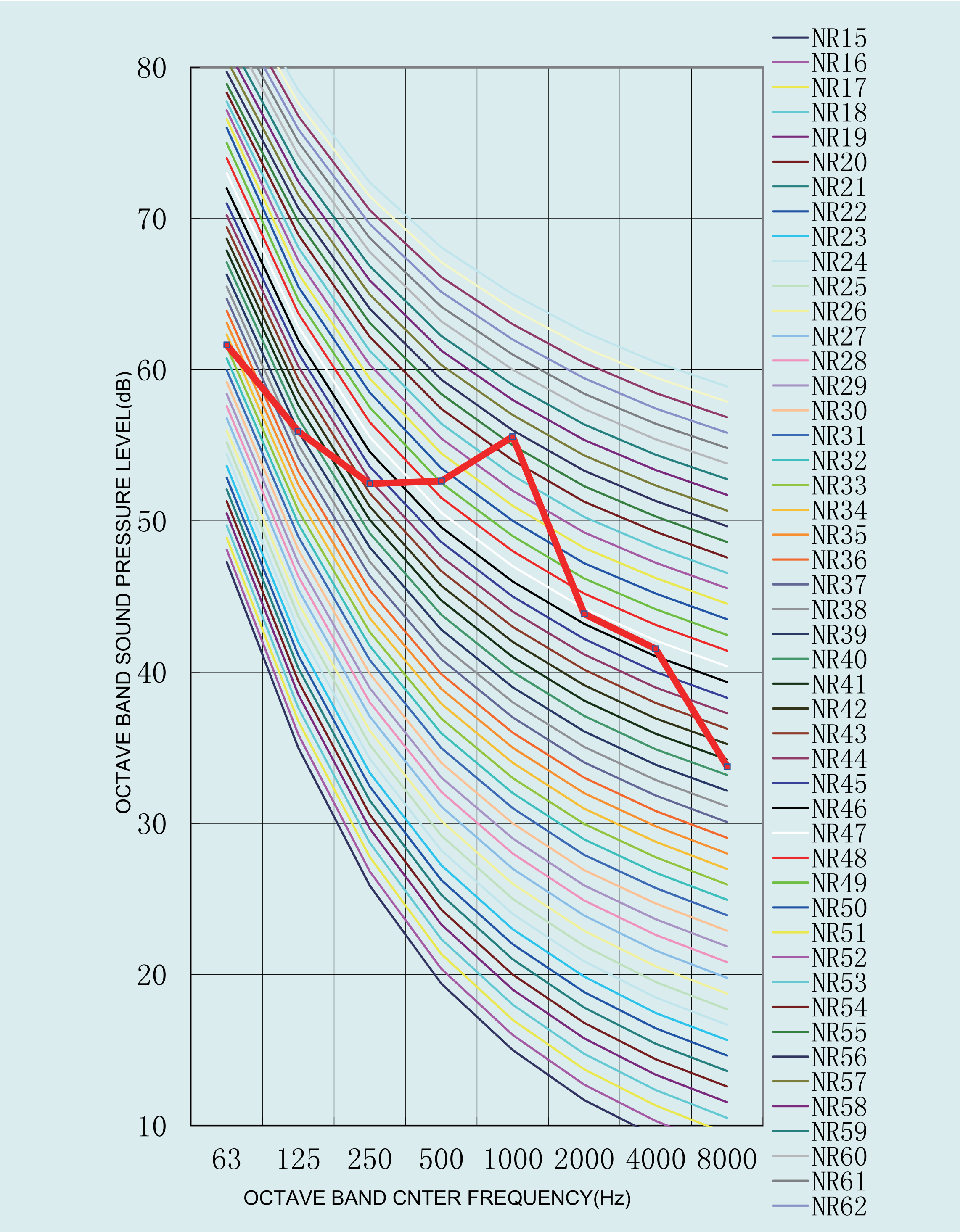
1.Data is valid at field condition.
2.Data is valid at nominal operation condition.
3.dBA =A –weighted sound pressure level (A-scale according to IEC).

4.Noise level curve NR: The International Organization for Standardization (ISO) evaluates the noise level (NR) of the noise spectrum using a single value on the spectrum method (according to ISO 1996).

GUD125T/A-T
Cooling



Heating



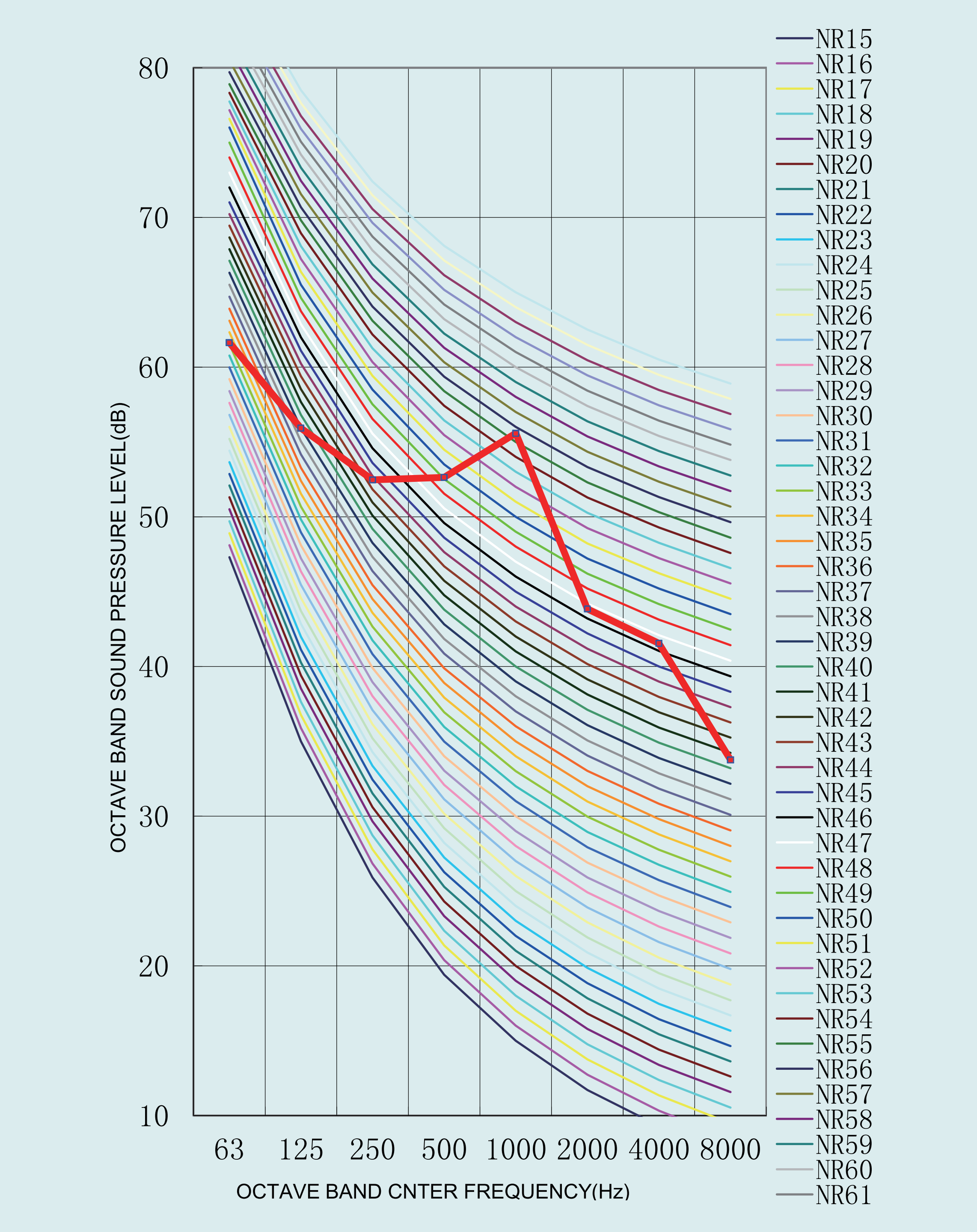
1.Data is valid at field condition.

2.Data is valid at nominal operation condition.

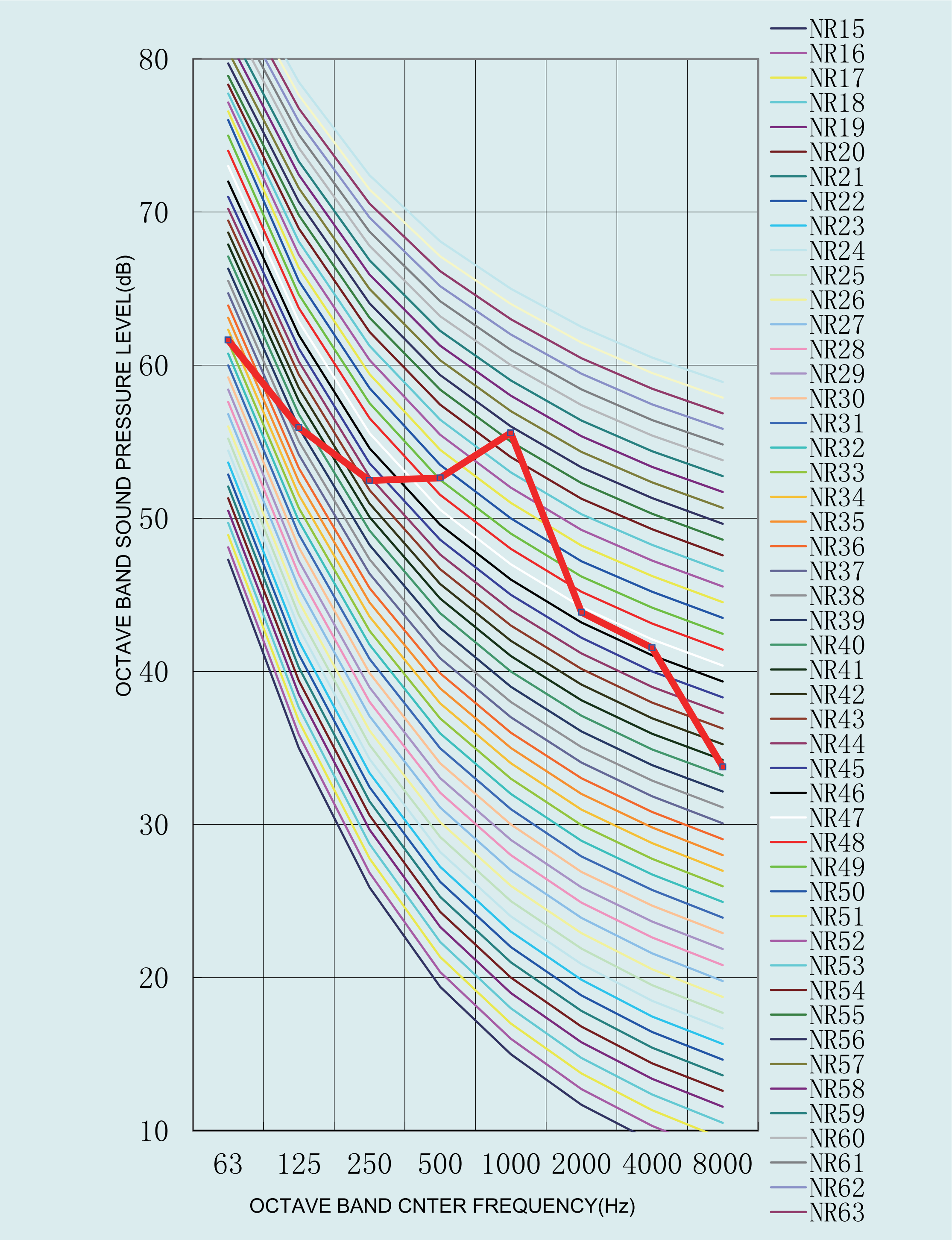
3.dBA =A –weighted sound pressure level (A-scale according to IEC).

4.Noise level curve NR: The International Organization for Standardization (ISO) evaluates the noise level (NR) of the noise spectrum using a single value on the spectrum method (according to ISO 1996).

GUD140T/A-T
Cooling



Heating



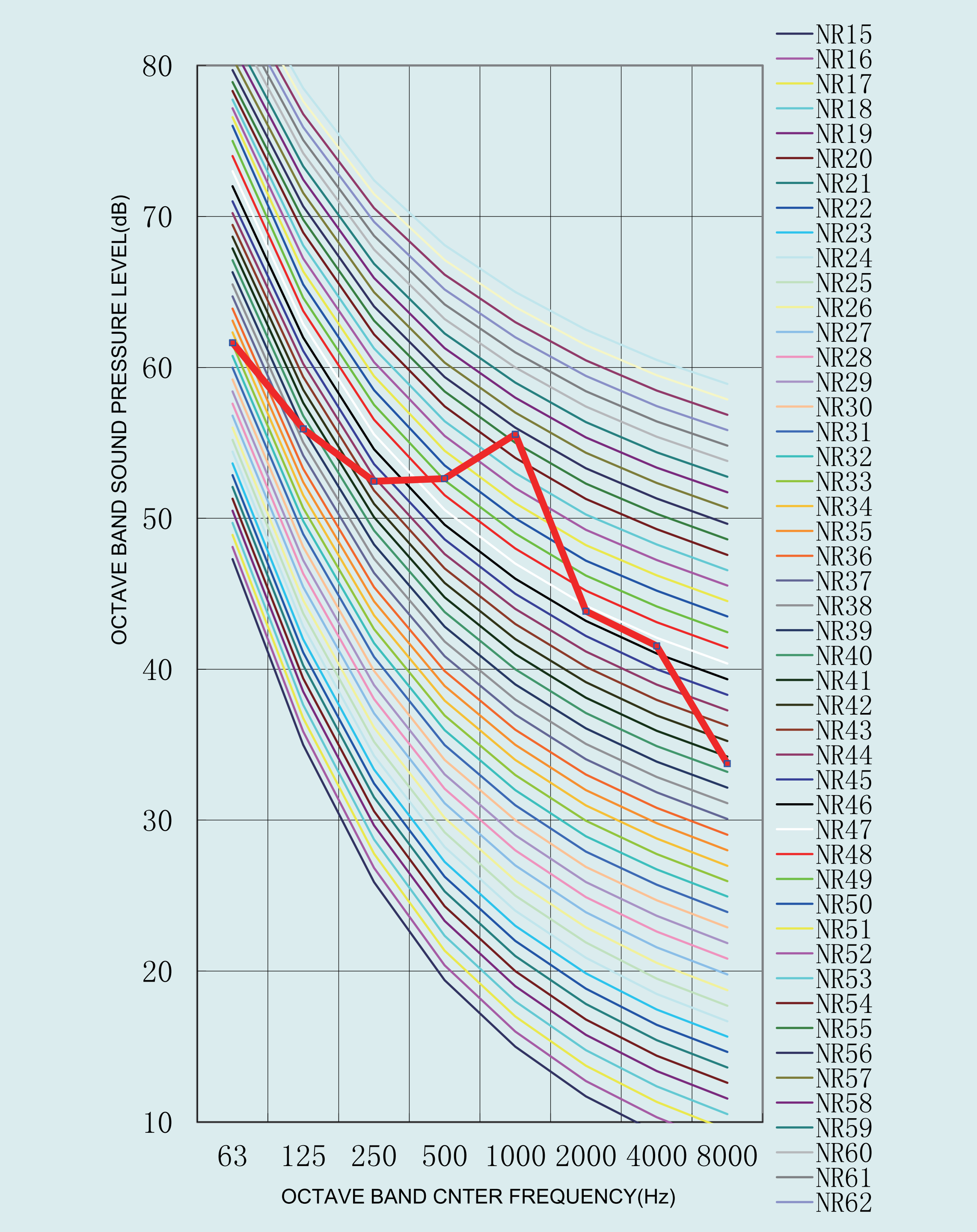
1.Data is valid at field condition.

2.Data is valid at nominal operation condition.

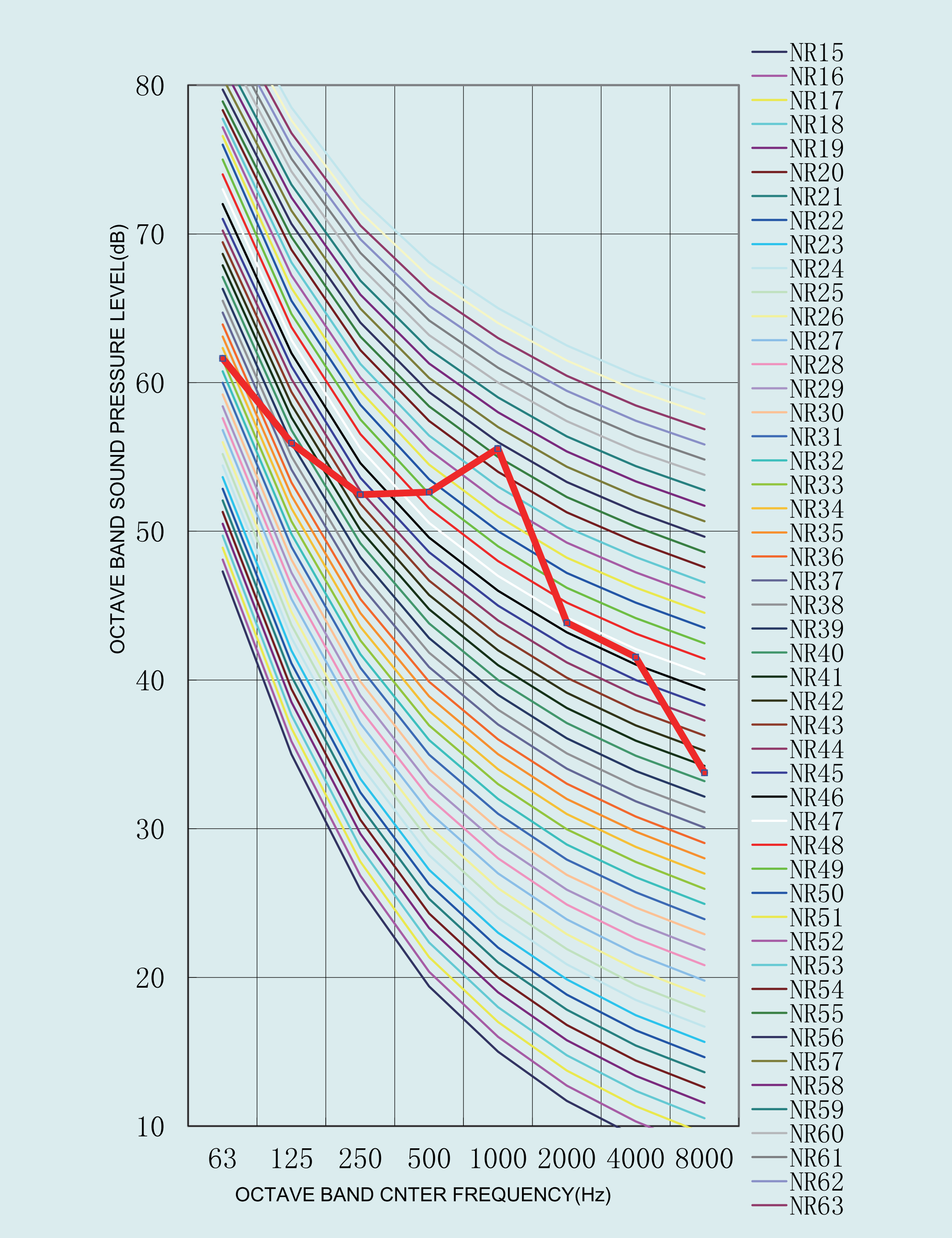
3.dBA =A –weighted sound pressure level (A-scale according to IEC).

4.Noise level curve NR: The International Organization for Standardization (ISO) evaluates the noise level (NR) of the noise spectrum using a single value on the spectrum method (according to ISO 1996).

GUD160T/A-T
Cooling



Heating



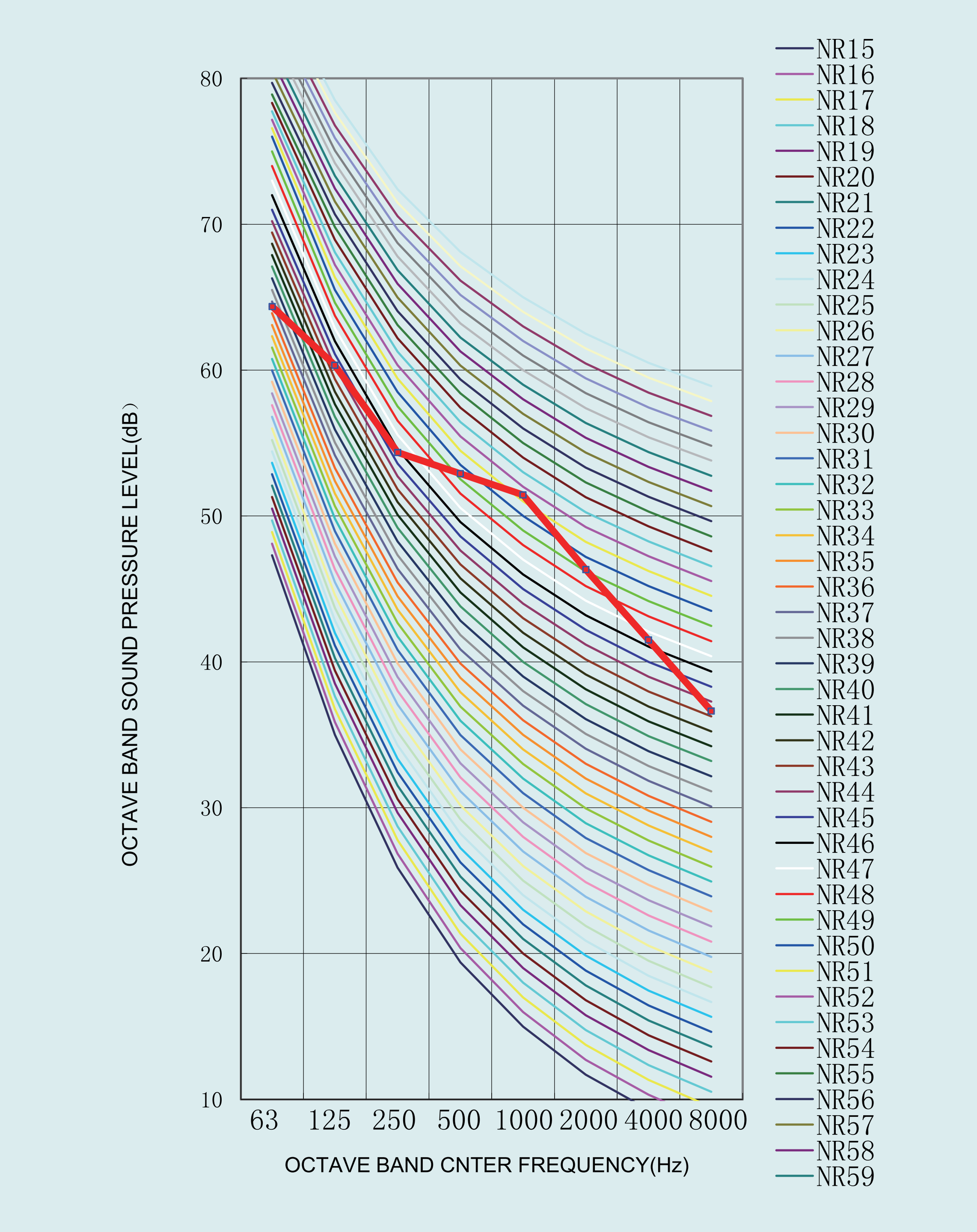
1.Data is valid at field condition.

2.Data is valid at nominal operation condition.

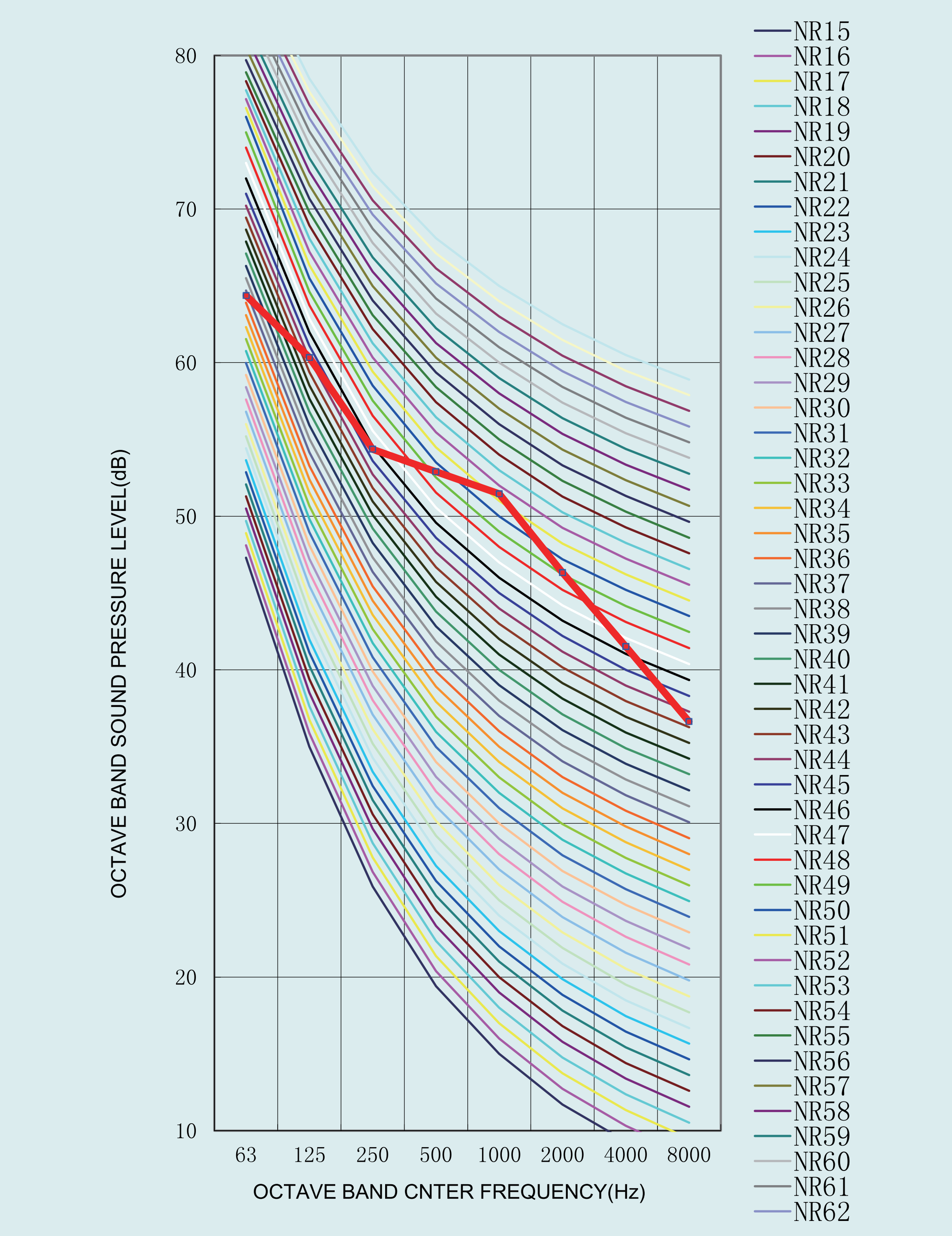
3.dBA =A –weighted sound pressure level (A-scale according to IEC).

4.Noise level curve NR: The International Organization for Standardization (ISO) evaluates the noise level (NR) of the noise spectrum using a single value on the spectrum method (according to ISO 1996).

GUD35P/A-T, GUD35PS/A-T
Cooling



Heating



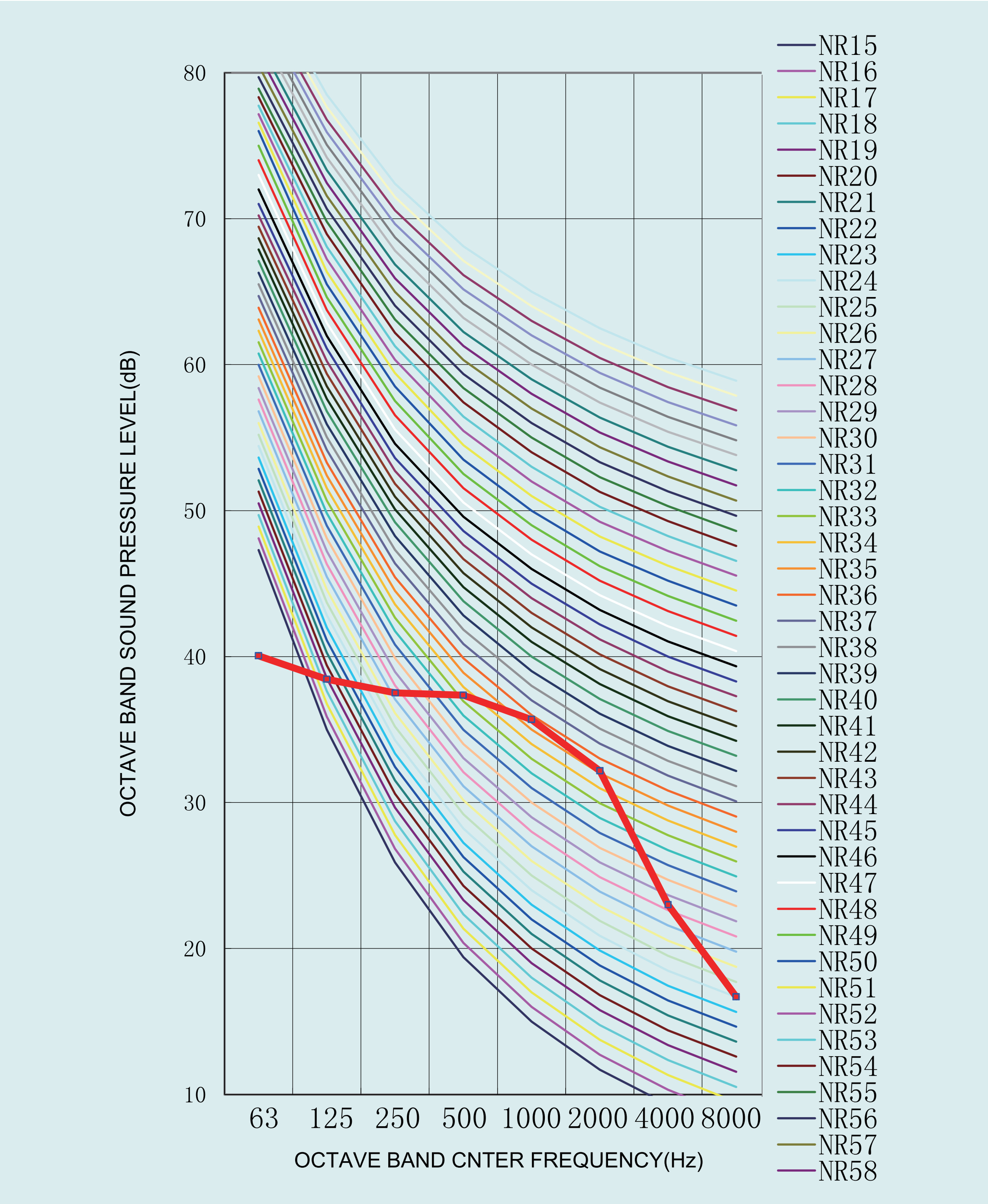
1.Data is valid at field condition.

2.Data is valid at nominal operation condition.

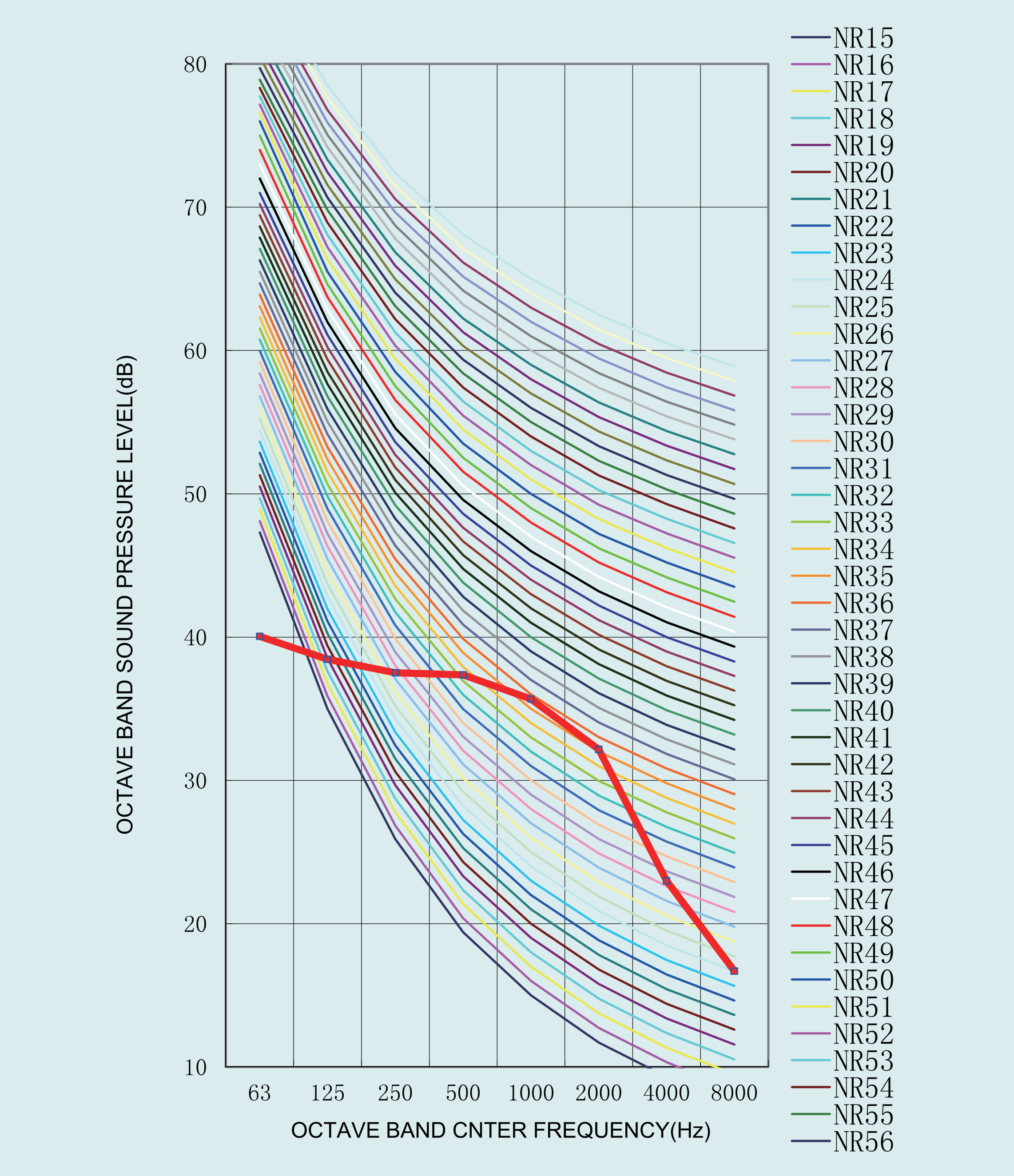
3.dBA =A –weighted sound pressure level (A-scale according to IEC).

4.Noise level curve NR: The International Organization for Standardization (ISO) evaluates the noise level (NR) of the noise spectrum using a single value on the spectrum method (according to ISO 1996).

GUD50P/A-T, GUD50PS/A-T
Cooling



Heating



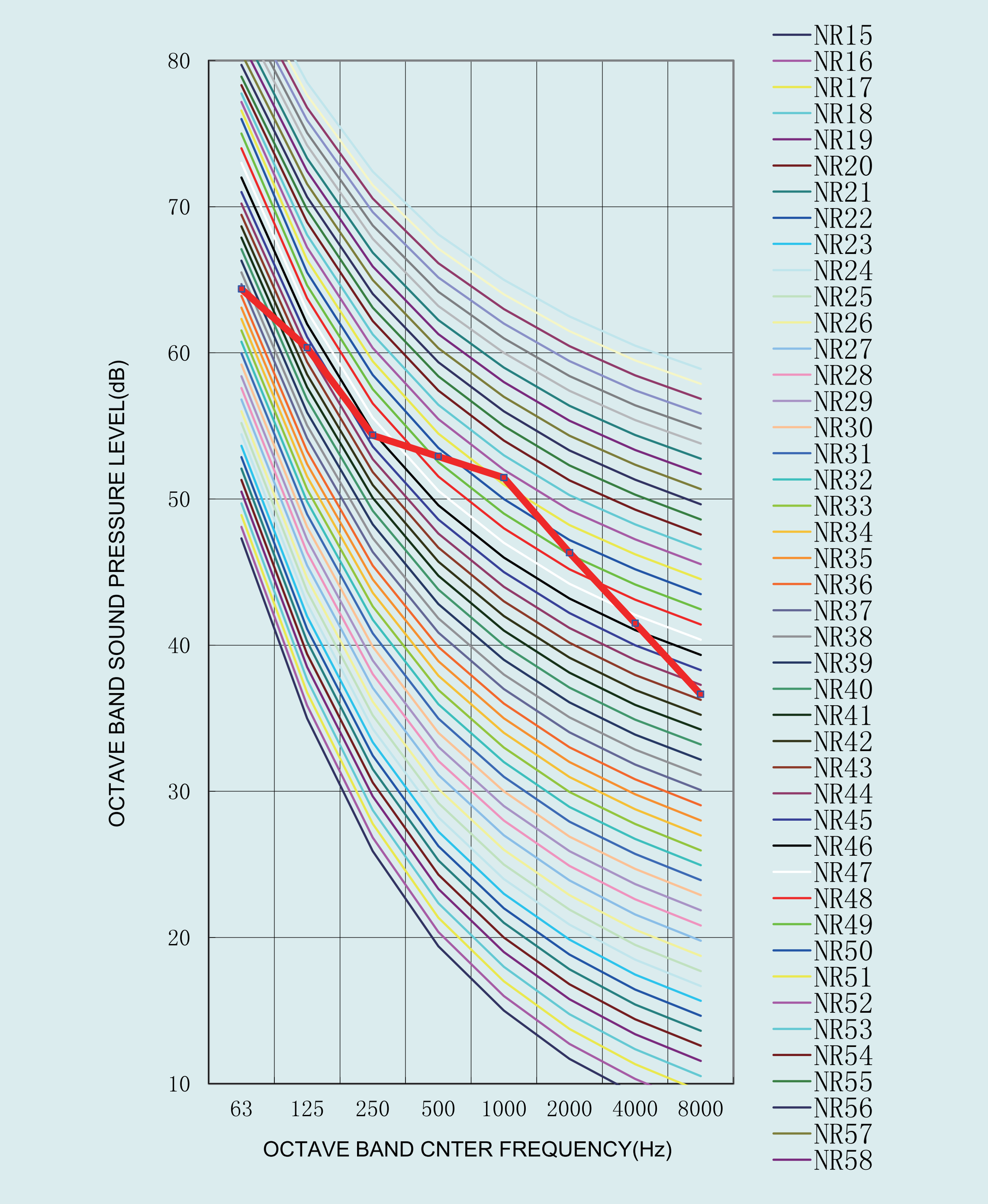
1.Data is valid at field condition.

2.Data is valid at nominal operation condition.

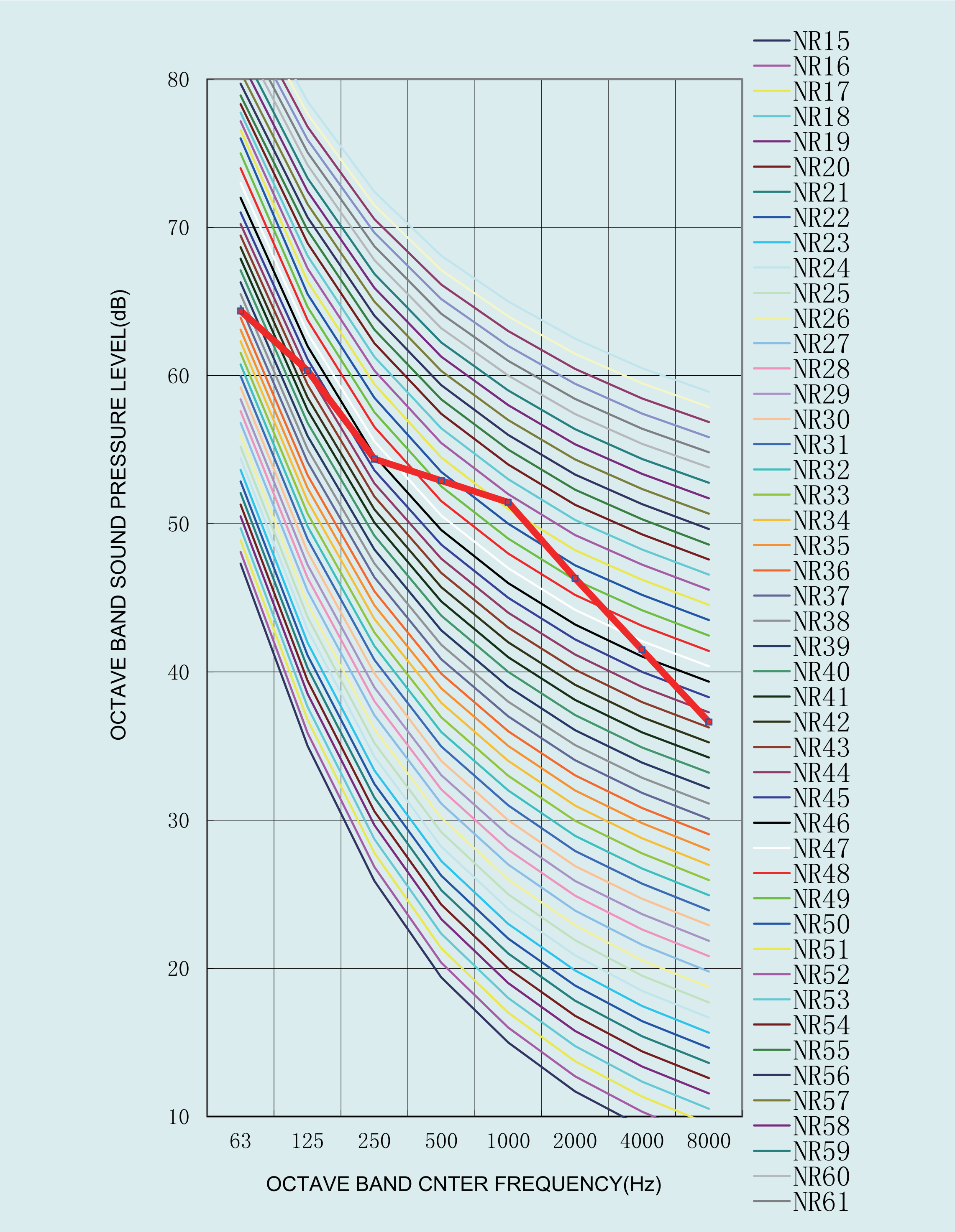
3.dBA =A –weighted sound pressure level (A-scale according to IEC).

4.Noise level curve NR: The International Organization for Standardization (ISO) evaluates the noise level (NR) of the noise spectrum using a single value on the spectrum method (according to ISO 1996).

GUD71P/A-T, GUD71PS/A-T
Cooling



Heating



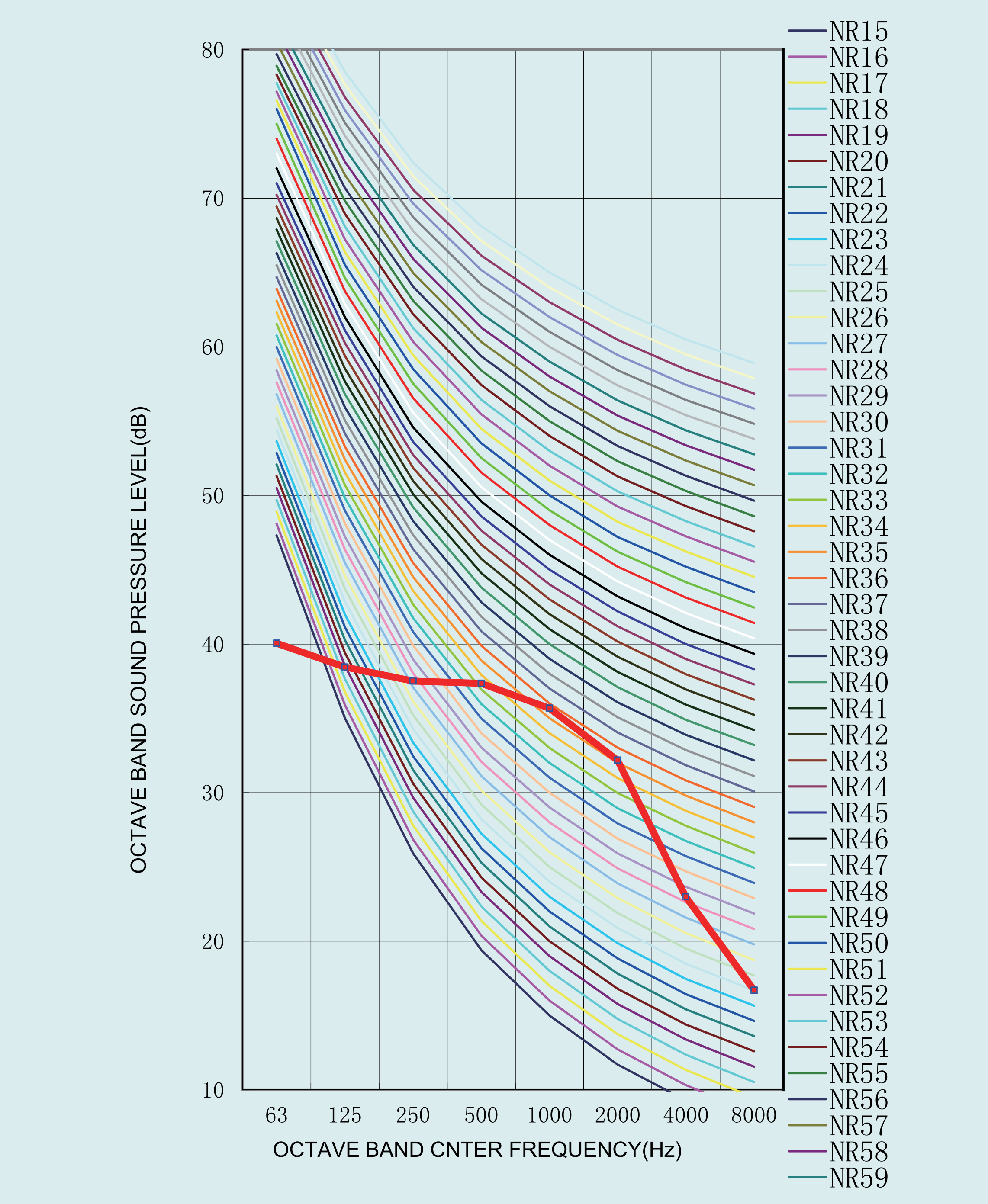
1.Data is valid at field condition.

2.Data is valid at nominal operation condition.

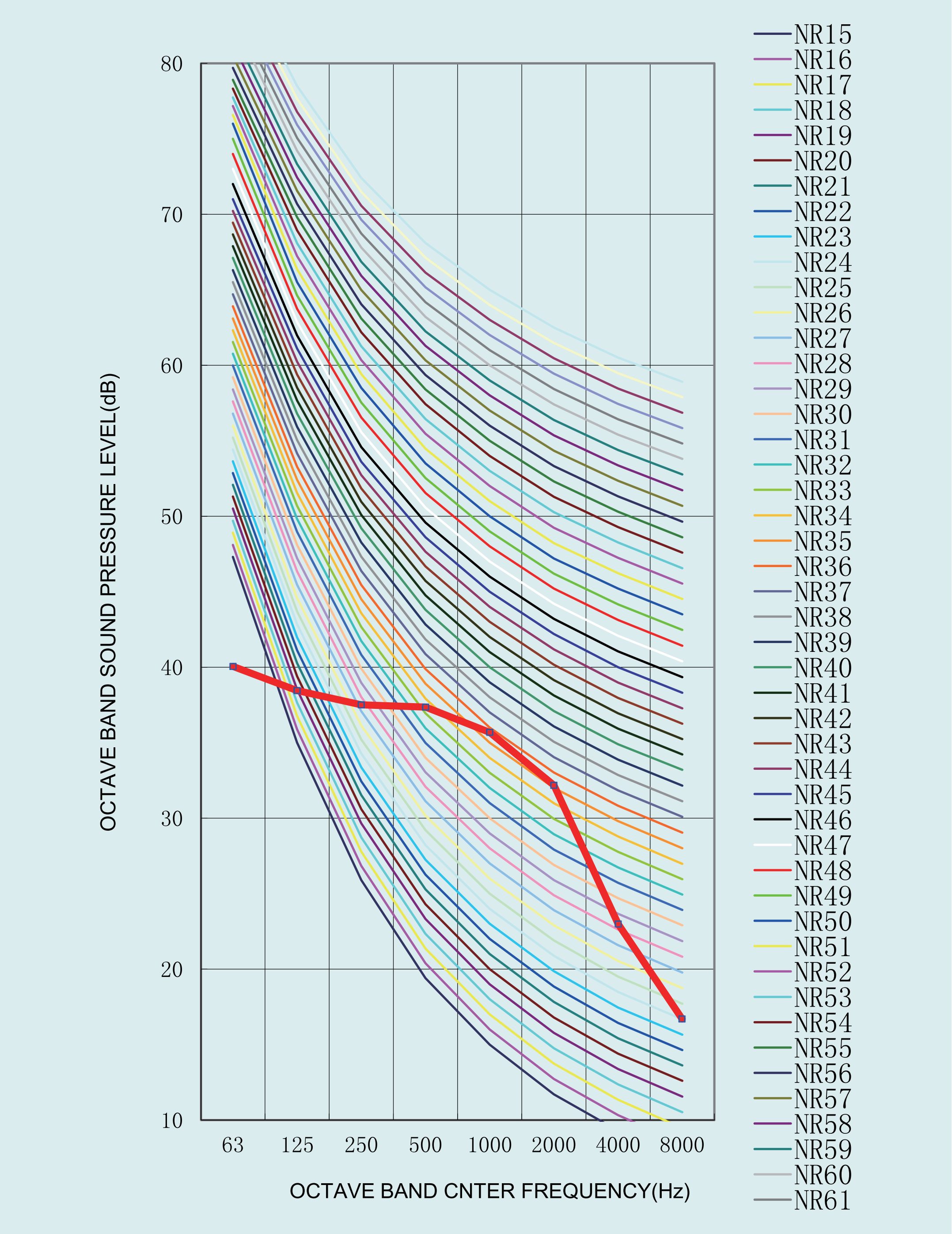
3.dBA =A –weighted sound pressure level (A-scale according to IEC).

4.Noise level curve NR: The International Organization for Standardization (ISO) evaluates the noise level (NR) of the noise spectrum using a single value on the spectrum method (according to ISO 1996).

GUD85P/A-T, GUD85PS/A-T
Cooling



Heating



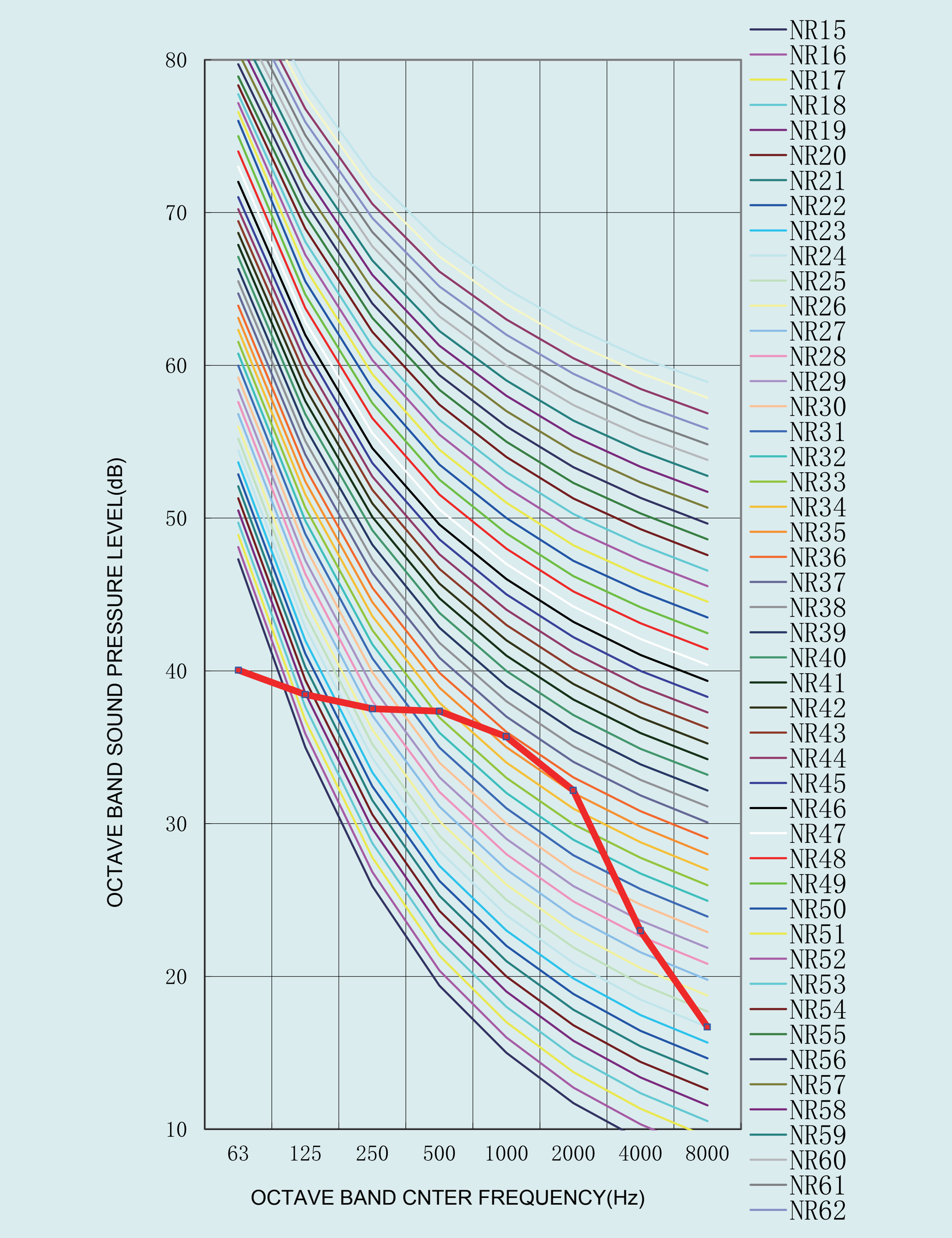
1.Data is valid at field condition.

2.Data is valid at nominal operation condition.

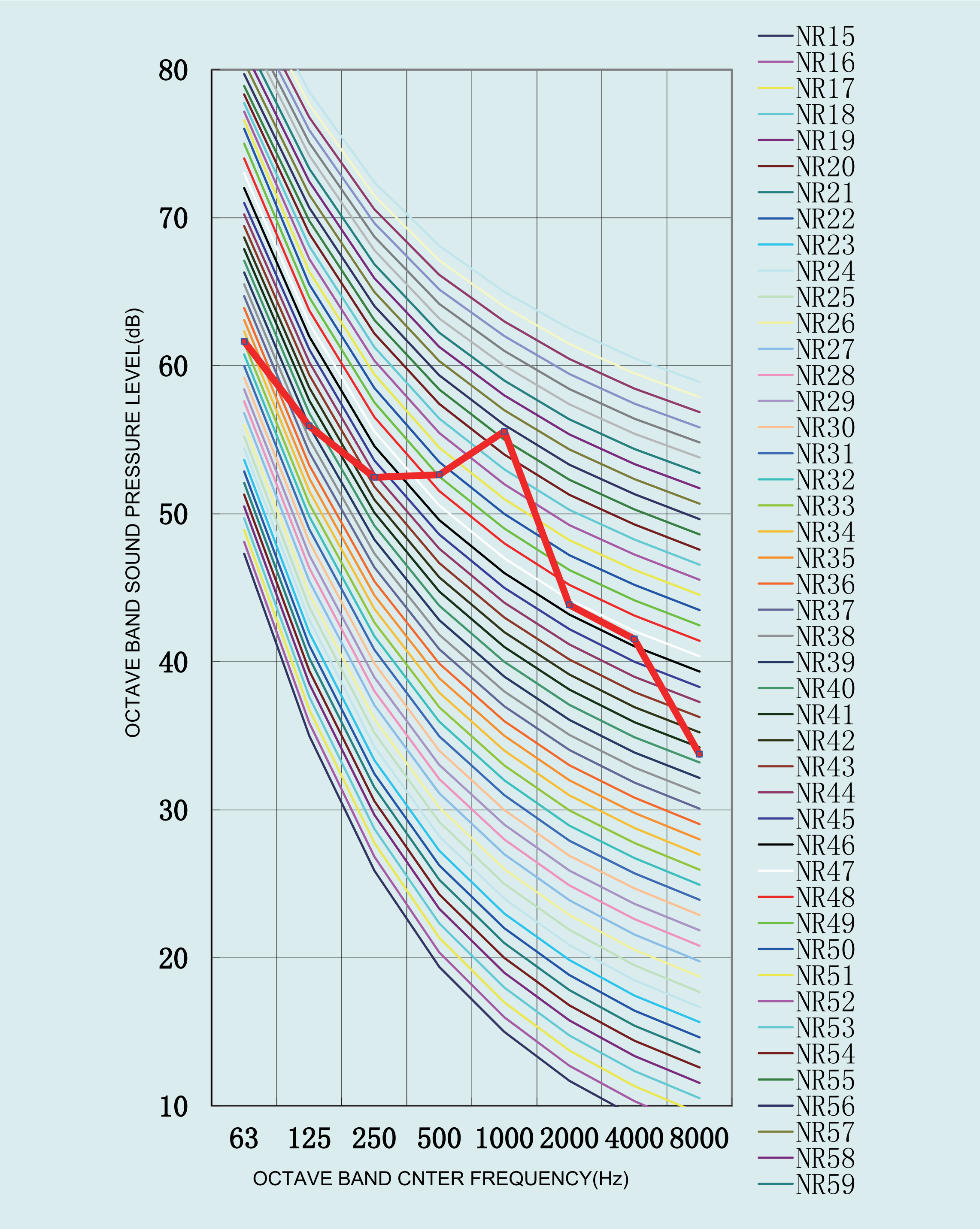
3.dBA =A –weighted sound pressure level (A-scale according to IEC).

4.Noise level curve NR: The International Organization for Standardization (ISO) evaluates the noise level (NR) of the noise spectrum using a single value on the spectrum method (according to ISO 1996).

GUD100PH/A-T, GUD100PHS/A-T
Cooling



Heating



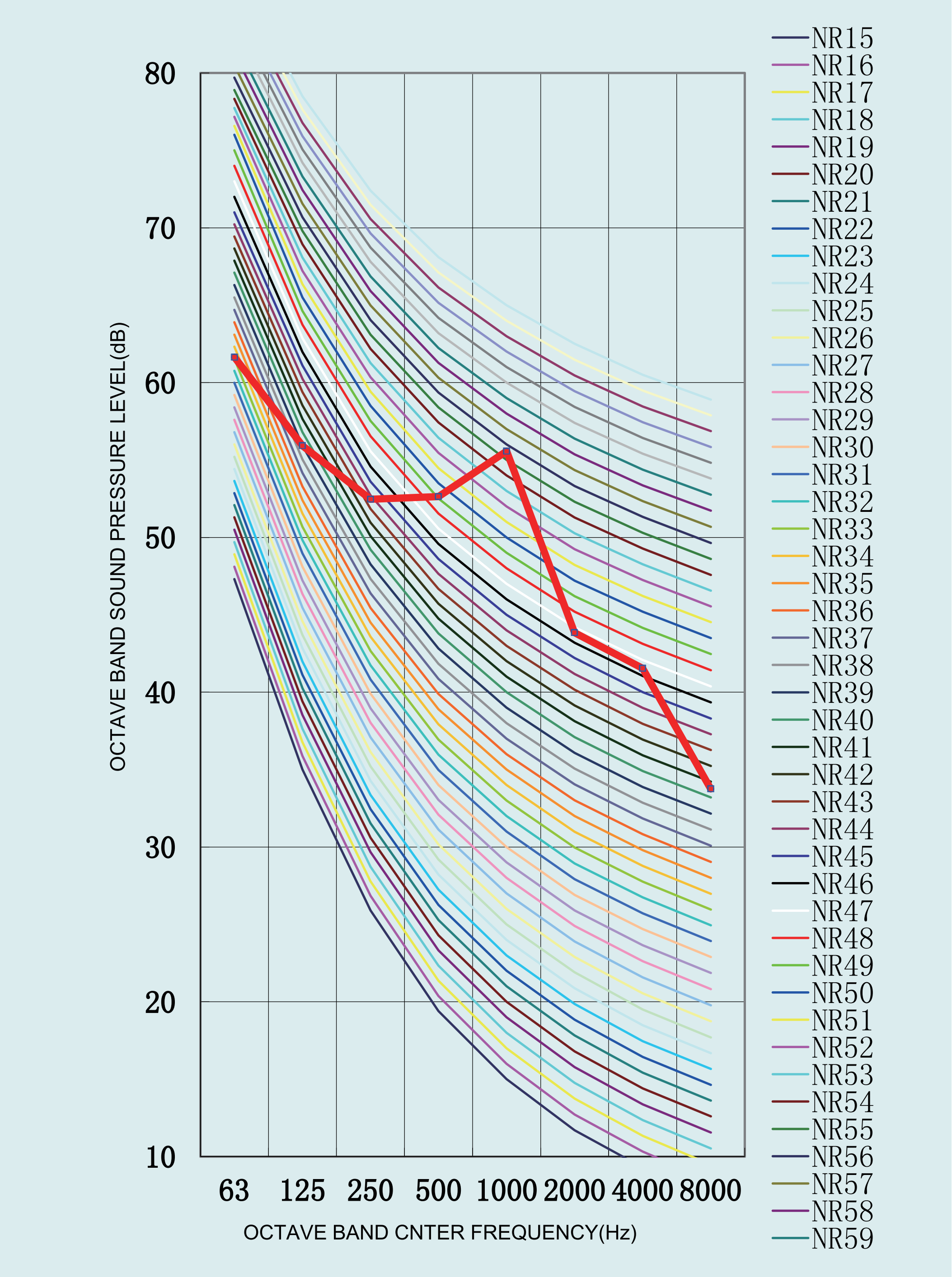
1.Data is valid at field condition.

2.Data is valid at nominal operation condition.

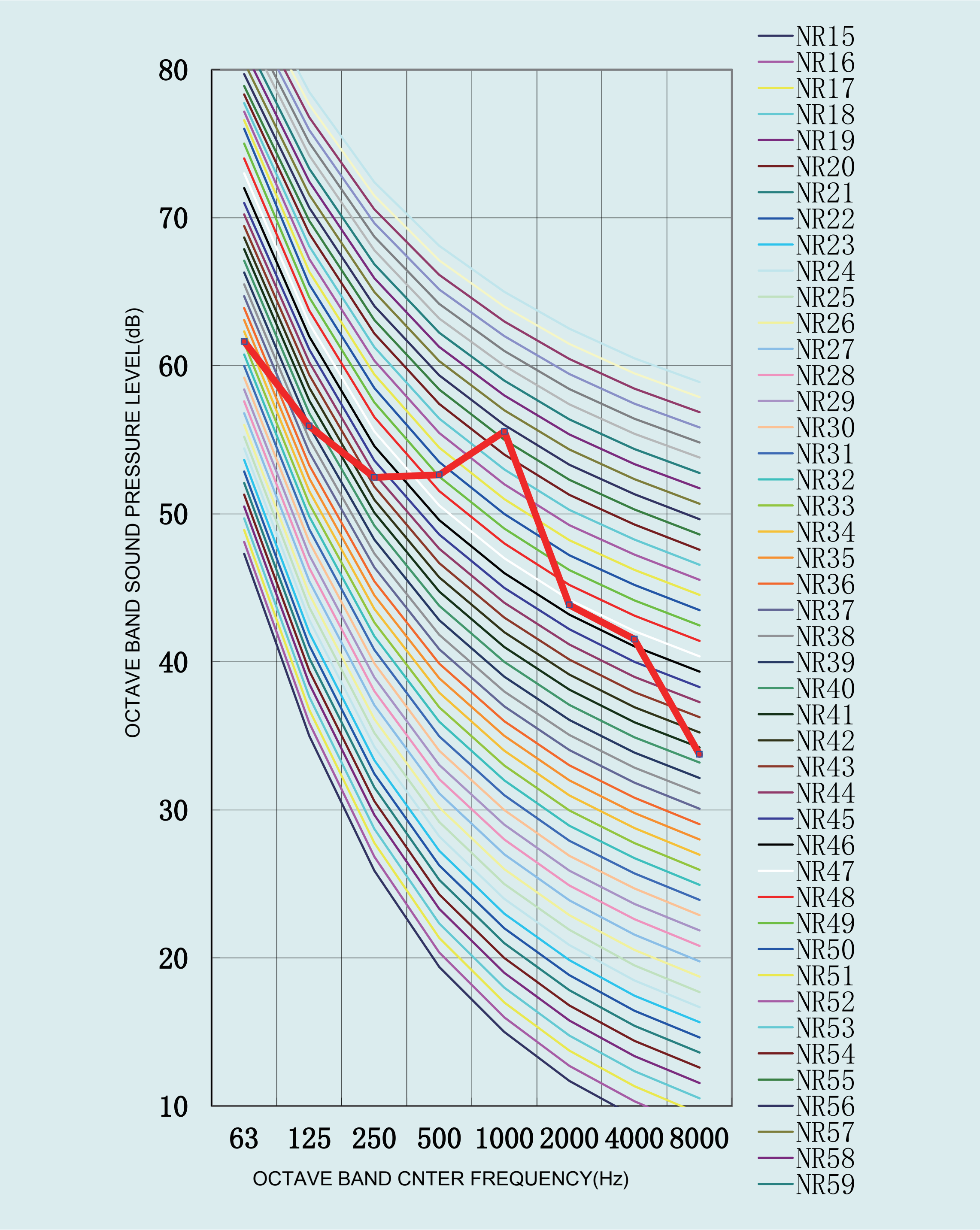
3.dBA =A –weighted sound pressure level (A-scale according to IEC).

4.Noise level curve NR: The International Organization for Standardization (ISO) evaluates the noise level (NR) of the noise spectrum using a single value on the spectrum method (according to ISO 1996).

GUD125PH/A-T, GUD125PHS/A-T
Cooling



Heating



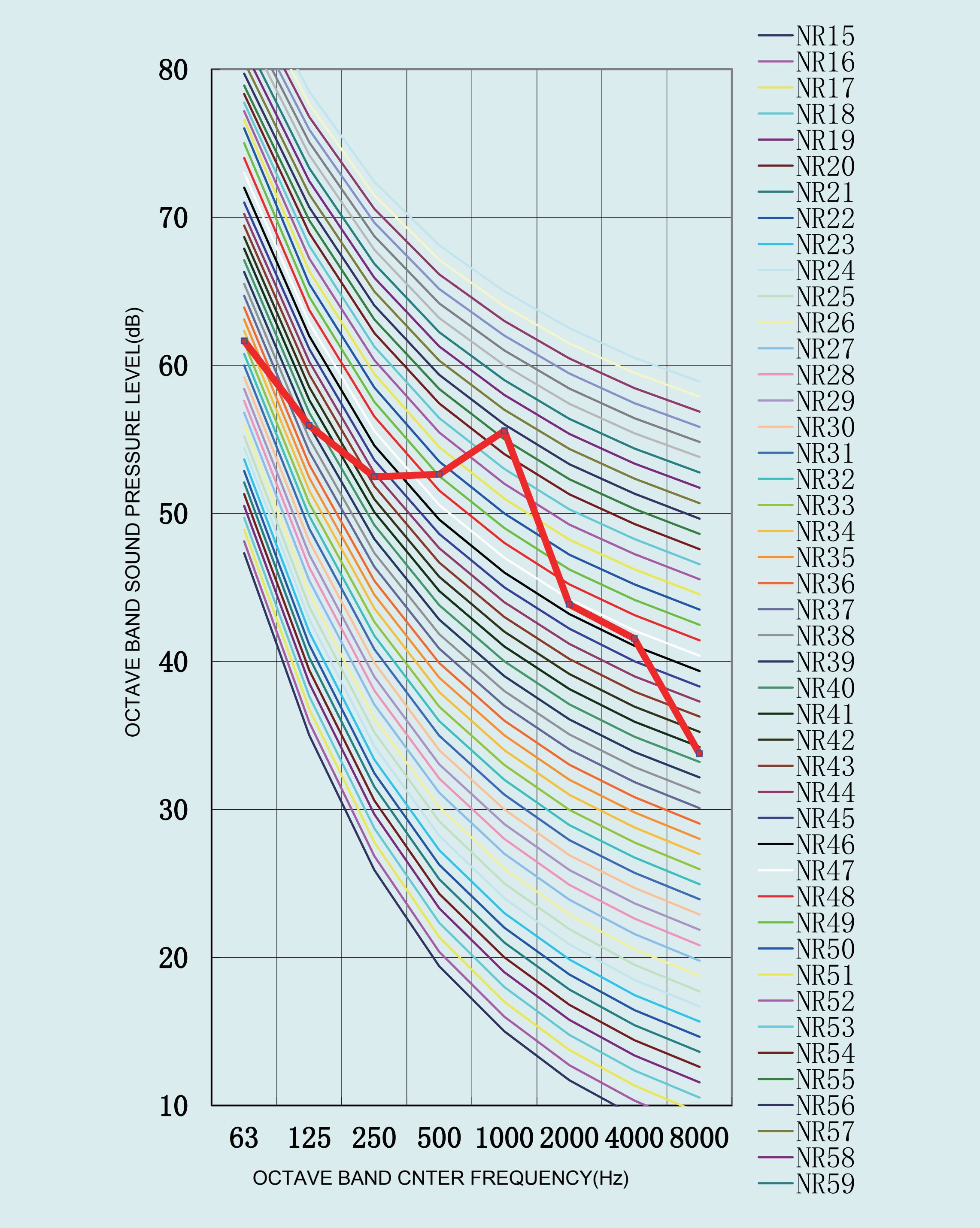
1.Data is valid at field condition.

2.Data is valid at nominal operation condition.

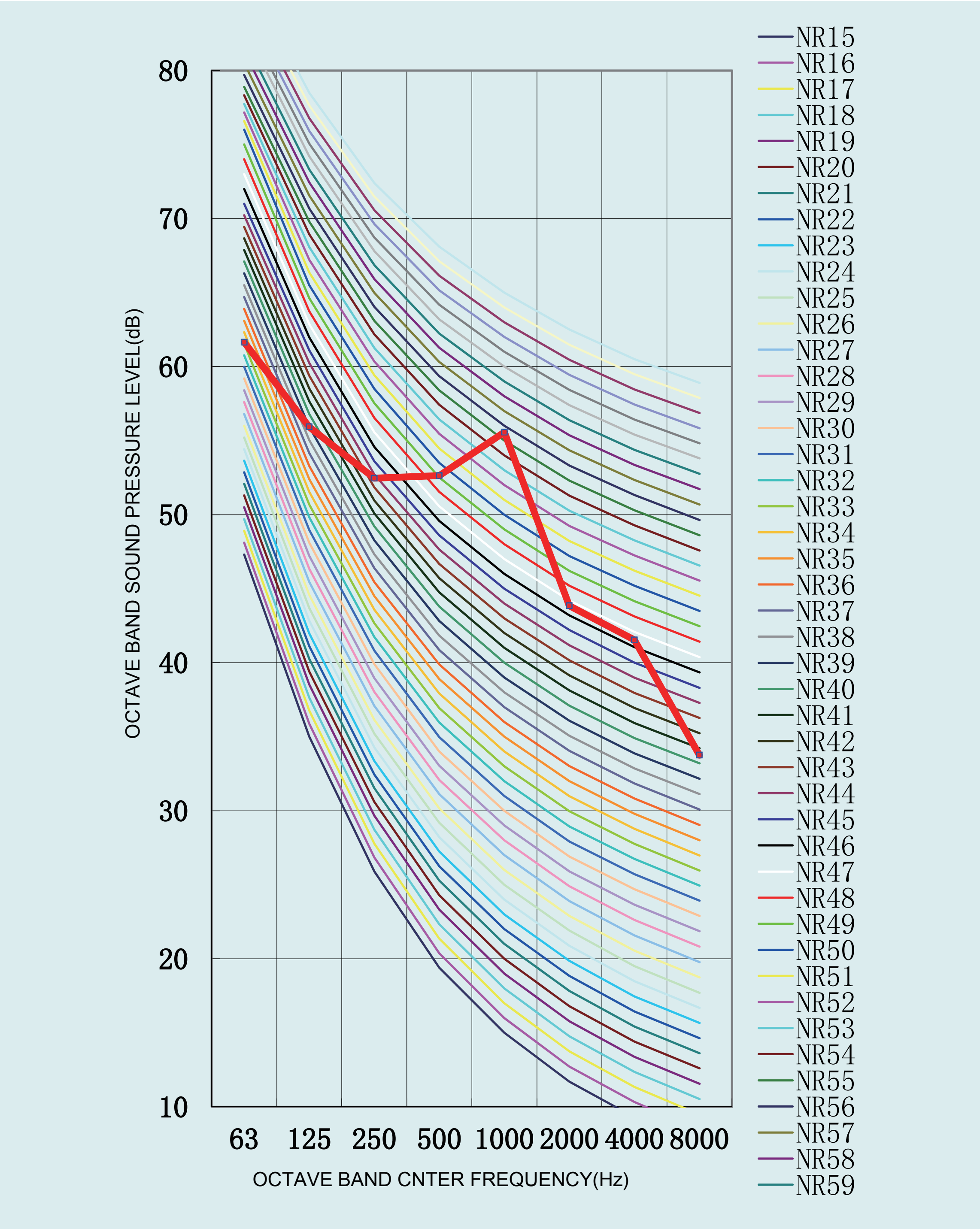
3.dBA =A –weighted sound pressure level (A-scale according to IEC).

4.Noise level curve NR: The International Organization for Standardization (ISO) evaluates the noise level (NR) of the noise spectrum using a single value on the spectrum method (according to ISO 1996).

GUD140PH/A-T, GUD140PHS/A-T
Cooling



Heating



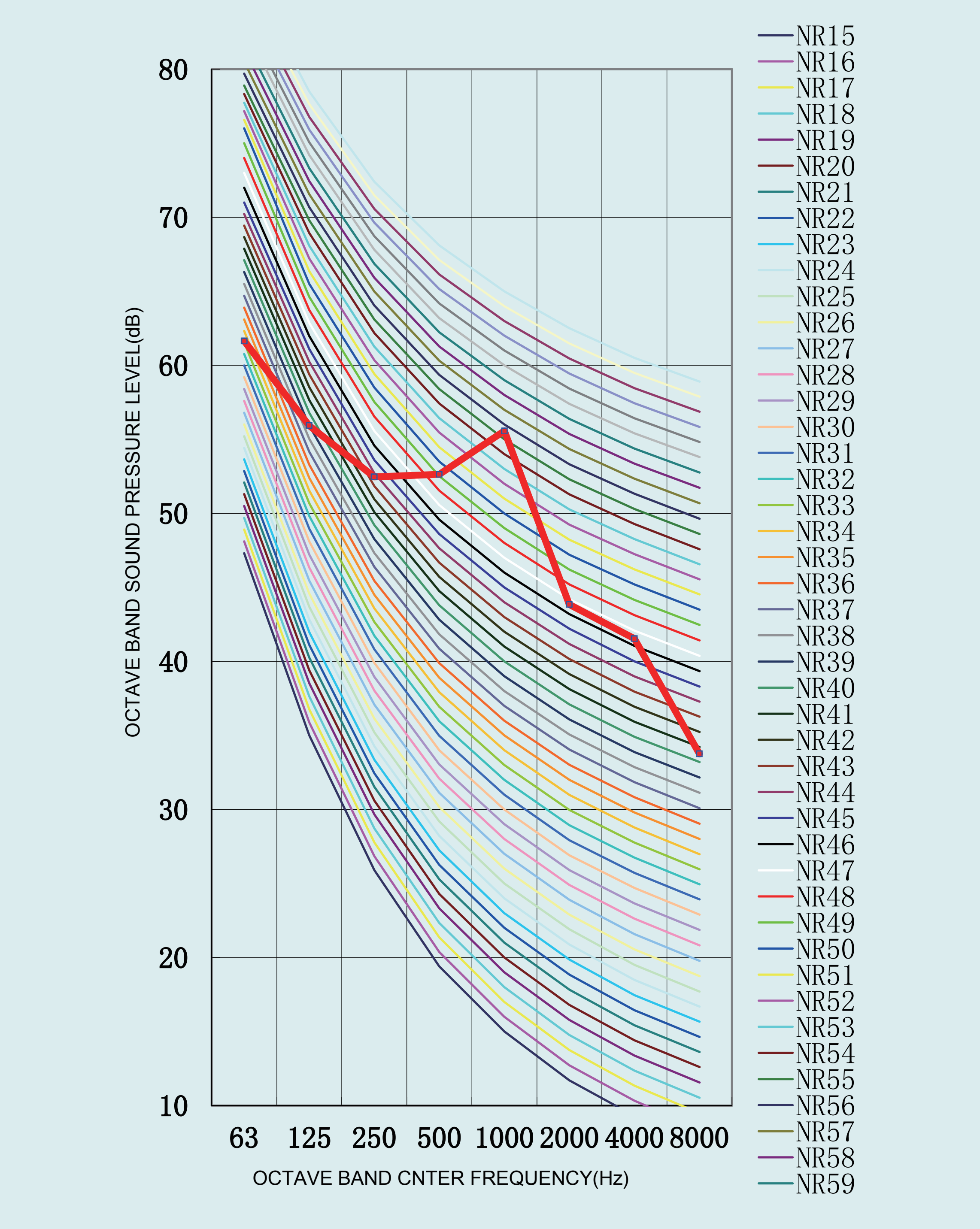
1.Data is valid at field condition.

2.Data is valid at nominal operation condition.

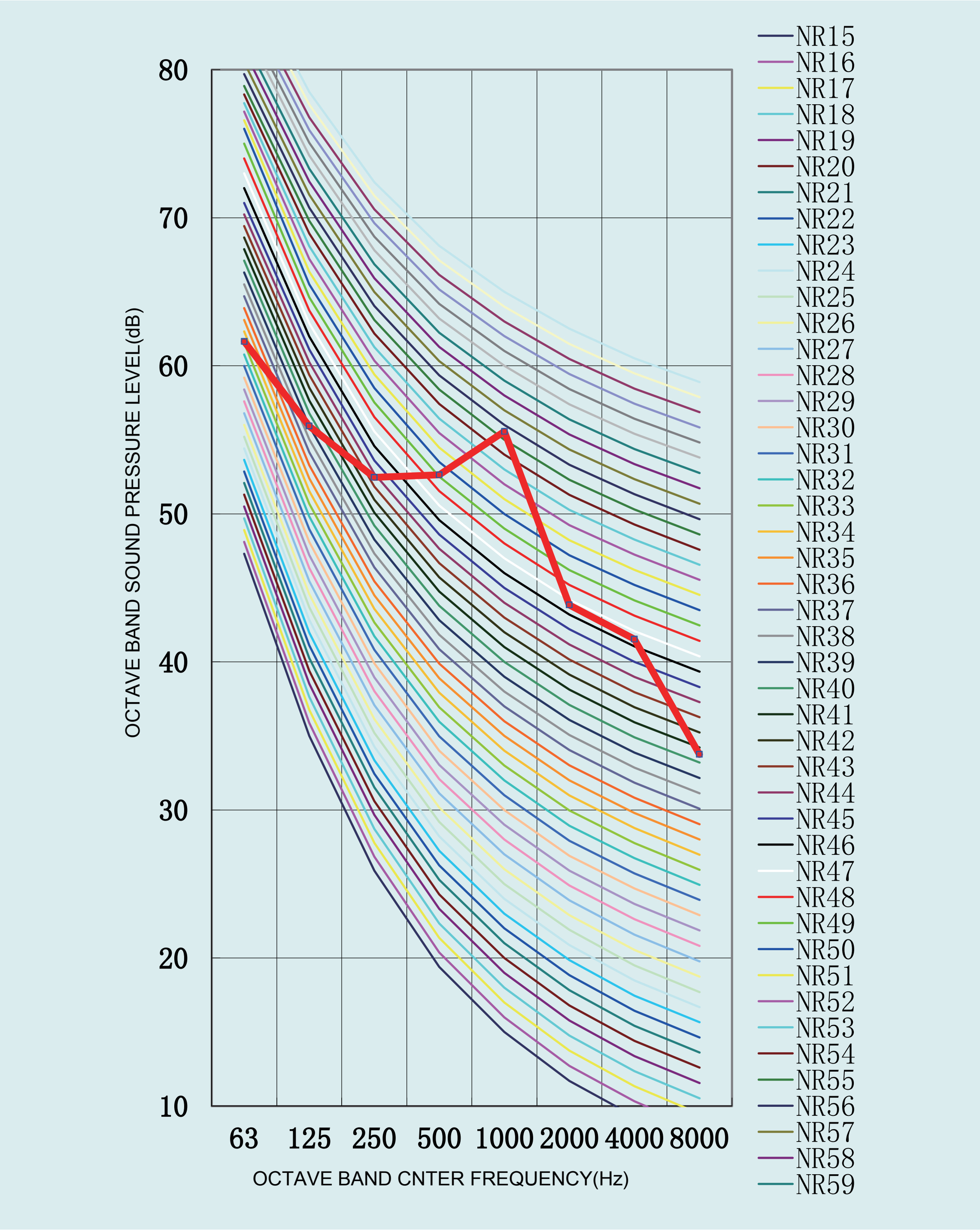
3.dBA =A –weighted sound pressure level (A-scale according to IEC).

4.Noise level curve NR: The International Organization for Standardization (ISO) evaluates the noise level (NR) of the noise spectrum using a single value on the spectrum method (according to ISO 1996).

GUD160PH/A-T, GUD160PHS/A-T
Cooling



Heating



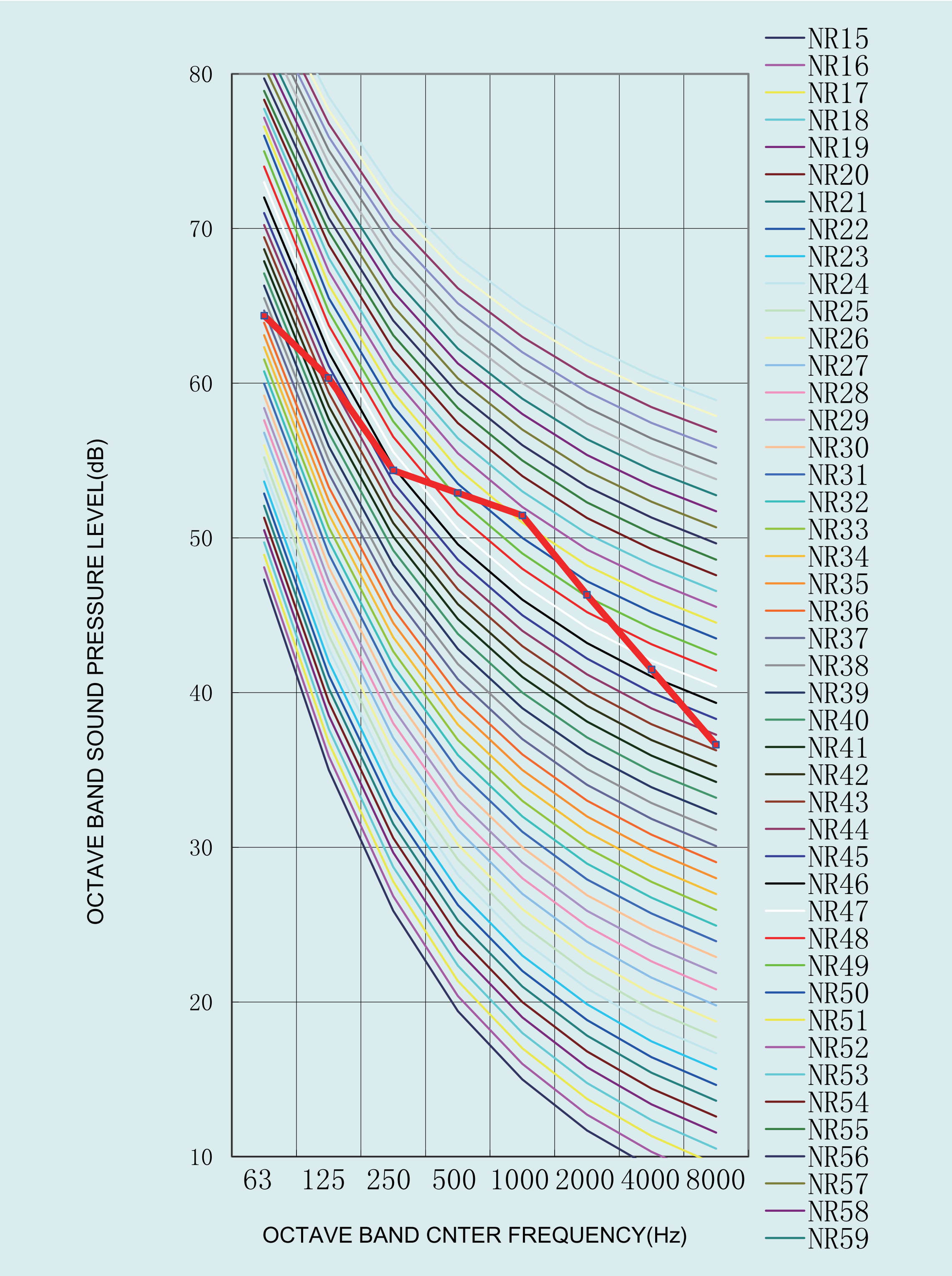
1.Data is valid at field condition.

2.Data is valid at nominal operation condition.

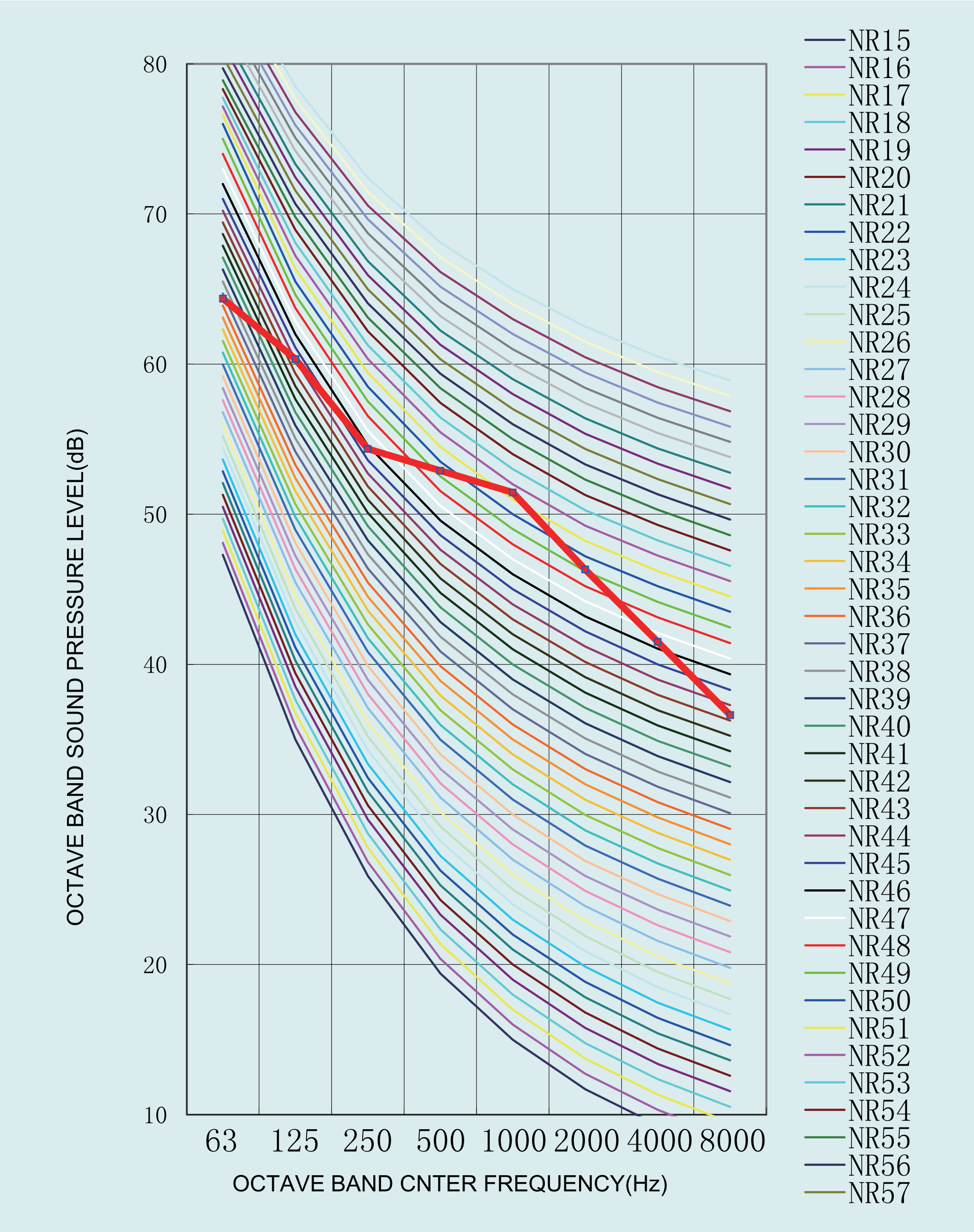
3.dBA =A –weighted sound pressure level (A-scale according to IEC).

4.Noise level curve NR: The International Organization for Standardization (ISO) evaluates the noise level (NR) of the noise spectrum using a single value on the spectrum method (according to ISO 1996).

GUD35ZD/A-T
Cooling



Heating



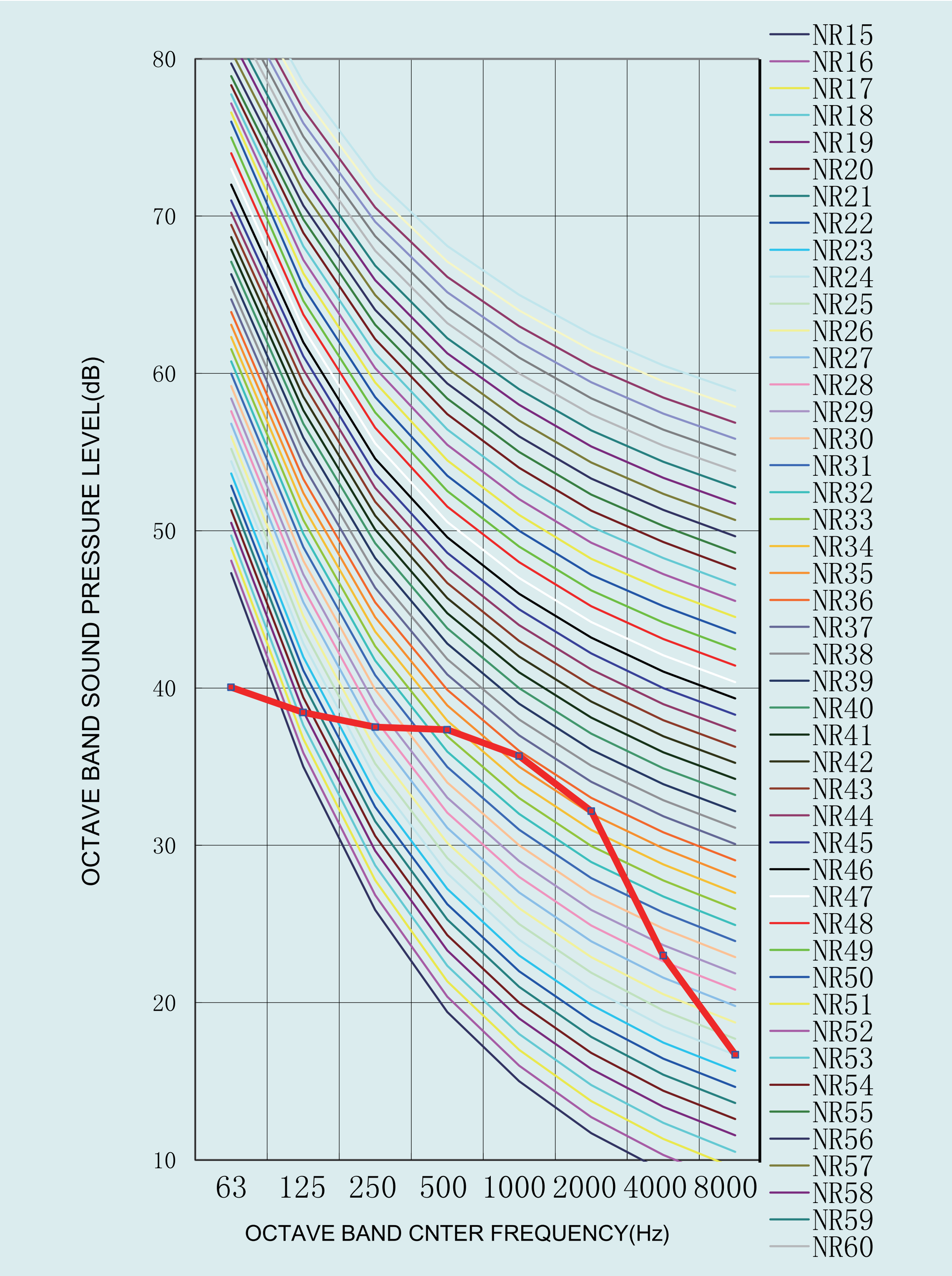
1.Data is valid at field condition.

2.Data is valid at nominal operation condition.

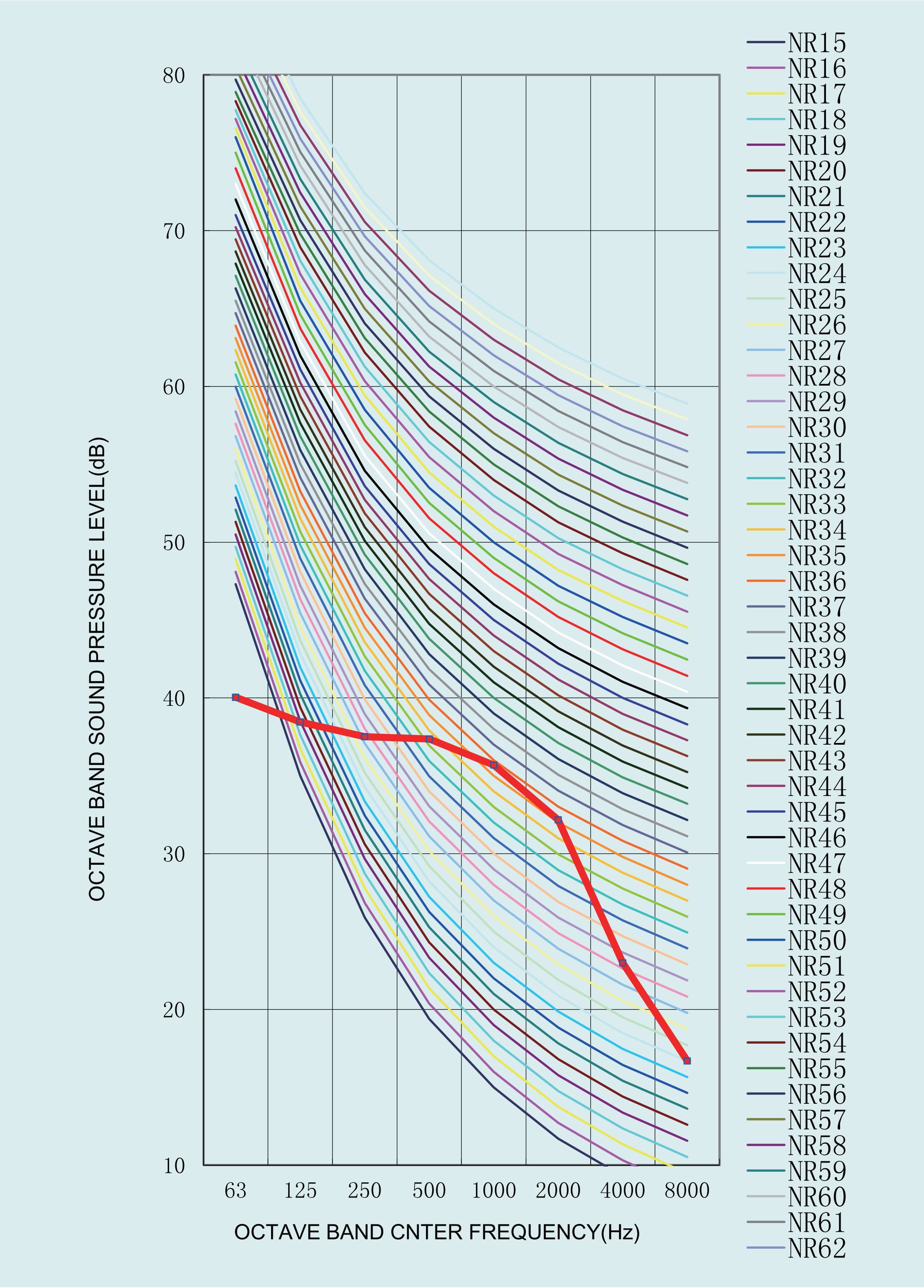
3.dBA =A –weighted sound pressure level (A-scale according to IEC).

4.Noise level curve NR: The International Organization for Standardization (ISO) evaluates the noise level (NR) of the noise spectrum using a single value on the spectrum method (according to ISO 1996).

GUD50ZD/A-T
Cooling



Heating



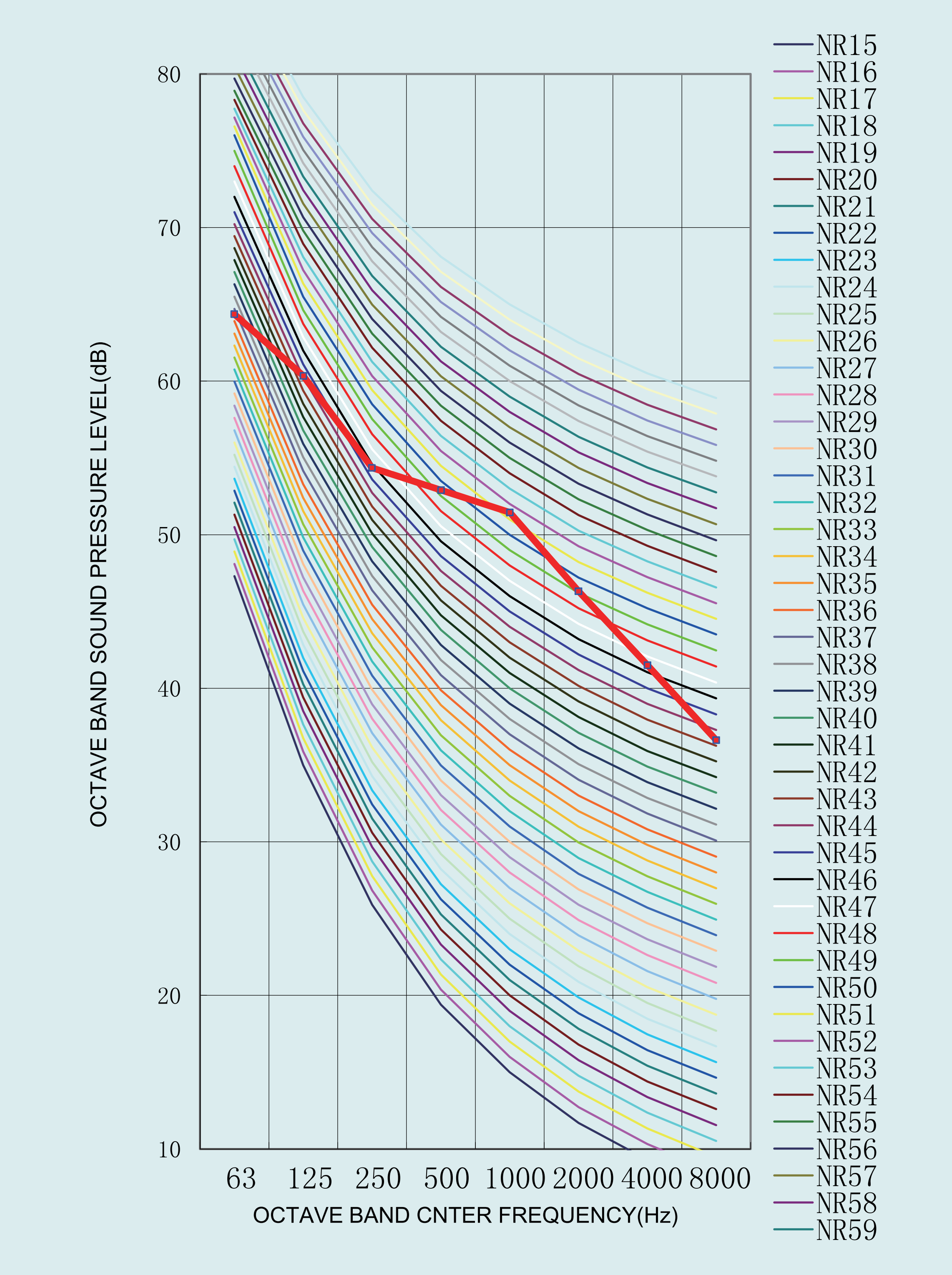
1.Data is valid at field condition.

2.Data is valid at nominal operation condition.

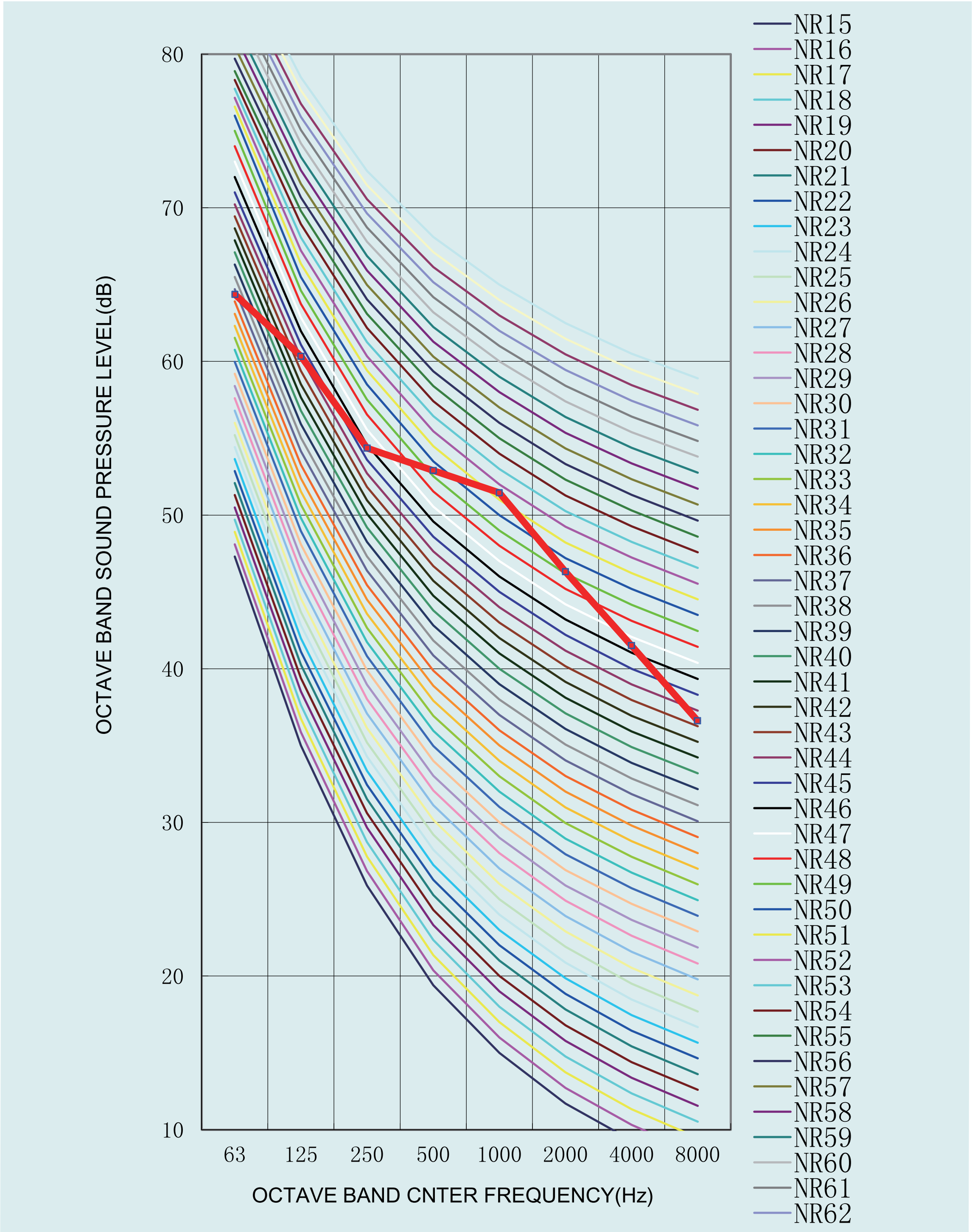
3.dBA =A –weighted sound pressure level (A-scale according to IEC).

4.Noise level curve NR: The International Organization for Standardization (ISO) evaluates the noise level (NR) of the noise spectrum using a single value on the spectrum method (according to ISO 1996).

GUD71ZD/A-T
Cooling



Heating



1.Data is valid at field condition.

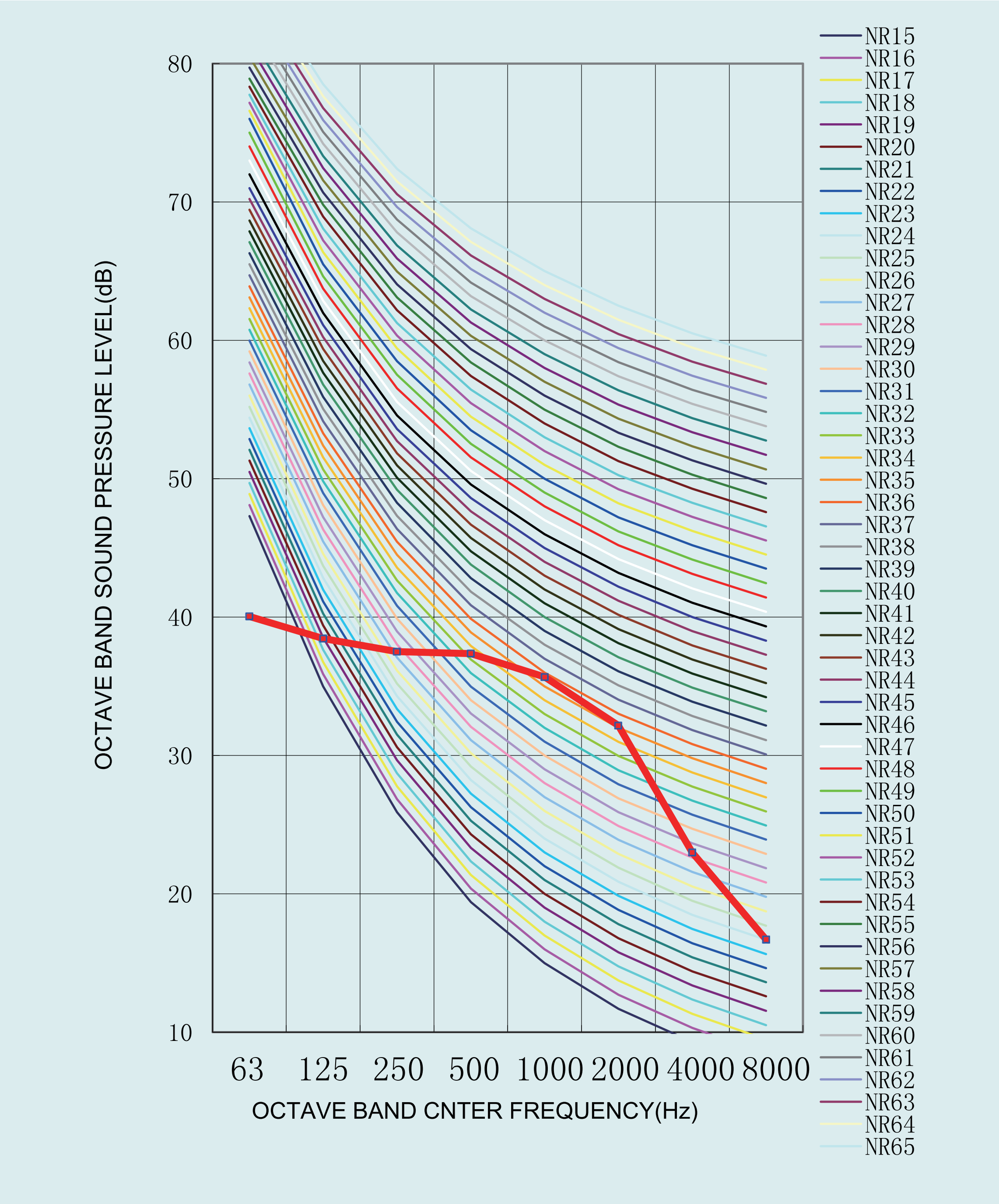
2.Data is valid at nominal operation condition.

3.dBA =A –weighted sound pressure level (A-scale according to IEC).

4.Noise level curve NR: The International Organization for Standardization (ISO) evaluates the noise level (NR) of the noise spectrum using a single value on the spectrum method (according to ISO 1996).

GUD85ZD/A-T

Cooling


OCTAVE BAND SOUND PRESSURE LEVEL(dB)
80
70
60
50
40
30
20
10
63
125
250
500
1000
2000
4000
8000
OCTAVE BAND CNTER FREQUENCY(Hz)
NR15
NR16
NR17
NR18
NR19
NR20
NR21
NR22
NR23
NR24
NR25
NR26
NR27
NR28
NR29
NR30
NR31
NR32
NR33
NR34
NR35
NR36
NR37
NR38
NR39
NR40
NR41
NR42
NR43
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NR45
NR46
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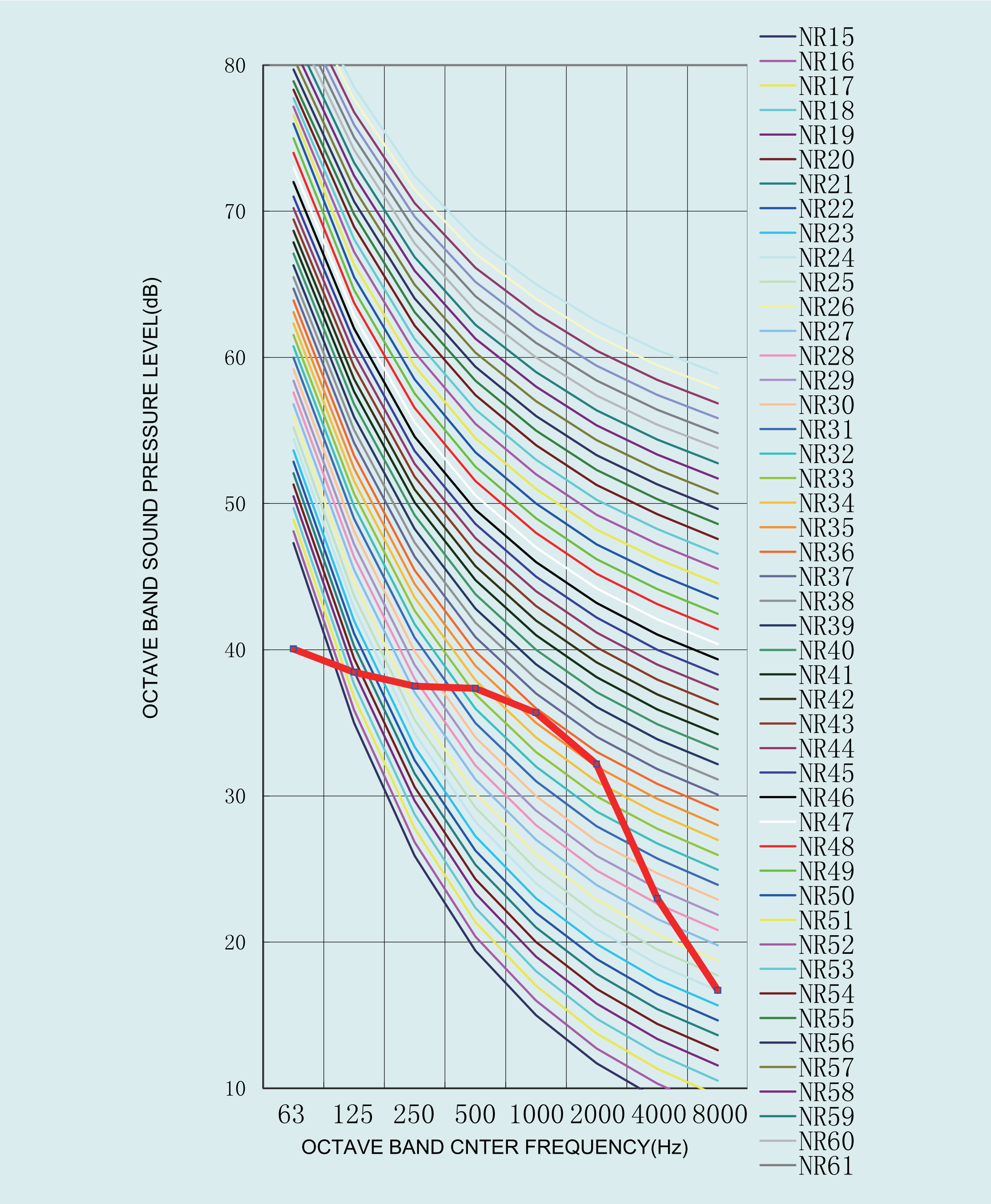
NR48
NR49
NR50
NR51
NR52
NR53
NR54
NR55
NR56
NR57
NR58
NR59
NR60
NR61
NR62
NR63
NR64
NR65

Heating



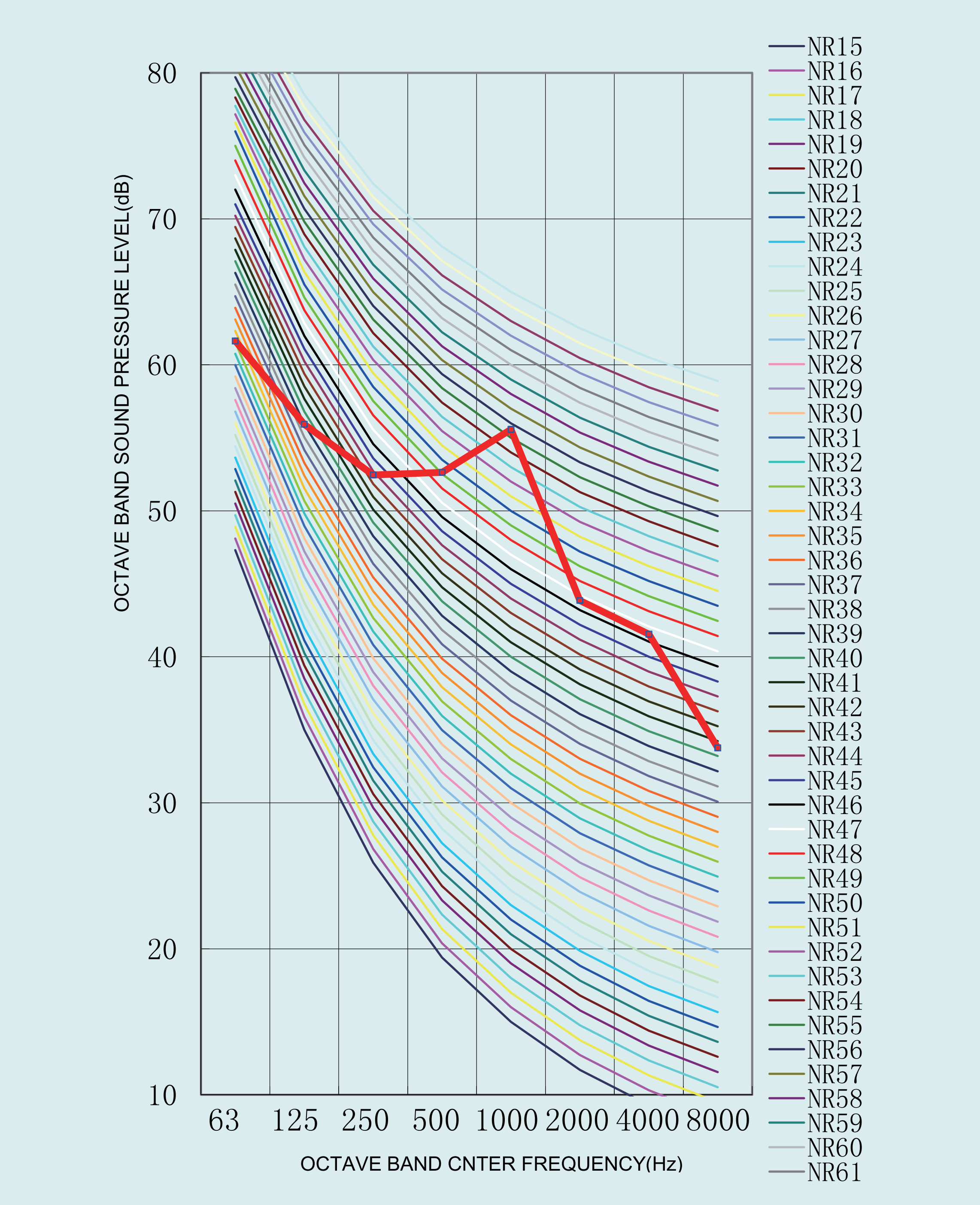
1.Data is valid at field condition.

2.Data is valid at nominal operation condition.

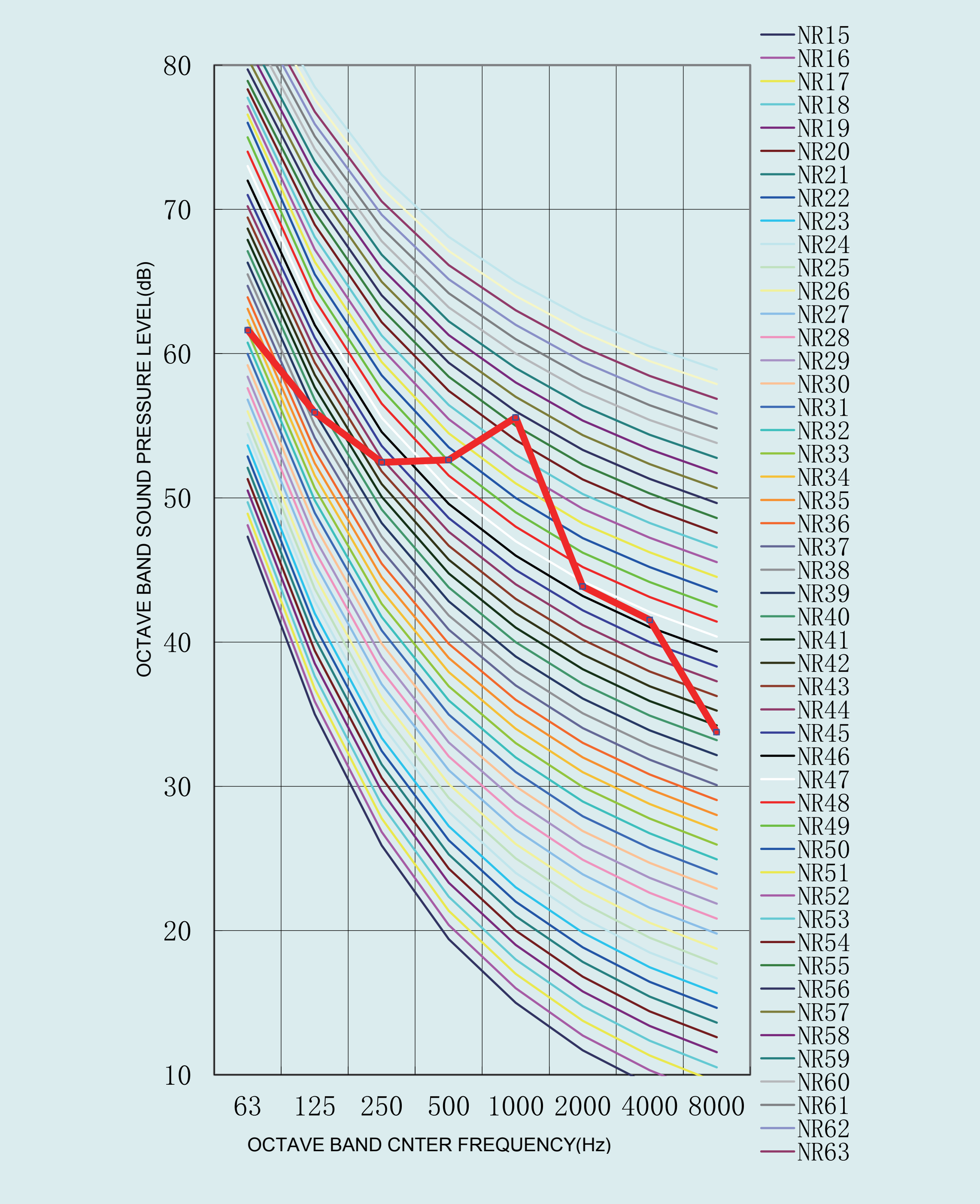
3.dBA =A –weighted sound pressure level (A-scale according to IEC).

4.Noise level curve NR: The International Organization for Standardization (ISO) evaluates the noise level (NR) of the noise spectrum using a single value on the spectrum method (according to ISO 1996).

GUD100ZD/A-T
Cooling



Heating



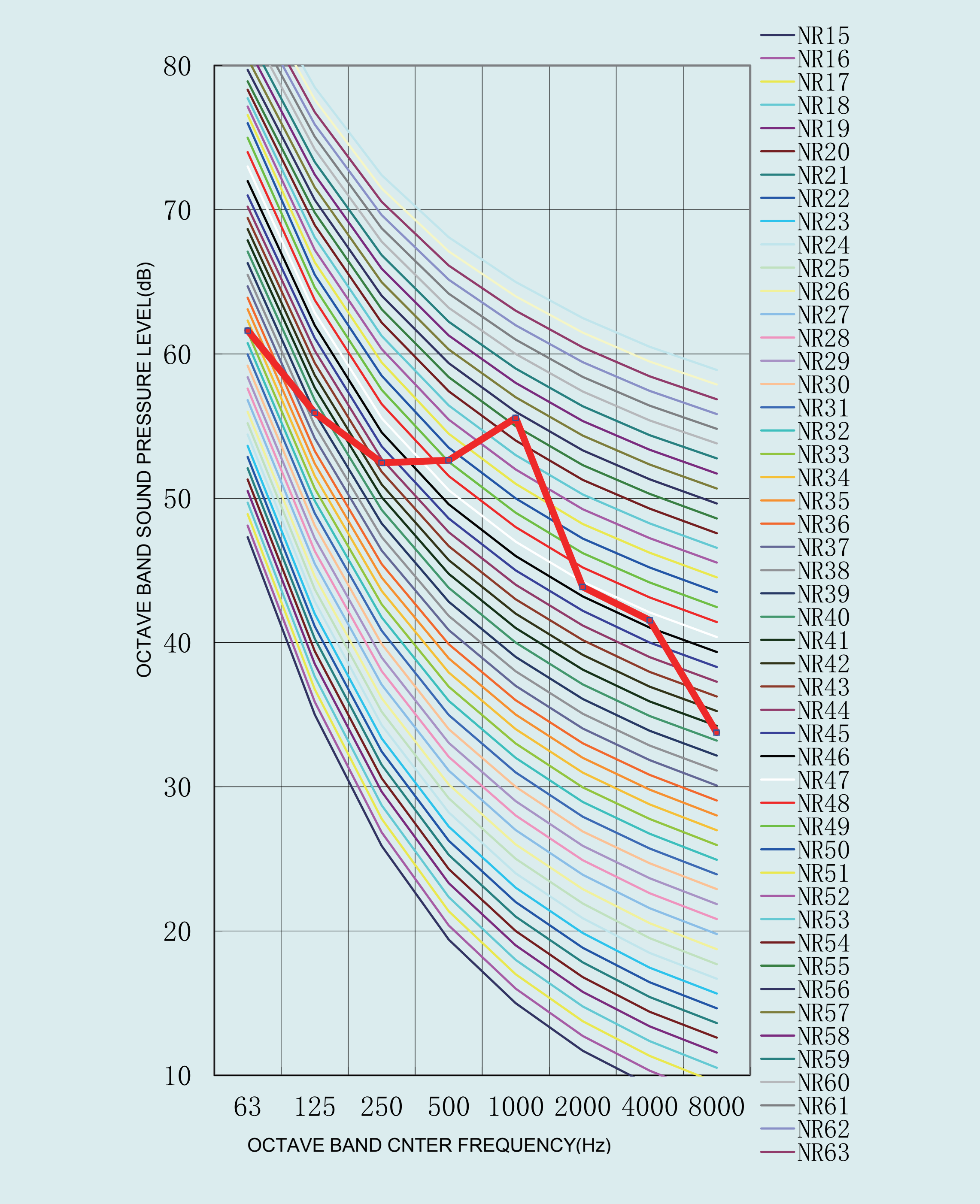
1.Data is valid at field condition.

2.Data is valid at nominal operation condition.

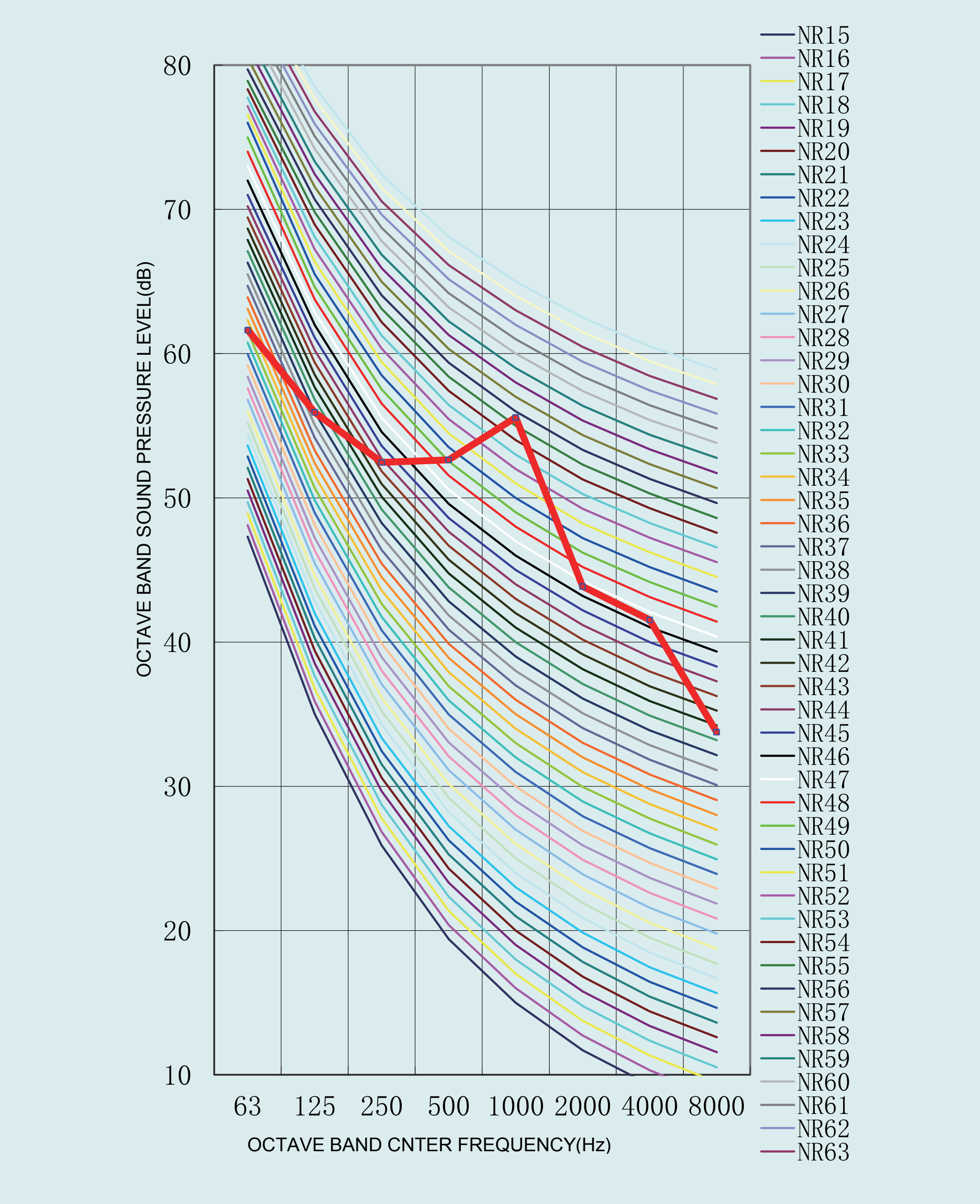
3.dBA =A –weighted sound pressure level (A-scale according to IEC).

4.Noise level curve NR: The International Organization for Standardization (ISO) evaluates the noise level (NR) of the noise spectrum using a single value on the spectrum method (according to ISO 1996).

GUD125ZD/A-T
Cooling



Heating



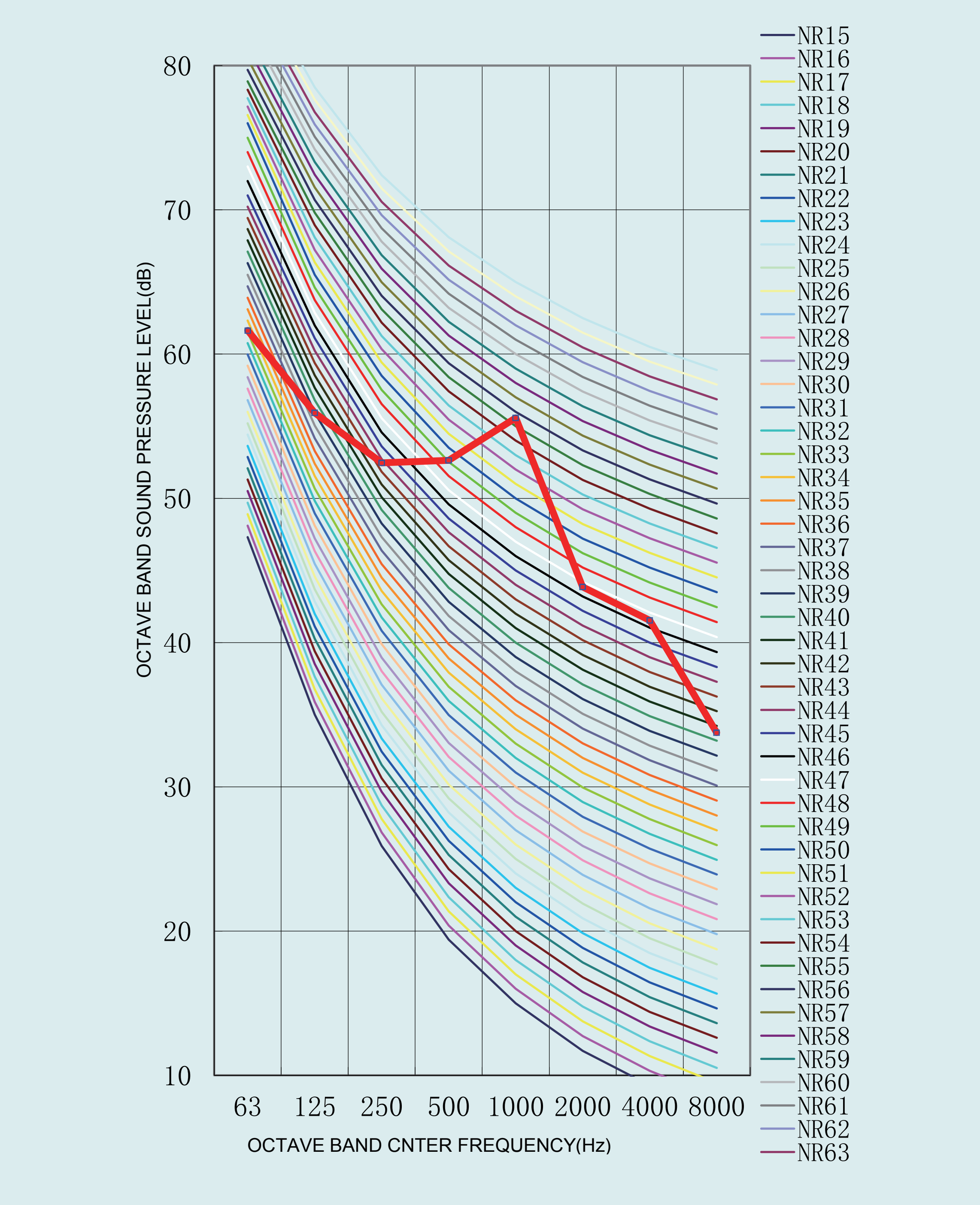
1.Data is valid at field condition.

2.Data is valid at nominal operation condition.

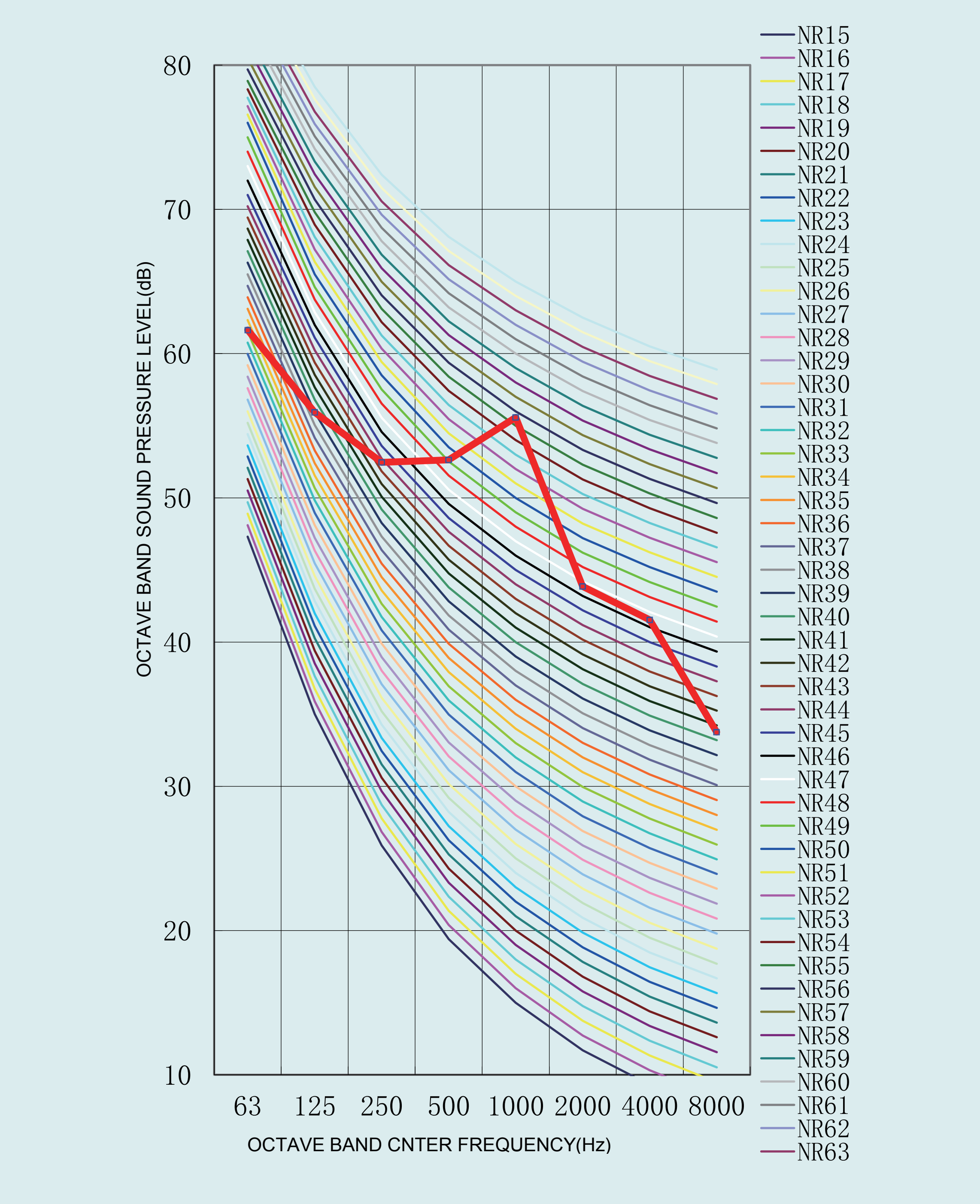
3.dBA =A –weighted sound pressure level (A-scale according to IEC).

4.Noise level curve NR: The International Organization for Standardization (ISO) evaluates the noise level (NR) of the noise spectrum using a single value on the spectrum method (according to ISO 1996).

GUD140ZD/A-T
Cooling



Heating



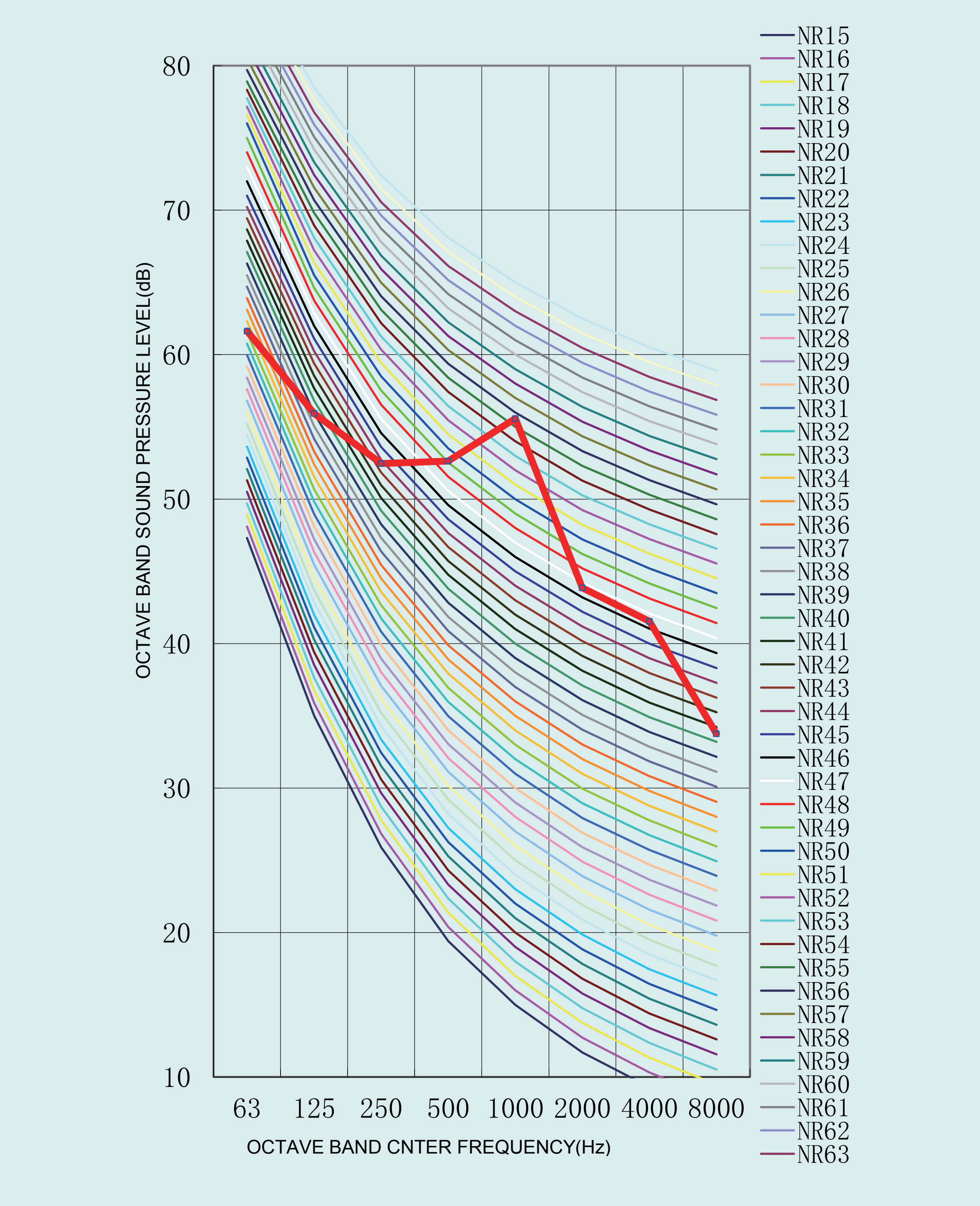
1.Data is valid at field condition.

2.Data is valid at nominal operation condition.

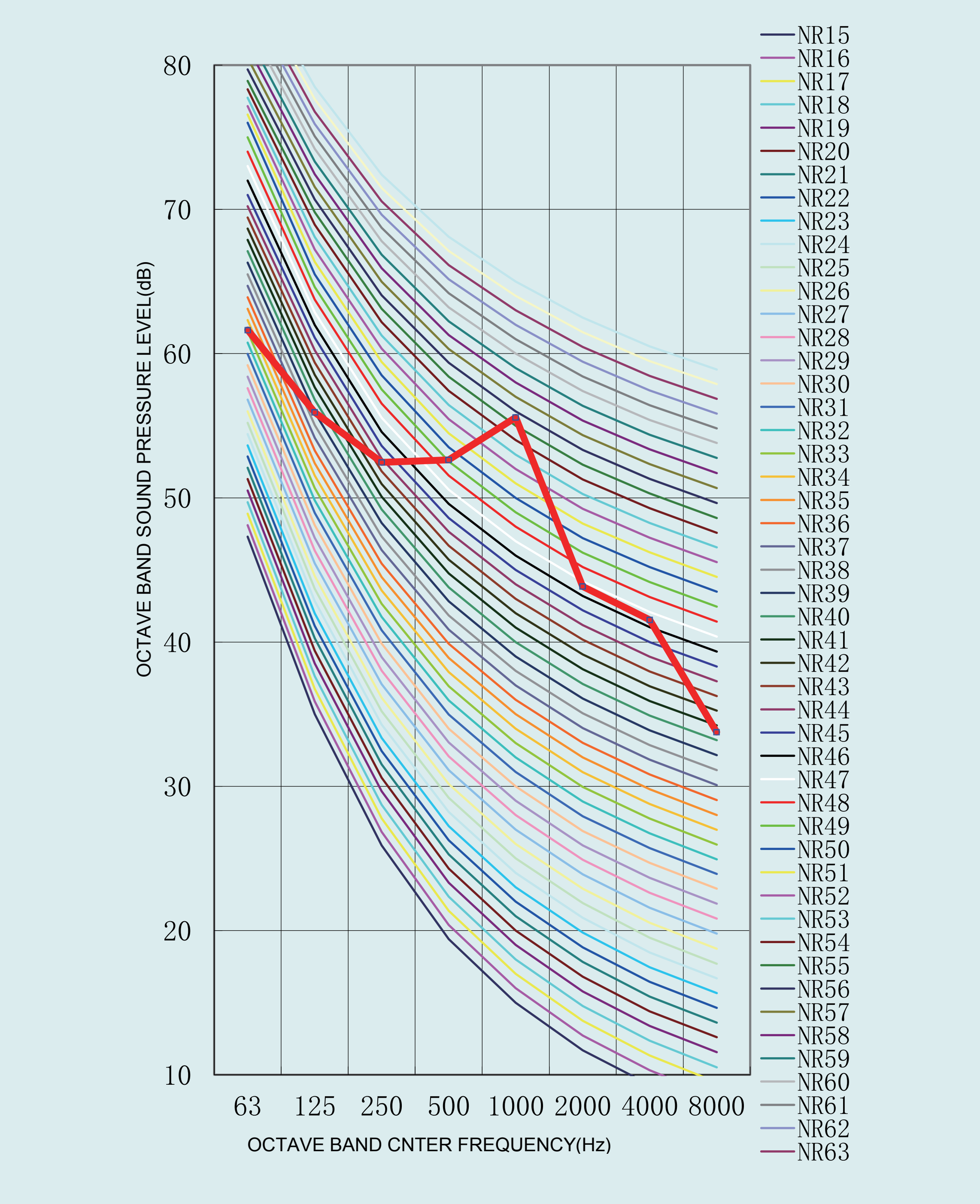
3.dBA =A –weighted sound pressure level (A-scale according to IEC).

4.Noise level curve NR: The International Organization for Standardization (ISO) evaluates the noise level (NR) of the noise spectrum using a single value on the spectrum method (according to ISO 1996).

GUD160ZD/A-T
Cooling



Heating



1.Data is valid at field condition.

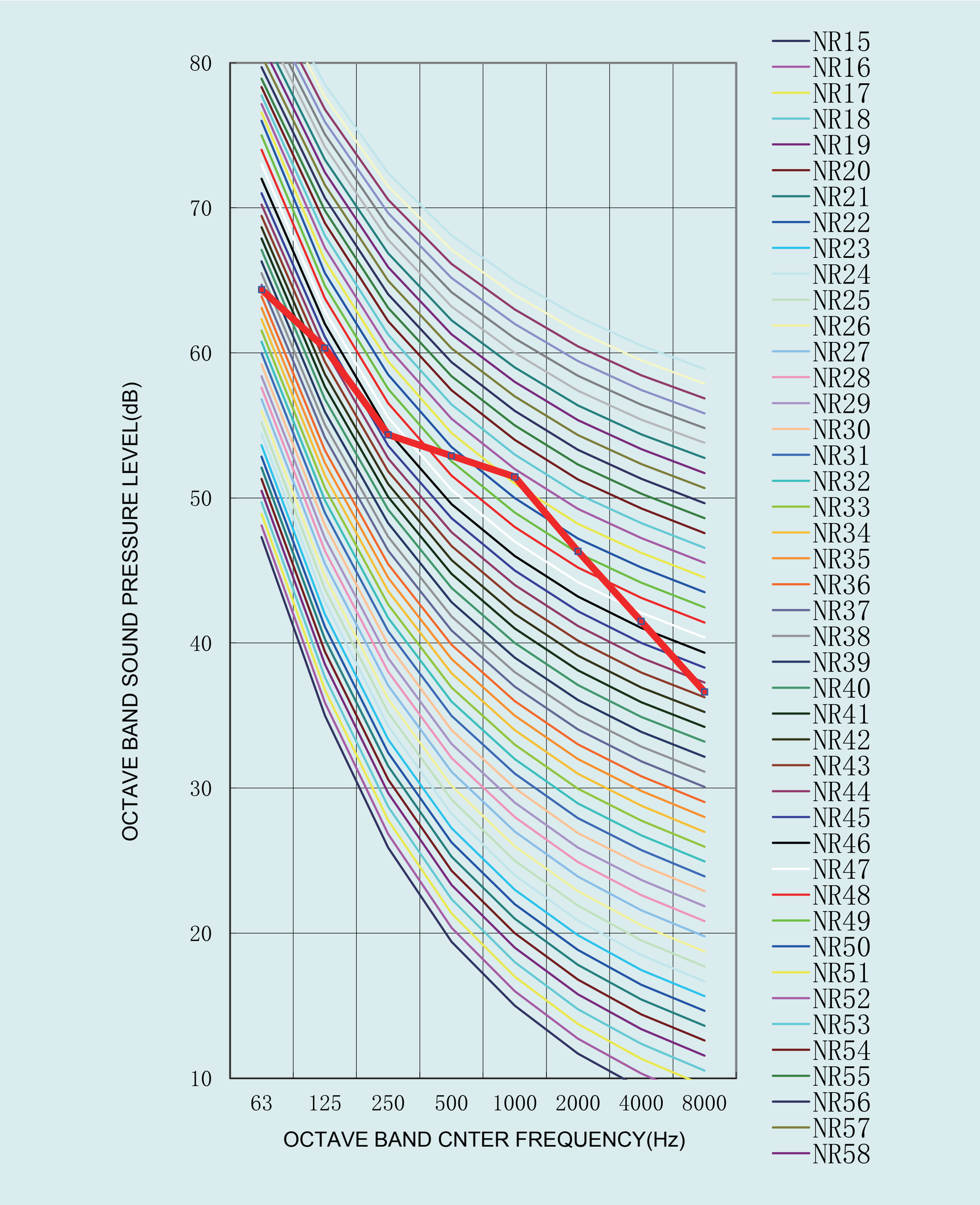
2.Data is valid at nominal operation condition.

3.dBA =A –weighted sound pressure level (A-scale according to IEC).

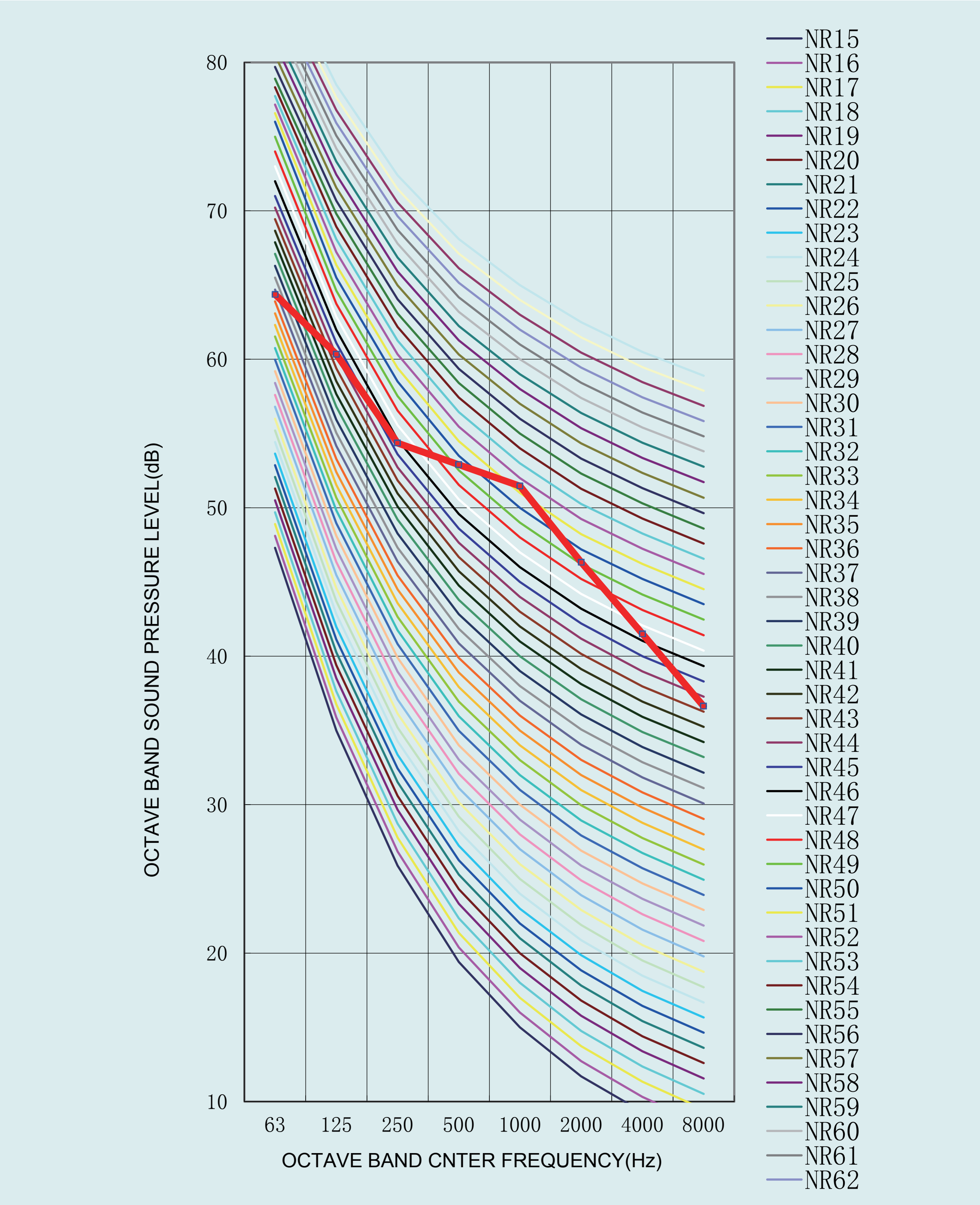
4.Noise level curve NR: The International Organization for Standardization (ISO) evaluates the noise level (NR) of the noise spectrum using a single value on the spectrum method (according to ISO 1996).

9.2.2 Outdoor Unit

GUD35W/NhA-T
Cooling



Heating



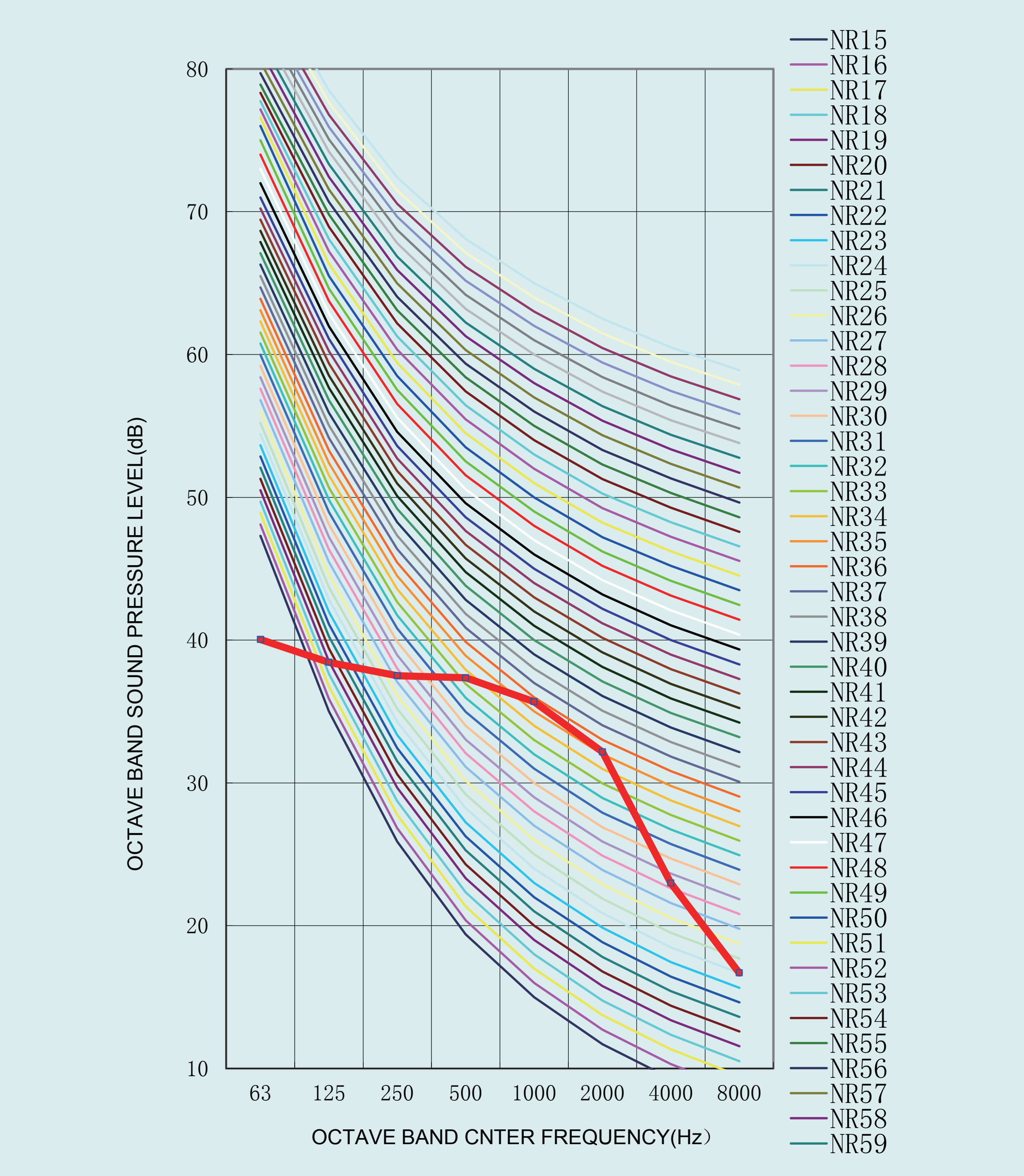
1.Data is valid at field condition.

2.Data is valid at nominal operation condition.

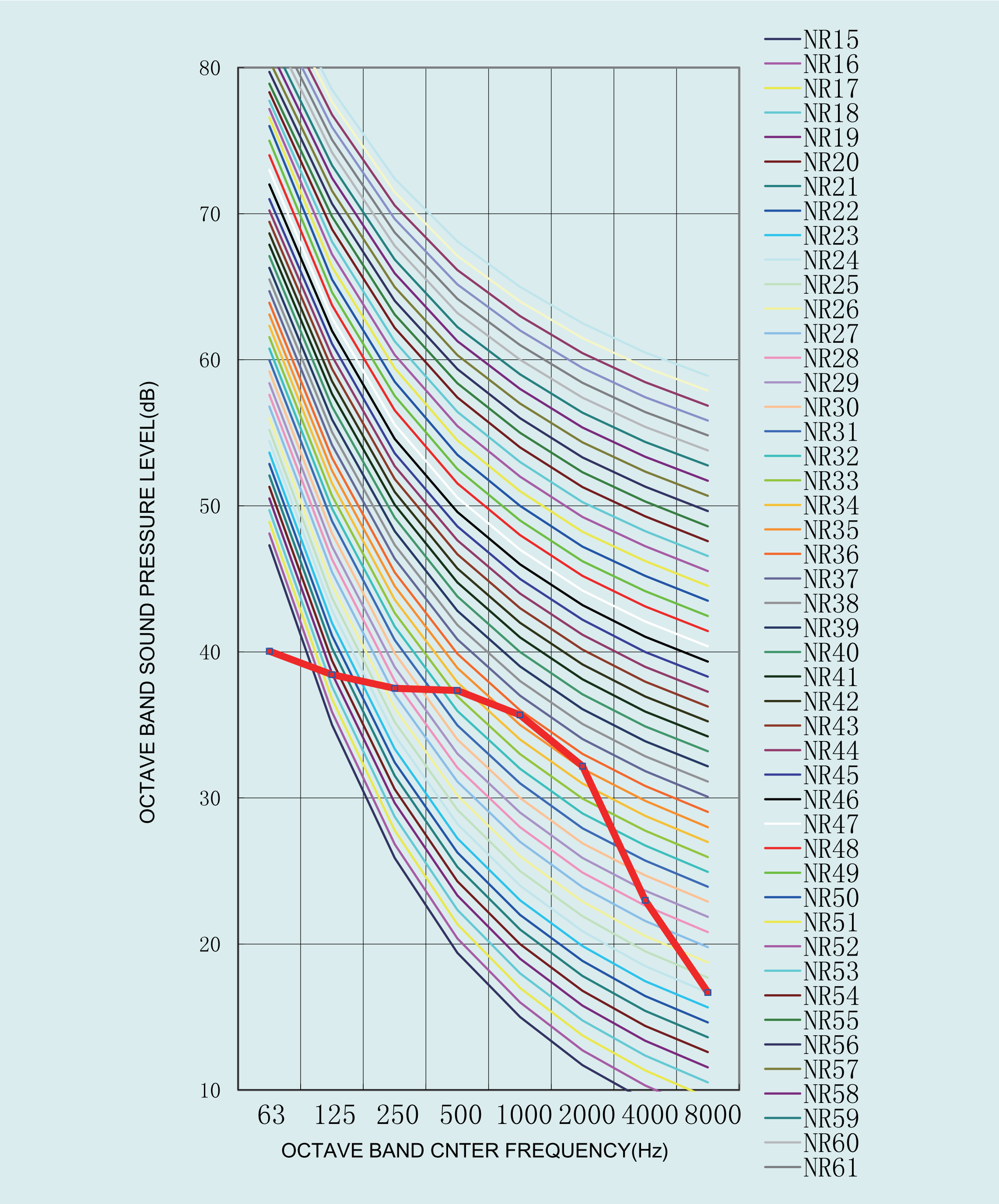
3.dBA =A –weighted sound pressure level (A-scale according to IEC).

4.Noise level curve NR: The International Organization for Standardization (ISO) evaluates the noise level (NR) of the noise spectrum using a single value on the spectrum method (according to ISO 1996).

GUD50W/NhA-T
Cooling



Heating



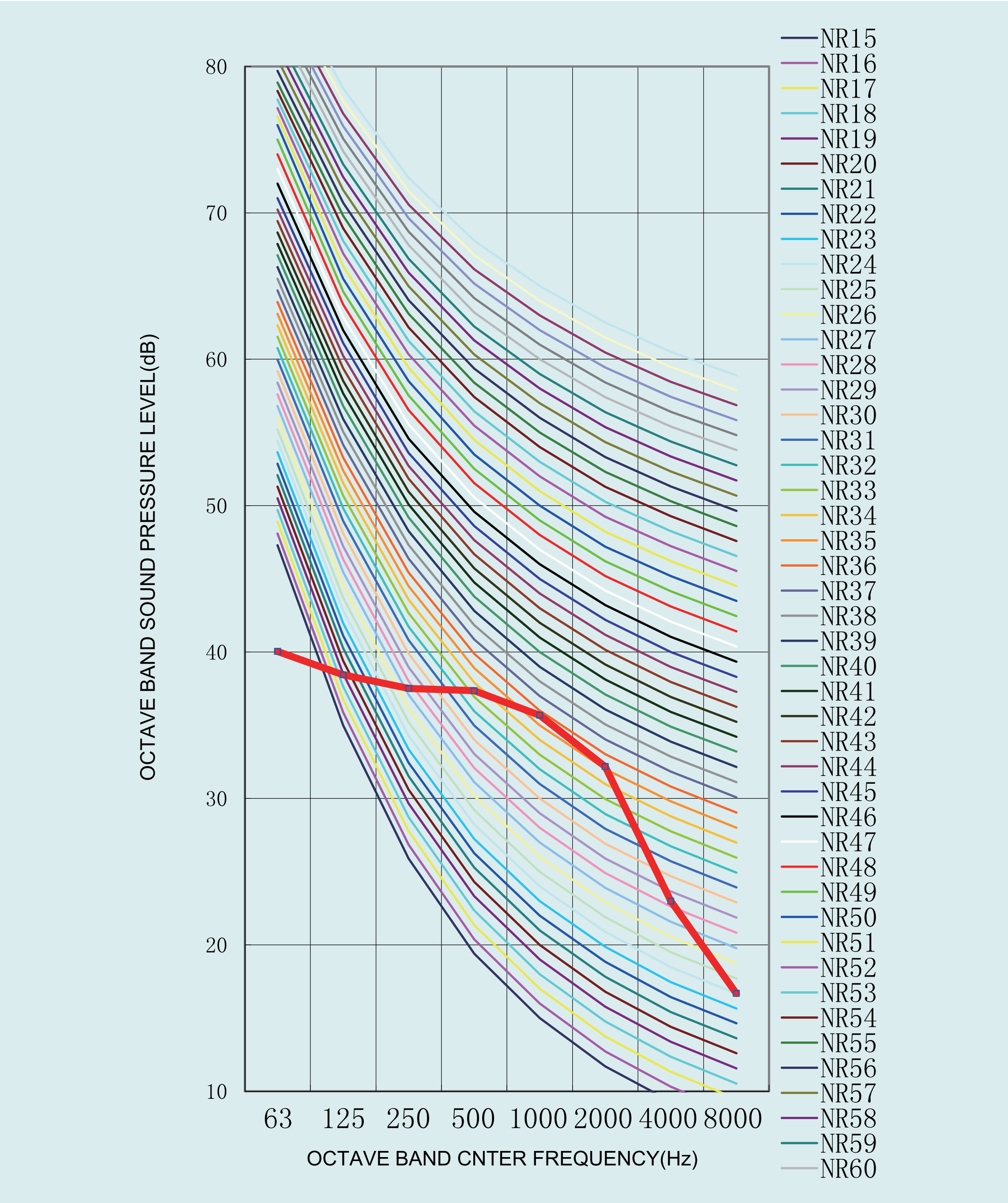
1.Data is valid at field condition.

2.Data is valid at nominal operation condition.

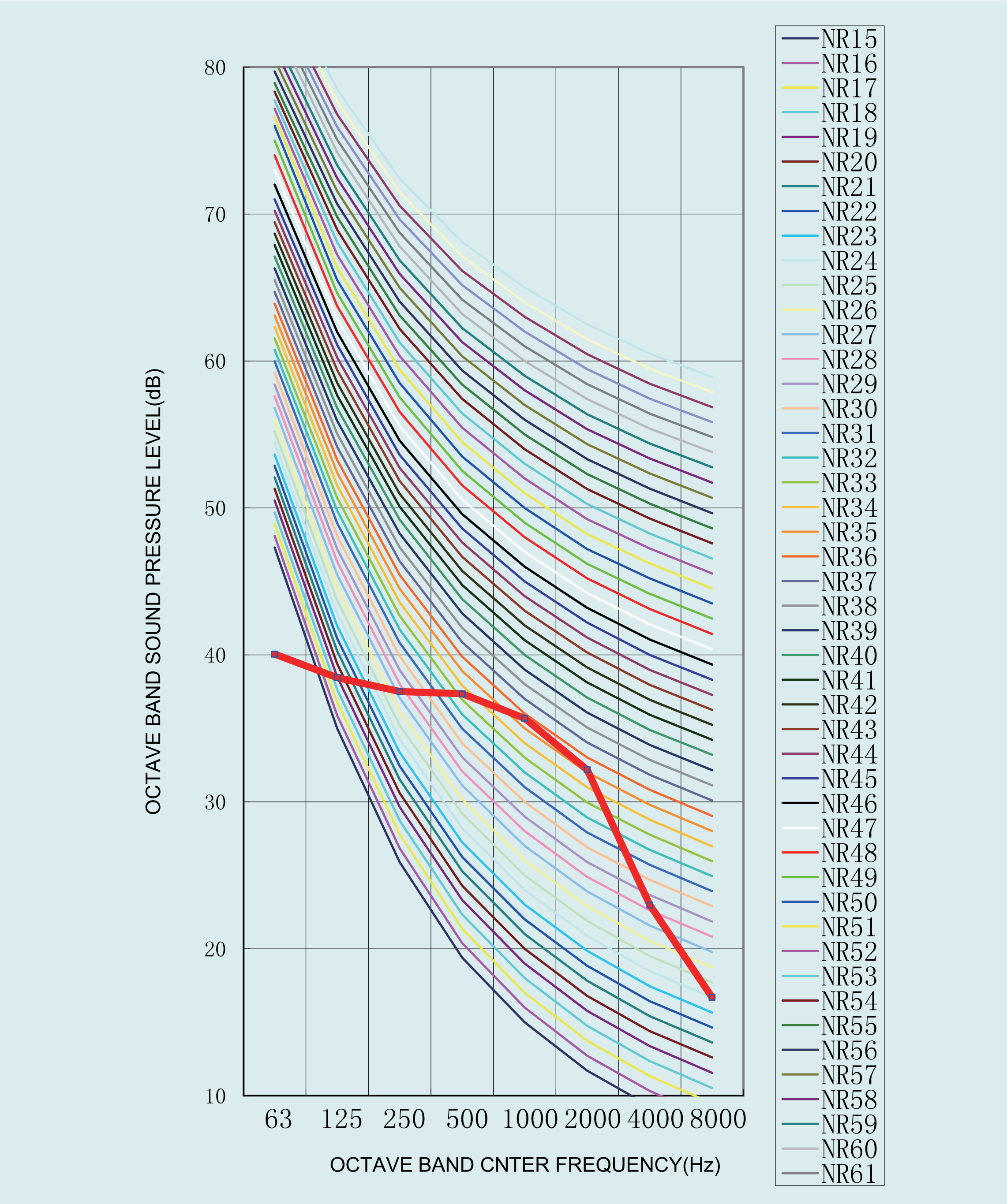
3.dBA =A –weighted sound pressure level (A-scale according to IEC).

4.Noise level curve NR: The International Organization for Standardization (ISO) evaluates the noise level (NR) of the noise spectrum using a single value on the spectrum method (according to ISO 1996).

GUD85W/NhA-T
Cooling



Heating



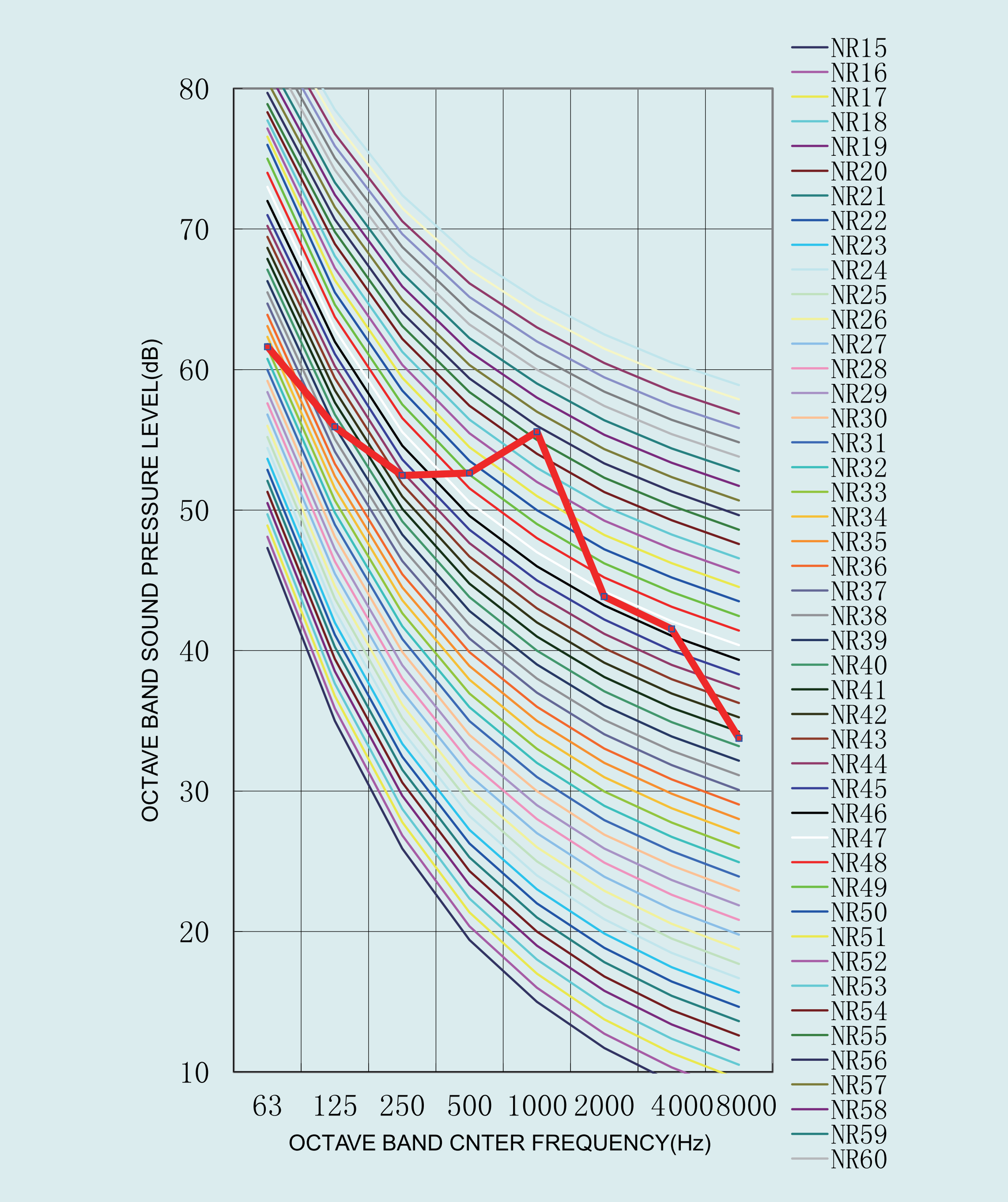
1.Data is valid at field condition.

2.Data is valid at nominal operation condition.

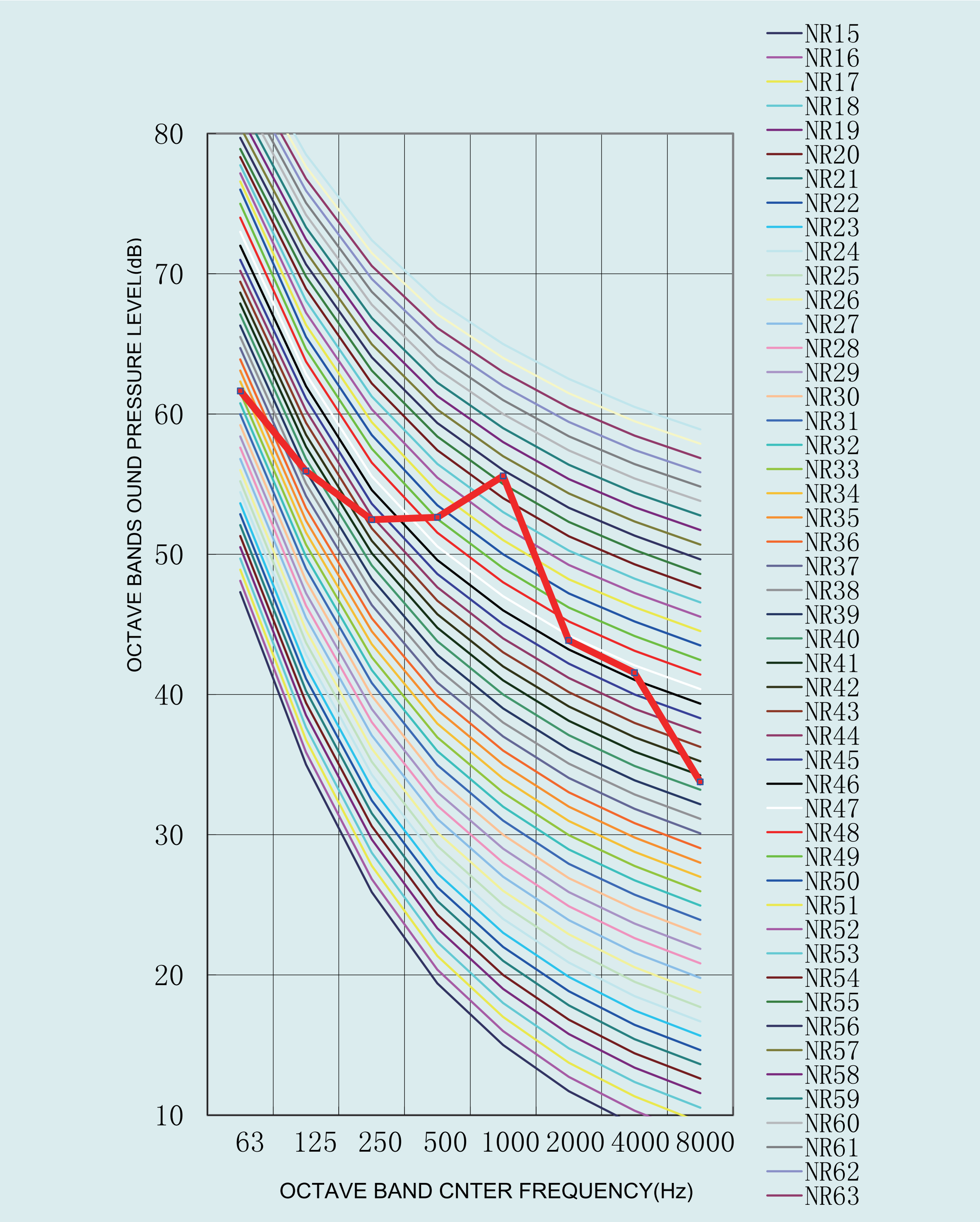
3.dBA =A –weighted sound pressure level (A-scale according to IEC).

4.Noise level curve NR: The International Organization for Standardization (ISO) evaluates the noise level (NR) of the noise spectrum using a single value on the spectrum method (according to ISO 1996).

GUD100W/NhA-T, GUD100W/NhA-X
Cooling



Heating



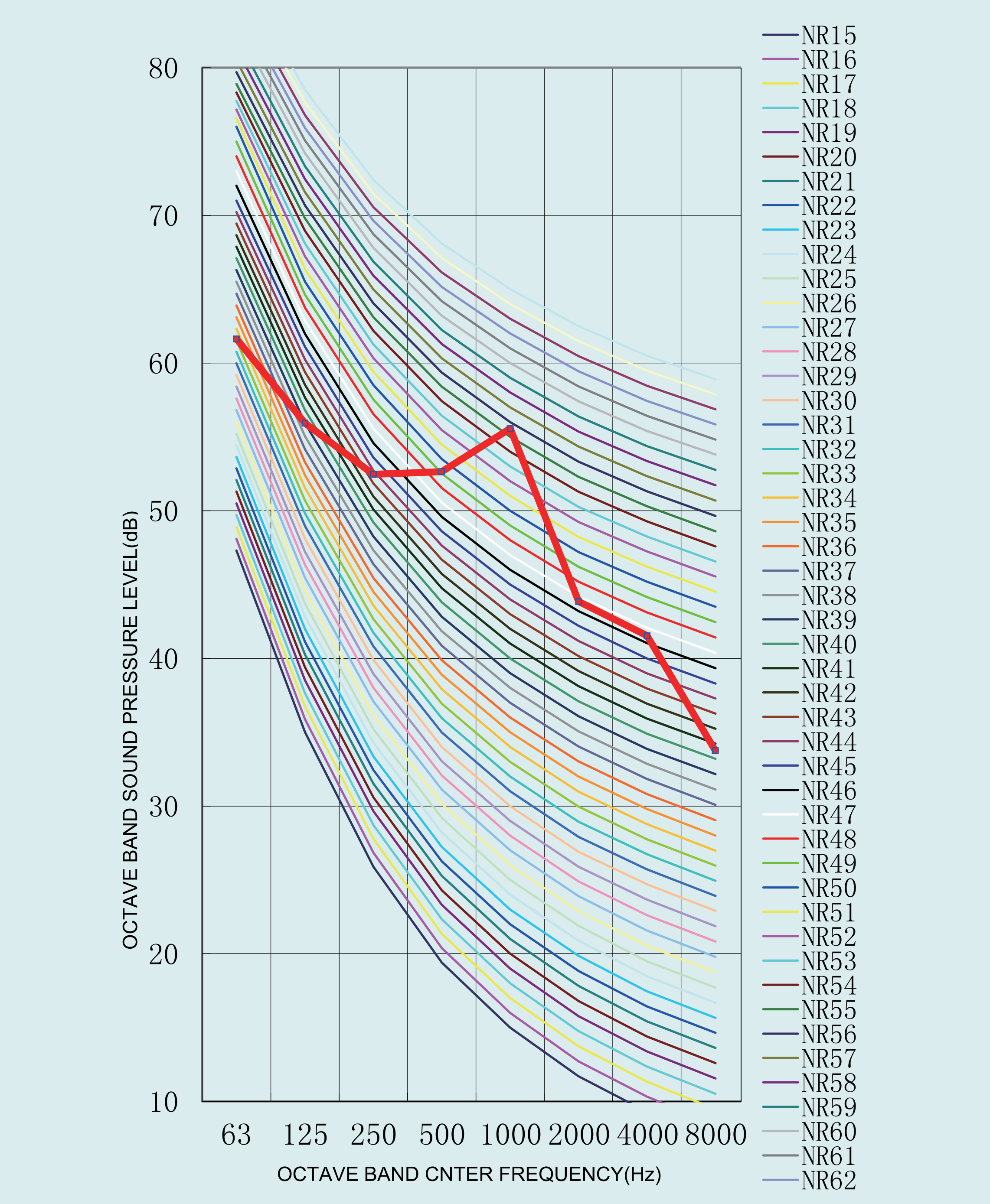
1.Data is valid at field condition.

2.Data is valid at nominal operation condition.

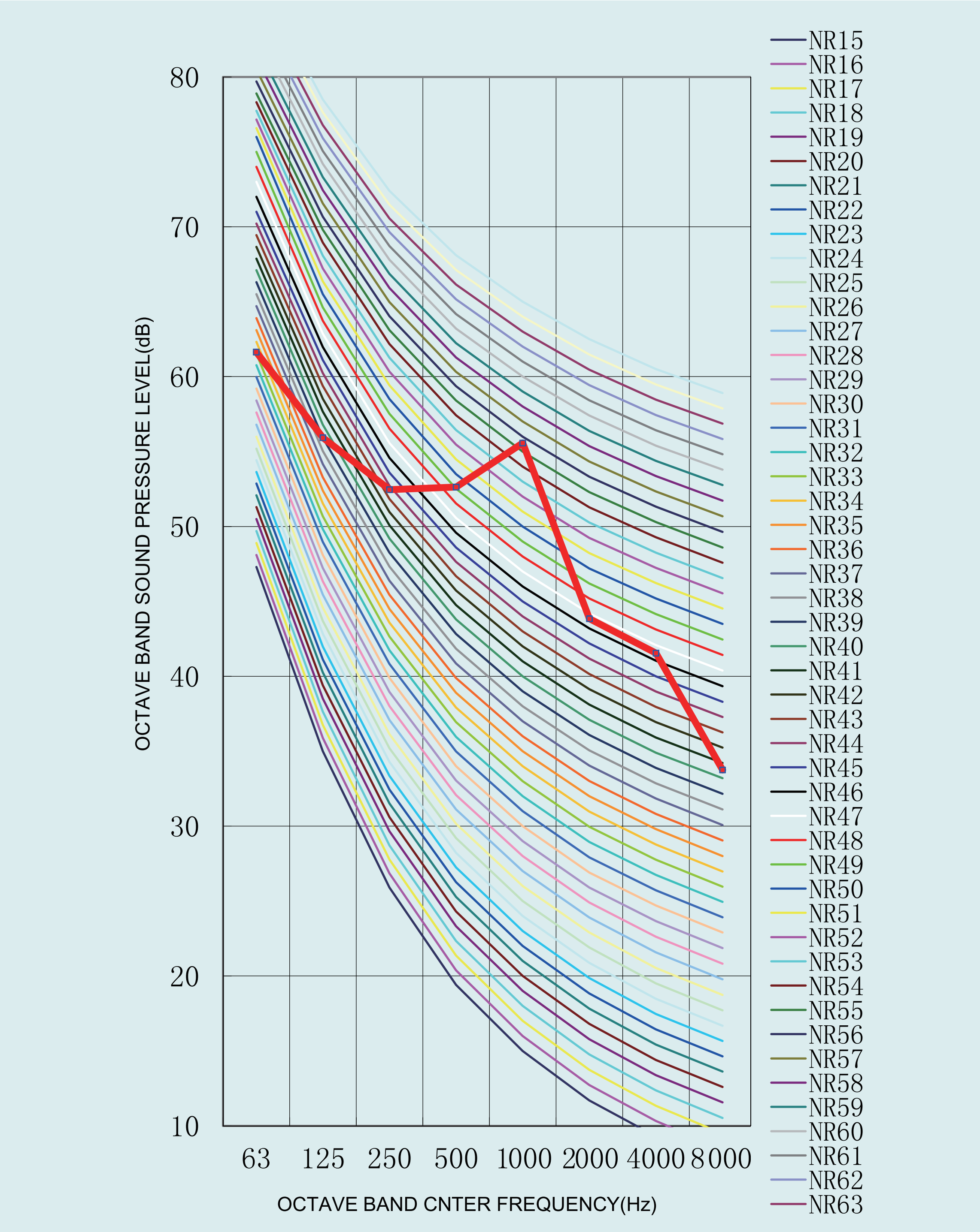
3.dBA =A –weighted sound pressure level (A-scale according to IEC).

4.Noise level curve NR: The International Organization for Standardization (ISO) evaluates the noise level (NR) of the noise spectrum using a single value on the spectrum method (according to ISO 1996).

GUD125W/NhA-T, GUD125W/NhA-X
Cooling



Heating



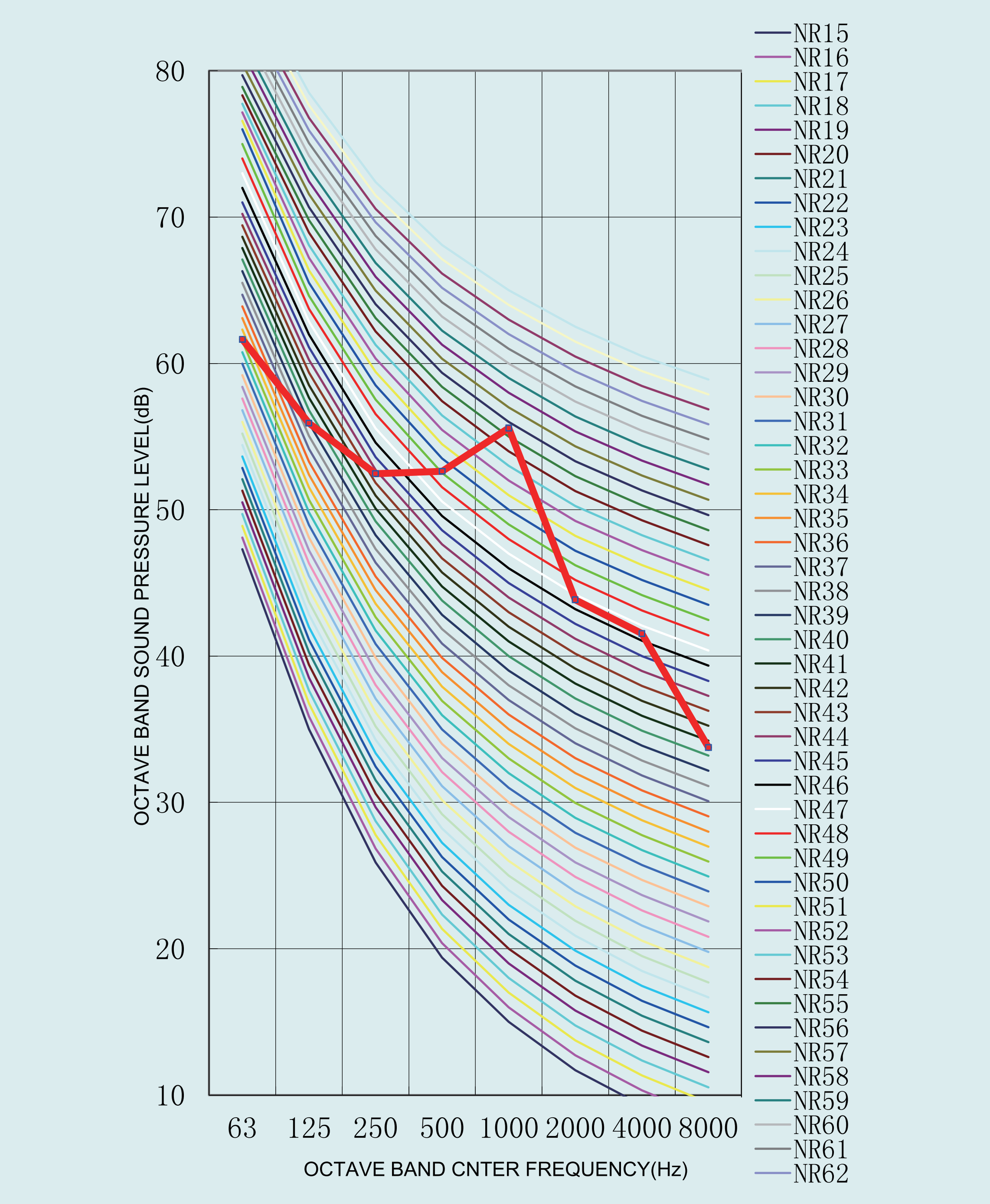
1.Data is valid at field condition.

2.Data is valid at nominal operation condition.

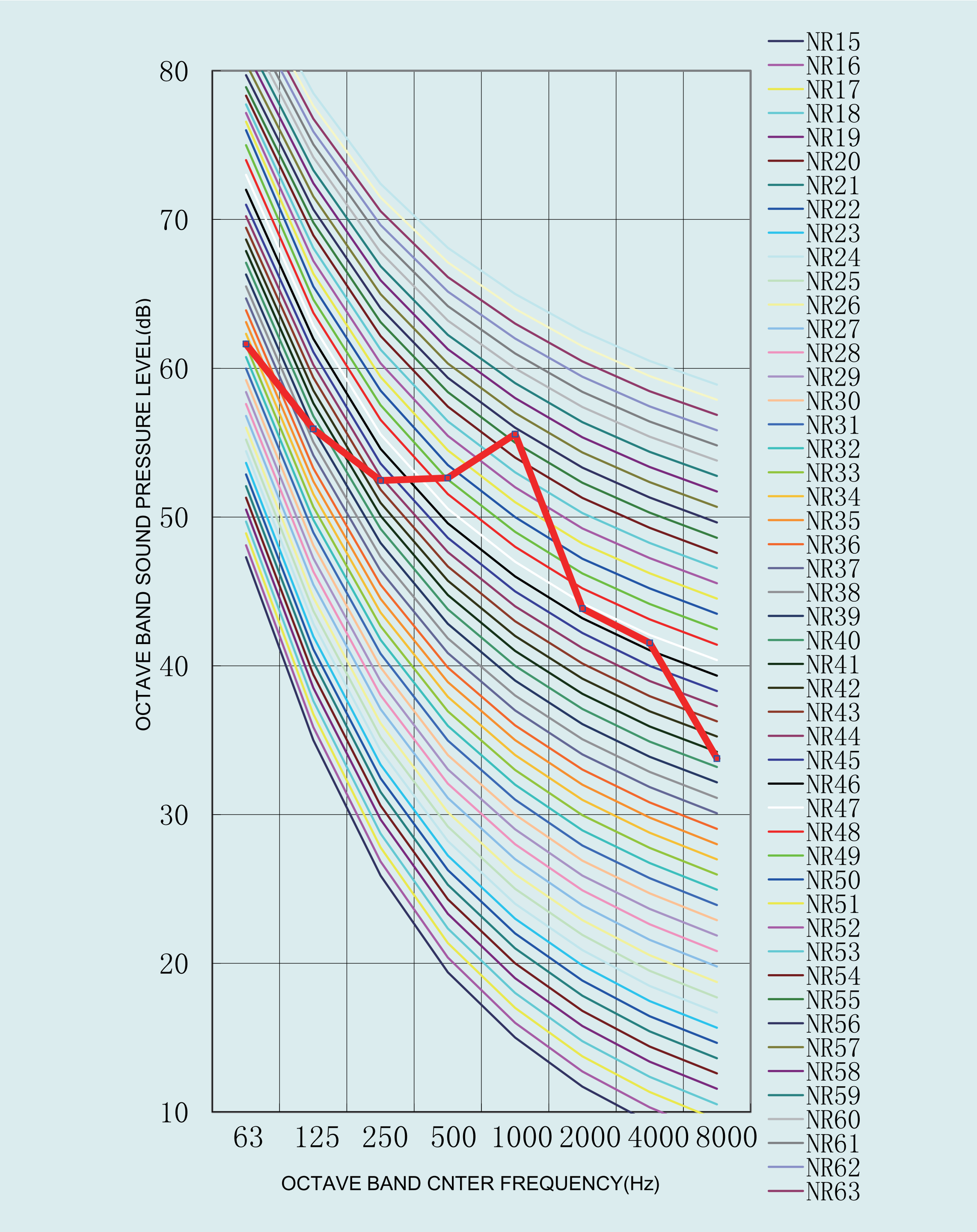
3.dBA =A –weighted sound pressure level (A-scale according to IEC).

4.Noise level curve NR: The International Organization for Standardization (ISO) evaluates the noise level (NR) of the noise spectrum using a single value on the spectrum method (according to ISO 1996).

GUD140W/NhA-T, GUD140W/NhA-X
Cooling



Heating



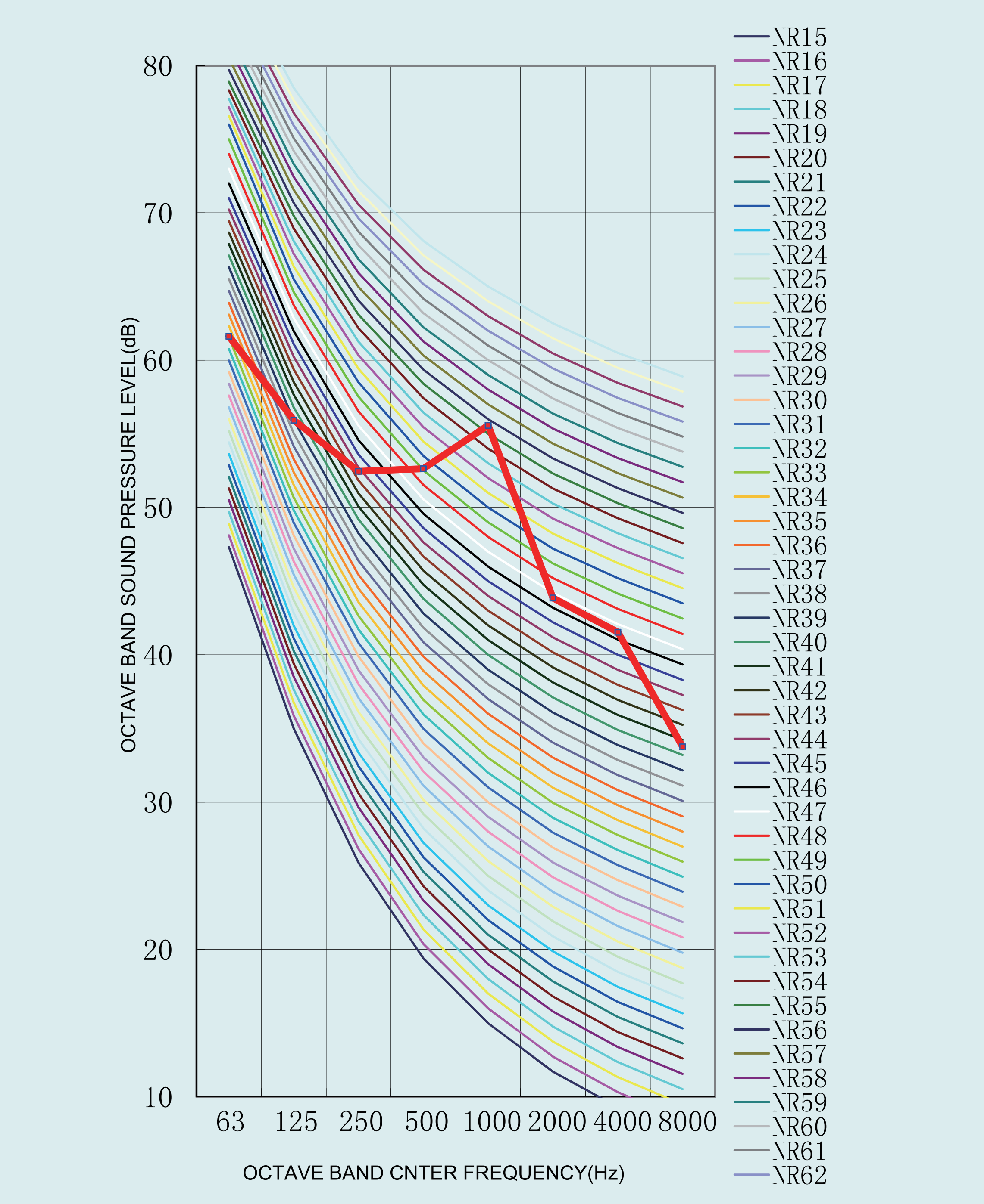
1.Data is valid at field condition.

2.Data is valid at nominal operation condition.

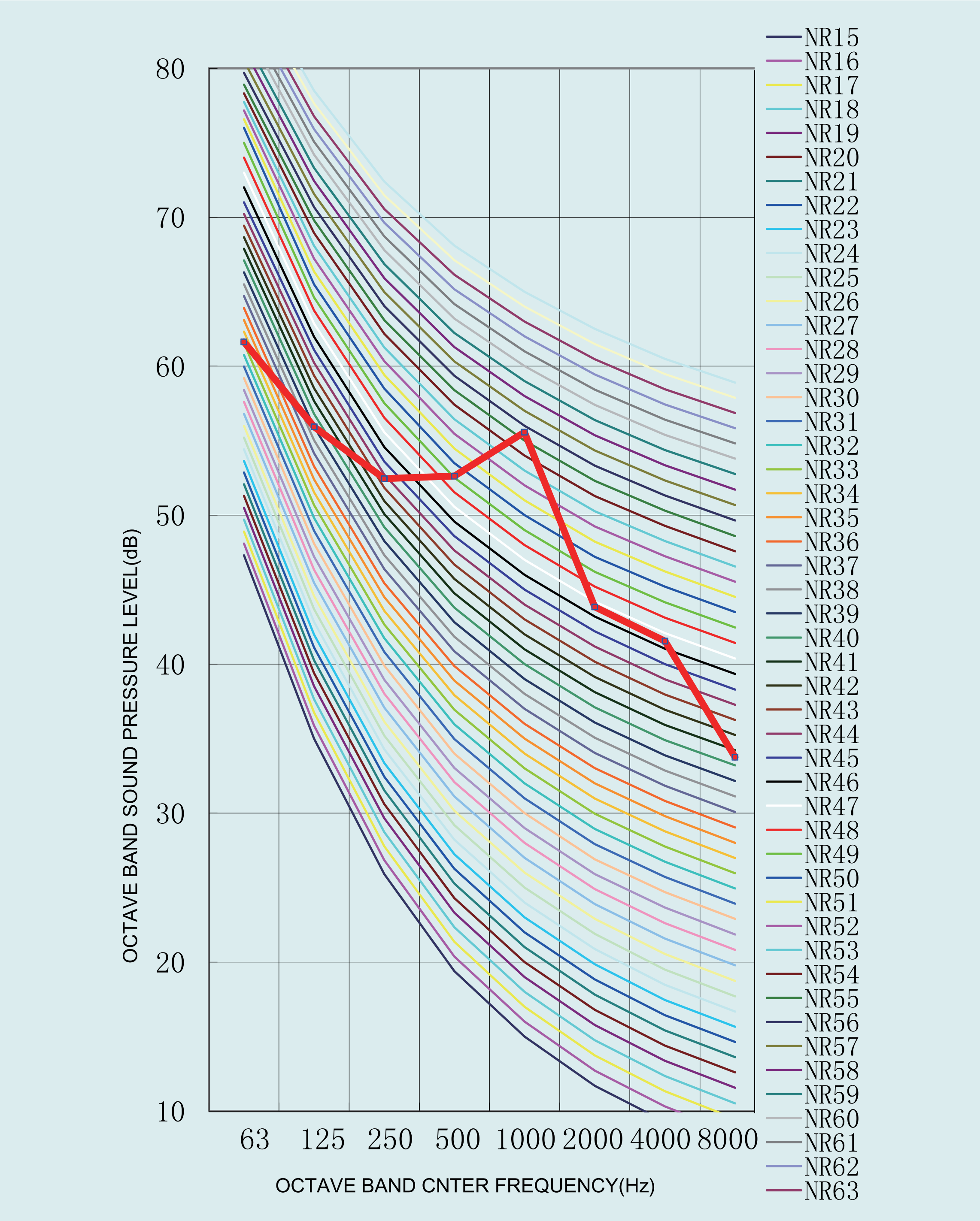
3.dBA =A –weighted sound pressure level (A-scale according to IEC).

4.Noise level curve NR: The International Organization for Standardization (ISO) evaluates the noise level (NR) of the noise spectrum using a single value on the spectrum method (according to ISO 1996).

GUD160W/NhA-X
Cooling



Heating



1.Data is valid at field condition.

2.Data is valid at nominal operation condition.

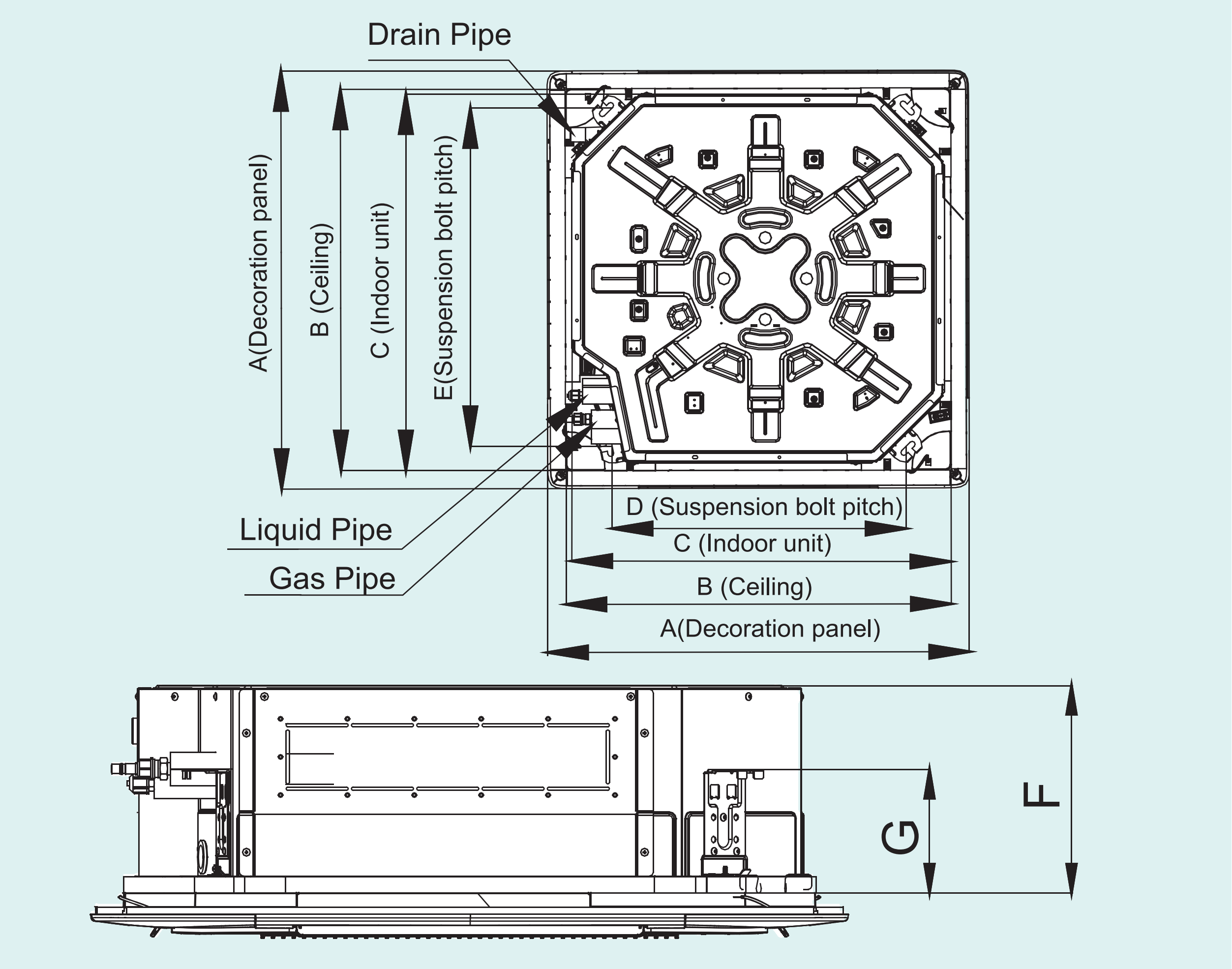
3.dBA =A –weighted sound pressure level (A-scale according to IEC).

4.Noise level curve NR: The International Organization for Standardization (ISO) evaluates the noise level (NR) of the noise spectrum using a single value on the spectrum method (according to ISO 1996).

10 DIMENSIONS AND INSTALLATION SITE

10.1 Cassette Type

10.1.1 Dimensions

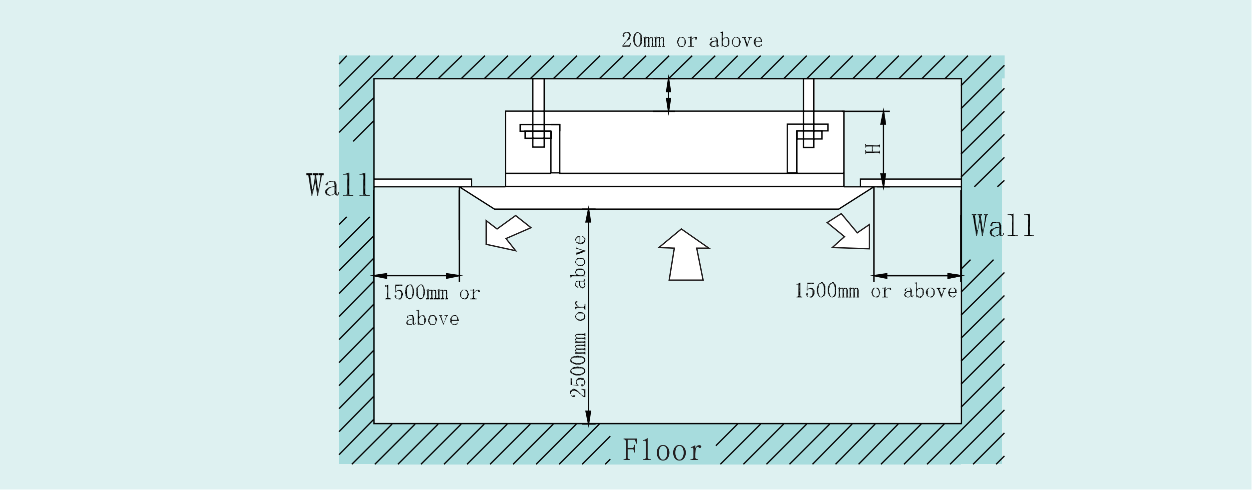


Unit: mm

Dimensions Model	A	B	C	D	E	F	G
GUD35T/A-T	620	580	570	520	560	265	140
GUD50T/A-T	620	580	570	520	560	265	140
GUD71T/A-T	950	870	840	660	790	240	134
GUD85T/A-T	950	870	840	660	790	240	134
GUD100T/A-T	950	870	840	660	790	240	134

Dimensions / Model	A	B	C	D	E	F	G
GUD125T/A-T	950	870	840	660	790	290	134
GUD140T/A-T	950	870	840	660	790	290	134
GUD160T/A-T	950	870	840	660	790	290	134

10.1.2 Installation Location

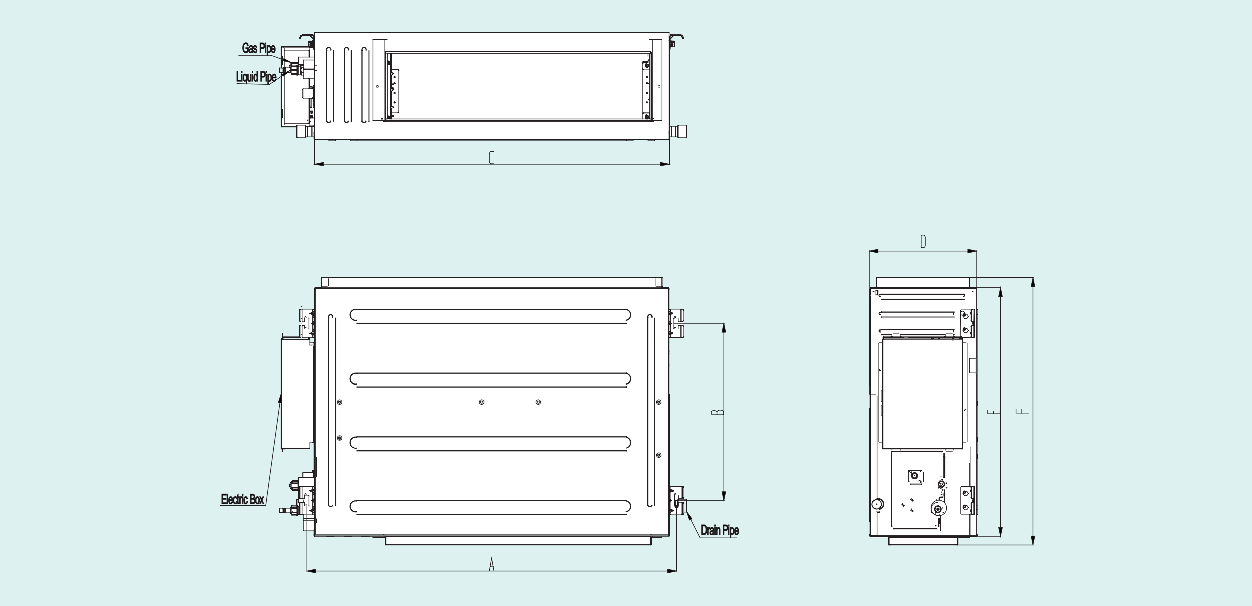


Unit: mm

Model	H
GUD35T/A-T	285
GUD50T/A-T	285
GUD71T/A-T	260
GUD85T/A-T	260
GUD100T/A-T	260
GUD125T/A-T	310
GUD140T/A-T	310
GUD160T/A-T	310

10.2 Duct Type

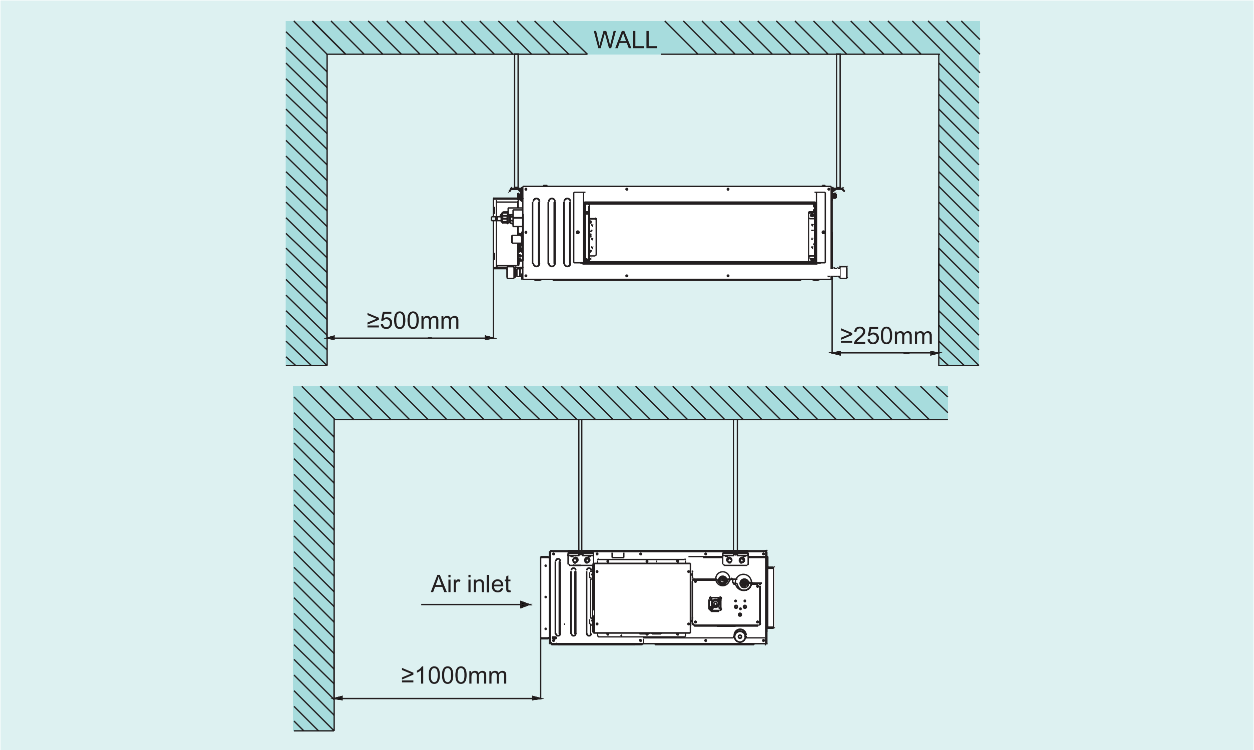
10.2.1 Dimensions



Unit: mm

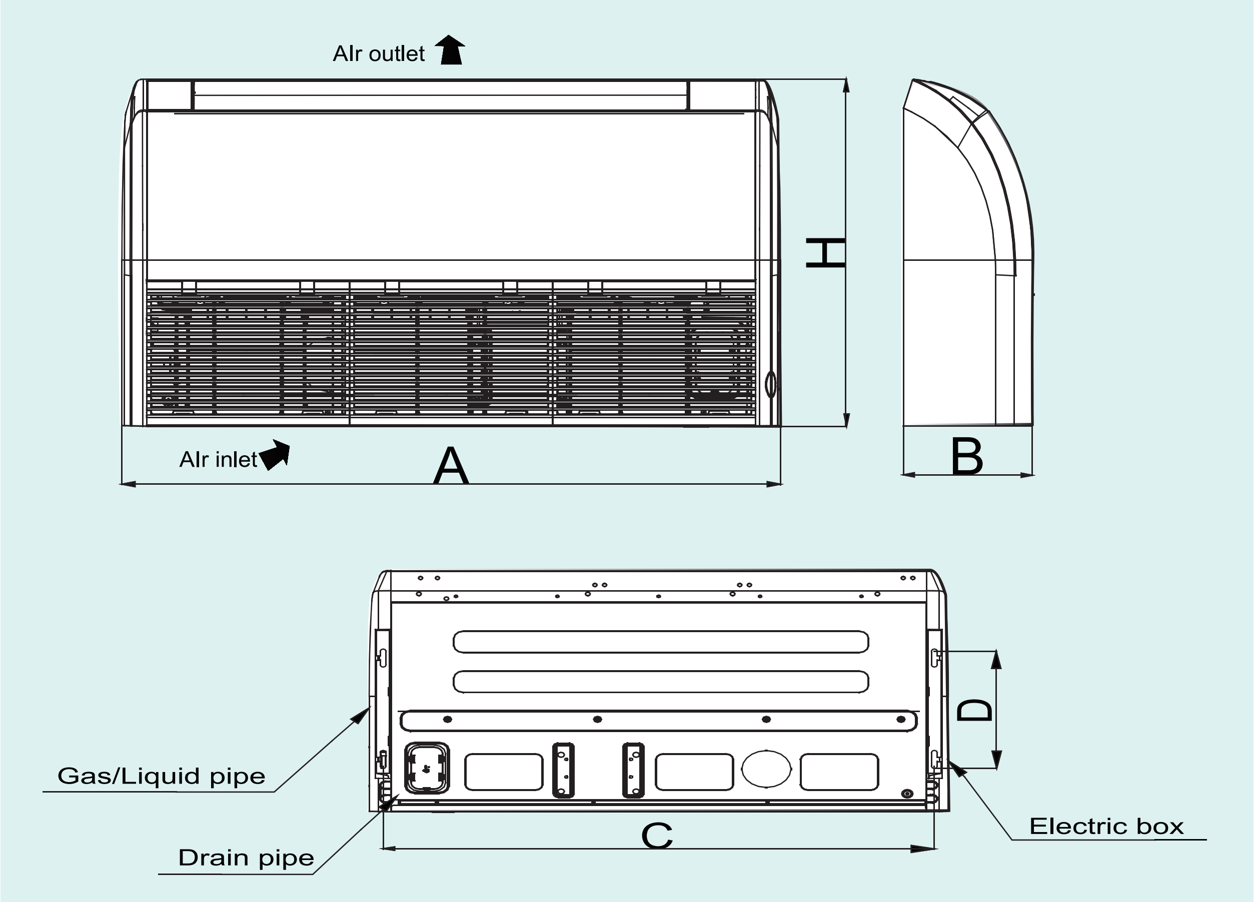
Dimensions Model	A	B	C	D	E	F
GUD35P/A-T	760	415	700	200	450	474
GUD35PS/A-T						
GUD50P/A-T	1060	415	1000	200	450	474
GUD50PS/A-T						
GUD71P/A-T	1360	415	1300	220	450	474
GUD71PS/A-T						
GUD85P/A-T						
GUD85PS/A-T						
GUD100PH/A-T	1040	500	1000	300	700	754
GUD100PHS/A-T						
GUD125PH/A-T	1440	500	1400	300	700	754
GUD125PHS/A-T						
GUD140PH/A-T						
GUD140PHS/A-T						
GUD160PH/A-T						
GUD160PHS/A-T						

10.2.2 Installation Location



10.3 Floor Ceiling Type

10.3.1 Dimensions

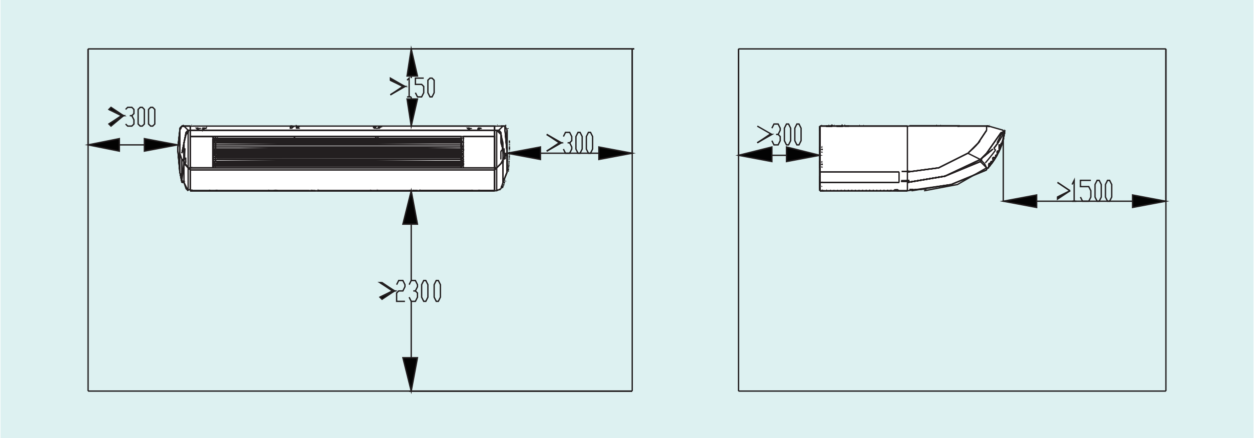


Unit: mm

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

10.3.2 Installation Location

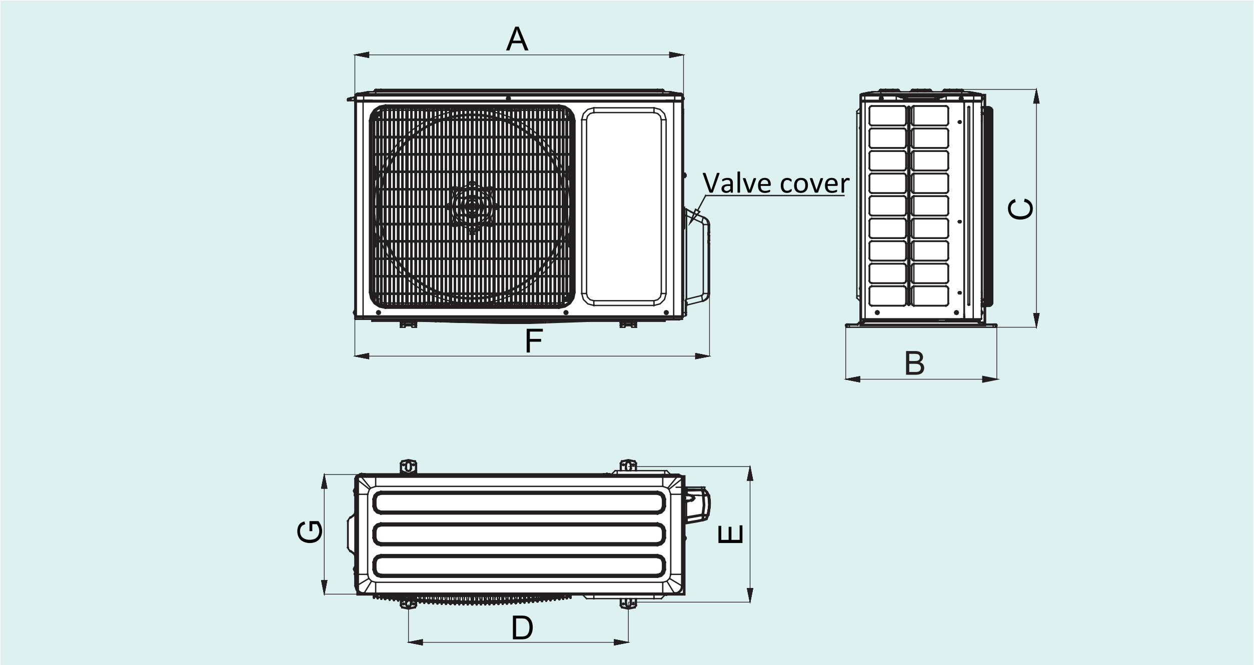
Unit：mm

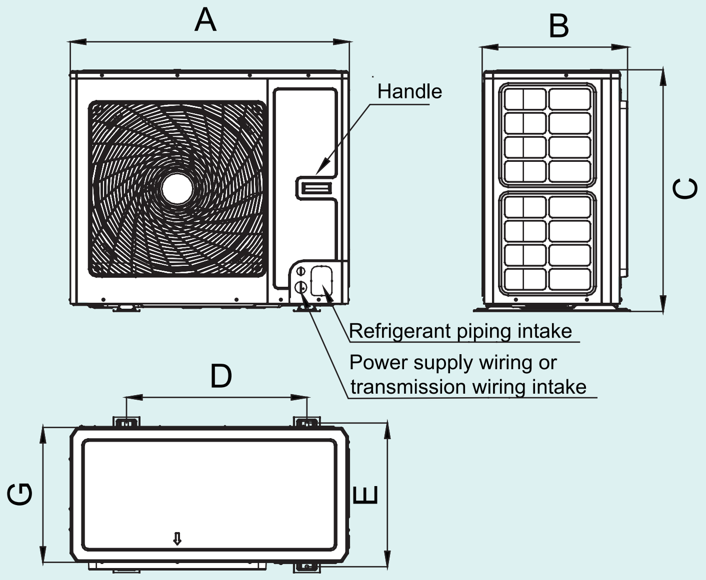


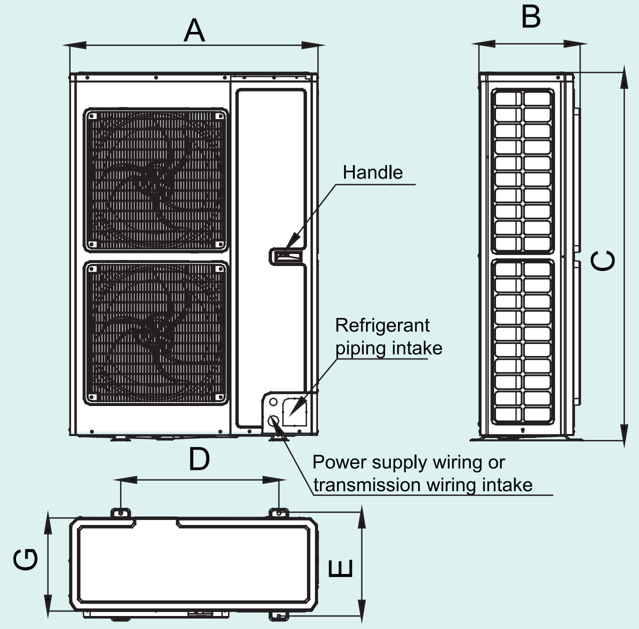
10.4 Outdoor Unit

10.4.1 Dimensions

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







Unit：mm

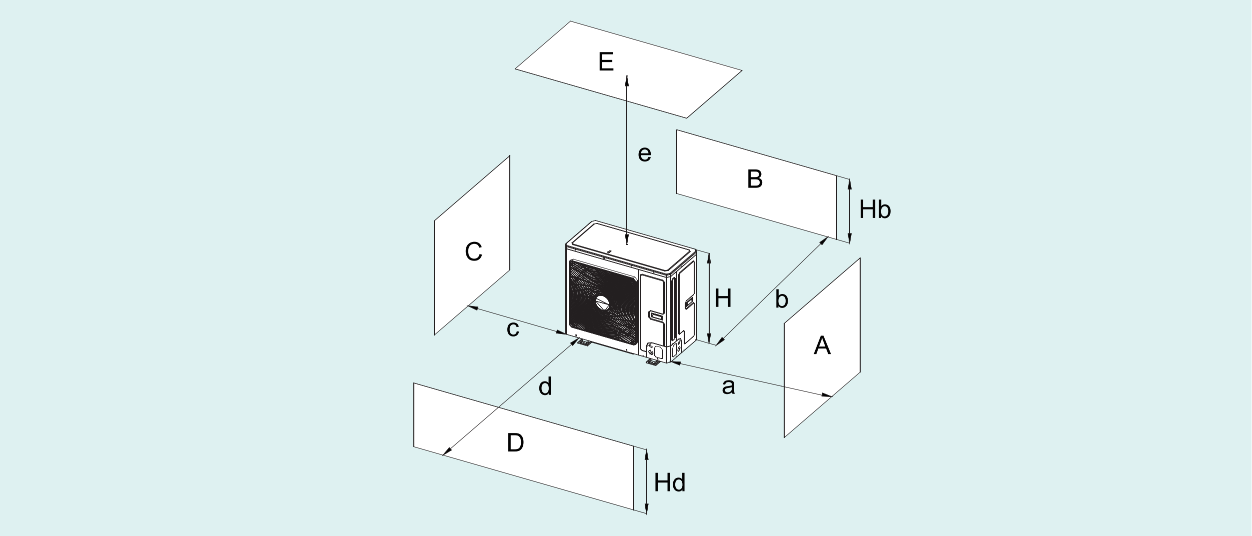
Dimensions / Model	A	B	C	D	E	F	G
GUD35W/NhA-T	818	378	596	550	348	887	302
GUD50W/NhA-T	818	378	596	550	348	887	302
GUD71W/NhA-T	892	396	698	560	364	952	340
GUD85W/NhA-T	920	427	790	610	395	1002	370
GUD100W/NhA-T	940	530	820	610	486	/	460
GUD100W/NhA-X	940	530	820	610	486	/	460

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

10.4.2 Installation Location

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

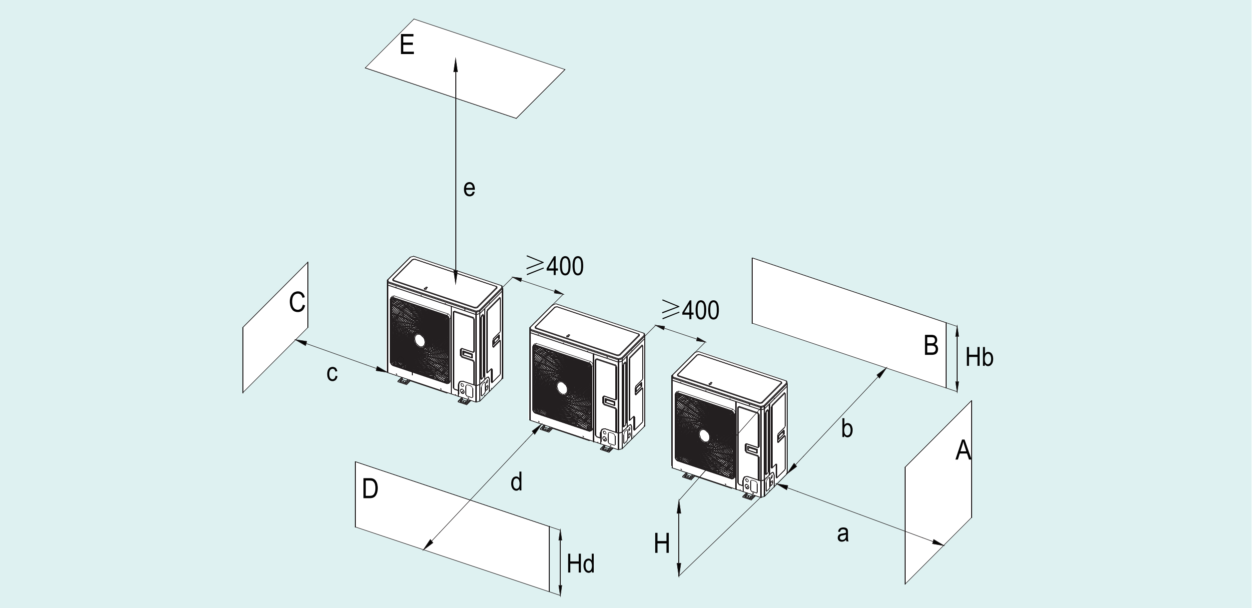
Unit：mm



A~E	H_B H_D H		(mm)				
			a	b	c	d	e
B	—			≥100			
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	$H_B< H_D$	$H_B≤1/2$ H		≥250		≥2000	≥1000
		1/2 $H<H_B≤H$		≥250		≥2000	≥1000
		$H_B > H$	Prohibited				
	$H_B > H_D$	$H_D≤1/2$ H		≥100		≥2000	≥1000
		1/2 $H < H_D≤H$		≥200		≥2000	≥1000
		$H_D > 1/2$ H	Prohibited				

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

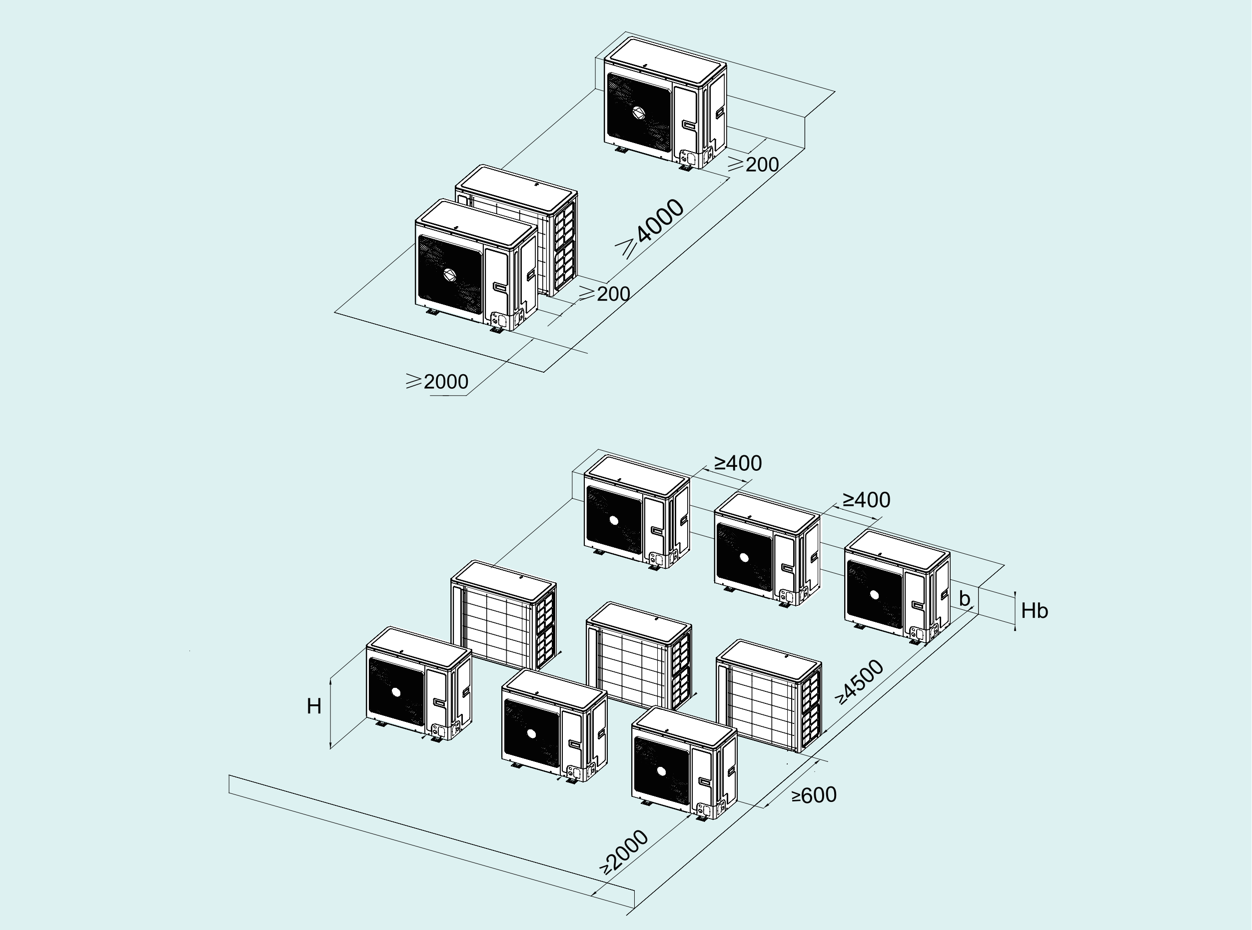
Unit：mm



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	
	$H_B > H_D$	$H_D≤1/2 H$		≥250		≥2000	
		$1/2 H < H_D≤H$		≥300		≥2500	
B,D,E	$H_B< H_D$	$H_B≤1/2 H$		≥300		≥2000	≥1000
		$1/2 H < H_B≤H$		≥300		≥2500	≥1000
		$H_B > H$	Prohibited				
	$H_B > H_D$	$H_D≤1/2 H$		≥250		≥2500	≥1000
		$1/2 H < H_D≤H$		≥300		≥2500	≥1000
		$H_D > 1/2 H$	Prohibited				

3). When outdoor units are installed in rows,

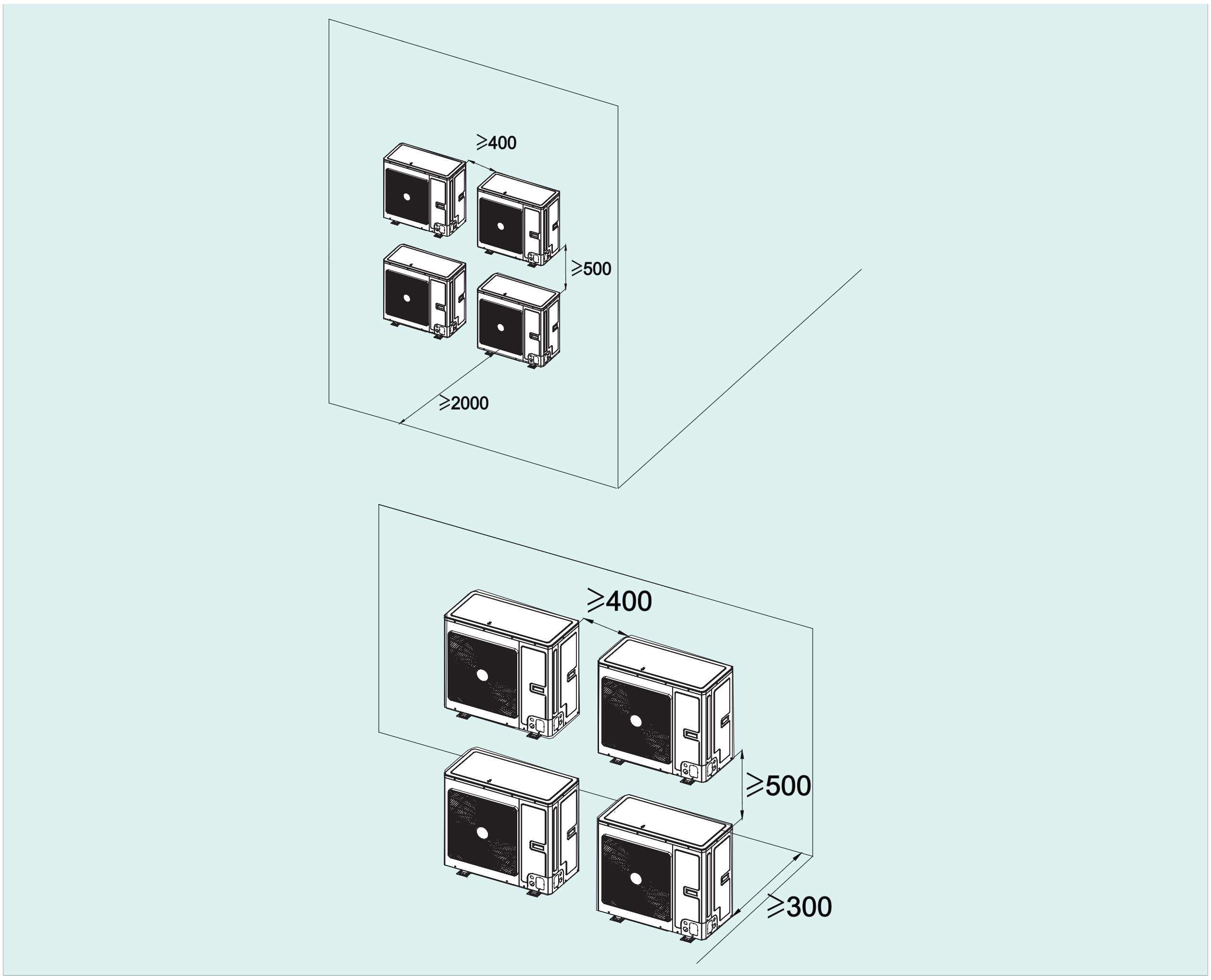
Unit：mm



H_B H	B(mm)
$H_B \le 1/2$ H	b≥250
1/2 H < $H_B \le$H	b≥300
H_B > H	Prohibited

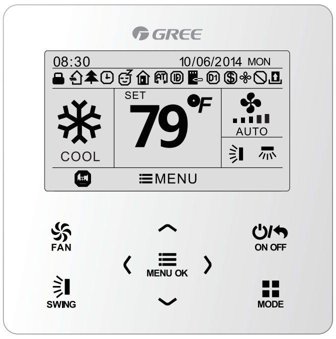
4). When outdoor units are installed one above another,

Unit：mm

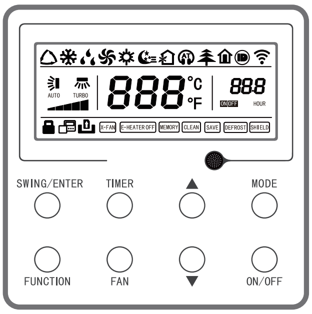


10.5 Controller

YAP1F6



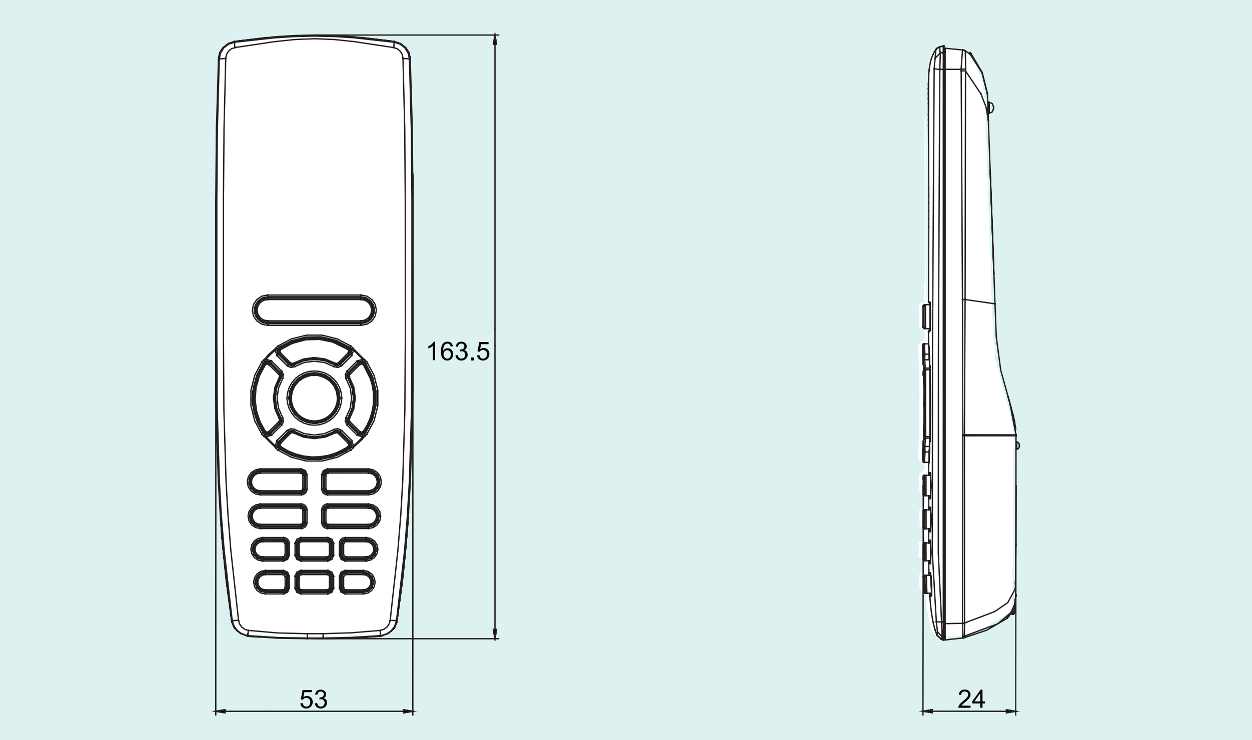
XK75



XK117

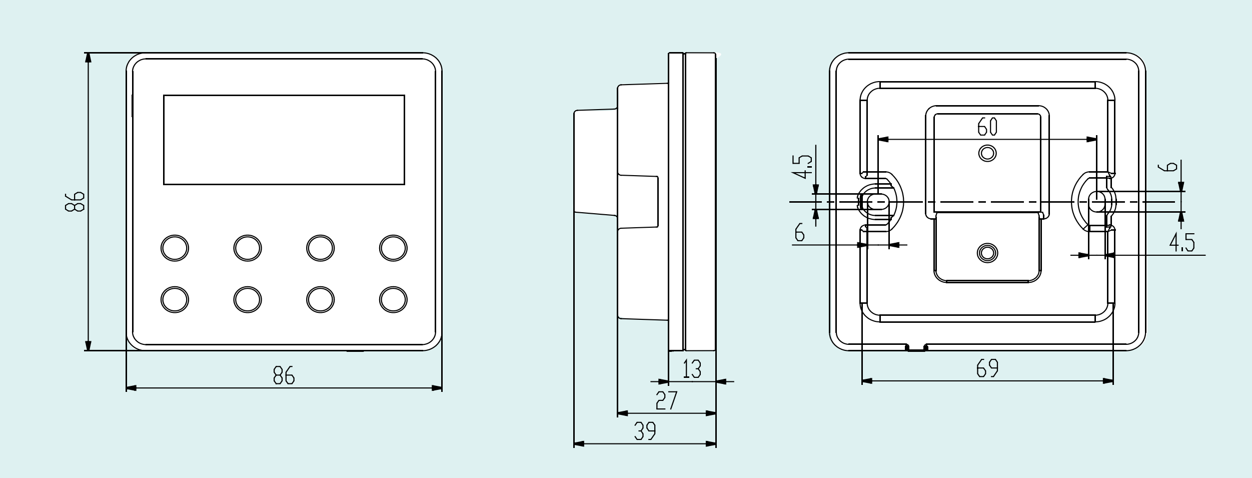
10.5.1 Dimensional Drawing of YAP1F6

Unit: mm



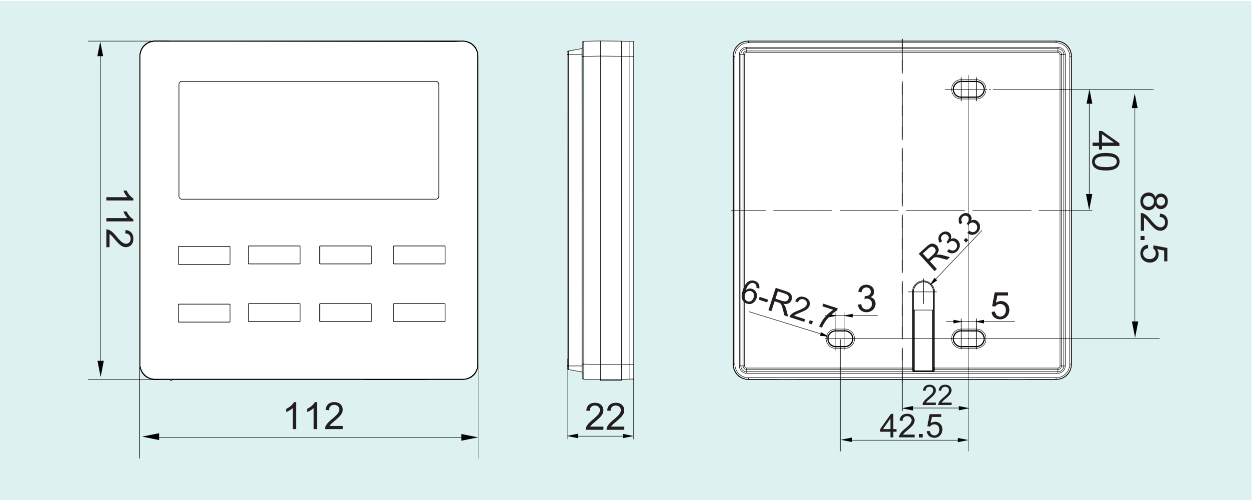
10.5.2 Dimensional Drawing of XK117

Unit: mm



10.5.3 Dimensional Drawing of XK75

Unit：mm



11 ELECTRICAL INSTALLATION

11.1 Electrical Parameters

Model	Power supply	Circuit breaker capacity	Min. sectional area of power cord
	V/Ph/Hz	A	mm^2
GUD35W/NhA-T	220-240V 1N~50Hz 208-230V 1N~60Hz	16	1.5
GUD50W/NhA-T		16	1.5
GUD71W/NhA-T		20	2.5
GUD85W/NhA-T		25	2.5
GUD100W/NhA-T		32	4.0
GUD125W/NhA-T		32	4.0
GUD140W/NhA-T		40	6.0
GUD100W/NhA-X	380-415V 3N~50Hz/60Hz	16	1.5
GUD125W/NhA-X		16	1.5
GUD140W/NhA-X		16	1.5
GUD160W/NhA-X		16	1.5

Model	Power supply	Fuse capacity	Circuit breaker capacity	Min. sectional area of power cord
	V/Ph/Hz	A	A	mm^2
Indoor unit	220-240V 1N~50Hz 208-230V 1N~60Hz	3.15	6	1.0

Notes：

Fuse is located on the main board.

Install a circuit breaker at every power terminal near the units (indoor and outdoor units) with at least

3mm contact gap. The units must be able to be plugged or unplugged.

Circuit breaker and power cord specifications listed in the above table are determined based on the maximum power input of the units.

Specifications of power cords listed in the above table are applicable in a working condition where ambient temperature is 40 ˚C and multi-core copper cable (e.g. YJV copper cable, with insulated PE and PVC sheath) is protected by a conduit, and is resistant to 90˚C in maximum (See IEC 60364-5-52). If working condition changes, please adjust the specifications according to national standards.

Specifications of circuit breaker are based on a working condition where the working temperature is 40℃ . If working condition changes, please adjust the specifications according to national standards.

Adopt 2pc of 0.75mm² power cords to be the communication cords between indoor and outdoor units. The maximum length is 100m. Please select a proper length according to local conditions. Communication cords must not be twisted together.

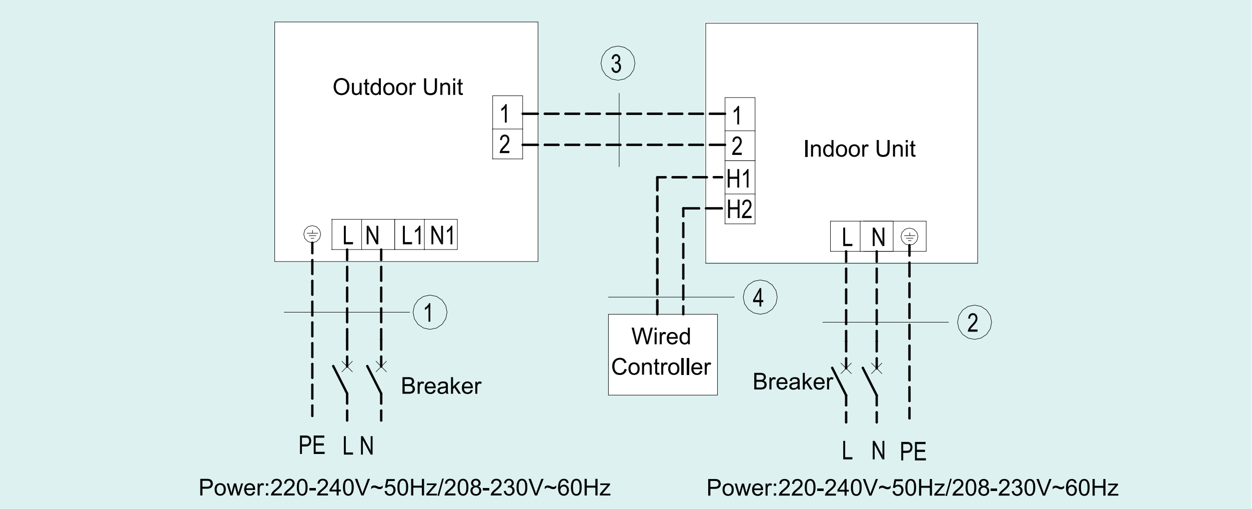
Adopt 2pc of 0.75mm² power cords to be the communication cords between wired control and indoor unit. The maximum length is 30m. Please select a proper length according to local conditions. Communication cords must not be twisted together.

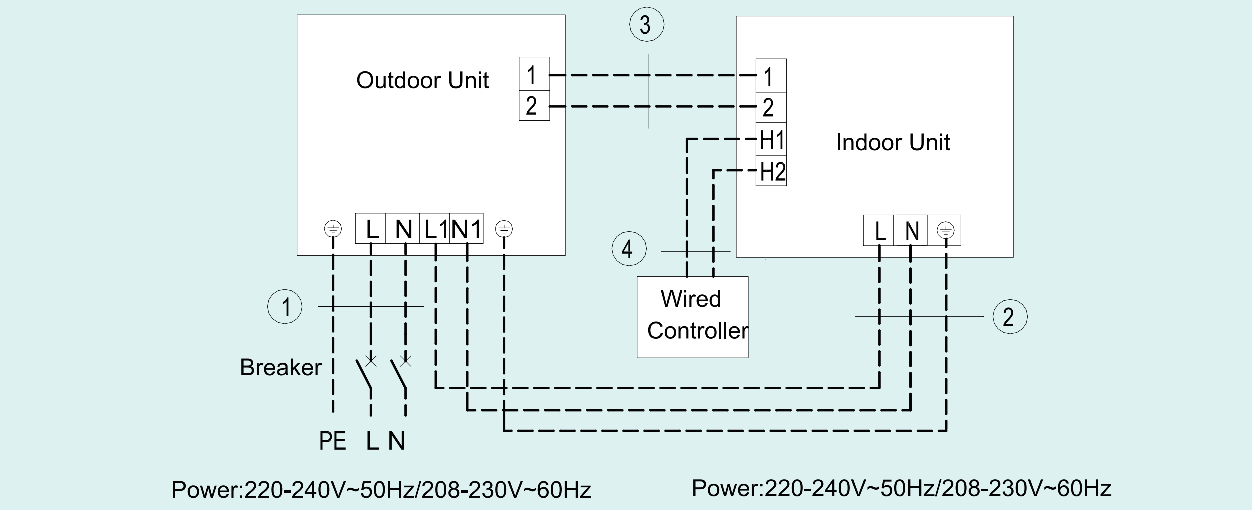
The wire gauge of communication cord should not be less than 0.75mm². It's recommended to use 0.75mm² power cords as the communication cords.

11.2 Wiring Diagram

11.2.1 Cassette Type

Single-phase unit: GUD35W/NhA-T, GUD50W/NhA-T, GUD71W/NhA-T, GUD85W/NhA-T.

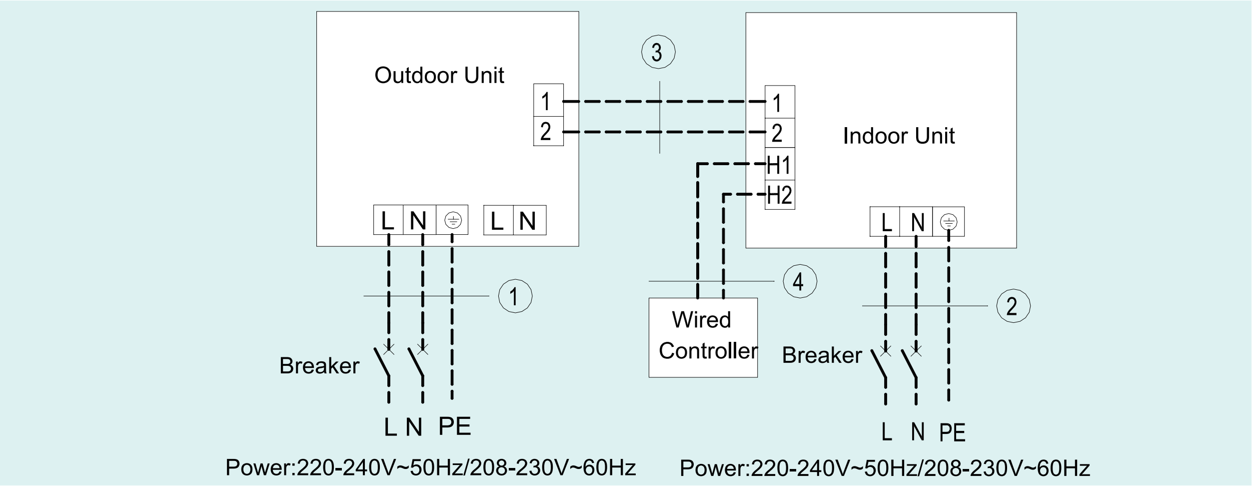


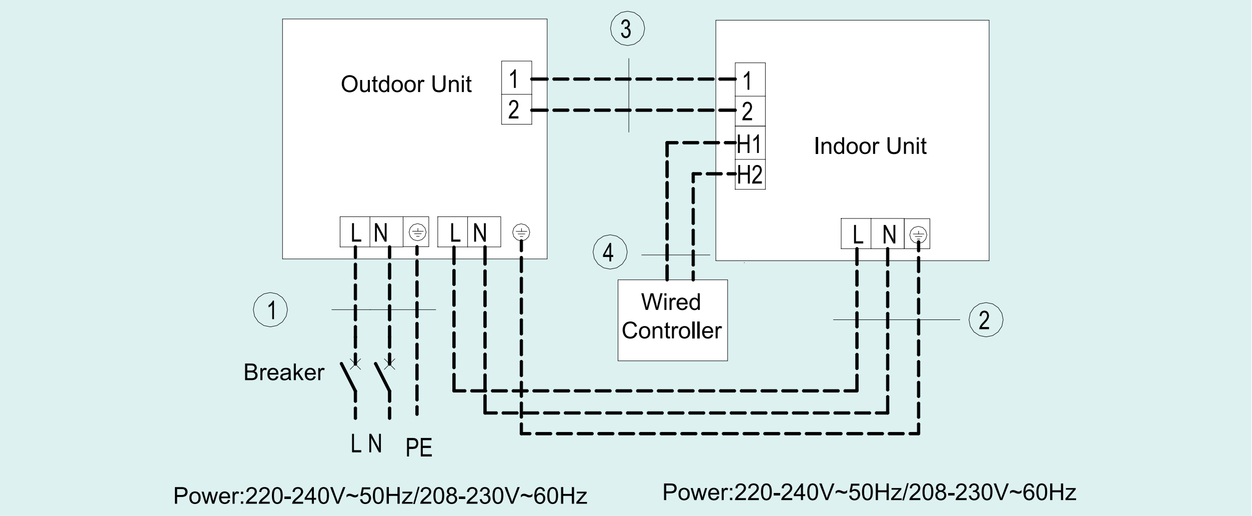


GUD35T/A-T+GUD35W/NhA-T
GUD50T/A-T+GUD50W/NhA-T
1. Power cord 3×1.5mm^2
2. Power cord 3×1.0mm^2
3. Communication Cords 2×0.75mm^2
4. Communication Cords 2×0.75mm^2

GUD71T/A-T+GUD71W/NhA-T
GUD85T/A-T+GUD85W/NhA-T
1. Power cord 3×2.5mm^2
2. Power cord 3×1.0mm^2
3. Communication Cords 2×0.75mm^2
4. Communication Cords 2×0.75mm^2

Single-phase unit: GUD100W/NhA-T, GUD125W/NhA-T, GUD140W/NhA-T.

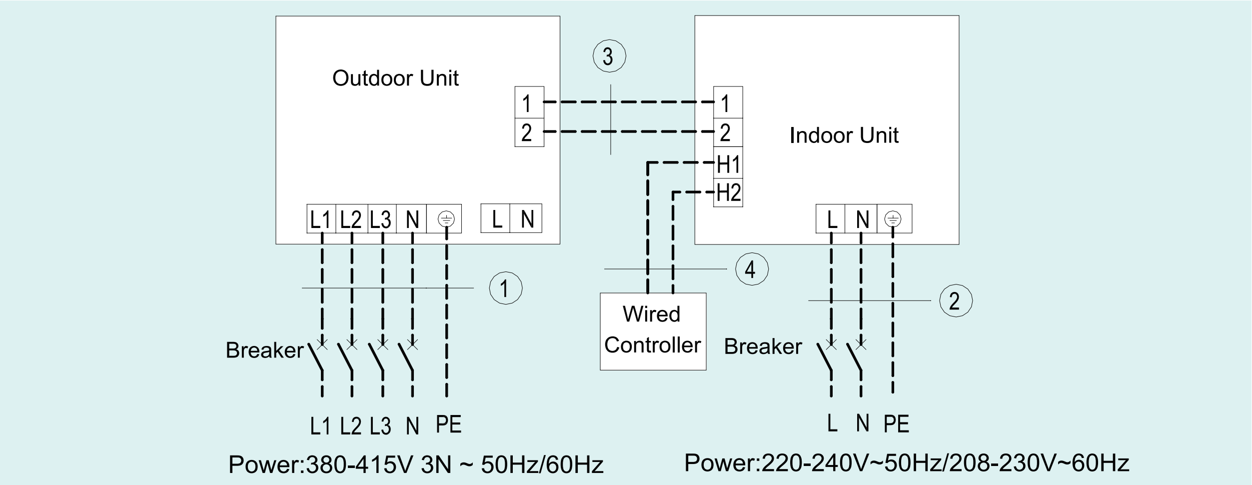


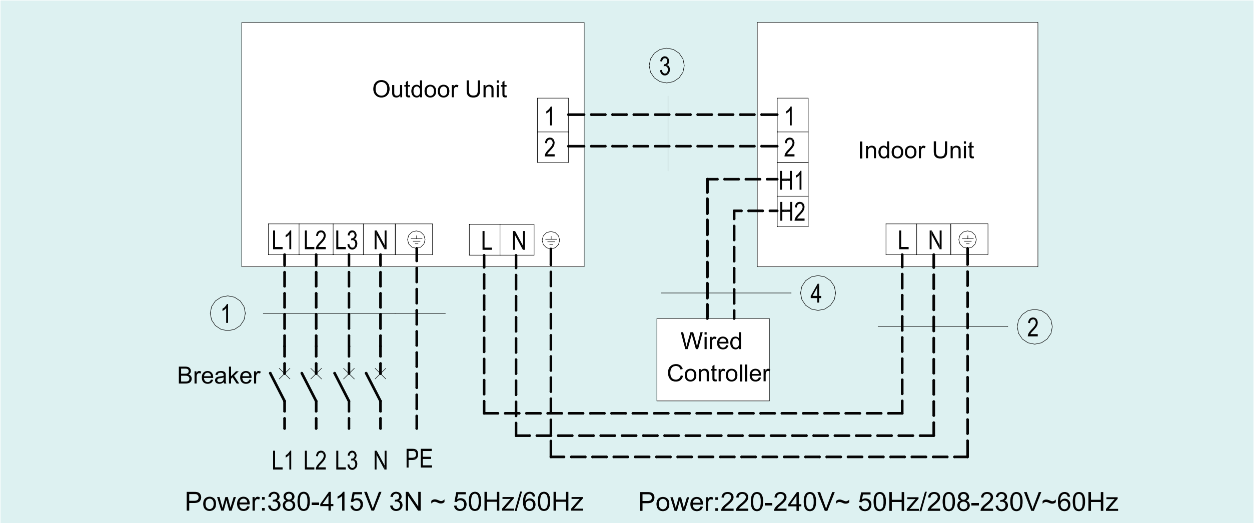


GUD100T/A-T+GUD100W/NhA-T GUD125T/A-T+GUD125W/NhA-T
1. Power cord 3×4.0mm^2
2. Power cord 3×1.0mm^2
3. Communication Cords 2×0.75mm^2
4. Communication Cords 2×0.75mm^2

GUD140T/A-T+GUD140W/NhA-T
1. Power cord 3×6.0mm^2
2. Power cord 3×1.0mm^2
3. Communication Cords 2×0.75mm^2
4. Communication Cords 2×0.75mm^2

Three-phase unit: GUD100W/NhA-X, GUD125W/NhA-X, GUD140W/NhA-X, GUD160W/NhA-X.

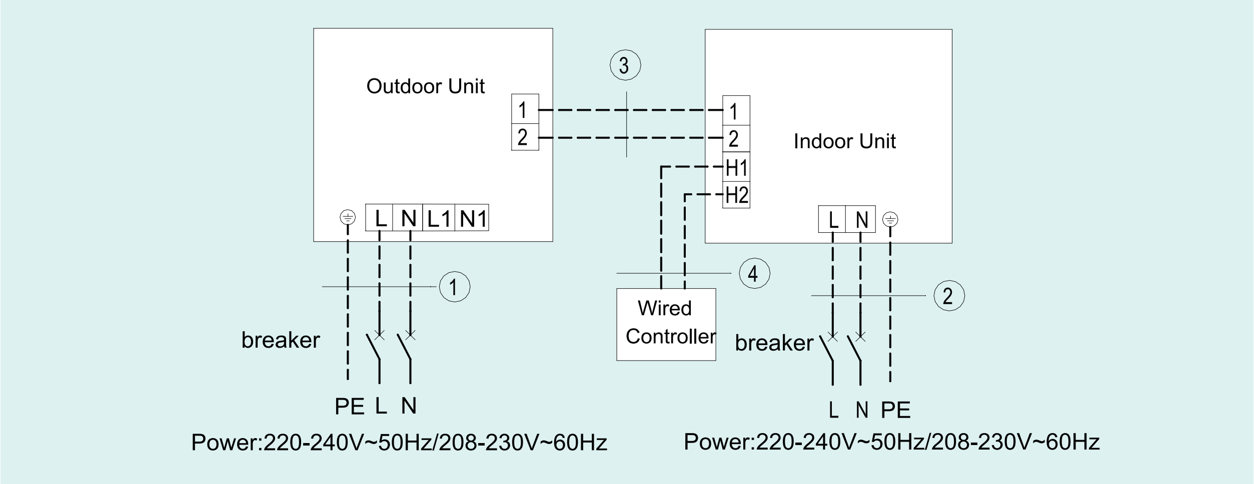


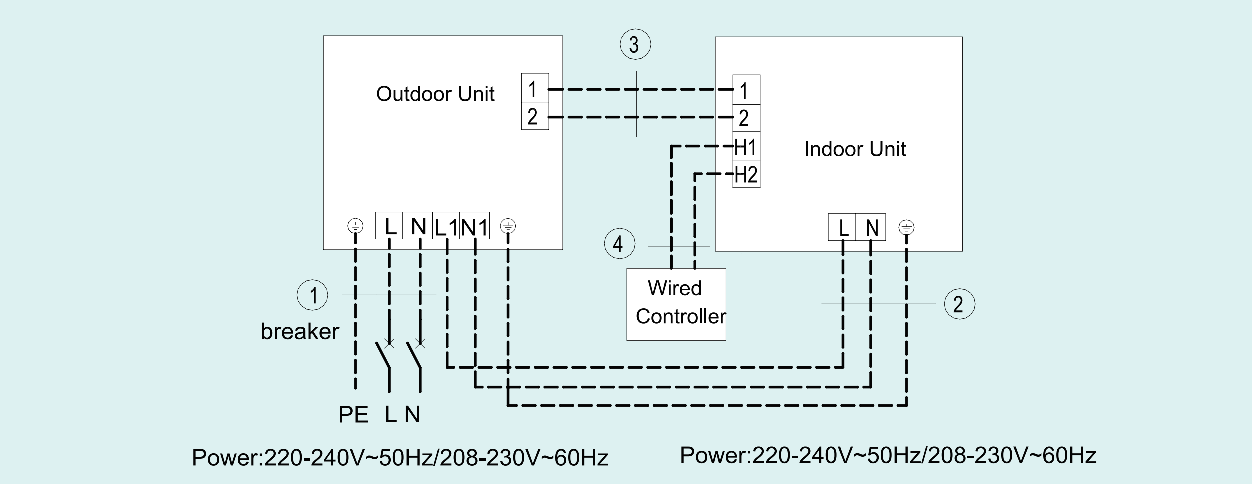


GUD100T/A-T +GUD100W/NhA-X
GUD125T/A-T +GUD125W/NhA-X
GUD140T/A-T +GUD140W/NhA-X
GUD160T/A-T +GUD160W/NhA-X
1. Power cord 5×1.5mm^2
2. Power cord 3×1.0mm^2
3. Communication Cords 2×0.75mm^2
4. Communication Cords 2×0.75mm^2

11.2.2 Duct Type

Single-phase unit: GUD35W/NhA-T, GUD50W/NhA-T, GUD71W/NhA-T, GUD85W/NhA-T.

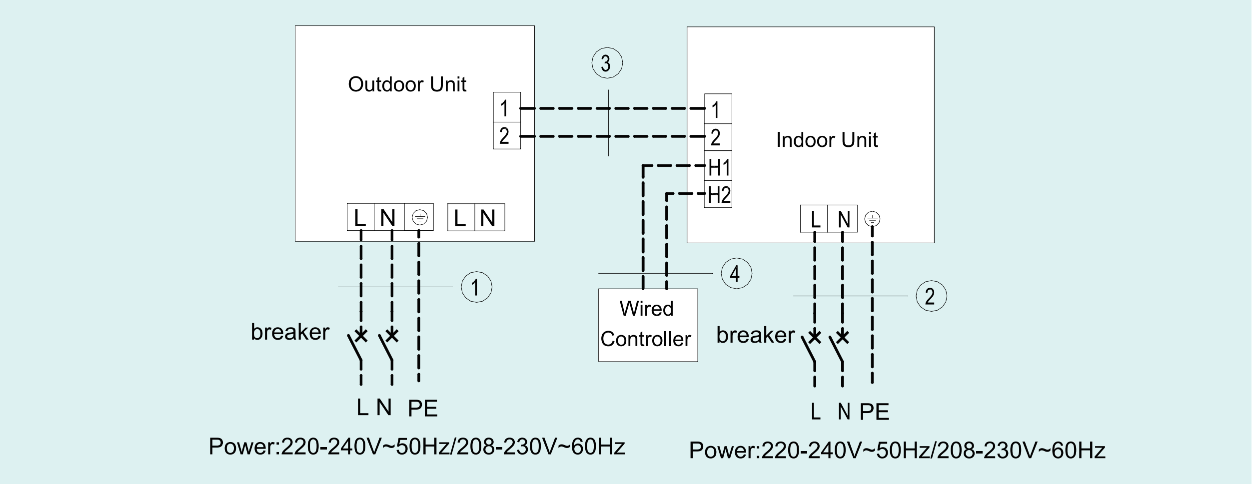


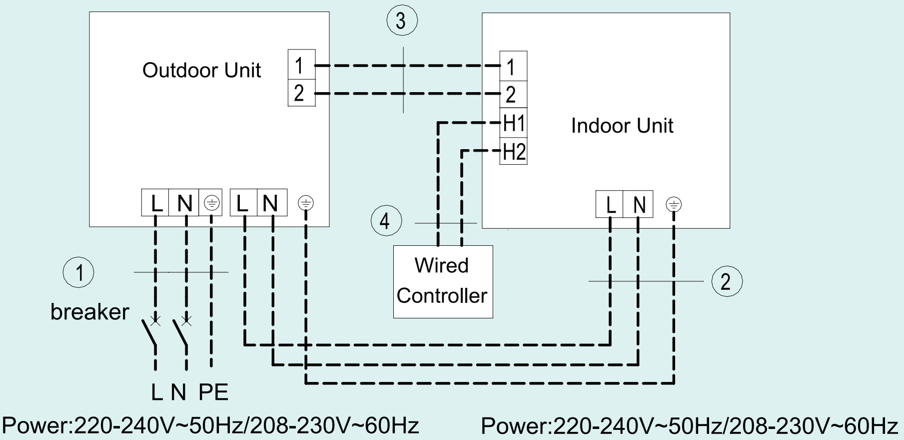


GUD35P/A-T+GUD35W/NhA-T, GUD35PS/A-T+GUD35W/NhA-T
GUD50P/A-T+GUD50W/NhA-T, GUD50PS/A-T+GUD50W/NhA-T
1. Power cord 3×1.5mm^2
2. Power cord 3×1.0mm^2
3. Communication Cords 2×0.75mm^2
4. Communication Cords 2×0.75mm^2

GUD71P/A-T+GUD71W/NhA-T, GUD71PS/A-T+GUD71W/NhA-T
GUD85P/A-T+GUD85W/NhA-T, GUD85PS/A-T+GUD85W/NhA-T
1. Power cord 3×2.5mm^2
2. Power cord 3×1.0mm^2
3. Communication Cords 2×0.75mm^2
4. Communication Cords 2×0.75mm^2

Single-phase Unit: GUD100W/NhA-T, GUD125W/NhA-T, GUD140W/NhA-T.





GUD100PH/A-T+GUD100W/NhA-T, GUD100PHS/A-T+GUD100W/NhA-T

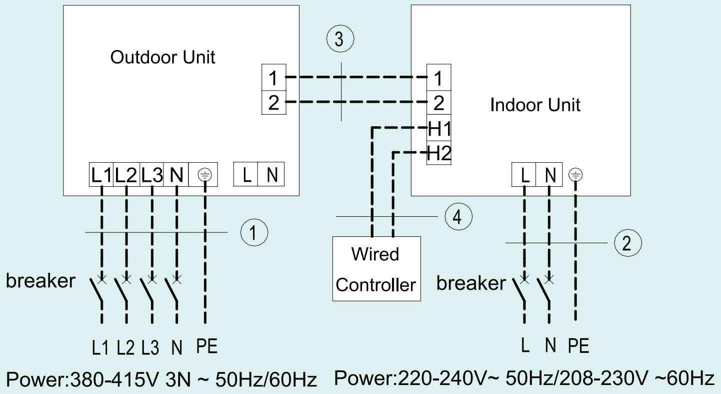
GUD125PH/A-T+GUD125W/NhA-T, GUD125PHS/A-T+GUD125W/NhA-T

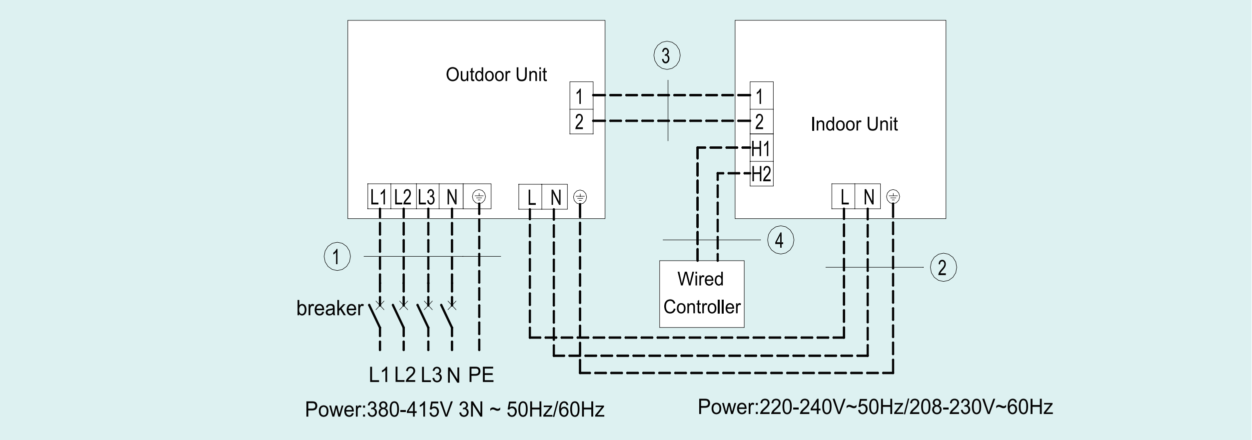
1. Power cord 3×4.0mm^2
2. Power cord 3×1.0mm^2
3. Communication Cords 2×0.75mm^2
4. Communication Cords 2×0.75mm^2

GUD140PH/A-T+GUD140W/NhA-T, GUD140PHS/A-T+GUD140W/NhA-T

1. Power cord 3×6.0mm^2
2. Power cord 3×1.0mm^2
3. Communication Cords 2×0.75mm^2
4. Communication Cords 2×0.75mm^2

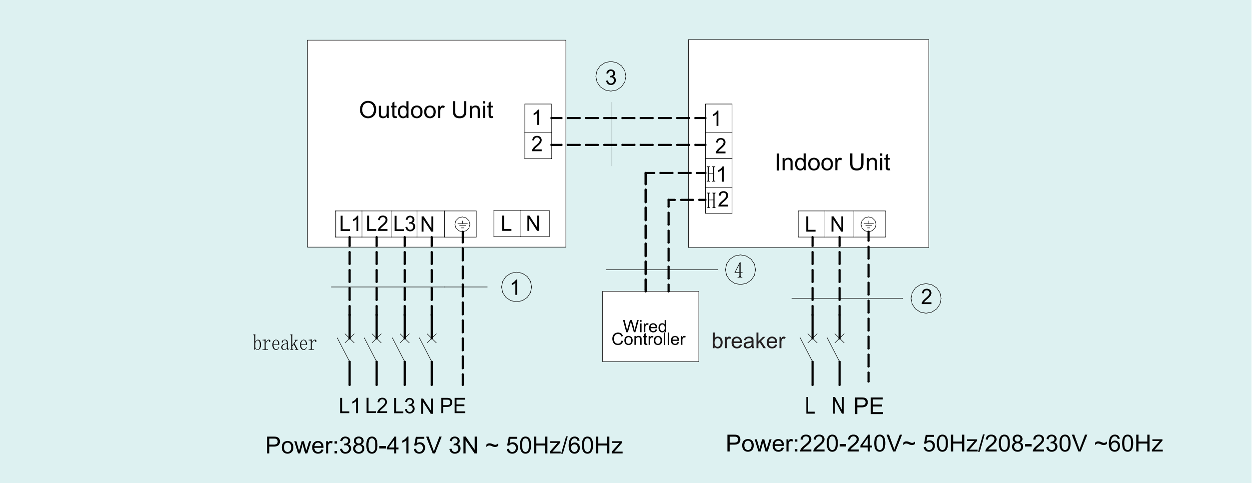
Three-phase unit: GUD100W/NhA-X, GUD125W/NhA-X, GUD140W/NhA-X.

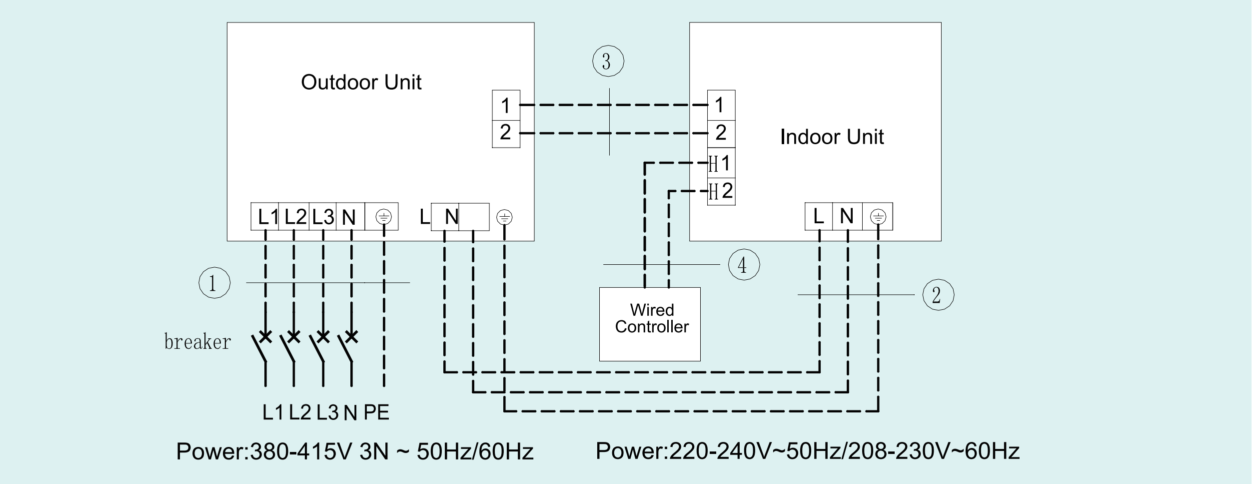




GUD100PH/A-T+GUD100W/NhA-X, GUD100PHS/A-T+GUD100W/NhA-X
GUD125PH/A-T+GUD125W/NhA-X, GUD125PHS/A-T+GUD125W/NhA-X
GUD140PH/A-T+GUD140W/NhA-X, GUD140PHS/A-T+GUD140W/NhA-X
1. Power cord 5×1.5mm^2
2. Power cord 3×1.0mm^2
3. Communication Cords 2×0.75mm^2
4. Communication Cords 2×0.75mm^2

Three-phase unit: GUD160W/NhA-X.

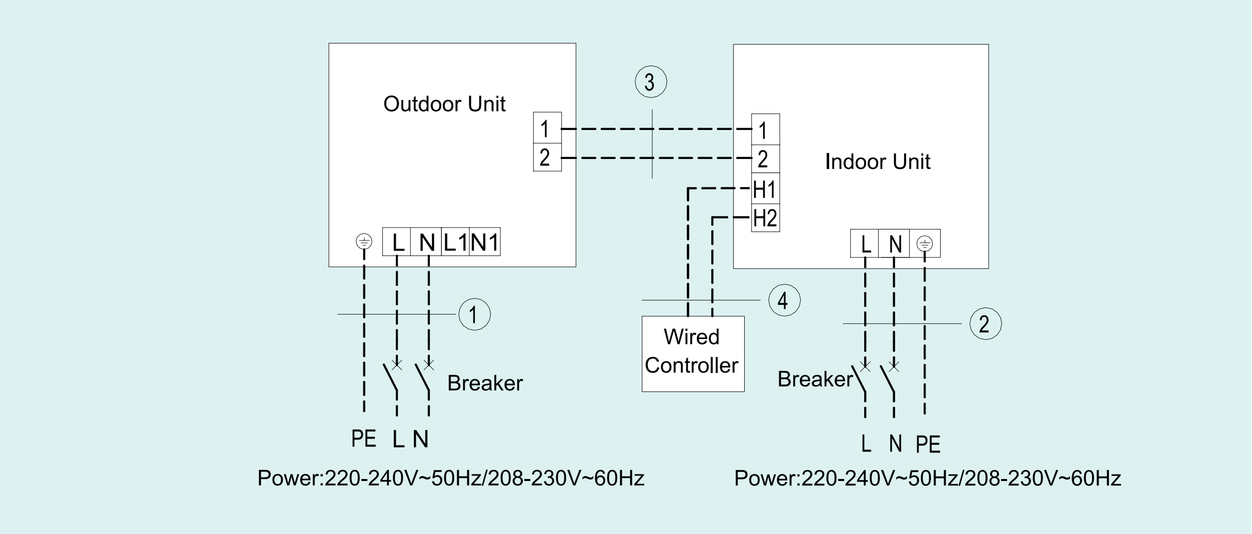


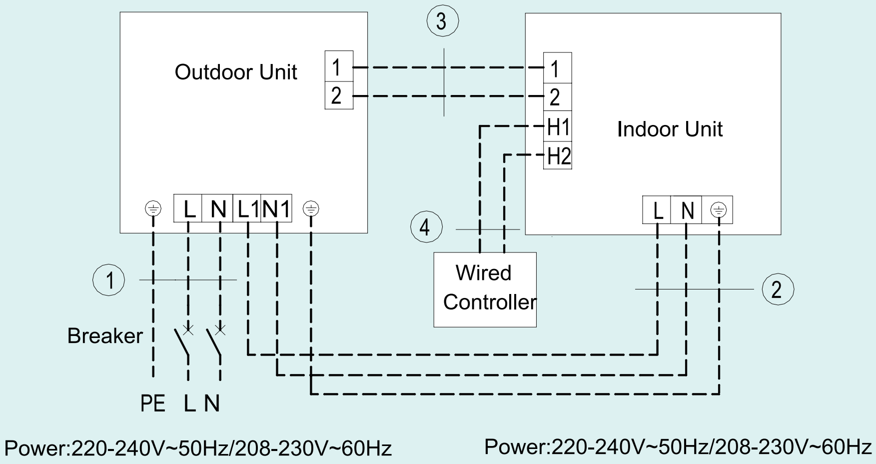


GUD160PH/A-T +GUD160W/NhA-X, GUD160PHS/A-T +GUD160W/NhA-X
1. Power cord 5×1.5mm²
2. Power cord 3×1.0mm²
3. Communication Cords 2×0.75mm²
4. Communication Cords 2×0.75mm²

11.2.3 Floor Ceiling Type

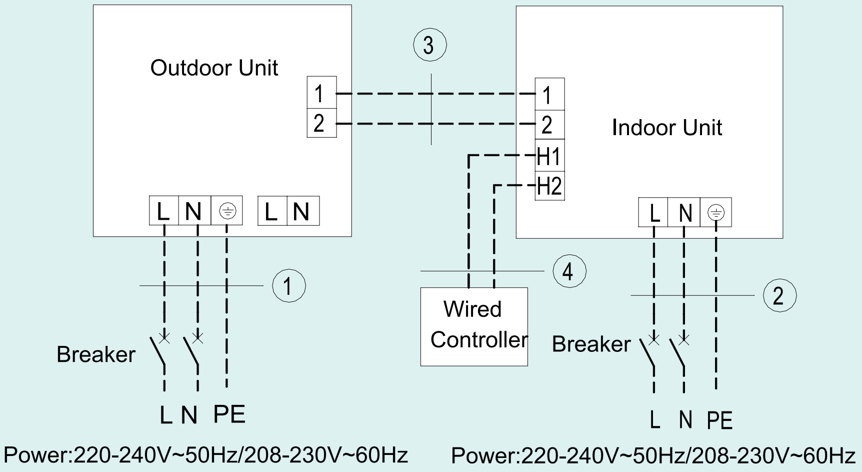
Single-phase unit : GUD35W/NhA-T, GUD50W/NhA-T, GUD71W/NhA-T, GUD85W/NhA-T

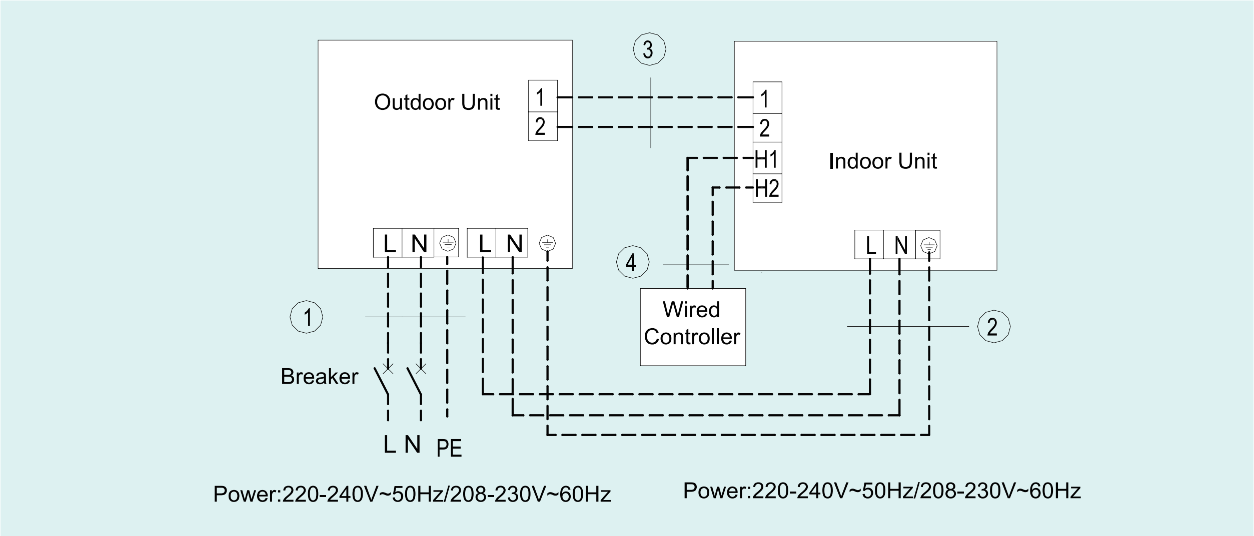




GUD35ZD/A-T+GUD35W/NhA-T
GUD50ZD/A-T+GUD50W/NhA-T
1. Power cord 3×1.5mm^2
2. Power cord 3×1.0mm^2
3. Communication Cords 2×0.75mm^2
4. Communication Cords 2×0.75mm^2
GUD71ZD/A-T+GUD71W/NhA-T
GUD85ZD/A-T+GUD85W/NhA-T
1. Power cord 3×2.5mm^2
2. Power cord 3×1.0mm^2
3. Communication Cords 2×0.75mm^2
4. Communication Cords 2×0.75mm^2

Single-phase unit : GUD100W/NhA-T, GUD125W/NhA-T, GUD140W/NhA-T

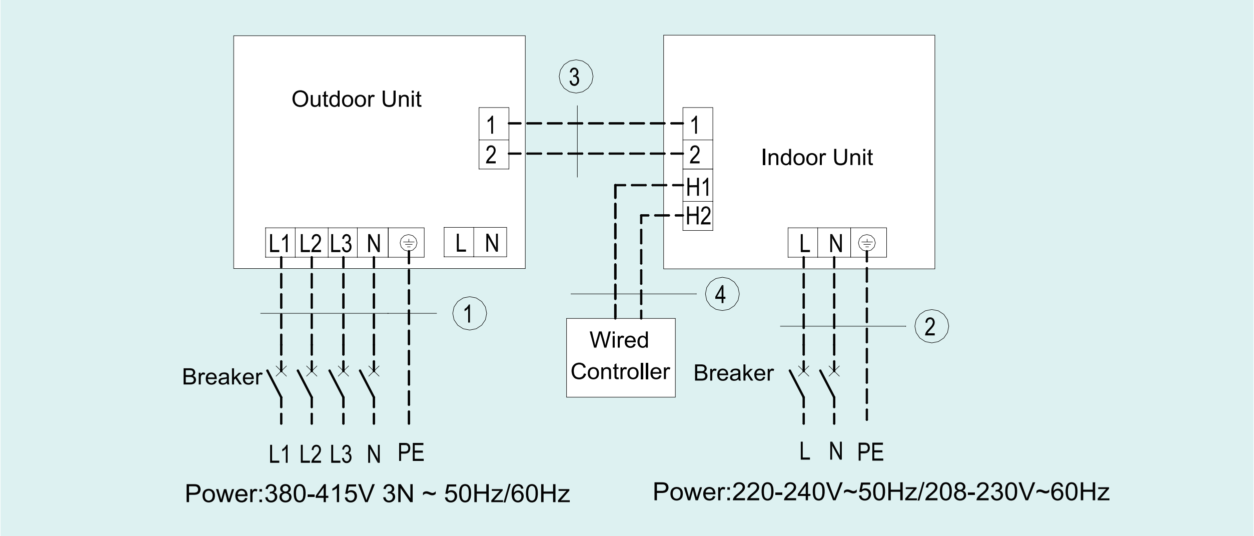


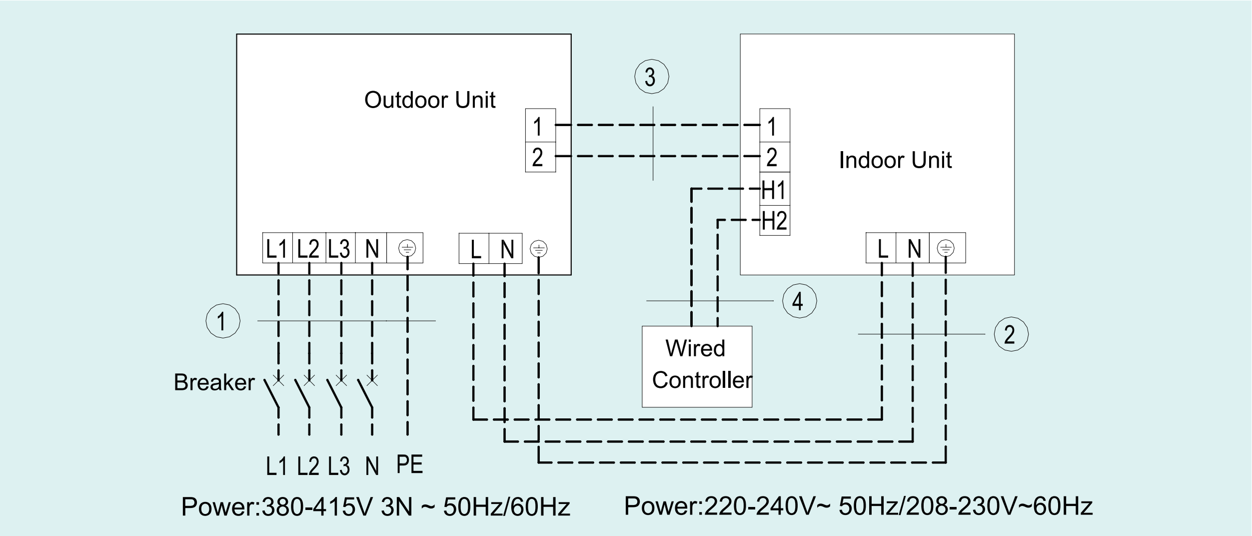


GUD100ZD/A-T+GUD100W/NhA-T
GUD125ZD/A-T+GUD125W/NhA-T
1. Power cord 3×4.0mm^2
2. Power cord 3×1.0mm^2
3. Communication Cords 2×0.75mm^2
4. Communication Cords 2×0.75mm^2

GUD140ZD/A-T+GUD140W/NhA-T
1. Power cord 3×6.0mm^2
2. Power cord 3×1.0mm^2
3. Communication Cords 2×0.75mm^2
4. Communication Cords 2×0.75mm^2

Three-phase unit:GUD100W/NhA-X, GUD125W/NhA-X, GUD140W/NhA-X, GUD160W/NhA-X.





GUD100ZD/A-T +GUD100W/NhA-X
GUD125ZD/A-T +GUD125W/NhA-X
GUD140ZD/A-T +GUD140W/NhA-X
GUD160ZD/A-T +GUD160W/NhA-X
1. Power cord 5×1.5mm²
2. Power cord 3×1.0mm²
3. Communication Cords 2×0.75mm²
4. Communication Cords 2×0.75mm²

12 LIST OF STANDARD AND OPTIONAL PARTS

	Cassette type	Duct type	Floor ceiling type
Wired Controller XK117 Product code：MC20700730	○	●	○
Wired Controller XK75 Product code：MC20700260	○	○	○
Remote Controller YAP1F6 Product code：305001060024	●	○	●
YAN1F1 Product code：30510474	○	○	○
YAA1FB6(WiFi) Product code：305001000078	○	○	○
WiFi Module(G-Cloud) Product code：MC20002050	○	○	○
Centralized Controller (up to 16 indoor unit）CE50-24/E Product code：MC207025	○	○	○
Centralized Controller (up to 36 indoor unit） Product code：MC207052	○	○	○
Modbus Gateway MG50-00/EG(M) Product code：MC20001860	○	○	○
Dry Contact Gateway (Extended Function Board) ME30-42/E1 Product code：NC20000020	○	○	○
Door Controller MK03 Product code：MC207022	○	○	○
the Communication Wire of Indoor Unit and Outdoor Unit	○	○	○
the Communication Wire of Indoor Unit and Wire Controller	○	○	○
Chassis Electric Heating Belt	○	○	○

Note: ● means standard, ○ means optional.

Gree reserves the right to modify the specifications without prior notice. Please confirm the final specifications with sales representatives.

SJ00498603

GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI 519070

Add: West Jinji Rd,Qianshan Zhuhai,Guangdong,China
Tel: (+86-756)8522218
Fax: (+86-756)8669426
E-mail: gree@gree.com.cn   www.gree.com