



Technical Sales Guide

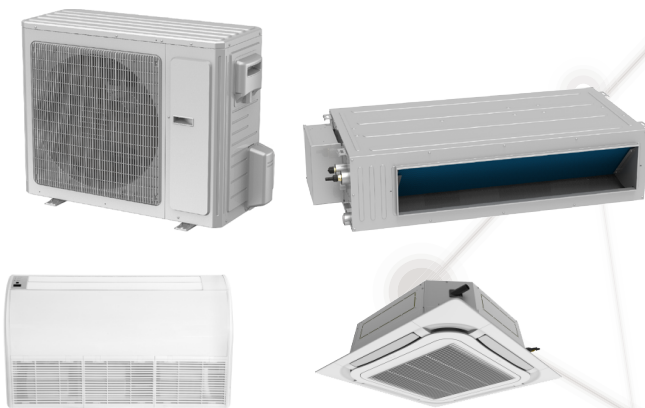
U-Match Air Conditioners

(GC201902-I)

TECHNICAL SALES GUIDE 50Hz

CAPACITY RANGE: 5.0-16kW

SUPER HIGH AMBIENT OPERATION TO 48°C



CONTENTS

1.PRODUCT LIST	1
2.NOMENCLATURE	4
3.PRODUCT FEATURES	5
4.PRODUCT PARAMETERS	9
5.PRODUCT OPERATION RANGE.....	15
6.CAPACITY CORRECTION	15
7.AIR VOLUME STATIC PRESSURE CURVE	39
8.AIRFLOW CHART	42
9.NOISE CURVE	65
10.DIMENSIONS AND INSTALLATION SITE.....	125
11.ELECTRICAL INSTALLATION	136
12.LIST OF STANDARD AND OPTIONAL PARTS	141

1 PRODUCT LIST

➔ 1.1 Outdoor Unit

Model	Power Supply	Finished Product Code	Appearance
	(V,Ph,Hz)		
GU50W/A1-K	220-240V ~50Hz	CF021W2630	
GU71W/A1-K		CF021W2620	
GU85W/A1-K		CF021W2650	
GU100W/A1-M	380-415V 3N~50Hz	CF021W2640	
GU125W/A1-M		CF021W2660	
GU140W/A1-M		CF021W2520	
GU160W/A1-M		CF021W2560	

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 (kW)	Rated Heating (kW)	Power Supply	Finished Product Code	Appearance
				(V,Ph,Hz)		
Cassette Type	GUD50T/A1-K	4.80	5.00	220-240V ~50Hz	ET010N1750	
	GU71T/A1-K	7.10	7.40		ET010N1760	
	GU85T/A1-K	8.30	9.20		ET010N1820	
	GU100T/A1-K	10.01	12.00		ET010N1770	
	GU125T/A1-K	12.00	14.80		ET010N1830	
	GU140T/A1-K	14.01	15.10		ET010N1590	
	GU160T/A1-K	15.00	17.40		ET010N1580	
Duct Type	GU50P/A1-K	4.75	4.90	220-240V ~50Hz	CF022N2330	
	GU71P/A1-K	7.00	7.40		CF022N2360	
	GU85P/A1-K	8.30	9.30		CF022N2400	
	GU100PH/A1-K	10.10	12.00		CF022N2320	
	GU125PH/A1-K	12.00	14.60		CF022N2380	
	GU140PH/A1-K	14.60	16.30		CF022N1950	
	GU160PH/A1-K	16.00	19.00		CF022N1920	

U-Match AIR CONDITIONERS TSG

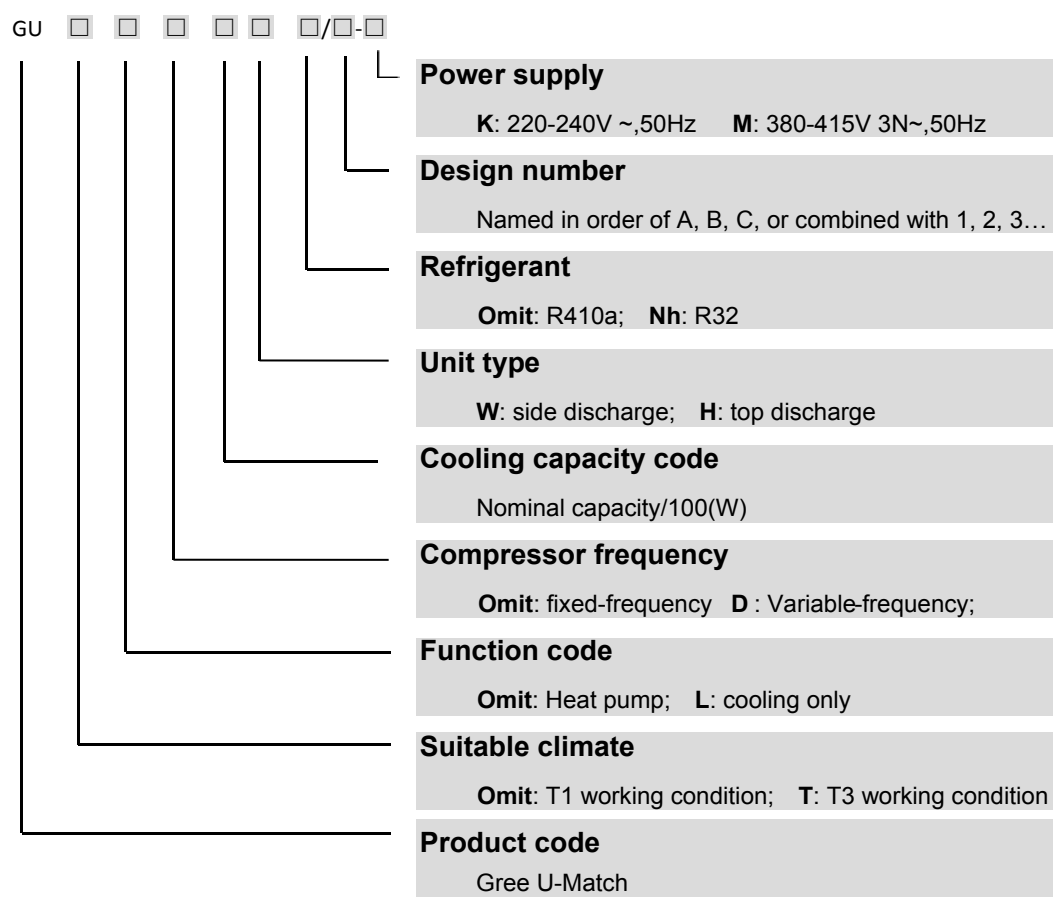
	Model	Rated Cooling (kW)	Rated Heating (kW)	Power Supply	Finished Product Code	Appearance
				(V,Ph,HZ)		
Duct Type(with pump)	GU50PS/A1-K	4.75	4.90	220-240V ~50Hz	CF022N2340	
	GU71PS/A1-K	7.00	7.40		CF022N2350	
	GU85PS/A1-K	8.30	9.30		CF022N2410	
	GU100PHS/A1-K	10.10	12.00		CF022N2370	
	GU125PHS/A1-K	12.00	14.60		CF022N2390	
	GU140PHS/A1-K	14.60	16.30		CF022N1940	
	GU160PHS/A1-K	16.00	19.00		CF022N1930	
Floor Ceiling Type	GU50ZD/A1-K	5.00	5.20	220-240V ~50Hz	ED020N2070	
	GU71ZD/A1-K	7.30	7.70		ED020N2080	
	GU85ZD/A1-K	8.60	9.30		ED020N2100	
	GU100ZD/A1-K	10.10	12.00		ED020N2090	
	GU125ZD/A1-K	12.00	14.50		ED020N2110	
	GU140ZD/A1-K	14.10	16.50		ED020N1880	
	GU160ZD/A1-K	15.80	19.10		ED020N1870	

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

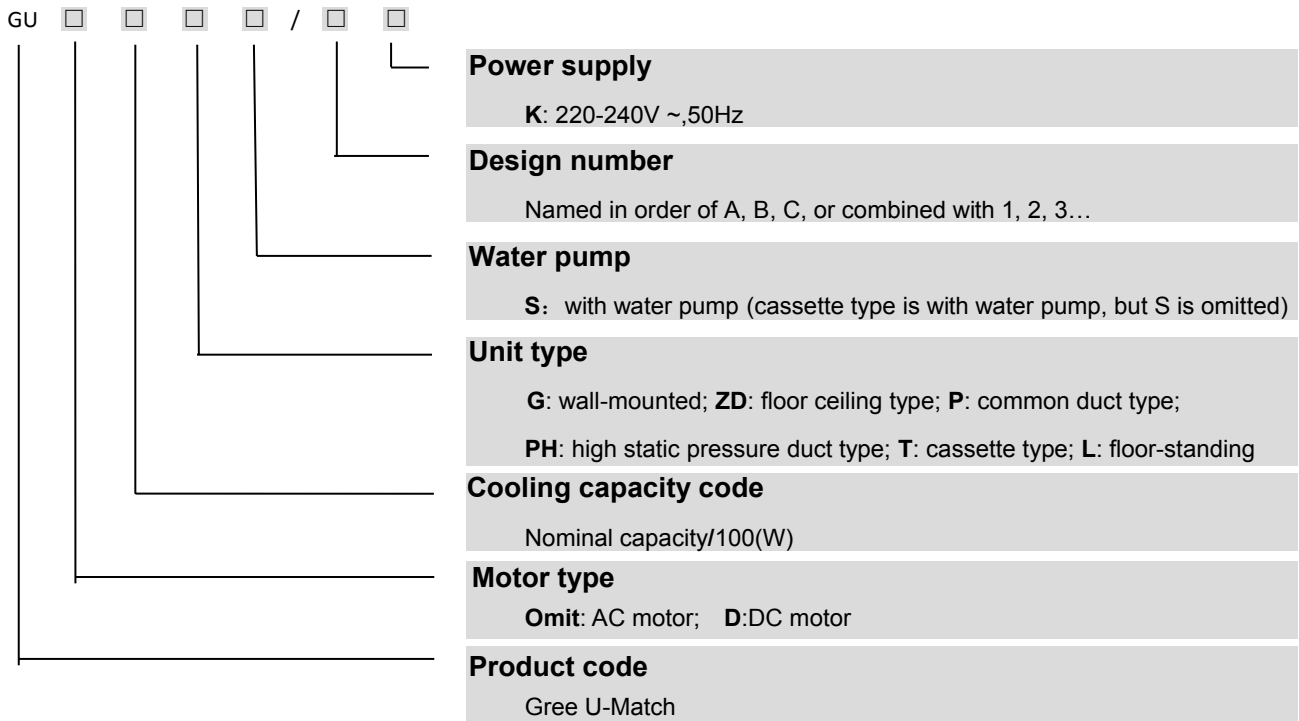
2.1 Nomenclature of Outdoor Unit

Basic structure of Outdoor Unit model designation.



➔ 2.2 Nomenclature of Indoor Unit

Basic structure of Indoor Unit model designation.



3 PRODUCT FEATURES

Gree R410A Condensing Unit Series Air Conditioners have combined the extraordinary comfort of the central air conditioners with the convenient installation and facility of the mini type of the split air conditioners. The casing of this unit is made of pre-painted steel, capable of resisting corrosion and rust creep and ensuring minimal fading when exposed to sunlight.

Gree R410A Condensing Unit Series Air Conditioning Units can offer the perfect combination of superior product quality, high operating efficiency and cost efficiency. The capacity rated according to ranges from 5 KW to 16 KW, which could be sufficient to different requirements from customers. All units are factory tested prior to dispatch to verify the operation performance and control functioning.

Gree R410A Condensing Unit Series Air Conditioning Units can be widely used in small supermarkets, chain stores, hotels, restaurants, offices and meeting room etc. especially fit for the small commercial and industrial application. The unit can set for cooling even when the outdoor ambient temperature drops to 18°C and thus an ideal for locations that require cooling even in winter.

The careful design from each part to the whole unit, together with the all-round process test and unit test, offers the high reliability for the whole system.

Perfect system protections can guarantee the safety of the system at utmost and get rid of the irreparable damage to the compressor or other critical parts under the harsh working conditions.

➔ 3.1 Features-Outdoor Unit Protections

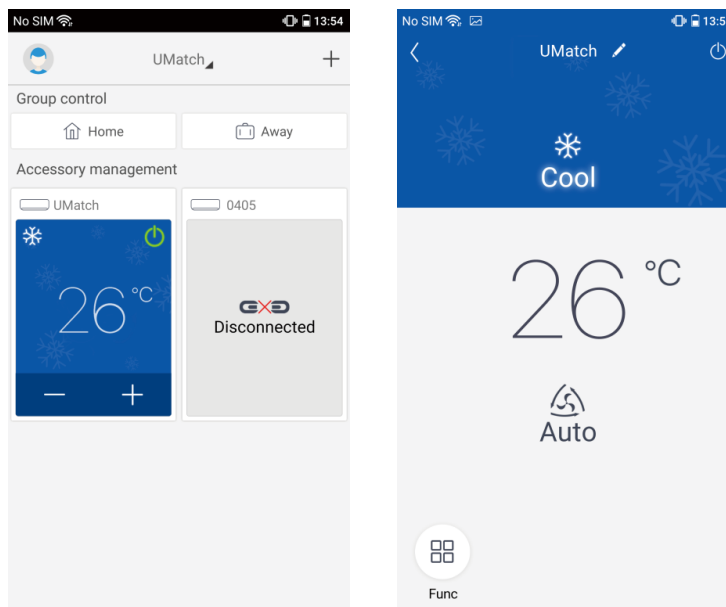
- ◆ High/low pressure protection
When suction pressure is too low or discharge pressure is too high, compressor will stop and unit display malfunction code.
- ◆ Overload protection
The compressor has its own overheat protection. Once the temperature of compressor is higher than allowable level, compressor will stop and only when temperature recovery, compressor restart.
- ◆ Discharge high temperature protection
Once the discharge temperature of compressor is higher than allowable value, compressor will stop and unit display malfunction code.
- ◆ Anti-freezing protection
When it is detected that the temperature of the evaporator is too low, the compressor will stop to protect the whole system.
- ◆ Communication malfunction
When the unit fails to perform the normal communication, it will stop to protect the whole system.

➔ 3.2 User-Friendly Design

- ◆ User can set room temperature in auto mode.
- ◆ 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.
- ◆ Ambient temperature check: user can check indoor ambient temperature, outdoor ambient temperature and the set temperature through wired controller or remote controller.

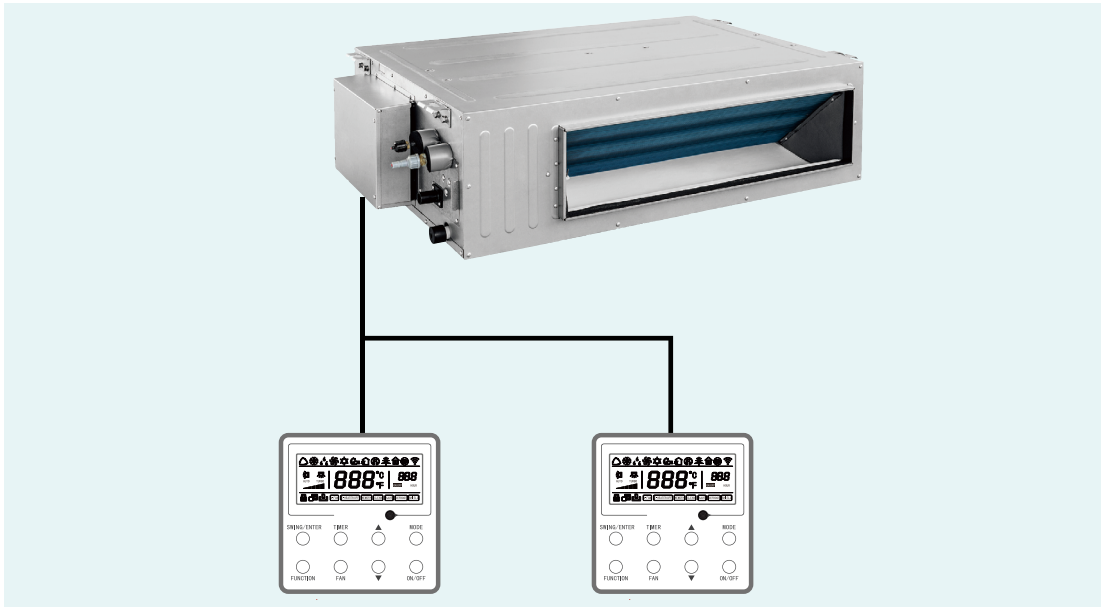
➔ 3.3 Smart Convenient Control

3.3.1 Smart APP Control(WiFi Module Needed-Optional)



3.3.2 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:



3.3.3 Centralized Control(Optional)

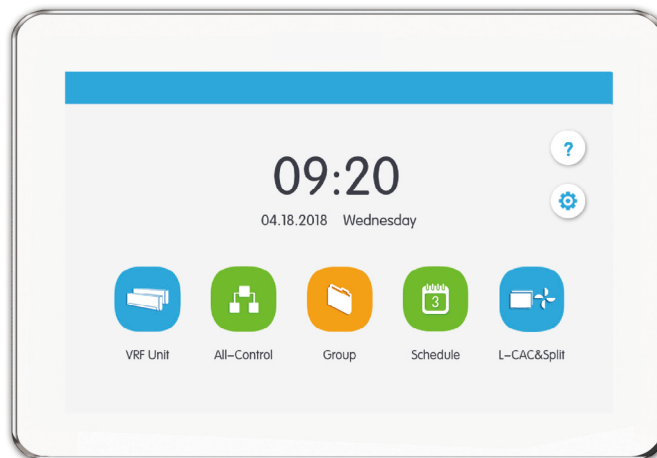
Model: CE52-24/F(C)

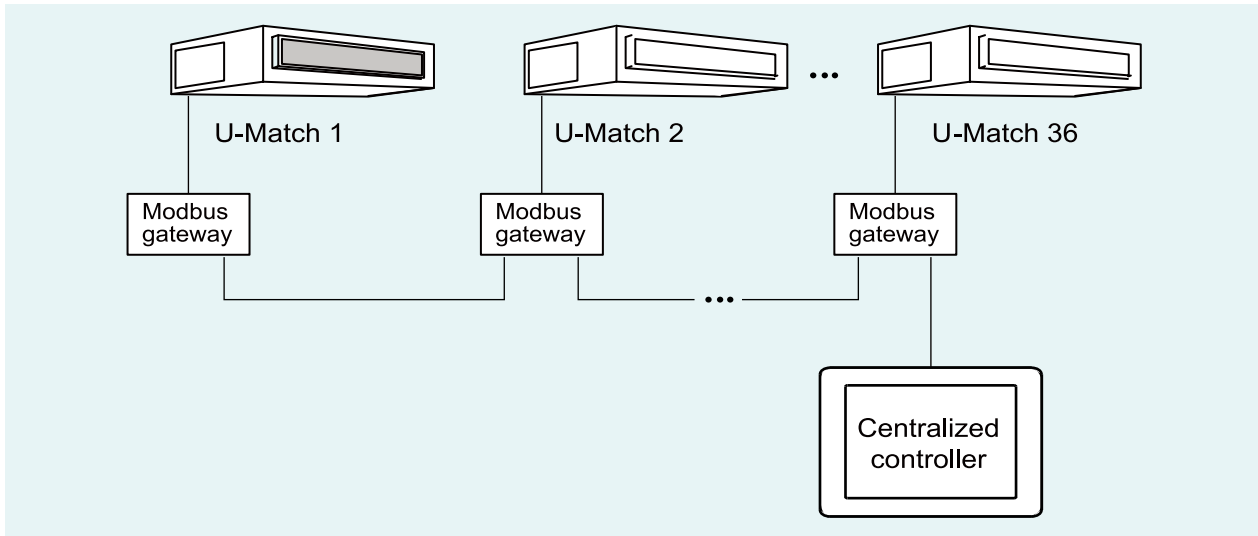
Dimension(H×W×D): 128.2mm × 185.2mm×54mm

Centralized control for up to 36 Indoor Units.

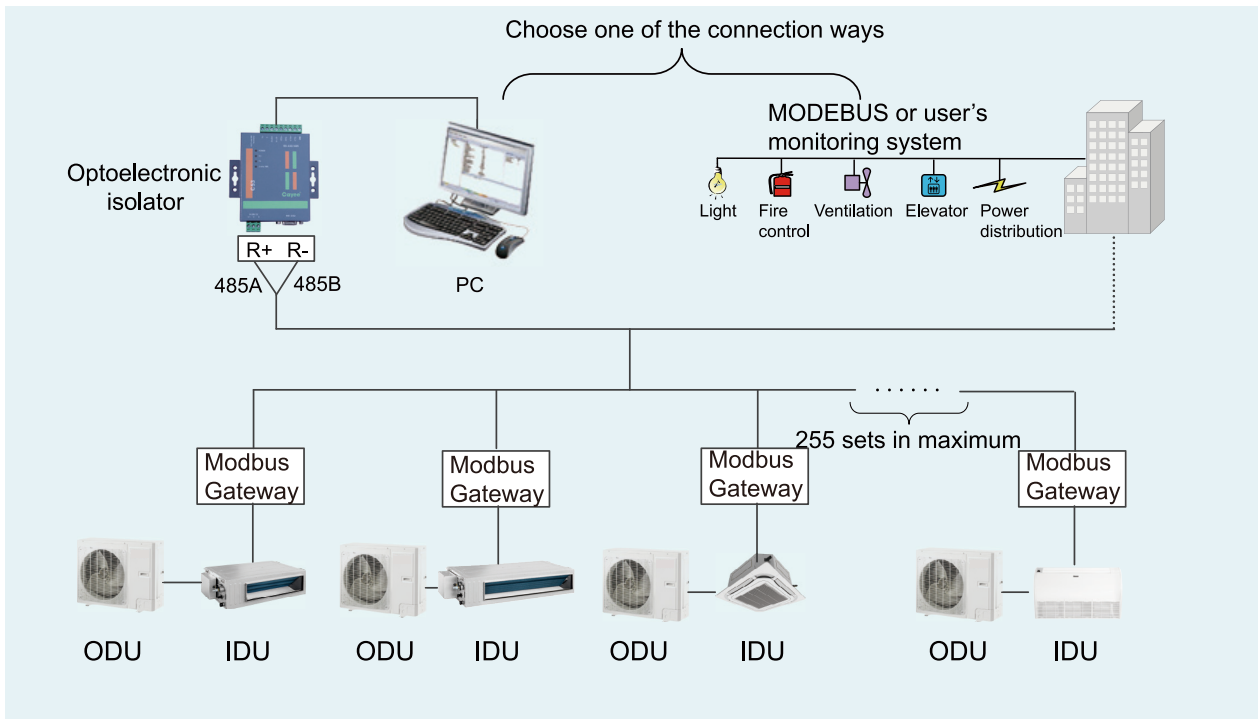
Basic control includes On/Off, mode, Fan Speed, temperature, etc.

Modbus gateway required.





3.3.4 MODBUS Interface (Optional)



4 PRODUCT PARAMETERS

4.1 Cassette Type

Model	Indoor Unit		GUD50T/A1-K	GU71T/A1-K	GU85T/A1-K
	Outdoor Unit		GU50W/A1-K	GU71W/A1-K	GU85W/A1-K
Capacity	Cooling Capacity	kW	4.80	7.10	8.30
	Heating Capacity	kW	5.00	7.40	9.20
Power Input	Cooling	kW	1.55	2.15	2.65
	Heating	kW	1.35	2.05	2.50
EER		W/W	3.10	3.30	3.13
COP		W/W	3.70	3.61	3.68
Indoor Unit			GUD50T/A1-K	GU71T/A1-K	GU85T/A1-K
Power Supply		—	220-240V ~50Hz		
Heat Exchange		—	Inner Groove Copper Tube-Aluminum Fin		
Fan	Drive	—	Direct	Direct	Direct
	Motor Output	W	35	35	35
	Air Flow	m ³ /h	700	1250	1250
Sound Pressure Level		dB(A)	44	46	46
Outline Dimensions (H×W×D)		mm	265×570×570	240×840×840	240×840×840
Net Weight		kg	17	30	30
Outdoor Unit			GU50W/A1-K	GU71W/A1-K	GU85W/A1-K
Power Supply		—	220-240V ~50Hz		
Heat Exchange		—	Inner Groove Copper Tube-Aluminum Fin		
Fan	Drive	—	Direct		
	Motor Output	W	35	85	85
Compressor	Type	—	Constant Speed Rotary		
	Power Input	W	1540	2060	2680
Refrigerant	Control	—	Electronic Expansion Valve		
	Charge	kg	1.20	1.90	1.80
Outline Dimensions (H×W×D)		mm	548×761×256	698×892×340	698×892×340
Net Weight		kg	39.0	59.0	61.0
Piping Connections	Liquid	Inch	Φ1/4"	Φ3/8"	Φ3/8"
	Gas	Inch	Φ1/2"	Φ5/8"	Φ5/8"
	Max. Length	m	30		
	Max. Height	m	15		

Model	Indoor Unit		GU100T/A1-K	GU125T/A1-K	GU140T/A1-K	GU160T/A1-K
	Outdoor Unit		GU100W/A1-M	GU125W/A1-M	GU140W/A1-M	GU160W/A1-M
Capacity	Cooling Capacity	kW	10.01	12.00	14.01	15.00
	Heating Capacity	kW	12.00	14.80	15.10	17.40
Power Input	Cooling	kW	3.25	4.20	4.50	5.30
	Heating	kW	3.20	4.20	4.30	5.60
EER		W/W	3.08	2.86	2.86	2.83
COP		W/W	3.75	3.52	3.38	3.11
Indoor Unit			GU100T/A1-K	GU125T/A1-K	GU140T/A1-K	GU160T/A1-K
Power Supply		—	220-240V ~50Hz			
Heat Exchange		—	Inner Groove Copper Tube-Aluminum Fin			
Fan	Drive	—	Direct			
	Motor Output	W	60	60	100	100
	Air Flow	m ³ /h	1600	1600	2000	2000
Sound Pressure Level		dB(A)	52	52	54	55
Outline Dimensions (H×W×D)		mm	240×840×840	240×840×840	290×840×840	290×840×840
Net Weight		kg	30	33	34	34
Outdoor Unit			GU100W/A1-M	GU125W/A1-M	GU140W/A1-M	GU160W/A1-M
Power Supply		—	380-415V 3N~50Hz			
Heat Exchange		—	Inner Groove Copper Tube-Aluminum Fin			
Fan	Drive	—	Direct			
	Motor Output	W	125	150	150	150
Compressor	Type	—	Constant Speed Rotary			
	Power Input	W	3350	4210	4040	4900
Refrigerant	Control	—	Electronic Expansion Valve			
	Charge	kg	2.10	2.85	3.30	4.20
Outline Dimensions (H×W×D)		mm	790×920×370	820×940×460	820×940×460	820×940×460
Net Weight		kg	70	97	97	103
Piping Connections	Liquid	Inch	Φ3/8"			
	Gas	Inch	Φ5/8"			
	Max. Length	m	30	50	50	50
	Max. Height	m	20	30	30	30

 4.2 Duct Type

Model	Indoor Unit		GU50P/A1-K GU50PS/A1-K	GU71P/A1-K GU71PS/A1-K	GU85P/A1-K GU85PS/A1-K
	Outdoor Unit		GU50W/A1-K	GU71W/A1-K	GU85W/A1-K
Capacity	Cooling Capacity	kW	4.75	7.00	8.30
	Heating Capacity	kW	4.90	7.40	9.30
Power Input	Cooling	kW	1.60	2.15	2.70
	Heating	kW	1.40	1.95	2.60
EER		W/W	2.97	3.26	3.07
COP		W/W	3.50	3.79	3.58
Indoor Unit			GU50P/A1-K GU50PS/A1-K	GU71P/A1-K GU71PS/A1-K	GU85P/A1-K GU85PS/A1-K
Power Supply		—	220-240V ~50Hz		
Heat Exchange		—	Inner Groove Copper Tube-Aluminum Fin		
Fan	Drive	—	Direct	Direct	Direct
	Motor Output	kW	40	60	60
	Air Flow	m ³ /h	650	1150	1250
Sound Pressure Level		dB(A)	35	37	40
Outline Dimensions (H×W×D)		mm	200×1000×450	220×1300×450	220×1300×450
Net Weight		kg	25.0	32.0	32.0
Outdoor Unit			GU50W/A1-K	GU71W/A1-K	GU85W/A1-K
Power Supply		—	220-240V ~50Hz		
Heat Exchange		—	Inner Groove Copper Tube-Aluminum Fin		
Fan	Drive	—	Direct		
	Motor Output	W	35	85	85
Compressor	Type	—	Constant Speed Rotary		
	Power Input	W	1540	2060	2680
Refrigerant	Control	—	Electronic Expansion Valve		
	Charge	kg	1.20	1.90	1.80
Outline Dimensions (H×W×D)		mm	548×761×256	698×892×340	698×892×340
Net Weight		kg	39.0	59.0	61.0
Piping Connections	Liquid	Inch	Φ1/4"	Φ3/8"	Φ3/8"
	Gas	Inch	Φ1/2"	Φ5/8"	Φ5/8"
	Max. Length	m	30	30	30
	Max. Height	m	15	15	15

Model	Indoor Unit		GU100PH/A1-K GU100PHS/A1-K	GU125PH/A1-K GU125PHS/A1-K	GU140PH/A1-K GU140PHS/A1-K	GU160PH/A1-K GU160PHS/A1-K
	Outdoor Unit		GU100W/A1-M	GU125W/A1-M	GU140W/A1-M	GU160W/A1-M
Capacity	Cooling Capacity	kW	10.10	12.00	14.60	16.00
	Heating Capacity	kW	12.00	14.60	16.30	19.00
Power Input	Cooling	kW	3.20	4.35	4.50	5.50
	Heating	kW	3.20	4.60	4.30	5.40
EER		W/W	3.16	2.76	3.24	2.91
COP		W/W	3.75	3.17	3.79	3.52
Indoor Unit			GU100PH/A1-K GU100PHS/A1-K	GU125PH/A1-K GU125PHS/A1-K	GU140PH/A1-K GU140PHS/A1-K	GU160PH/A1-K GU160PHS/A1-K
Power Supply		—	220-240V ~50Hz			
Heat Exchange		—	Inner Groove Copper Tube-Aluminum Fin			
Fan	Drive	—	Direct			
	Motor Output	W	210	210	350	350
	Air Flow	m ³ /h	1650	1700	2200	2600
Sound Pressure Level		dB(A)	44	44	45	47
Outline Dimensions (H×W×D)		mm	300×1000×700	300×1000×700	300×1400×700	300×1400×700
Net Weight (without water pump)		kg	40	41	52	54
Net Weight(with water pump)		kg	40	42	53	55
Outdoor Unit			GU100W/A1-M	GU125W/A1-M	GU140W/A1-M	GU160W/A1-M
Power Supply		—	380-415V 3N~50Hz			
Heat Exchange		—	Inner Groove Copper Tube-Aluminum Fin			
Fan	Drive	—	Direct			
	Motor Output	W	125	150	150	150
Compressor	Type	—	Constant Speed Rotary			
	Power Input	W	3350	4210	4040	4900
Refrigerant	Control	—	Electronic Expansion Valve			
	Charge	kg	2.10	2.85	3.30	4.20
Outline Dimensions (H×W×D)		mm	790×920×370	820×940×460	820×940×460	820×940×460
Net Weight		kg	70	97	97	103
Piping Connections	Liquid	Inch	Φ3/8"			
	Gas	Inch	Φ5/8"			
	Max. Length	m	30	50	50	50
	Max. Height	m	20	30	30	30



4.3 Floor Ceiling Type

Model	Indoor Unit		GU50ZD/A1-K	GU71ZD/A1-K	GU85ZD/A1-K
	Outdoor Unit		GU50W/A1-K	GU71W/A1-K	GU85W/A1-K
Capacity	Cooling Capacity	kW	5.00	7.30	8.60
	Heating Capacity	kW	5.20	7.70	9.30
Power Input	Cooling	kW	1.65	2.25	2.75
	Heating	kW	1.45	2.20	2.80
EER		W/W	3.03	3.24	3.13
COP		W/W	3.59	3.50	3.32
Indoor Unit			GU50ZD/A1-K	GU71ZD/A1-K	GU85ZD/A1-K
Power Supply		—	220-240V ~50Hz		
Heat Exchange		—	Inner Groove Copper Tube-Aluminum Fin		
Fan	Drive	—	Direct		
	Motor Output	W	15	20	20
	Air Flow	m ³ /h	700	1400	1500
Sound Pressure Level		dB(A)	41	47	49
Outline Dimensions (H×W×D)		mm	235×870×665	235×1200×665	235×1200×665
Net Weight		kg	25	33	33
Outdoor Unit			GU50W/A1-K	GU71W/A1-K	GU85W/A1-K
Power Supply		—	220-240V ~50Hz		
Heat Exchange		—	Inner Groove Copper Tube-Aluminum Fin		
Fan	Drive	—	Direct		
	Motor Output	W	35	85	100
Compressor	Type	—	Constant Speed Rotary		
	Power Input	W	1540	2060	2680
Refrigerant	Control	—	Electronic Expansion Valve		
	Charge	kg	1.20	1.90	1.80
Outline Dimensions (H×W×D)		mm	548×761×256	698×892×340	698×892×340
Net Weight		kg	39	59	61
Piping Connections	Liquid	Inch	Φ1/4"	Φ3/8"	Φ3/8"
	Gas	Inch	Φ1/2"	Φ5/8"	Φ5/8"
	Max. Length	m	30	30	30
	Max. Height	m	15	15	15

Model	Indoor Unit		GU100ZD/A1-K	GU125ZD/A1-K	GU140ZD/A1-K	GU160ZD/A1-K
	Outdoor Unit		GU100W/A1-M	GU125W/A1-M	GU140W/A1-M	GU160W/A1-M
Capacity	Cooling Capacity	kW	10.10	12.00	14.10	15.80
	Heating Capacity	kW	12.00	14.50	16.50	19.10
Power Input	Cooling	kW	3.20	4.20	4.50	5.50
	Heating	kW	3.40	4.45	4.30	5.40
EER		W/W	3.16	2.86	3.13	2.88
COP		W/W	3.53	3.26	3.75	3.54
Indoor Unit			GU100ZD/A1-K	GU125ZD/A1-K	GU140ZD/A1-K	GU160ZD/A1-K
Power Supply		—	220-240V ~50Hz			
Heat Exchange		—	Inner Groove Copper Tube-Aluminum Fin			
Fan	Drive	—	Direct			
	Motor Output	kW	100	100	180	180
	Air Flow	m ³ /h	1700	1700	2200	2500
Sound Pressure Level		dB(A)	51	52	54	54
Outline Dimensions (H×W×D)		mm	235×1200×665	235×1200×665	235×1570×665	235×1570×665
Net Weight		kg	36	37	43	45
Outdoor Unit			GU100W/A1-M	GU125W/A1-M	GU140W/A1-M	GU160W/A1-M
Power Supply		—	380-415V 3N~50Hz			
Heat Exchange		—	Inner Groove Copper Tube-Aluminum Fin			
Fan	Drive	—	Direct			
	Motor Output	kW	125	150	150	150
Compressor	Type	—	Constant Speed Rotary			
	Power Input	W	3350	4210	4040	4900
Refrigerant	Control	—	Electronic Expansion Valve			
	Charge	kg	2.10	2.85	3.30	4.20
Outline Dimensions (H×W×D)		mm	790×920×370	820×940×460	820×940×460	820×940×460
Net Weight		kg	70	97	97	103
Piping Connections	Liquid	Inch	Φ3/8"			
	Gas	Inch	Φ5/8"			
	Max. Length	m	30	50	50	50
	Max. Height	m	20	30	30	30

1. Product design conforms to EN14511 standards.
2. Air Volume was measured under applicable standard static pressure.
3. The above test results were all completed by using the power supply 230V,50Hz. Different power supplies may result in deviation.
4. 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)	-15~48	-15~24
Indoor Temperature DB/WB(°C) (Maximum)	32/23	27/-

6 CAPACITY CORRECTION

6.1 Table of Performance Correction

6.1.1 Cassette Type

GUD50T/A1-K

Fan Speed	Indoor Air Temperature(°C)		Outdoor Dry Bulb Temperature °C														
			20			25			30			35			40		
	DB	WB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
Turbo	20	14	3.51	2.91	1.17	3.32	2.75	1.37	3.17	2.68	1.47	4.40	2.68	1.55	4.40	2.62	1.67
	23	16	4.27	3.41	1.17	4.04	3.23	1.37	3.85	3.15	1.47	4.59	3.15	1.55	4.59	3.07	1.67
	26	18	4.83	3.72	1.17	4.57	3.53	1.37	4.36	3.44	1.47	4.73	3.44	1.55	4.73	3.35	1.67
	27	19	5.40	3.98	1.17	5.11	3.76	1.37	4.88	3.67	1.47	4.80	3.67	1.55	4.61	3.58	1.67
	30	22	5.56	4.15	1.17	5.27	3.93	1.37	5.02	3.83	1.47	4.94	3.83	1.55	4.75	3.73	1.67
	32	24	5.67	4.33	1.17	5.37	4.10	1.37	5.12	4.00	1.47	5.04	4.00	1.55	4.84	3.90	1.67
H	20	14	3.40	2.82	1.13	3.22	2.67	1.33	3.07	2.60	1.42	4.27	2.60	1.50	4.27	2.54	1.62
	23	16	4.14	3.31	1.13	3.92	3.13	1.33	3.74	3.05	1.42	4.45	3.05	1.50	4.45	2.98	1.62
	26	18	4.68	3.61	1.13	4.43	3.42	1.33	4.23	3.33	1.42	4.59	3.33	1.50	4.59	3.25	1.62
	27	19	5.24	3.86	1.13	4.96	3.65	1.33	4.73	3.56	1.42	4.66	3.56	1.50	4.47	3.47	1.62
	30	22	5.40	4.02	1.13	5.11	3.81	1.33	4.87	3.71	1.42	4.80	3.71	1.50	4.60	3.62	1.62
	32	24	5.50	4.20	1.13	5.21	3.98	1.33	4.97	3.88	1.42	4.89	3.88	1.50	4.69	3.78	1.62
M	20	14	3.23	2.67	1.08	3.05	2.53	1.26	2.91	2.47	1.35	4.05	2.47	1.43	4.05	2.41	1.54
	23	16	3.93	3.14	1.08	3.72	2.97	1.26	3.55	2.90	1.35	4.22	2.90	1.43	4.22	2.82	1.54
	26	18	4.44	3.43	1.08	4.20	3.24	1.26	4.01	3.16	1.35	4.35	3.16	1.43	4.35	3.08	1.54
	27	19	4.97	3.66	1.08	4.70	3.46	1.26	4.49	3.38	1.35	4.42	3.38	1.43	4.24	3.29	1.54
	30	22	5.12	3.81	1.08	4.85	3.61	1.26	4.62	3.52	1.35	4.55	3.52	1.43	4.37	3.43	1.54
	32	24	5.21	3.99	1.08	4.94	3.77	1.26	4.71	3.68	1.35	4.63	3.68	1.43	4.45	3.59	1.54

Fan Speed	Indoor Air Temperature(°C)		Outdoor Dry Bulb Temperature °C														
			20			25			30			35			40		
	DB	WB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
L	20	14	3.16	2.62	1.05	2.99	2.48	1.23	2.85	2.41	1.32	3.96	2.41	1.40	3.96	2.35	1.51
	23	16	3.84	3.07	1.05	3.64	2.91	1.23	3.47	2.83	1.32	4.13	2.83	1.40	4.13	2.76	1.51
	26	18	4.34	3.35	1.05	4.11	3.17	1.23	3.92	3.09	1.32	4.26	3.09	1.40	4.26	3.02	1.51
	27	19	4.86	3.58	1.05	4.60	3.39	1.23	4.39	3.30	1.32	4.32	3.30	1.40	4.15	3.22	1.51
	30	22	5.01	3.73	1.05	4.74	3.53	1.23	4.52	3.44	1.32	4.45	3.44	1.40	4.27	3.36	1.51
	32	24	5.10	3.90	1.05	4.83	3.69	1.23	4.61	3.60	1.32	4.53	3.60	1.40	4.35	3.51	1.51

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	Equivalent Piping Length
Indoor:27°C/19°C Outdoor:35°C	5m

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

GU71T/A1-K

Fan Speed	Indoor Air Temperature(°C)		Outdoor Dry Bulb Temperature °C														
			20			25			30			35			40		
	DB	WB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
Turbo	20	14	5.19	4.42	1.62	4.91	4.18	1.90	4.68	4.08	2.04	6.51	4.08	2.15	6.51	3.98	2.32
	23	16	6.31	5.18	1.62	5.98	4.91	1.90	5.70	4.79	2.04	6.78	4.79	2.15	6.78	4.66	2.32
	26	18	7.14	5.66	1.62	6.76	5.36	1.90	6.45	5.23	2.04	6.99	5.23	2.15	6.99	5.09	2.32
	27	19	7.99	6.05	1.62	7.56	5.72	1.90	7.22	5.58	2.04	7.10	5.58	2.15	6.82	5.44	2.32
	30	22	8.23	6.30	1.62	7.79	5.97	1.90	7.43	5.82	2.04	7.31	5.82	2.15	7.02	5.67	2.32
	32	24	8.38	6.59	1.62	7.94	6.24	1.90	7.57	6.08	2.04	7.45	6.08	2.15	7.15	5.93	2.32
H	20	14	5.03	4.29	1.57	4.76	4.06	1.84	4.54	3.96	1.98	6.32	3.96	2.09	6.32	3.86	2.25
	23	16	6.12	5.03	1.57	5.80	4.76	1.84	5.53	4.64	1.98	6.58	4.64	2.09	6.58	4.52	2.25
	26	18	6.92	5.49	1.57	6.56	5.20	1.84	6.25	5.07	1.98	6.78	5.07	2.09	6.78	4.94	2.25
	27	19	7.75	5.86	1.57	7.34	5.55	1.84	7.00	5.41	1.98	6.89	5.41	2.09	6.61	5.28	2.25
	30	22	7.98	6.11	1.57	7.56	5.79	1.84	7.21	5.64	1.98	7.09	5.64	2.09	6.81	5.50	2.25
	32	24	8.13	6.39	1.57	7.70	6.05	1.84	7.35	5.90	1.98	7.23	5.90	2.09	6.94	5.75	2.25
M	20	14	4.77	4.07	1.49	4.52	3.85	1.75	4.31	3.75	1.87	5.99	3.75	1.98	5.99	3.66	2.14
	23	16	5.81	4.77	1.49	5.50	4.52	1.75	5.25	4.40	1.87	6.24	4.40	1.98	6.24	4.29	2.14
	26	18	6.57	5.21	1.49	6.22	4.93	1.75	5.93	4.81	1.87	6.43	4.81	1.98	6.43	4.69	2.14
	27	19	7.35	5.56	1.49	6.96	5.27	1.75	6.64	5.13	1.87	6.53	5.13	1.98	6.27	5.00	2.14
	30	22	7.57	5.80	1.49	7.17	5.49	1.75	6.84	5.35	1.87	6.73	5.35	1.98	6.46	5.22	2.14
	32	24	7.71	6.06	1.49	7.30	5.74	1.75	6.97	5.59	1.87	6.86	5.59	1.98	6.58	5.45	2.14

U-Match AIR CONDITIONERS TSG

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	4.67	3.98	1.46	4.42	3.77	1.71	4.22	3.67	1.83	5.86	3.67	1.94	5.86	3.58	2.09
	23	16	5.68	4.67	1.46	5.38	4.42	1.71	5.13	4.31	1.83	6.11	4.31	1.94	6.11	4.20	2.09
	26	18	6.42	5.10	1.46	6.08	4.83	1.71	5.80	4.70	1.83	6.29	4.70	1.94	6.29	4.59	2.09
	27	19	7.19	5.44	1.46	6.81	5.15	1.71	6.49	5.02	1.83	6.39	5.02	1.94	6.13	4.90	2.09
	30	22	7.40	5.67	1.46	7.01	5.37	1.71	6.69	5.24	1.83	6.58	5.24	1.94	6.32	5.10	2.09
	32	24	7.55	5.93	1.46	7.14	5.61	1.71	6.82	5.47	1.83	6.71	5.47	1.94	6.44	5.33	2.09

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	Equivalent Piping Length
Indoor:27°C/19°C Outdoor:35°C	5m

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

GU85T/A1-K

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	6.06	5.20	2.00	5.74	4.93	2.34	5.48	4.80	2.51	7.61	4.80	2.65	7.61	4.68	2.86
	23	16	7.38	6.10	2.00	6.99	5.78	2.34	6.67	5.63	2.51	7.93	5.63	2.65	7.93	5.49	2.86
	26	18	8.34	6.67	2.00	7.90	6.31	2.34	7.54	6.15	2.51	8.18	6.15	2.65	8.18	6.00	2.86
	27	19	9.34	7.12	2.00	8.84	6.74	2.34	8.44	6.57	2.51	8.3	6.57	2.65	7.97	6.40	2.86
	30	22	9.62	7.42	2.00	9.11	7.03	2.34	8.69	6.85	2.51	8.55	6.85	2.65	8.21	6.68	2.86
	32	24	9.80	7.76	2.00	9.28	7.34	2.34	8.85	7.16	2.51	8.71	7.16	2.65	8.36	6.98	2.86
H	20	14	5.88	5.05	1.94	5.57	4.78	2.27	5.31	4.66	2.44	7.38	4.66	2.57	7.38	4.54	2.78
	23	16	7.16	5.92	1.94	6.78	5.61	2.27	6.47	5.46	2.44	7.69	5.46	2.57	7.69	5.33	2.78
	26	18	8.09	6.47	1.94	7.66	6.12	2.27	7.31	5.97	2.44	7.93	5.97	2.57	7.93	5.82	2.78
	27	19	9.06	6.90	1.94	8.58	6.54	2.27	8.18	6.37	2.44	8.05	6.37	2.57	7.73	6.21	2.78
	30	22	9.33	7.20	1.94	8.83	6.82	2.27	8.43	6.65	2.44	8.29	6.65	2.57	7.96	6.48	2.78
	32	24	9.51	7.52	1.94	9.00	7.12	2.27	8.59	6.94	2.44	8.45	6.94	2.57	8.11	6.77	2.78
M	20	14	5.58	4.79	1.84	5.28	4.53	2.15	5.04	4.42	2.31	7.00	4.42	2.44	7.00	4.31	2.63
	23	16	6.79	5.62	1.84	6.43	5.32	2.15	6.13	5.18	2.31	7.30	5.18	2.44	7.30	5.05	2.63
	26	18	7.68	6.13	1.84	7.27	5.81	2.15	6.94	5.66	2.31	7.52	5.66	2.44	7.52	5.52	2.63
	27	19	8.59	6.55	1.84	8.13	6.20	2.15	7.76	6.04	2.31	7.64	6.04	2.44	7.33	5.89	2.63
	30	22	8.85	6.83	1.84	8.38	6.47	2.15	7.99	6.30	2.31	7.87	6.30	2.44	7.55	6.14	2.63
	32	24	9.02	7.14	1.84	8.54	6.76	2.15	8.15	6.59	2.31	8.01	6.59	2.44	7.69	6.42	2.63

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	5.46	4.68	1.80	5.17	4.43	2.10	4.93	4.32	2.26	6.85	4.32	2.39	6.85	4.21	2.58
	23	16	6.64	5.49	1.80	6.29	5.20	2.10	6.00	5.07	2.26	7.14	5.07	2.39	7.14	4.94	2.58
	26	18	7.51	6.00	1.80	7.11	5.68	2.10	6.78	5.54	2.26	7.36	5.54	2.39	7.36	5.40	2.58
	27	19	8.40	6.41	1.80	7.96	6.07	2.10	7.59	5.91	2.26	7.47	5.91	2.39	7.17	5.76	2.58
	30	22	8.66	6.68	1.80	8.20	6.32	2.10	7.82	6.17	2.26	7.69	6.17	2.39	7.39	6.01	2.58
	32	24	8.82	6.98	1.80	8.35	6.61	2.10	7.97	6.44	2.26	7.84	6.44	2.39	7.53	6.28	2.58

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	Equivalent Piping Length
Indoor:27°C/19°C Outdoor:35°C	5m

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

GU100T/A1-K

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	7.31	6.13	2.41	6.92	5.80	2.82	6.61	5.66	3.03	9.18	5.66	3.20	9.18	5.52	3.46
	23	16	8.90	7.19	2.41	8.43	6.81	2.82	8.04	6.64	3.03	9.56	6.64	3.20	9.56	6.47	3.46
	26	18	10.06	7.85	2.41	9.53	7.44	2.82	9.09	7.25	3.03	9.86	7.25	3.20	9.86	7.07	3.46
	27	19	11.26	8.39	2.41	10.66	7.94	2.82	10.17	7.74	3.03	10.01	7.74	3.20	9.61	7.54	3.46
	30	22	11.60	8.74	2.41	10.98	8.28	2.82	10.48	8.07	3.03	10.31	8.07	3.20	9.90	7.87	3.46
	32	24	11.82	9.14	2.41	11.19	8.65	2.82	10.68	8.43	3.03	10.51	8.43	3.20	10.09	8.22	3.46
H	20	14	7.09	5.95	2.34	6.72	5.63	2.74	6.41	5.49	2.94	8.91	5.49	3.10	8.91	5.35	3.35
	23	16	8.63	6.97	2.34	8.17	6.60	2.74	7.80	6.44	2.94	9.28	6.44	3.10	9.28	6.28	3.35
	26	18	9.76	7.62	2.34	9.24	7.21	2.74	8.82	7.03	2.94	9.56	7.03	3.10	9.56	6.85	3.35
	27	19	10.92	8.13	2.34	10.34	7.70	2.74	9.87	7.51	2.94	9.71	7.51	3.10	9.32	7.32	3.35
	30	22	11.25	8.48	2.34	10.65	8.03	2.74	10.16	7.83	2.94	10.00	7.83	3.10	9.60	7.63	3.35
	32	24	11.46	8.86	2.34	10.86	8.39	2.74	10.36	8.18	2.94	10.19	8.18	3.10	9.78	7.97	3.35
M	20	14	6.73	5.64	2.22	6.37	5.34	2.60	6.08	5.21	2.79	8.45	5.21	2.94	8.45	5.07	3.18
	23	16	8.19	6.62	2.22	7.75	6.26	2.60	7.40	6.11	2.79	8.80	6.11	2.94	8.80	5.95	3.18
	26	18	9.26	7.23	2.22	8.77	6.84	2.60	8.36	6.67	2.79	9.07	6.67	2.94	9.07	6.50	3.18
	27	19	10.36	7.71	2.22	9.81	7.30	2.60	9.36	7.12	2.79	9.21	7.12	2.94	8.84	6.94	3.18
	30	22	10.67	8.04	2.22	10.10	7.62	2.60	9.64	7.43	2.79	9.49	7.43	2.94	9.11	7.24	3.18
	32	24	10.87	8.41	2.22	10.30	7.96	2.60	9.82	7.76	2.79	9.67	7.76	2.94	9.28	7.56	3.18

U-Match AIR CONDITIONERS TSG

Fan Speed	Indoor Air Temperature(°C)		Outdoor Dry Bulb Temperature °C														
			20			25			30			35			40		
	DB	WB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
L	20	14	6.58	5.52	2.17	6.23	5.22	2.54	5.94	5.09	2.73	8.26	5.09	2.88	8.26	4.96	3.11
	23	16	8.01	6.47	2.17	7.58	6.13	2.54	7.23	5.97	2.73	8.61	5.97	2.88	8.61	5.82	3.11
	26	18	9.06	7.07	2.17	8.58	6.69	2.54	8.18	6.52	2.73	8.87	6.52	2.88	8.87	6.36	3.11
	27	19	10.14	7.55	2.17	9.60	7.15	2.54	9.16	6.97	2.73	9.01	6.97	2.88	8.65	6.79	3.11
	30	22	10.44	7.87	2.17	9.88	7.45	2.54	9.43	7.26	2.73	9.28	7.26	2.88	8.91	7.08	3.11
	32	24	10.64	8.22	2.17	10.07	7.79	2.54	9.61	7.59	2.73	9.46	7.59	2.88	9.08	7.40	3.11

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	Equivalent Piping Length
Indoor:27°C/19°C Outdoor:35°C	5m

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

GU125T/A1-K

Fan Speed	Indoor Air Temperature(°C)		Outdoor Dry Bulb Temperature °C														
			20			25			30			35			40		
	DB	WB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
Turbo	20	14	8.76	7.02	3.17	8.30	6.64	3.71	7.92	6.48	3.98	11.01	6.48	4.20	11.01	6.31	4.54
	23	16	10.67	8.23	3.17	10.10	7.79	3.71	9.64	7.60	3.98	11.47	7.60	4.20	11.47	7.41	4.54
	26	18	12.06	8.99	3.17	11.42	8.51	3.71	10.90	8.30	3.98	11.82	8.30	4.20	11.82	8.09	4.54
	27	19	13.50	9.60	3.17	12.78	9.09	3.71	12.20	8.86	3.98	12.00	8.86	4.20	11.52	8.64	4.54
	30	22	13.91	10.01	3.17	13.17	9.48	3.71	12.56	9.24	3.98	12.36	9.24	4.20	11.87	9.01	4.54
	32	24	14.17	10.46	3.17	13.42	9.90	3.71	12.80	9.65	3.98	12.59	9.65	4.20	12.09	9.41	4.54
H	20	14	8.50	6.81	3.07	8.05	6.44	3.59	7.68	6.28	3.86	10.68	6.28	4.07	10.68	6.12	4.40
	23	16	10.35	7.98	3.07	9.80	7.56	3.59	9.35	7.37	3.86	11.12	7.37	4.07	11.12	7.18	4.40
	26	18	11.70	8.72	3.07	11.08	8.26	3.59	10.57	8.05	3.86	11.47	8.05	4.07	11.47	7.85	4.40
	27	19	13.10	9.31	3.07	12.40	8.82	3.59	11.83	8.59	3.86	11.64	8.59	4.07	11.18	8.38	4.40
	30	22	13.49	9.71	3.07	12.77	9.19	3.59	12.18	8.96	3.86	11.99	8.96	4.07	11.51	8.74	4.40
	32	24	13.74	10.15	3.07	13.01	9.61	3.59	12.42	9.36	3.86	12.22	9.36	4.07	11.73	9.13	4.40
M	20	14	8.06	6.46	2.91	7.64	6.11	3.41	7.28	5.96	3.66	10.13	5.96	3.86	10.13	5.81	4.17
	23	16	9.81	7.57	2.91	9.29	7.17	3.41	8.87	6.99	3.66	10.55	6.99	3.86	10.55	6.81	4.17
	26	18	11.10	8.27	2.91	10.51	7.83	3.41	10.03	7.64	3.66	10.87	7.64	3.86	10.87	7.44	4.17
	27	19	12.42	8.83	2.91	11.76	8.36	3.41	11.22	8.15	3.66	11.04	8.15	3.86	10.60	7.95	4.17
	30	22	12.79	9.21	2.91	12.11	8.72	3.41	11.56	8.50	3.66	11.37	8.50	3.86	10.92	8.29	4.17
	32	24	13.04	9.62	2.91	12.34	9.11	3.41	11.78	8.88	3.66	11.59	8.88	3.86	11.12	8.66	4.17

Fan Speed	Indoor Air Temperature(°C)		Outdoor Dry Bulb Temperature °C														
			20			25			30			35			40		
	DB	WB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
L	20	14	7.89	6.32	2.85	7.47	5.98	3.34	7.13	5.83	3.58	9.91	5.83	3.78	9.91	5.68	4.08
	23	16	9.60	7.41	2.85	9.09	7.01	3.34	8.67	6.84	3.58	10.32	6.84	3.78	10.32	6.67	4.08
	26	18	10.86	8.09	2.85	10.28	7.66	3.34	9.81	7.47	3.58	10.64	7.47	3.78	10.64	7.28	4.08
	27	19	12.15	8.64	2.85	11.50	8.18	3.34	10.98	7.97	3.58	10.80	7.97	3.78	10.37	7.77	4.08
	30	22	12.51	9.01	2.85	11.85	8.53	3.34	11.31	8.31	3.58	11.12	8.31	3.78	10.68	8.10	4.08
	32	24	12.75	9.41	2.85	12.07	8.91	3.34	11.52	8.69	3.58	11.34	8.69	3.78	10.88	8.47	4.08

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	Equivalent Piping Length
Indoor:27°C/19°C Outdoor:35°C	5m

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

GU140T/A1-K

Fan Speed	Indoor Air Temperature(°C)		Outdoor Dry Bulb Temperature °C														
			20			25			30			35			40		
	DB	WB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
Turbo	20	14	10.23	8.05	3.39	9.69	7.62	3.97	9.24	7.43	4.26	12.85	7.43	4.50	12.85	7.24	4.86
	23	16	12.45	9.44	3.39	11.79	8.94	3.97	11.25	8.71	4.26	13.39	8.71	4.50	13.39	8.49	4.86
	26	18	14.09	10.31	3.39	13.34	9.76	3.97	12.72	9.52	4.26	13.80	9.52	4.50	13.80	9.28	4.86
	27	19	15.76	11.01	3.39	14.92	10.42	3.97	14.24	10.16	4.26	14.01	10.16	4.50	13.45	9.90	4.86
	30	22	16.23	11.48	3.39	15.37	10.87	3.97	14.67	10.59	4.26	14.43	10.59	4.50	13.85	10.33	4.86
	32	24	16.54	11.99	3.39	15.66	11.36	3.97	14.94	11.07	4.26	14.70	11.07	4.50	14.12	10.79	4.86
H	20	14	9.93	7.81	3.29	9.40	7.39	3.85	8.97	7.20	4.14	12.46	7.20	4.37	12.46	7.02	4.71
	23	16	12.08	9.16	3.29	11.44	8.67	3.85	10.91	8.45	4.14	12.98	8.45	4.37	12.98	8.24	4.71
	26	18	13.66	10.00	3.29	12.94	9.47	3.85	12.34	9.23	4.14	13.39	9.23	4.37	13.39	9.00	4.71
	27	19	15.29	10.68	3.29	14.48	10.11	3.85	13.81	9.86	4.14	13.59	9.86	4.37	13.05	9.61	4.71
	30	22	15.75	11.13	3.29	14.91	10.54	3.85	14.23	10.28	4.14	14.00	10.28	4.37	13.44	10.02	4.71
	32	24	16.05	11.63	3.29	15.19	11.02	3.85	14.50	10.74	4.14	14.26	10.74	4.37	13.69	10.47	4.71
M	20	14	9.41	7.40	3.12	8.91	7.01	3.65	8.50	6.83	3.92	11.82	6.83	4.14	11.82	6.66	4.47
	23	16	11.46	8.68	3.12	10.85	8.22	3.65	10.35	8.02	3.92	12.31	8.02	4.14	12.31	7.81	4.47
	26	18	12.96	9.49	3.12	12.27	8.98	3.65	11.71	8.76	3.92	12.70	8.76	4.14	12.70	8.53	4.47
	27	19	14.50	10.13	3.12	13.73	9.59	3.65	13.10	9.35	3.92	12.89	9.35	4.14	12.37	9.11	4.47
	30	22	14.94	10.56	3.12	14.14	10.00	3.65	13.49	9.75	3.92	13.28	9.75	4.14	12.75	9.50	4.47
	32	24	15.22	11.03	3.12	14.41	10.45	3.65	13.75	10.18	3.92	13.53	10.18	4.14	12.99	9.93	4.47

U-Match AIR CONDITIONERS TSG

Fan Speed	Indoor Air Temperature(°C)		Outdoor Dry Bulb Temperature °C														
			20			25			30			35			40		
	DB	WB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
L	20	14	9.21	7.24	3.05	8.72	6.86	3.57	8.32	6.68	3.84	11.57	6.68	4.05	11.57	6.52	4.37
	23	16	11.21	8.50	3.05	10.61	8.04	3.57	10.13	7.84	3.84	12.05	7.84	4.05	12.05	7.64	4.37
	26	18	12.68	9.28	3.05	12.00	8.79	3.57	11.45	8.57	3.84	12.42	8.57	4.05	12.42	8.35	4.37
	27	19	14.19	9.91	3.05	13.43	9.38	3.57	12.81	9.14	3.84	12.61	9.14	4.05	12.11	8.91	4.37
	30	22	14.61	10.33	3.05	13.83	9.78	3.57	13.20	9.53	3.84	12.99	9.53	4.05	12.47	9.29	4.37
	32	24	14.89	10.79	3.05	14.10	10.22	3.57	13.45	9.96	3.84	13.23	9.96	4.05	12.71	9.71	4.37

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	Equivalent Piping Length
Indoor:27°C/19°C Outdoor:35°C	7.5m

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

GU160T/A1-K

Fan Speed	Indoor Air Temperature(°C)		Outdoor Dry Bulb Temperature °C														
			20			25			30			35			40		
	DB	WB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
Turbo	20	14	10.96	9.04	4.00	10.37	8.56	4.68	9.90	8.35	5.02	13.76	8.35	5.30	13.76	8.14	5.72
	23	16	13.33	10.61	4.00	12.63	10.05	4.68	12.05	9.79	5.02	14.33	9.79	5.30	14.33	9.55	5.72
	26	18	15.08	11.59	4.00	14.28	10.97	4.68	13.62	10.70	5.02	14.78	10.70	5.30	14.78	10.43	5.72
	27	19	16.88	12.37	4.00	15.98	11.71	4.68	15.24	11.42	5.02	15.00	11.42	5.30	14.40	11.13	5.72
	30	22	17.38	12.90	4.00	16.46	12.22	4.68	15.70	11.91	5.02	15.45	11.91	5.30	14.83	11.61	5.72
	32	24	17.71	13.48	4.00	16.77	12.76	4.68	16.00	12.44	5.02	15.74	12.44	5.30	15.11	12.13	5.72
H	20	14	10.63	8.77	3.88	10.06	8.31	4.54	9.60	8.10	4.87	13.35	8.10	5.14	13.35	7.89	5.55
	23	16	12.93	10.29	3.88	12.25	9.74	4.54	11.68	9.50	4.87	13.90	9.50	5.14	13.90	9.26	5.55
	26	18	14.63	11.24	3.88	13.85	10.64	4.54	13.21	10.38	4.87	14.33	10.38	5.14	14.33	10.11	5.55
	27	19	16.37	12.00	3.88	15.50	11.36	4.54	14.79	11.08	4.87	14.55	11.08	5.14	13.97	10.80	5.55
	30	22	16.86	12.51	3.88	15.96	11.85	4.54	15.23	11.55	4.87	14.99	11.55	5.14	14.39	11.26	5.55
	32	24	17.18	13.08	3.88	16.27	12.38	4.54	15.52	12.07	4.87	15.27	12.07	5.14	14.66	11.77	5.55
M	20	14	10.08	8.32	3.68	9.54	7.88	4.30	9.11	7.68	4.62	12.66	7.68	4.88	12.66	7.49	5.27
	23	16	12.27	9.76	3.68	11.62	9.24	4.30	11.08	9.01	4.62	13.19	9.01	4.88	13.19	8.78	5.27
	26	18	13.87	10.66	3.68	13.14	10.10	4.30	12.53	9.84	4.62	13.59	9.84	4.88	13.59	9.59	5.27
	27	19	15.53	11.38	3.68	14.70	10.78	4.30	14.03	10.51	4.62	13.80	10.51	4.88	13.25	10.24	5.27
	30	22	15.99	11.87	3.68	15.14	11.24	4.30	14.45	10.96	4.62	14.21	10.96	4.88	13.65	10.68	5.27
	32	24	16.29	12.40	3.68	15.43	11.74	4.30	14.72	11.45	4.62	14.48	11.45	4.88	13.91	11.16	5.27

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	9.86	8.14	3.60	9.34	7.71	4.21	8.91	7.51	4.52	12.38	7.51	4.77	12.38	7.32	5.15
	23	16	12.00	9.55	3.60	11.36	9.04	4.21	10.84	8.81	4.52	12.90	8.81	4.77	12.90	8.59	5.15
	26	18	13.57	10.43	3.60	12.85	9.88	4.21	12.26	9.63	4.52	13.30	9.63	4.77	13.30	9.38	5.15
	27	19	15.19	11.13	3.60	14.38	10.54	4.21	13.72	10.28	4.52	13.50	10.28	4.77	12.96	10.02	5.15
	30	22	15.64	11.61	3.60	14.81	10.99	4.21	14.13	10.72	4.52	13.91	10.72	4.77	13.35	10.45	5.15
	32	24	15.94	12.13	3.60	15.09	11.49	4.21	14.40	11.20	4.52	14.17	11.20	4.77	13.60	10.92	5.15

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	Equivalent Piping Length
Indoor:27°C/19°C Outdoor:35°C	7.5m

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

6.1.2 Duct Type

GU50P/A1-K, GU50PS/A1-K

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	3.47	3.06	1.21	3.29	2.89	1.41	3.13	2.82	1.52	4.36	2.82	1.60	4.36	2.75	1.73
	23	16	4.22	3.59	1.21	4.00	3.40	1.41	3.81	3.31	1.52	4.54	3.31	1.60	4.54	3.23	1.73
	26	18	4.78	3.92	1.21	4.52	3.71	1.41	4.31	3.62	1.52	4.68	3.62	1.60	4.68	3.52	1.73
	27	19	5.34	4.18	1.21	5.06	3.96	1.41	4.83	3.86	1.52	4.75	3.86	1.60	4.56	3.76	1.73
	30	22	5.50	4.36	1.21	5.21	4.13	1.41	4.97	4.03	1.52	4.89	4.03	1.60	4.70	3.92	1.73
	32	24	5.61	4.56	1.21	5.31	4.31	1.41	5.07	4.21	1.52	4.99	4.21	1.60	4.79	4.10	1.73
H	20	14	3.37	2.97	1.17	3.19	2.81	1.37	3.04	2.74	1.47	4.23	2.74	1.55	4.23	2.67	1.68
	23	16	4.10	3.48	1.17	3.88	3.29	1.37	3.70	3.21	1.47	4.40	3.21	1.55	4.40	3.13	1.68
	26	18	4.63	3.80	1.17	4.39	3.60	1.37	4.18	3.51	1.47	4.54	3.51	1.55	4.54	3.42	1.68
	27	19	5.18	4.06	1.17	4.91	3.84	1.37	4.68	3.74	1.47	4.61	3.74	1.55	4.42	3.65	1.68
	30	22	5.34	4.23	1.17	5.06	4.01	1.37	4.82	3.90	1.47	4.75	3.90	1.55	4.56	3.81	1.68
	32	24	5.44	4.42	1.17	5.15	4.18	1.37	4.91	4.08	1.47	4.84	4.08	1.55	4.64	3.98	1.68

U-Match AIR CONDITIONERS TSG

Fan Speed	Indoor Air Temperature(°C)		Outdoor Dry Bulb Temperature °C														
			20			25			30			35			40		
	DB	WB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
M	20	14	3.19	2.81	1.11	3.02	2.66	1.30	2.88	2.60	1.40	4.01	2.60	1.47	4.01	2.53	1.59
	23	16	3.88	3.30	1.11	3.68	3.12	1.30	3.51	3.05	1.40	4.18	3.05	1.47	4.18	2.97	1.59
	26	18	4.39	3.60	1.11	4.16	3.41	1.30	3.97	3.33	1.40	4.30	3.33	1.47	4.30	3.24	1.59
	27	19	4.92	3.85	1.11	4.66	3.64	1.30	4.44	3.55	1.40	4.37	3.55	1.47	4.20	3.46	1.59
	30	22	5.06	4.01	1.11	4.79	3.80	1.30	4.57	3.70	1.40	4.50	3.70	1.47	4.32	3.61	1.59
	32	24	5.16	4.19	1.11	4.89	3.97	1.30	4.66	3.87	1.40	4.59	3.87	1.47	4.40	3.77	1.59
L	20	14	3.12	2.75	1.09	2.96	2.61	1.27	2.82	2.54	1.36	3.92	2.54	1.44	3.92	2.48	1.56
	23	16	3.80	3.23	1.09	3.60	3.06	1.27	3.43	2.98	1.36	4.08	2.98	1.44	4.08	2.90	1.56
	26	18	4.30	3.53	1.09	4.07	3.34	1.27	3.88	3.25	1.36	4.21	3.25	1.44	4.21	3.17	1.56
	27	19	4.81	3.76	1.09	4.55	3.56	1.27	4.34	3.47	1.36	4.28	3.47	1.44	4.10	3.39	1.56
	30	22	4.95	3.92	1.09	4.69	3.72	1.27	4.48	3.62	1.36	4.40	3.62	1.44	4.23	3.53	1.56
	32	24	5.05	4.10	1.09	4.78	3.88	1.27	4.56	3.79	1.36	4.49	3.79	1.44	4.31	3.69	1.56

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	Equivalent Piping Length
Indoor:27°C/19°C Outdoor:35°C	5m

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

GU71P/A1-K, GU71PS/A1-K

Fan Speed	Indoor Air Temperature(°C)		Outdoor Dry Bulb Temperature °C														
			20			25			30			35			40		
	DB	WB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
Turbo	20	14	5.11	4.71	1.62	4.84	4.46	1.90	4.62	4.35	2.04	6.42	4.35	2.15	6.42	4.24	2.32
	23	16	6.22	5.53	1.62	5.89	5.23	1.90	5.62	5.10	2.04	6.69	5.10	2.15	6.69	4.97	2.32
	26	18	7.04	6.04	1.62	6.66	5.72	1.90	6.36	5.57	2.04	6.90	5.57	2.15	6.90	5.43	2.32
	27	19	7.88	6.45	1.62	7.46	6.10	1.90	7.11	5.95	2.04	7.00	5.95	2.15	6.72	5.80	2.32
	30	22	8.11	6.72	1.62	7.68	6.36	1.90	7.33	6.20	2.04	7.21	6.20	2.15	6.92	6.05	2.32
	32	24	8.27	7.02	1.62	7.83	6.65	1.90	7.47	6.48	2.04	7.35	6.48	2.15	7.05	6.32	2.32
H	20	14	4.96	4.57	1.57	4.70	4.33	1.84	4.48	4.22	1.98	6.23	4.22	2.09	6.23	4.11	2.25
	23	16	6.04	5.36	1.57	5.71	5.08	1.84	5.45	4.95	1.98	6.49	4.95	2.09	6.49	4.82	2.25
	26	18	6.83	5.86	1.57	6.46	5.55	1.84	6.17	5.41	1.98	6.69	5.41	2.09	6.69	5.27	2.25
	27	19	7.64	6.25	1.57	7.23	5.92	1.84	6.90	5.77	1.98	6.79	5.77	2.09	6.52	5.63	2.25
	30	22	7.87	6.52	1.57	7.45	6.17	1.84	7.11	6.02	1.98	6.99	6.02	2.09	6.71	5.87	2.25
	32	24	8.02	6.81	1.57	7.59	6.45	1.84	7.24	6.29	1.98	7.13	6.29	2.09	6.84	6.13	2.25

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	4.70	4.34	1.49	4.45	4.11	1.75	4.25	4.00	1.87	5.91	4.00	1.98	5.91	3.90	2.14
	23	16	5.72	5.09	1.49	5.42	4.82	1.75	5.17	4.69	1.87	6.15	4.69	1.98	6.15	4.58	2.14
	26	18	6.47	5.55	1.49	6.13	5.26	1.75	5.85	5.13	1.87	6.34	5.13	1.98	6.34	5.00	2.14
	27	19	7.25	5.93	1.49	6.86	5.62	1.75	6.55	5.47	1.87	6.44	5.47	1.98	6.18	5.34	2.14
	30	22	7.46	6.18	1.49	7.07	5.86	1.75	6.74	5.71	1.87	6.63	5.71	1.98	6.37	5.56	2.14
	32	24	7.60	6.46	1.49	7.20	6.12	1.75	6.87	5.96	1.87	6.76	5.96	1.98	6.49	5.81	2.14
L	20	14	4.60	4.24	1.46	4.36	4.02	1.71	4.16	3.91	1.83	5.78	3.91	1.94	5.78	3.82	2.09
	23	16	5.60	4.97	1.46	5.30	4.71	1.71	5.06	4.59	1.83	6.02	4.59	1.94	6.02	4.48	2.09
	26	18	6.33	5.43	1.46	6.00	5.15	1.71	5.72	5.02	1.83	6.21	5.02	1.94	6.21	4.89	2.09
	27	19	7.09	5.80	1.46	6.71	5.49	1.71	6.40	5.36	1.83	6.30	5.36	1.94	6.05	5.22	2.09
	30	22	7.30	6.05	1.46	6.91	5.73	1.71	6.59	5.58	1.83	6.49	5.58	1.94	6.23	5.44	2.09
	32	24	7.44	6.32	1.46	7.04	5.99	1.71	6.72	5.83	1.83	6.61	5.83	1.94	6.35	5.69	2.09

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	Equivalent Piping Length
Indoor:27°C/19°C Outdoor:35°C	5m

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

GU85P/A1-K, GU85PS/A1-K

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	6.06	5.35	2.04	5.74	5.06	2.38	5.48	4.93	2.56	7.61	4.93	2.70	7.61	4.81	2.92
	23	16	7.38	6.27	2.04	6.99	5.94	2.38	6.67	5.79	2.56	7.93	5.79	2.70	7.93	5.64	2.92
	26	18	8.34	6.85	2.04	7.90	6.49	2.38	7.54	6.32	2.56	8.18	6.32	2.70	8.18	6.16	2.92
	27	19	9.34	7.31	2.04	8.84	6.92	2.38	8.44	6.75	2.56	8.30	6.75	2.70	7.97	6.58	2.92
	30	22	9.62	7.63	2.04	9.11	7.22	2.38	8.69	7.04	2.56	8.55	7.04	2.70	8.21	6.86	2.92
	32	24	9.80	7.97	2.04	9.28	7.54	2.38	8.85	7.35	2.56	8.71	7.35	2.70	8.36	7.17	2.92
H	20	14	5.88	5.19	1.98	5.57	4.91	2.31	5.31	4.79	2.48	7.38	4.79	2.62	7.38	4.67	2.83
	23	16	7.16	6.08	1.98	6.78	5.76	2.31	6.47	5.61	2.48	7.69	5.61	2.62	7.69	5.47	2.83
	26	18	8.09	6.64	1.98	7.66	6.29	2.31	7.31	6.13	2.48	7.93	6.13	2.62	7.93	5.98	2.83
	27	19	9.06	7.09	1.98	8.58	6.72	2.31	8.18	6.55	2.48	8.05	6.55	2.62	7.73	6.38	2.83
	30	22	9.33	7.40	1.98	8.83	7.00	2.31	8.43	6.83	2.48	8.29	6.83	2.62	7.96	6.66	2.83
	32	24	9.51	7.73	1.98	9.00	7.32	2.31	8.59	7.13	2.48	8.45	7.13	2.62	8.11	6.95	2.83

U-Match AIR CONDITIONERS TSG

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	5.58	4.92	1.87	5.28	4.66	2.19	5.04	4.54	2.35	7.00	4.54	2.48	7.00	4.43	2.68
	23	16	6.79	5.77	1.87	6.43	5.46	2.19	6.13	5.33	2.35	7.30	5.33	2.48	7.30	5.19	2.68
	26	18	7.68	6.30	1.87	7.27	5.97	2.19	6.94	5.82	2.35	7.52	5.82	2.48	7.52	5.67	2.68
	27	19	8.59	6.73	1.87	8.13	6.37	2.19	7.76	6.21	2.35	7.64	6.21	2.48	7.33	6.05	2.68
	30	22	8.85	7.02	1.87	8.38	6.64	2.19	7.99	6.48	2.35	7.87	6.48	2.48	7.55	6.31	2.68
	32	24	9.02	7.33	1.87	8.54	6.94	2.19	8.15	6.77	2.35	8.01	6.77	2.48	7.69	6.60	2.68
L	20	14	5.46	4.81	1.83	5.17	4.56	2.14	4.93	4.44	2.30	6.85	4.44	2.43	6.85	4.33	2.62
	23	16	6.64	5.64	1.83	6.29	5.34	2.14	6.00	5.21	2.30	7.14	5.21	2.43	7.14	5.08	2.62
	26	18	7.51	6.16	1.83	7.11	5.84	2.14	6.78	5.69	2.30	7.36	5.69	2.43	7.36	5.55	2.62
	27	19	8.40	6.58	1.83	7.96	6.23	2.14	7.59	6.08	2.30	7.47	6.08	2.43	7.17	5.92	2.62
	30	22	8.66	6.86	1.83	8.20	6.50	2.14	7.82	6.33	2.30	7.69	6.33	2.43	7.39	6.17	2.62
	32	24	8.82	7.17	1.83	8.35	6.79	2.14	7.97	6.62	2.30	7.84	6.62	2.43	7.53	6.45	2.62

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	Equivalent Piping Length
Indoor:27°C/19°C Outdoor:35°C	5m

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

GU100PH/A1-K, GU100PHS/A1-K

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	7.38	6.23	2.41	6.99	5.90	2.82	6.66	5.75	3.03	9.26	5.75	3.20	9.26	5.61	3.46
	23	16	8.98	7.31	2.41	8.50	6.92	2.82	8.11	6.75	3.03	9.65	6.75	3.20	9.65	6.58	3.46
	26	18	10.15	7.99	2.41	9.61	7.56	2.82	9.17	7.37	3.03	9.95	7.37	3.20	9.95	7.19	3.46
	27	19	11.36	8.53	2.41	10.76	8.07	2.82	10.26	7.87	3.03	10.10	7.87	3.20	9.70	7.67	3.46
	30	22	11.70	8.89	2.41	11.08	8.42	2.82	10.57	8.21	3.03	10.40	8.21	3.20	9.99	8.00	3.46
	32	24	11.93	9.29	2.41	11.29	8.80	2.82	10.77	8.58	3.03	10.60	8.58	3.20	10.18	8.36	3.46
H	20	14	7.16	6.05	2.34	6.78	5.72	2.74	6.46	5.58	2.94	8.99	5.58	3.10	8.99	5.44	3.35
	23	16	8.71	7.09	2.34	8.25	6.72	2.74	7.87	6.55	2.94	9.36	6.55	3.10	9.36	6.38	3.35
	26	18	9.85	7.75	2.34	9.33	7.34	2.74	8.90	7.15	2.94	9.65	7.15	3.10	9.65	6.97	3.35
	27	19	11.02	8.27	2.34	10.44	7.83	2.74	9.96	7.63	2.94	9.80	7.63	3.10	9.41	7.44	3.35
	30	22	11.35	8.62	2.34	10.75	8.17	2.74	10.26	7.96	2.94	10.09	7.96	3.10	9.69	7.76	3.35
	32	24	11.57	9.01	2.34	10.95	8.53	2.74	10.45	8.32	2.94	10.28	8.32	3.10	9.87	8.11	3.35

U-Match AIR CONDITIONERS TSG

Fan Speed	Indoor Air Temperature(°C)		Outdoor Dry Bulb Temperature °C														
			20			25			30			35			40		
	DB	WB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
M	20	14	8.06	6.38	3.02	7.64	6.04	3.53	7.28	5.89	3.79	10.13	5.89	4.00	10.13	5.74	4.32
	23	16	9.81	7.48	3.02	9.29	7.08	3.53	8.87	6.90	3.79	10.55	6.90	4.00	10.55	6.73	4.32
	26	18	11.10	8.17	3.02	10.51	7.73	3.53	10.03	7.54	3.79	10.87	7.54	4.00	10.87	7.35	4.32
	27	19	12.42	8.72	3.02	11.76	8.26	3.53	11.22	8.05	3.79	11.04	8.05	4.00	10.60	7.85	4.32
	30	22	12.79	9.09	3.02	12.11	8.61	3.53	11.56	8.39	3.79	11.37	8.39	4.00	10.92	8.18	4.32
	32	24	13.04	9.50	3.02	12.34	9.00	3.53	11.78	8.77	3.79	11.59	8.77	4.00	11.12	8.55	4.32
L	20	14	7.89	6.24	2.95	7.47	5.91	3.45	7.13	5.76	3.71	9.91	5.76	3.92	9.91	5.61	4.23
	23	16	9.60	7.32	2.95	9.09	6.93	3.45	8.67	6.75	3.71	10.32	6.75	3.92	10.32	6.58	4.23
	26	18	10.86	7.99	2.95	10.28	7.57	3.45	9.81	7.38	3.71	10.64	7.38	3.92	10.64	7.19	4.23
	27	19	12.15	8.53	2.95	11.50	8.08	3.45	10.98	7.88	3.71	10.80	7.88	3.92	10.37	7.68	4.23
	30	22	12.51	8.90	2.95	11.85	8.42	3.45	11.31	8.21	3.71	11.12	8.21	3.92	10.68	8.00	4.23
	32	24	12.75	9.30	2.95	12.07	8.80	3.45	11.52	8.58	3.71	11.34	8.58	3.92	10.88	8.36	4.23

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	Equivalent Piping Length
Indoor:27°C/19°C Outdoor:35°C	5m

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

GU140PH/A1-K,GU140PHS/A1-K

Fan Speed	Indoor Air Temperature(°C)		Outdoor Dry Bulb Temperature °C														
			20			25			30			35			40		
	DB	WB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
Turbo	20	14	10.66	7.72	3.39	10.10	7.31	3.97	9.63	7.13	4.26	13.39	7.13	4.50	13.39	6.95	4.86
	23	16	12.98	9.06	3.39	12.29	8.58	3.97	11.72	8.36	4.26	13.95	8.36	4.50	13.95	8.15	4.86
	26	18	14.68	9.89	3.39	13.90	9.37	3.97	13.26	9.13	4.26	14.38	9.13	4.50	14.38	8.90	4.86
	27	19	16.43	10.56	3.39	15.55	10.00	3.97	14.84	9.75	4.26	14.60	9.75	4.50	14.02	9.50	4.86
	30	22	16.92	11.01	3.39	16.02	10.43	3.97	15.28	10.17	4.26	15.04	10.17	4.50	14.44	9.91	4.86
	32	24	17.24	11.51	3.39	16.32	10.90	3.97	15.57	10.62	4.26	15.32	10.62	4.50	14.71	10.36	4.86
H	20	14	10.34	7.49	3.29	9.79	7.09	3.85	9.34	6.91	4.14	12.99	6.91	4.37	12.99	6.74	4.71
	23	16	12.59	8.79	3.29	11.92	8.32	3.85	11.37	8.11	4.14	13.53	8.11	4.37	13.53	7.91	4.71
	26	18	14.24	9.60	3.29	13.48	9.09	3.85	12.86	8.86	4.14	13.95	8.86	4.37	13.95	8.64	4.71
	27	19	15.93	10.25	3.29	15.09	9.70	3.85	14.39	9.46	4.14	14.16	9.46	4.37	13.60	9.22	4.71
	30	22	16.41	10.68	3.29	15.54	10.12	3.85	14.82	9.86	4.14	14.59	9.86	4.37	14.00	9.61	4.71
	32	24	16.72	11.16	3.29	15.83	10.57	3.85	15.11	10.30	4.14	14.86	10.30	4.37	14.27	10.04	4.71

Fan Speed	Indoor Air Temperature(°C)		Outdoor Dry Bulb Temperature °C														
			20			25			30			35			40		
	DB	WB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
M	20	14	9.81	7.10	3.12	9.29	6.73	3.65	8.86	6.56	3.92	12.32	6.56	4.14	12.32	6.39	4.47
	23	16	11.94	8.33	3.12	11.31	7.89	3.65	10.79	7.69	3.92	12.83	7.69	4.14	12.83	7.50	4.47
	26	18	13.50	9.10	3.12	12.79	8.62	3.65	12.20	8.40	3.92	13.23	8.40	4.14	13.23	8.19	4.47
	27	19	15.11	9.72	3.12	14.31	9.20	3.65	13.65	8.97	3.92	13.43	8.97	4.14	12.90	8.74	4.47
	30	22	15.56	10.13	3.12	14.74	9.59	3.65	14.06	9.35	3.92	13.83	9.35	4.14	13.28	9.12	4.47
	32	24	15.86	10.59	3.12	15.02	10.03	3.65	14.33	9.77	3.92	14.10	9.77	4.14	13.53	9.53	4.47
L	20	14	9.60	6.95	3.05	9.09	6.58	3.57	8.67	6.42	3.84	12.05	6.42	4.05	12.05	6.25	4.37
	23	16	11.68	8.15	3.05	11.06	7.72	3.57	10.55	7.52	3.84	12.55	7.52	4.05	12.55	7.33	4.37
	26	18	13.21	8.90	3.05	12.51	8.43	3.57	11.93	8.22	3.84	12.94	8.22	4.05	12.94	8.01	4.37
	27	19	14.78	9.51	3.05	14.00	9.00	3.57	13.35	8.78	3.84	13.14	8.78	4.05	12.62	8.55	4.37
	30	22	15.23	9.91	3.05	14.42	9.39	3.57	13.75	9.15	3.84	13.53	9.15	4.05	12.99	8.92	4.37
	32	24	15.52	10.36	3.05	14.69	9.81	3.57	14.02	9.56	3.84	13.79	9.56	4.05	13.24	9.32	4.37

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	Equivalent Piping Length
Indoor:27°C/19°C Outdoor:35°C	7.5m

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

GU160PH/A1-K,GU160PHS/A1-K

Fan Speed	Indoor Air Temperature(°C)		Outdoor Dry Bulb Temperature °C														
			20			25			30			35			40		
	DB	WB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
Turbo	20	14	11.69	9.84	4.15	11.07	9.31	4.85	10.56	9.08	5.21	14.68	9.08	5.50	14.68	8.85	5.94
	23	16	14.22	11.54	4.15	13.47	10.93	4.85	12.85	10.65	5.21	15.29	10.65	5.50	15.29	10.38	5.94
	26	18	16.09	12.60	4.15	15.23	11.93	4.85	14.53	11.63	5.21	15.76	11.63	5.50	15.76	11.34	5.94
	27	19	18.00	13.46	4.15	17.04	12.74	4.85	16.26	12.42	5.21	16.00	12.42	5.50	15.36	12.11	5.94
	30	22	18.54	14.03	4.15	17.55	13.29	4.85	16.75	12.95	5.21	16.48	12.95	5.50	15.82	12.62	5.94
	32	24	18.89	14.66	4.15	17.89	13.88	4.85	17.07	13.53	5.21	16.79	13.53	5.50	16.12	13.19	5.94
H	20	14	11.34	9.54	4.02	10.73	9.03	4.71	10.24	8.81	5.06	14.24	8.81	5.34	14.24	8.58	5.76
	23	16	13.80	11.19	4.02	13.06	10.60	4.71	12.46	10.33	5.06	14.83	10.33	5.34	14.83	10.07	5.76
	26	18	15.60	12.23	4.02	14.77	11.58	4.71	14.10	11.28	5.06	15.29	11.28	5.34	15.29	11.00	5.76
	27	19	17.46	13.05	4.02	16.53	12.36	4.71	15.77	12.05	5.06	15.52	12.05	5.34	14.90	11.74	5.76
	30	22	17.98	13.61	4.02	17.03	12.89	4.71	16.25	12.56	5.06	15.99	12.56	5.34	15.35	12.25	5.76
	32	24	18.33	14.22	4.02	17.35	13.47	4.71	16.55	13.13	5.06	16.29	13.13	5.34	15.64	12.80	5.76

Fan Speed	Indoor Air Temperature(°C)		Outdoor Dry Bulb Temperature °C														
			20			25			30			35			40		
	DB	WB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
M	20	14	10.75	9.05	3.82	10.18	8.57	4.47	9.71	8.35	4.80	13.50	8.35	5.06	13.50	8.14	5.46
	23	16	13.08	10.62	3.82	12.39	10.05	4.47	11.82	9.80	4.80	14.06	9.80	5.06	14.06	9.55	5.46
	26	18	14.80	11.60	3.82	14.01	10.98	4.47	13.37	10.70	4.80	14.50	10.70	5.06	14.50	10.43	5.46
	27	19	16.56	12.38	3.82	15.68	11.72	4.47	14.96	11.43	4.80	14.72	11.43	5.06	14.13	11.14	5.46
	30	22	17.06	12.91	3.82	16.15	12.22	4.47	15.41	11.91	4.80	15.16	11.91	5.06	14.56	11.61	5.46
	32	24	17.38	13.49	3.82	16.46	12.77	4.47	15.70	12.45	4.80	15.45	12.45	5.06	14.83	12.14	5.46
L	20	14	10.52	8.85	3.73	9.96	8.38	4.37	9.50	8.17	4.69	13.21	8.17	4.95	13.21	7.97	5.35
	23	16	12.80	10.38	3.73	12.12	9.83	4.37	11.56	9.59	4.69	13.76	9.59	4.95	13.76	9.34	5.35
	26	18	14.48	11.34	3.73	13.71	10.74	4.37	13.08	10.47	4.69	14.18	10.47	4.95	14.18	10.21	5.35
	27	19	16.20	12.11	3.73	15.34	11.47	4.37	14.63	11.18	4.69	14.40	11.18	4.95	13.82	10.90	5.35
	30	22	16.69	12.63	3.73	15.80	11.96	4.37	15.07	11.66	4.69	14.83	11.66	4.95	14.24	11.36	5.35
	32	24	17.00	13.20	3.73	16.10	12.49	4.37	15.36	12.18	4.69	15.11	12.18	4.95	14.51	11.87	5.35

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	Equivalent Piping Length
Indoor:27°C/19°C Outdoor:35°C	7.5m

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

GU71ZD/A1-K

Fan Speed	Indoor Air Temperature(°C)		Outdoor Dry Bulb Temperature °C														
			20			25			30			35			40		
	DB	WB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
Turbo	20	14	5.33	4.17	1.70	5.05	3.94	1.99	4.82	3.85	2.13	6.70	3.85	2.25	6.70	3.75	2.43
	23	16	6.49	4.89	1.70	6.14	4.63	1.99	5.86	4.51	2.13	6.97	4.51	2.25	6.97	4.40	2.43
	26	18	7.34	5.34	1.70	6.95	5.05	1.99	6.63	4.93	2.13	7.19	4.93	2.25	7.19	4.80	2.43
	27	19	8.21	5.70	1.70	7.78	5.40	1.99	7.42	5.26	2.13	7.30	5.26	2.25	7.01	5.13	2.43
	30	22	8.46	5.94	1.70	8.01	5.63	1.99	7.64	5.48	2.13	7.52	5.48	2.25	7.22	5.35	2.43
	32	24	8.62	6.21	1.70	8.16	5.88	1.99	7.79	5.73	2.13	7.66	5.73	2.25	7.36	5.59	2.43
H	20	14	5.17	4.04	1.65	4.90	3.83	1.93	4.67	3.73	2.07	6.49	3.73	2.18	6.49	3.64	2.36
	23	16	6.29	4.74	1.65	5.96	4.49	1.93	5.69	4.38	2.07	6.77	4.38	2.18	6.77	4.26	2.36
	26	18	7.12	5.18	1.65	6.74	4.90	1.93	6.43	4.78	2.07	6.97	4.78	2.18	6.97	4.66	2.36
	27	19	7.97	5.53	1.65	7.54	5.23	1.93	7.20	5.10	2.07	7.08	5.10	2.18	6.80	4.97	2.36
	30	22	8.21	5.76	1.65	7.77	5.46	1.93	7.41	5.32	2.07	7.29	5.32	2.18	7.00	5.19	2.36
	32	24	8.36	6.02	1.65	7.92	5.70	1.93	7.55	5.56	2.07	7.43	5.56	2.18	7.14	5.42	2.36
M	20	14	4.91	3.83	1.56	4.64	3.63	1.83	4.43	3.54	1.96	6.16	3.54	2.07	6.16	3.45	2.24
	23	16	5.97	4.50	1.56	5.65	4.26	1.83	5.39	4.15	1.96	6.42	4.15	2.07	6.42	4.04	2.24
	26	18	6.75	4.91	1.56	6.39	4.65	1.83	6.10	4.53	1.96	6.62	4.53	2.07	6.62	4.42	2.24
	27	19	7.56	5.24	1.56	7.15	4.96	1.83	6.83	4.84	1.96	6.72	4.84	2.07	6.45	4.72	2.24
	30	22	7.78	5.47	1.56	7.37	5.18	1.83	7.03	5.05	1.96	6.92	5.05	2.07	6.64	4.92	2.24
	32	24	7.93	5.71	1.56	7.51	5.41	1.83	7.16	5.27	1.96	7.05	5.27	2.07	6.77	5.14	2.24
L	20	14	4.80	3.75	1.53	4.54	3.55	1.79	4.34	3.46	1.92	6.03	3.46	2.03	6.03	3.37	2.19
	23	16	5.84	4.40	1.53	5.53	4.16	1.79	5.28	4.06	1.92	6.28	4.06	2.03	6.28	3.96	2.19
	26	18	6.61	4.80	1.53	6.25	4.55	1.79	5.97	4.43	1.92	6.47	4.43	2.03	6.47	4.32	2.19
	27	19	7.39	5.13	1.53	7.00	4.86	1.79	6.68	4.73	1.92	6.57	4.73	2.03	6.31	4.61	2.19
	30	22	7.61	5.35	1.53	7.21	5.06	1.79	6.88	4.94	1.92	6.77	4.94	2.03	6.50	4.81	2.19
	32	24	7.76	5.59	1.53	7.35	5.29	1.79	7.01	5.16	1.92	6.90	5.16	2.03	6.62	5.03	2.19

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	Equivalent Piping Length
Indoor:27°C/19°C Outdoor:35°C	5m

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

GU100ZD/A1-K

Fan Speed	Indoor Air Temperature(°C)		Outdoor Dry Bulb Temperature °C														
			20			25			30			35			40		
	DB	WB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
Turbo	20	14	7.38	6.17	2.41	6.99	5.84	2.82	6.66	5.69	3.03	9.26	5.69	3.20	9.26	5.55	3.46
	23	16	8.98	7.24	2.41	8.50	6.85	2.82	8.11	6.68	3.03	9.65	6.68	3.20	9.65	6.51	3.46
	26	18	10.15	7.91	2.41	9.61	7.49	2.82	9.17	7.30	3.03	9.95	7.30	3.20	9.95	7.11	3.46
	27	19	11.36	8.44	2.41	10.76	7.99	2.82	10.26	7.79	3.03	10.10	7.79	3.20	9.70	7.59	3.46
	30	22	11.70	8.80	2.41	11.08	8.33	2.82	10.57	8.12	3.03	10.40	8.12	3.20	9.99	7.92	3.46
	32	24	11.93	9.20	2.41	11.29	8.71	2.82	10.77	8.49	3.03	10.60	8.49	3.20	10.18	8.27	3.46
H	20	14	7.16	5.98	2.34	6.78	5.67	2.74	6.46	5.52	2.94	8.99	5.52	3.10	8.99	5.38	3.35
	23	16	8.71	7.02	2.34	8.25	6.65	2.74	7.87	6.48	2.94	9.36	6.48	3.10	9.36	6.32	3.35
	26	18	9.85	7.67	2.34	9.33	7.26	2.74	8.90	7.08	2.94	9.65	7.08	3.10	9.65	6.90	3.35
	27	19	11.02	8.19	2.34	10.44	7.75	2.74	9.96	7.56	2.94	9.80	7.56	3.10	9.41	7.37	3.35
	30	22	11.35	8.54	2.34	10.75	8.08	2.74	10.26	7.88	2.94	10.09	7.88	3.10	9.69	7.68	3.35
	32	24	11.57	8.92	2.34	10.95	8.45	2.74	10.45	8.23	2.94	10.28	8.23	3.10	9.87	8.03	3.35
M	20	14	6.79	5.68	2.22	6.43	5.37	2.60	6.13	5.24	2.79	8.52	5.24	2.94	8.52	5.11	3.18
	23	16	8.26	6.66	2.22	7.82	6.30	2.60	7.46	6.15	2.79	8.88	6.15	2.94	8.88	5.99	3.18
	26	18	9.34	7.27	2.22	8.85	6.89	2.60	8.44	6.71	2.79	9.15	6.71	2.94	9.15	6.54	3.18
	27	19	10.45	7.76	2.22	9.90	7.35	2.60	9.44	7.17	2.79	9.29	7.17	2.94	8.92	6.99	3.18
	30	22	10.77	8.10	2.22	10.19	7.67	2.60	9.73	7.47	2.79	9.57	7.47	2.94	9.19	7.28	3.18
	32	24	10.97	8.46	2.22	10.39	8.01	2.60	9.91	7.81	2.79	9.75	7.81	2.94	9.36	7.61	3.18
L	20	14	6.64	5.55	2.17	6.29	5.26	2.54	6.00	5.13	2.73	8.34	5.13	2.88	8.34	5.00	3.11
	23	16	8.08	6.51	2.17	7.65	6.17	2.54	7.30	6.01	2.73	8.69	6.01	2.88	8.69	5.86	3.11
	26	18	9.14	7.11	2.17	8.65	6.74	2.54	8.26	6.57	2.73	8.95	6.57	2.88	8.95	6.40	3.11
	27	19	10.23	7.60	2.17	9.68	7.19	2.54	9.24	7.01	2.73	9.09	7.01	2.88	8.73	6.83	3.11
	30	22	10.53	7.92	2.17	9.97	7.50	2.54	9.52	7.31	2.73	9.36	7.31	2.88	8.99	7.13	3.11
	32	24	10.73	8.28	2.17	10.16	7.84	2.54	9.70	7.64	2.73	9.54	7.64	2.88	9.16	7.45	3.11

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	Equivalent Piping Length
Indoor:27°C/19°C Outdoor:35°C	5m

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

GUD125ZD/A1-K

Fan Speed	Indoor Air Temperature(°C)		Outdoor Dry Bulb Temperature °C														
			20			25			30			35			40		
	DB	WB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
Turbo	20	14	8.76	7.41	3.17	8.30	7.01	3.71	7.92	6.84	3.98	11.01	6.84	4.20	11.01	6.66	4.54
	23	16	10.67	8.69	3.17	10.10	8.22	3.71	9.64	8.02	3.98	11.47	8.02	4.20	11.47	7.82	4.54
	26	18	12.06	9.49	3.17	11.42	8.98	3.71	10.90	8.76	3.98	11.82	8.76	4.20	11.82	8.54	4.54
	27	19	13.50	10.13	3.17	12.78	9.59	3.71	12.20	9.35	3.98	12.00	9.35	4.20	11.52	9.11	4.54
	30	22	13.91	10.56	3.17	13.17	10.00	3.71	12.56	9.75	3.98	12.36	9.75	4.20	11.87	9.50	4.54
	32	24	14.17	11.04	3.17	13.42	10.45	3.71	12.80	10.19	3.98	12.59	10.19	4.20	12.09	9.93	4.54
H	20	14	8.50	7.18	3.07	8.05	6.80	3.59	7.68	6.63	3.86	10.68	6.63	4.07	10.68	6.46	4.40
	23	16	10.35	8.43	3.07	9.80	7.98	3.59	9.35	7.78	3.86	11.12	7.78	4.07	11.12	7.58	4.40
	26	18	11.70	9.20	3.07	11.08	8.71	3.59	10.57	8.50	3.86	11.47	8.50	4.07	11.47	8.28	4.40
	27	19	13.10	9.83	3.07	12.40	9.30	3.59	11.83	9.07	3.86	11.64	9.07	4.07	11.18	8.84	4.40
	30	22	13.49	10.25	3.07	12.77	9.70	3.59	12.18	9.46	3.86	11.99	9.46	4.07	11.51	9.22	4.40
	32	24	13.74	10.71	3.07	13.01	10.14	3.59	12.42	9.88	3.86	12.22	9.88	4.07	11.73	9.63	4.40
M	20	14	8.06	6.81	2.91	7.64	6.45	3.41	7.28	6.29	3.66	10.13	6.29	3.86	10.13	6.13	4.17
	23	16	9.81	7.99	2.91	9.29	7.57	3.41	8.87	7.38	3.66	10.55	7.38	3.86	10.55	7.19	4.17
	26	18	11.10	8.73	2.91	10.51	8.27	3.41	10.03	8.06	3.66	10.87	8.06	3.86	10.87	7.85	4.17
	27	19	12.42	9.32	2.91	11.76	8.82	3.41	11.22	8.60	3.66	11.04	8.60	3.86	10.60	8.38	4.17
	30	22	12.79	9.72	2.91	12.11	9.20	3.41	11.56	8.97	3.66	11.37	8.97	3.86	10.92	8.74	4.17
	32	24	13.04	10.15	2.91	12.34	9.61	3.41	11.78	9.37	3.66	11.59	9.37	3.86	11.12	9.14	4.17
L	20	14	7.89	6.66	2.85	7.47	6.31	3.34	7.13	6.15	3.58	9.91	6.15	3.78	9.91	6.00	4.08
	23	16	9.60	7.82	2.85	9.09	7.40	3.34	8.67	7.22	3.58	10.32	7.22	3.78	10.32	7.03	4.08
	26	18	10.86	8.54	2.85	10.28	8.09	3.34	9.81	7.88	3.58	10.64	7.88	3.78	10.64	7.68	4.08
	27	19	12.15	9.12	2.85	11.50	8.63	3.34	10.98	8.42	3.58	10.80	8.42	3.78	10.37	8.20	4.08
	30	22	12.51	9.51	2.85	11.85	9.00	3.34	11.31	8.77	3.58	11.12	8.77	3.78	10.68	8.55	4.08
	32	24	12.75	9.93	2.85	12.07	9.41	3.34	11.52	9.17	3.58	11.34	9.17	3.78	10.88	8.94	4.08

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	Equivalent Piping Length
Indoor:27°C/19°C Outdoor:35°C	5m

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

GU140ZD/A1-K

Fan Speed	Indoor Air Temperature(°C)		Outdoor Dry Bulb Temperature °C														
			20			25			30			35			40		
	DB	WB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
Turbo	20	14	10.30	9.02	3.39	9.75	8.54	3.97	9.30	8.33	4.26	12.93	8.33	4.50	12.93	8.12	4.86
	23	16	12.53	10.58	3.39	11.87	10.02	3.97	11.32	9.77	4.26	13.47	9.77	4.50	13.47	9.52	4.86
	26	18	14.18	11.56	3.39	13.42	10.94	3.97	12.81	10.67	4.26	13.89	10.67	4.50	13.89	10.40	4.86
	27	19	15.86	12.34	3.39	15.02	11.68	3.97	14.33	11.39	4.26	14.10	11.39	4.50	13.54	11.10	4.86
	30	22	16.34	12.87	3.39	15.47	12.18	3.97	14.76	11.88	4.26	14.52	11.88	4.50	13.94	11.58	4.86
	32	24	16.65	13.45	3.39	15.76	12.73	3.97	15.04	12.41	4.26	14.80	12.41	4.50	14.21	12.10	4.86
H	20	14	9.99	8.75	3.29	9.46	8.29	3.85	9.02	8.08	4.14	12.54	8.08	4.37	12.54	7.87	4.71
	23	16	12.16	10.26	3.29	11.51	9.72	3.85	10.98	9.47	4.14	13.07	9.47	4.37	13.07	9.24	4.71
	26	18	13.75	11.21	3.29	13.02	10.62	3.85	12.42	10.35	4.14	13.47	10.35	4.37	13.47	10.09	4.71
	27	19	15.39	11.97	3.29	14.57	11.33	3.85	13.90	11.05	4.14	13.68	11.05	4.37	13.13	10.77	4.71
	30	22	15.85	12.48	3.29	15.01	11.82	3.85	14.32	11.52	4.14	14.09	11.52	4.37	13.52	11.23	4.71
	32	24	16.15	13.04	3.29	15.29	12.35	3.85	14.59	12.04	4.14	14.35	12.04	4.37	13.78	11.73	4.71
M	20	14	9.47	8.30	3.12	8.97	7.86	3.65	8.56	7.66	3.92	11.90	7.66	4.14	11.90	7.47	4.47
	23	16	11.53	9.74	3.12	10.92	9.22	3.65	10.42	8.99	3.92	12.39	8.99	4.14	12.39	8.76	4.47
	26	18	13.04	10.63	3.12	12.35	10.07	3.65	11.78	9.82	3.92	12.78	9.82	4.14	12.78	9.57	4.47
	27	19	14.59	11.35	3.12	13.82	10.75	3.65	13.18	10.48	3.92	12.97	10.48	4.14	12.45	10.21	4.47
	30	22	15.03	11.84	3.12	14.23	11.21	3.65	13.58	10.93	3.92	13.36	10.93	4.14	12.83	10.65	4.47
	32	24	15.32	12.37	3.12	14.50	11.71	3.65	13.84	11.42	3.92	13.62	11.42	4.14	13.07	11.13	4.47
L	20	14	9.27	8.12	3.05	8.78	7.69	3.57	8.37	7.49	3.84	11.64	7.49	4.05	11.64	7.30	4.37
	23	16	11.28	9.52	3.05	10.68	9.02	3.57	10.19	8.79	3.84	12.12	8.79	4.05	12.12	8.57	4.37
	26	18	12.76	10.40	3.05	12.08	9.85	3.57	11.53	9.60	3.84	12.50	9.60	4.05	12.50	9.36	4.37
	27	19	14.28	11.11	3.05	13.52	10.52	3.57	12.90	10.25	3.84	12.69	10.25	4.05	12.18	9.99	4.37
	30	22	14.70	11.58	3.05	13.92	10.97	3.57	13.28	10.69	3.84	13.07	10.69	4.05	12.55	10.42	4.37
	32	24	14.98	12.10	3.05	14.19	11.46	3.57	13.54	11.17	3.84	13.32	11.17	4.05	12.79	10.89	4.37

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	Equivalent Piping Length
Indoor:27°C/19°C Outdoor:35°C	7.5m

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

GU160ZD/A1-K

Fan Speed	Indoor Air Temperature(°C)		Outdoor Dry Bulb Temperature °C														
			20			25			30			35			40		
	DB	WB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
Turbo	20	14	11.54	9.82	4.15	10.93	9.30	4.85	10.43	9.07	5.21	14.49	9.07	5.50	14.49	8.84	5.94
	23	16	14.04	11.52	4.15	13.30	10.91	4.85	12.69	10.63	5.21	15.10	10.63	5.50	15.10	10.36	5.94
	26	18	15.88	12.58	4.15	15.04	11.91	4.85	14.35	11.61	5.21	15.56	11.61	5.50	15.56	11.32	5.94
	27	19	17.78	13.43	4.15	16.83	12.72	4.85	16.06	12.40	5.21	15.80	12.40	5.50	15.17	12.09	5.94
	30	22	18.31	14.01	4.15	17.34	13.26	4.85	16.54	12.93	5.21	16.27	12.93	5.50	15.62	12.60	5.94
	32	24	18.66	14.64	4.15	17.66	13.86	4.85	16.85	13.51	5.21	16.58	13.51	5.50	15.92	13.17	5.94
H	20	14	11.19	9.53	4.02	10.60	9.02	4.71	10.11	8.79	5.06	14.06	8.79	5.34	14.06	8.57	5.76
	23	16	13.62	11.17	4.02	12.90	10.58	4.71	12.31	10.31	5.06	14.64	10.31	5.34	14.64	10.05	5.76
	26	18	15.41	12.21	4.02	14.59	11.56	4.71	13.92	11.27	5.06	15.10	11.27	5.34	15.10	10.98	5.76
	27	19	17.24	13.03	4.02	16.33	12.34	4.71	15.58	12.03	5.06	15.33	12.03	5.34	14.71	11.72	5.76
	30	22	17.76	13.59	4.02	16.82	12.87	4.71	16.04	12.54	5.06	15.79	12.54	5.34	15.16	12.23	5.76
	32	24	18.10	14.20	4.02	17.13	13.44	4.71	16.35	13.11	5.06	16.09	13.11	5.34	15.44	12.77	5.76
M	20	14	10.62	9.04	3.82	10.05	8.56	4.47	9.59	8.34	4.80	13.33	8.34	5.06	13.33	8.13	5.46
	23	16	12.92	10.60	3.82	12.23	10.04	4.47	11.67	9.78	4.80	13.89	9.78	5.06	13.89	9.54	5.46
	26	18	14.61	11.58	3.82	13.84	10.96	4.47	13.20	10.69	4.80	14.32	10.69	5.06	14.32	10.42	5.46
	27	19	16.35	12.36	3.82	15.48	11.70	4.47	14.77	11.41	4.80	14.54	11.41	5.06	13.96	11.12	5.46
	30	22	16.84	12.89	3.82	15.95	12.20	4.47	15.22	11.90	4.80	14.97	11.90	5.06	14.37	11.60	5.46
	32	24	17.16	13.47	3.82	16.25	12.75	4.47	15.51	12.43	4.80	15.26	12.43	5.06	14.65	12.12	5.46
L	20	14	10.39	8.84	3.73	9.83	8.37	4.37	9.38	8.16	4.69	13.04	8.16	4.95	13.04	7.95	5.35
	23	16	12.64	10.37	3.73	11.97	9.82	4.37	11.42	9.57	4.69	13.59	9.57	4.95	13.59	9.33	5.35
	26	18	14.30	11.32	3.73	13.54	10.72	4.37	12.91	10.45	4.69	14.01	10.45	4.95	14.01	10.19	5.35
	27	19	16.00	12.09	3.73	15.15	11.45	4.37	14.45	11.16	4.69	14.22	11.16	4.95	13.65	10.88	5.35
	30	22	16.48	12.61	3.73	15.60	11.94	4.37	14.89	11.64	4.69	14.65	11.64	4.95	14.06	11.34	5.35
	32	24	16.79	13.17	3.73	15.90	12.47	4.37	15.17	12.16	4.69	14.92	12.16	4.95	14.33	11.85	5.35

Note:

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

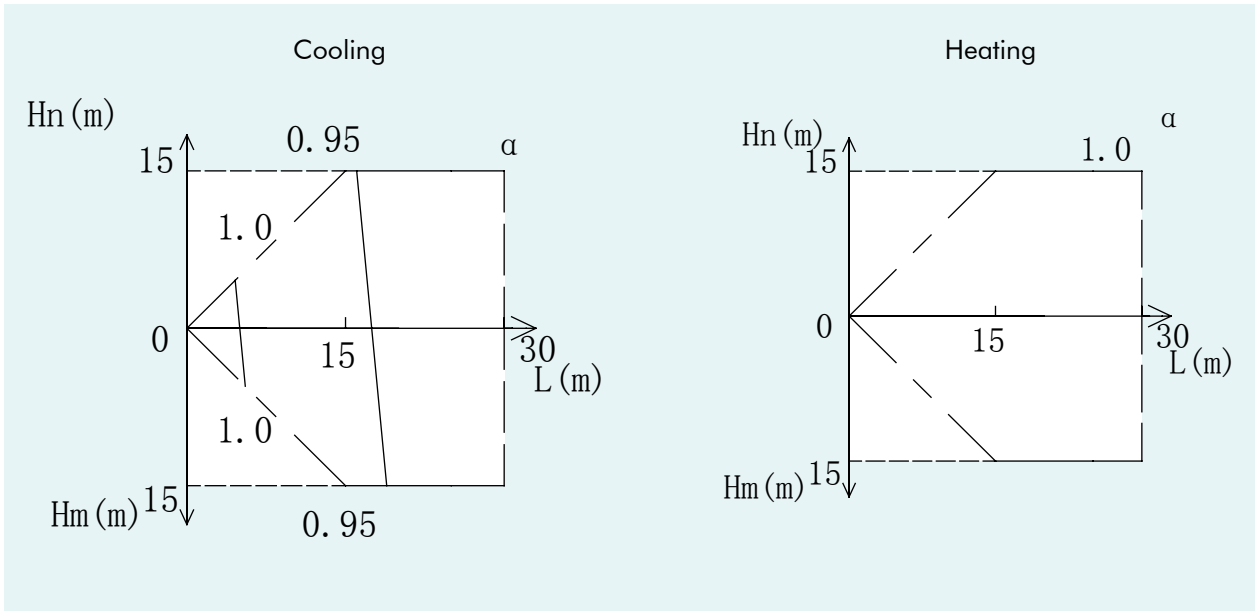
1. The above data are based on the following conditions.

Cooling	Equivalent Piping Length
Indoor:27°C/19°C Outdoor:35°C	7.5m

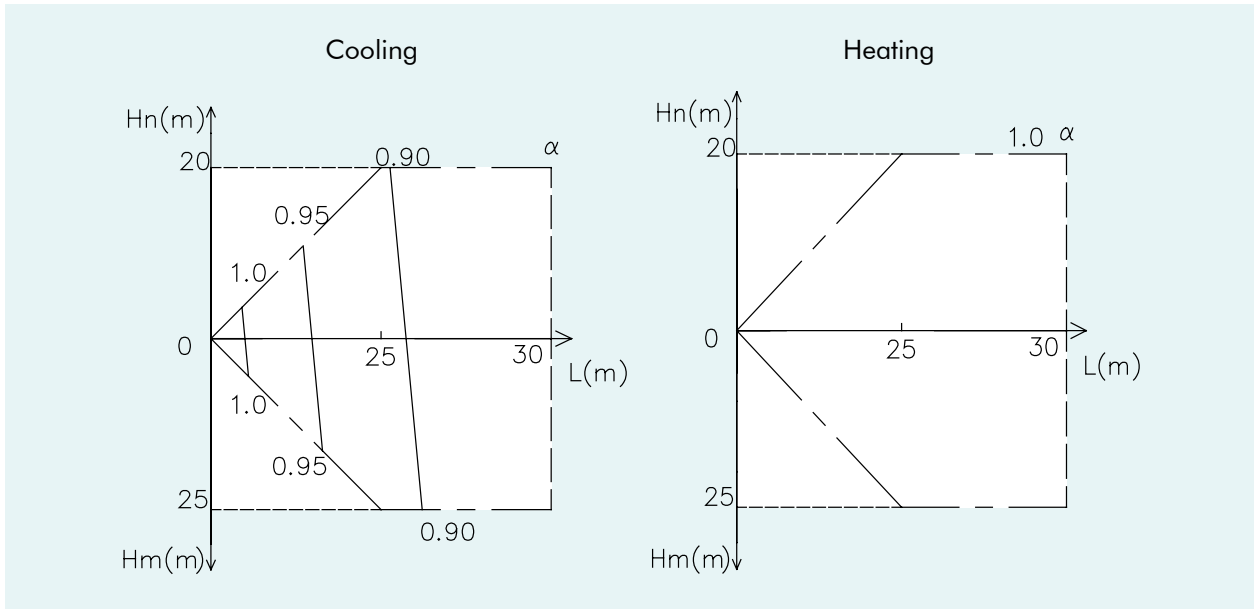
2.Capacities are net,including a deduction for cooling(an addition for heating) for indoor fan motor heat.

6.2 Pipe Length Drop Capacity Correction

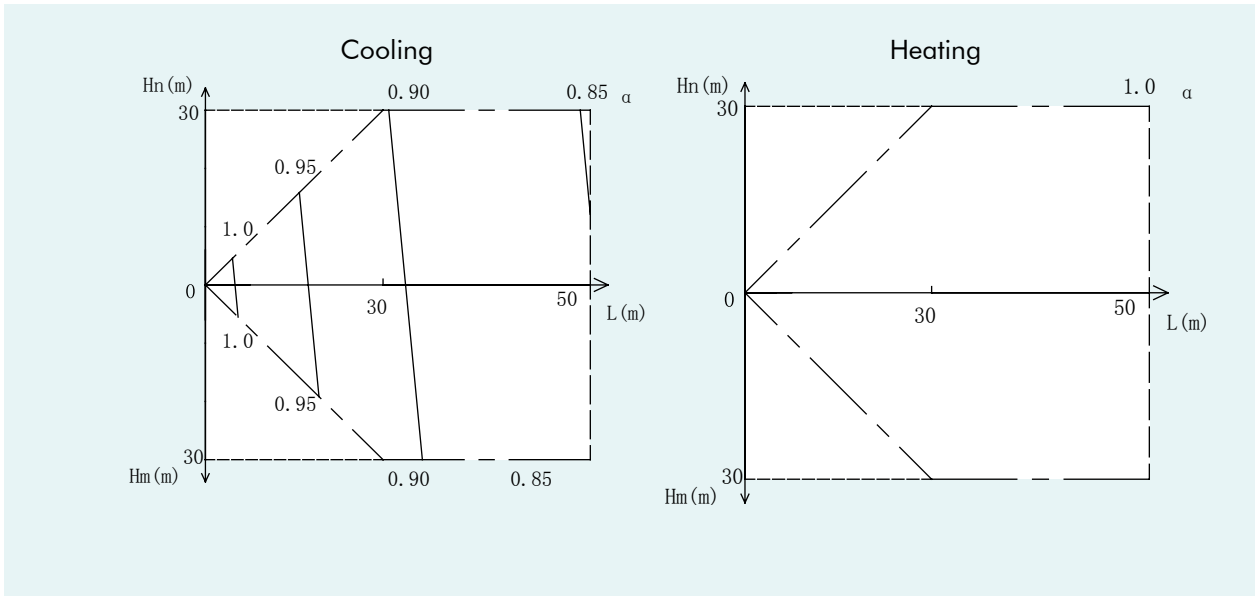
GUD50T/A1-K, GU50P/A1-K, GU50PS/A1-K, GU50ZD/A1-K
 GU71T/A1-K, GU71P/A1-K, GU71PS/A1-K, GU71ZD/A1-K
 GU85T/A1-K, GU85P/A1-K, GU85PS/A1-K, GU85ZD/A1-K



GU100T/A1-K, GU100PH/A1-K, GU100PHS/A1-K, GU100ZD/A1-K



GU125T/A1-K, GU125PH/A1-K, GU125PHS/A1-K, GU125ZD/A1-K
 GU140T/A1-K, GU140PH/A1-K, GU140PHS/A1-K, GU140ZD/A1-K
 GU160T/A1-K, GU160PH/A1-K, GU160PHS/A1-K, GU160ZD/A1-K



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

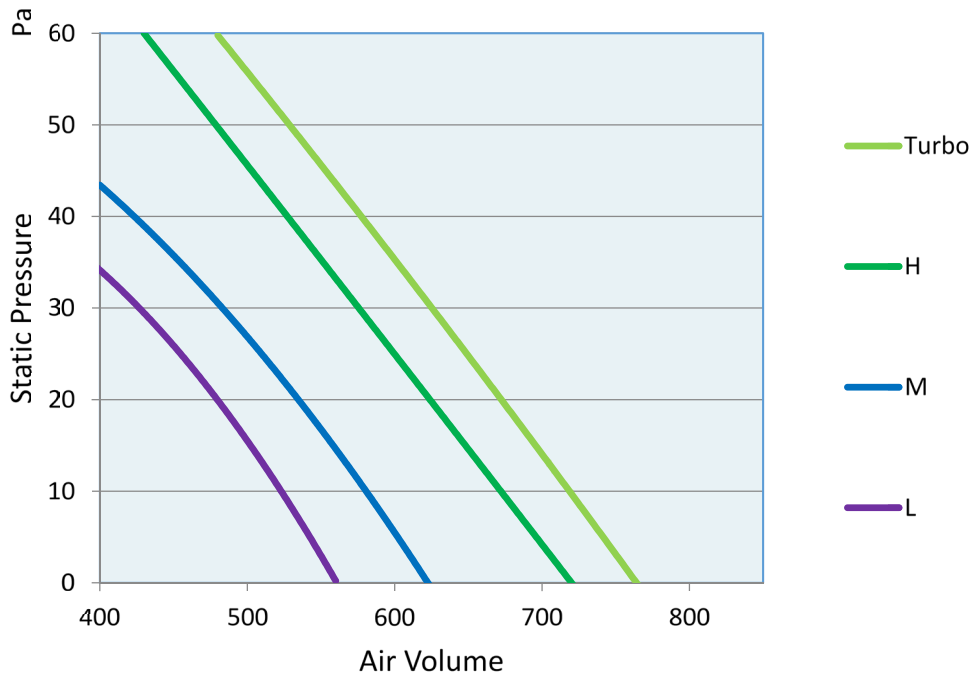
Pipeline dimensions

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

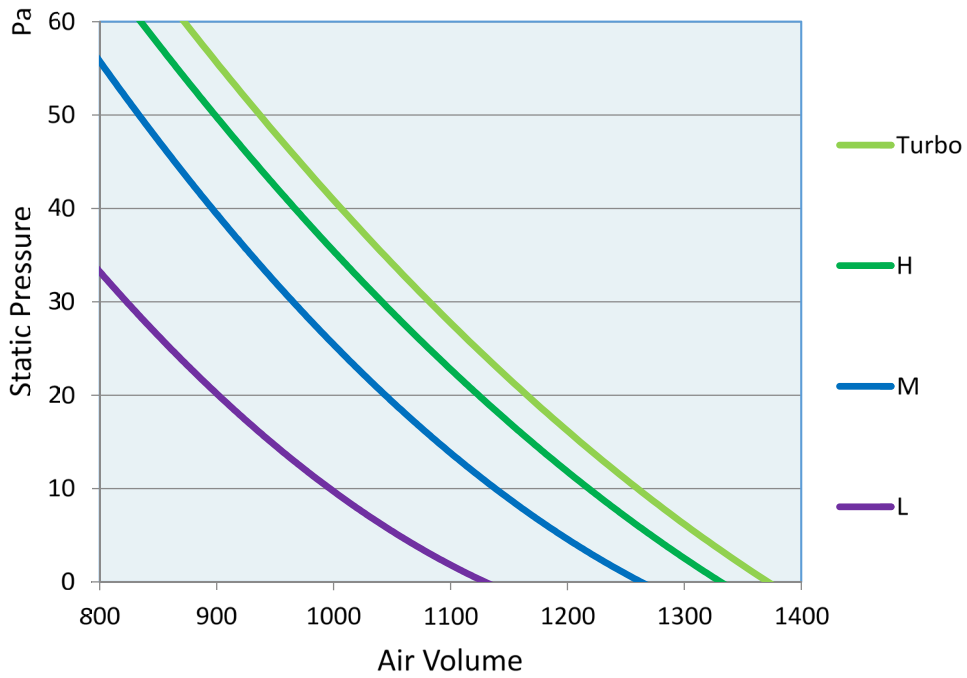
Model	Gas pipe (in.)	Liquid pipe (in.)
GU50W/A1-K	1/2	1/4
GU71W/A1-K	5/8	3/8
GU85W/A1-K		
GU100W/A1-M		
GU125W/A1-M		
GU140W/A1-M		
GU160W/A1-M		

7 AIR VOLUME STATIC PRESSURE CURVE

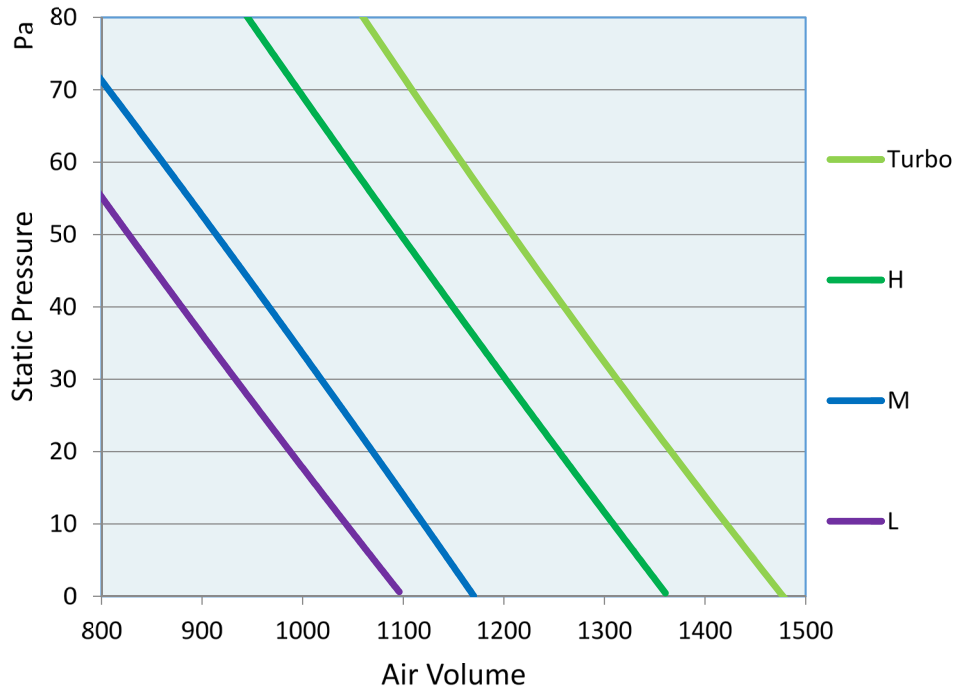
GU50P/A1-K, GU50PS/A1-K



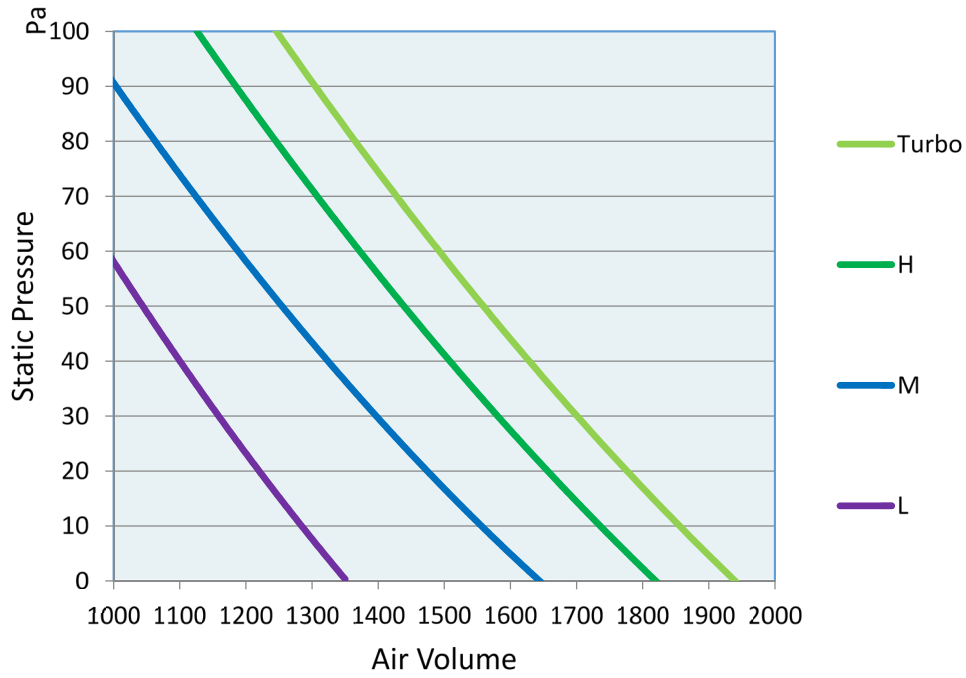
GU71P/A1-K, GU71PS/A1-K



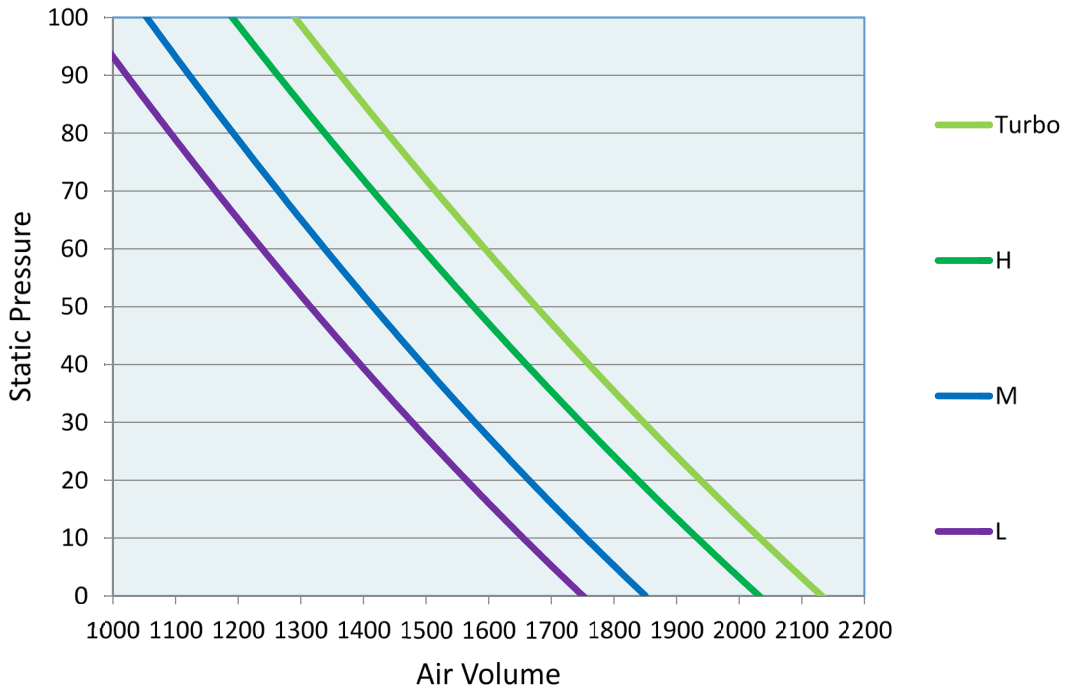
GU85P/A1-K, GU85PS/A1-K



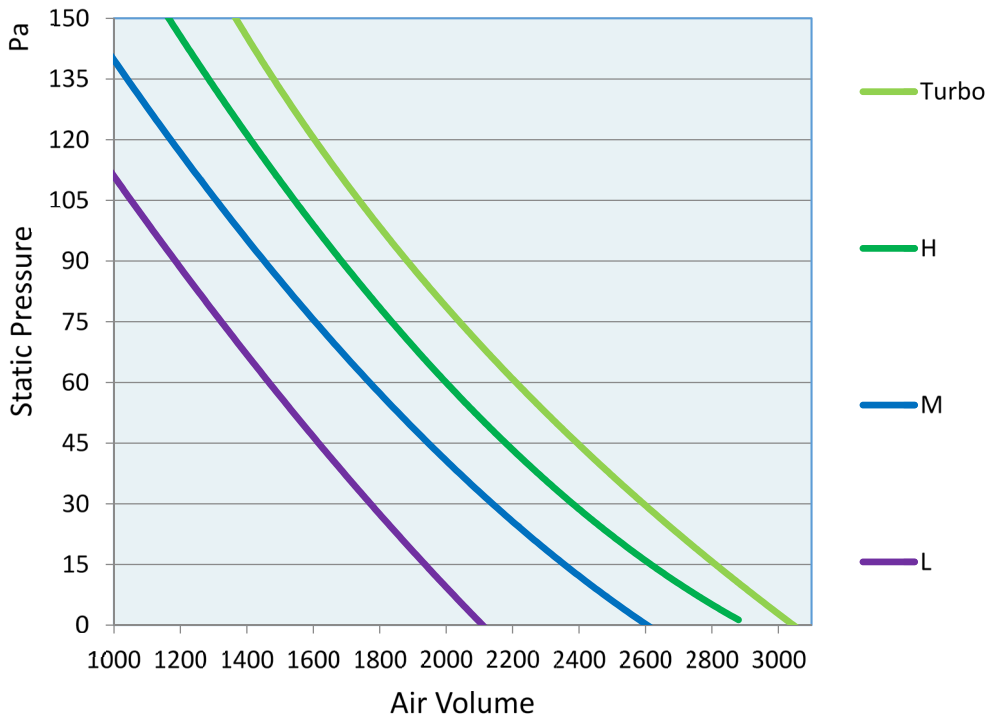
GU100PH/A1-K, GU100PHS/A1-K



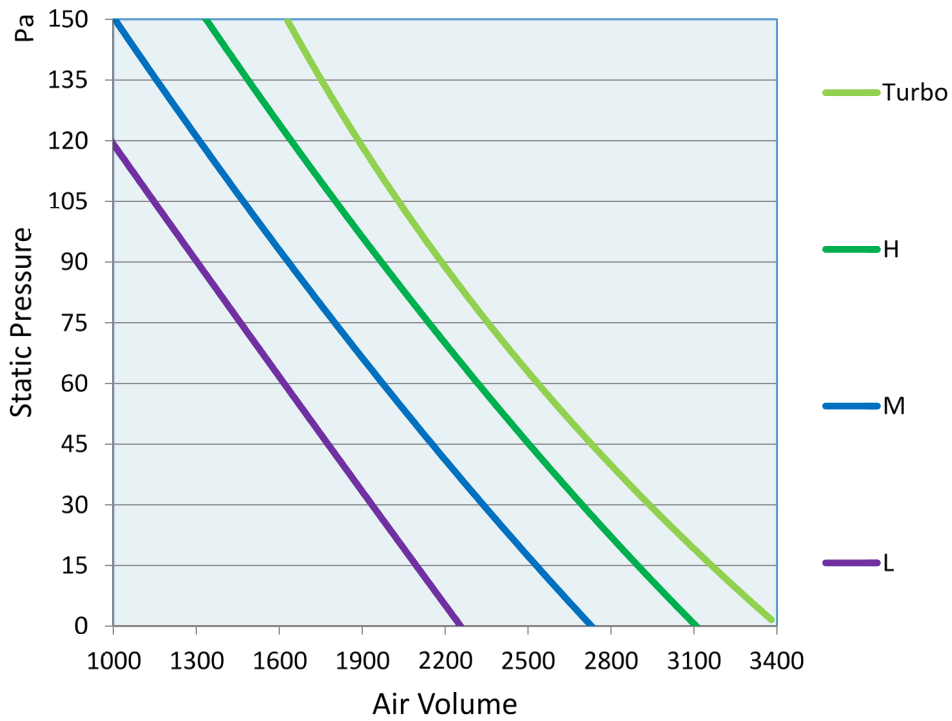
GU125PH/A1-K ,GU125PHS/A1-K



GU140PH/A1-K, GU140PHS/A1-K



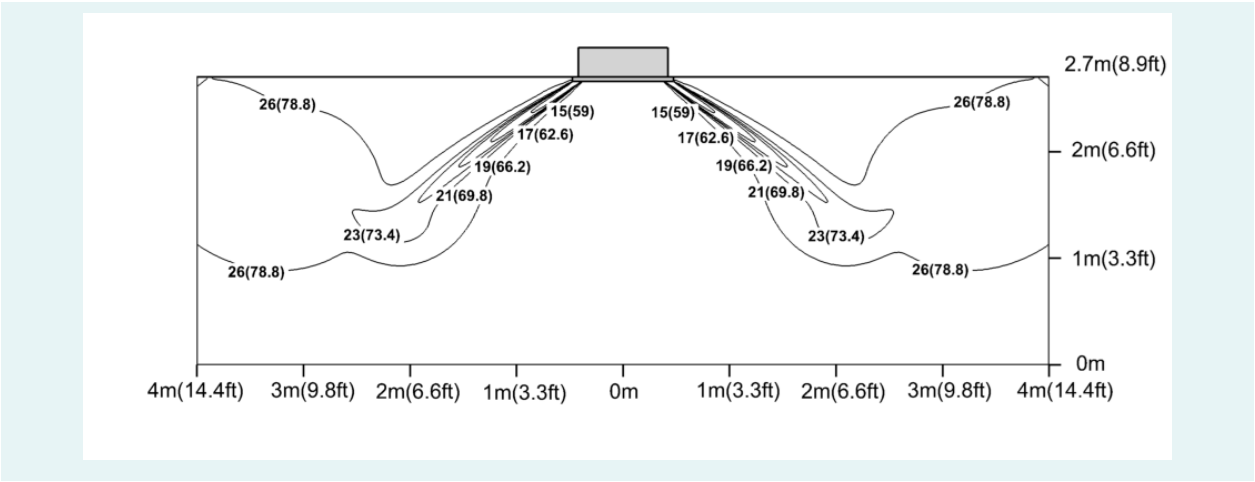
GU160PH/A1-K, GU160PHS/A1-K



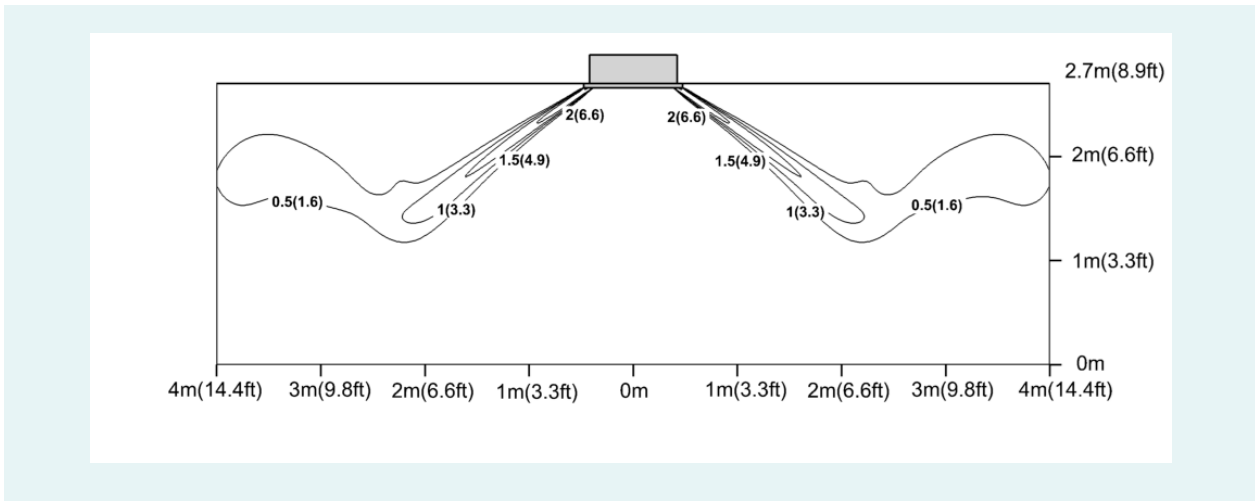
8 AIRFLOW CHART

8.1 Cassette Type

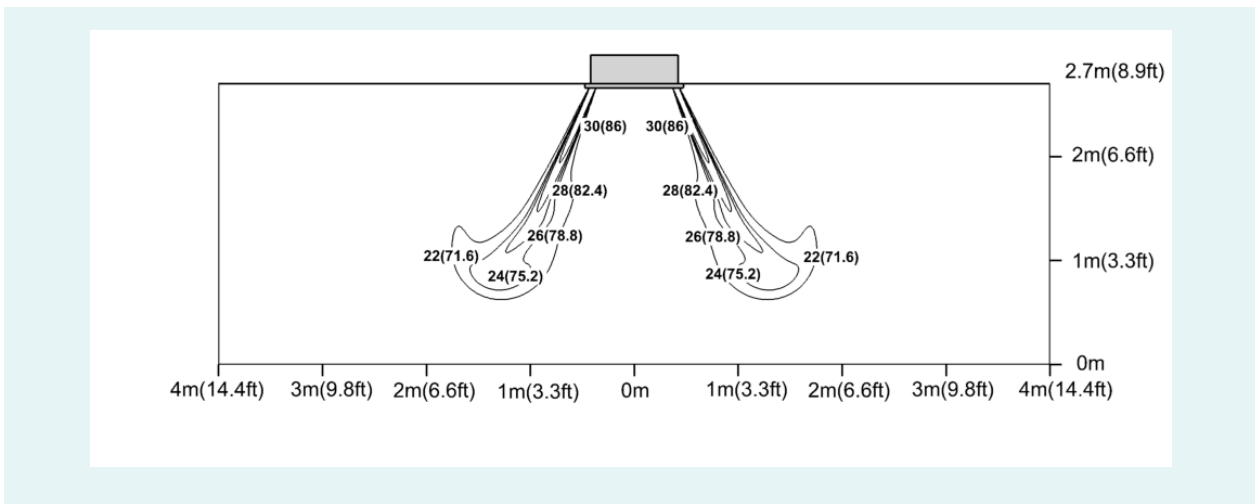
GUD50T/A1-K
Cooling temperature(°C)



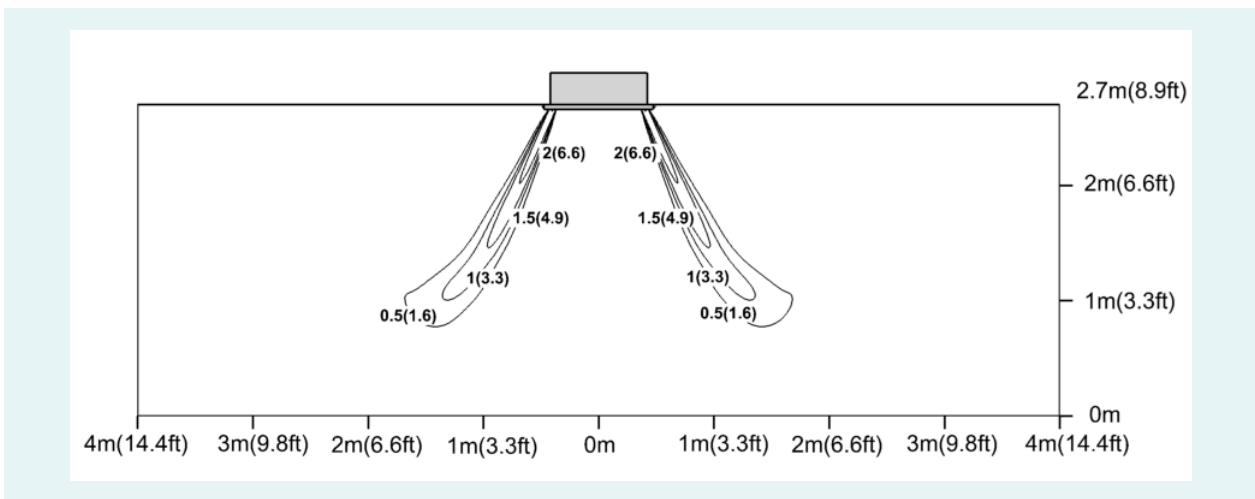
Cooling velocity(m/s)



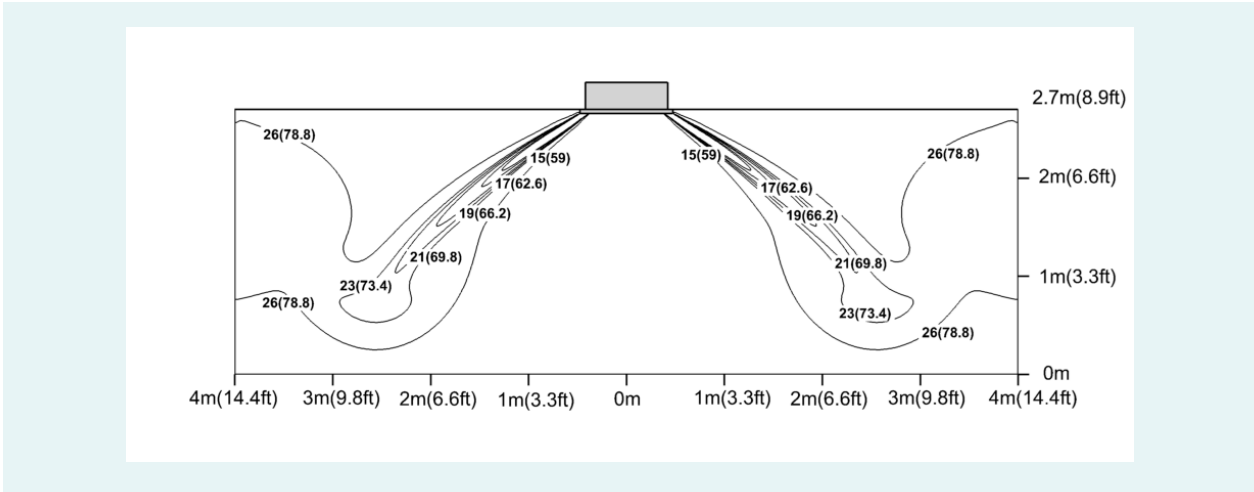
Heating temperature



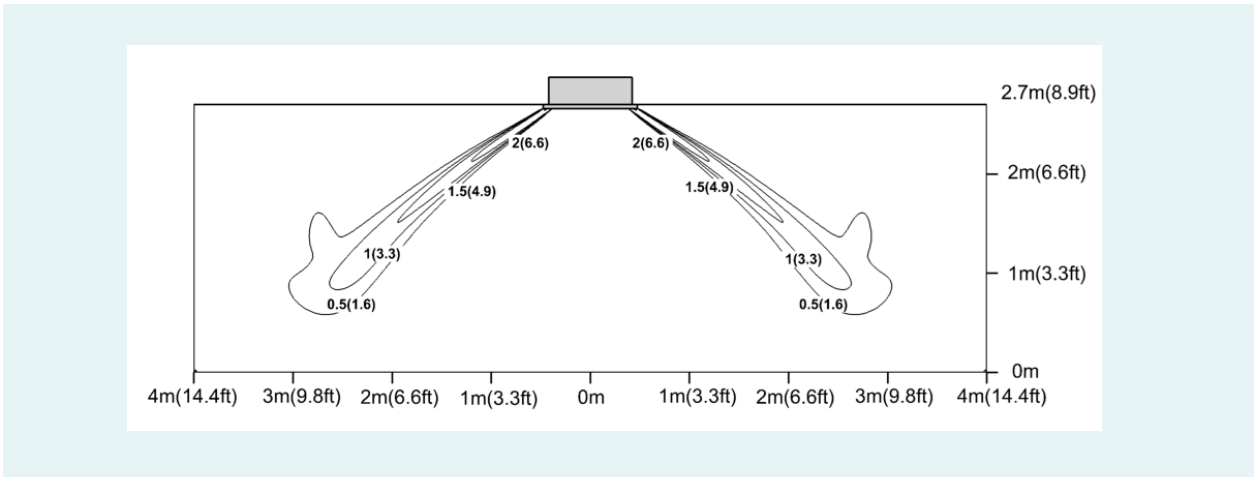
Heating velocity



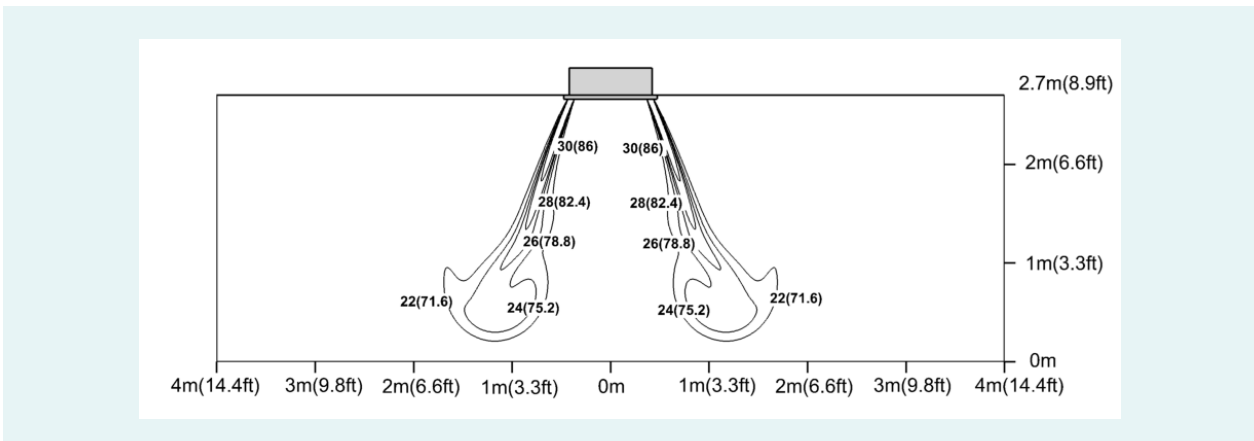
GU71T/A1-K, GU85T/A1-K
Cooling temperature(°C)



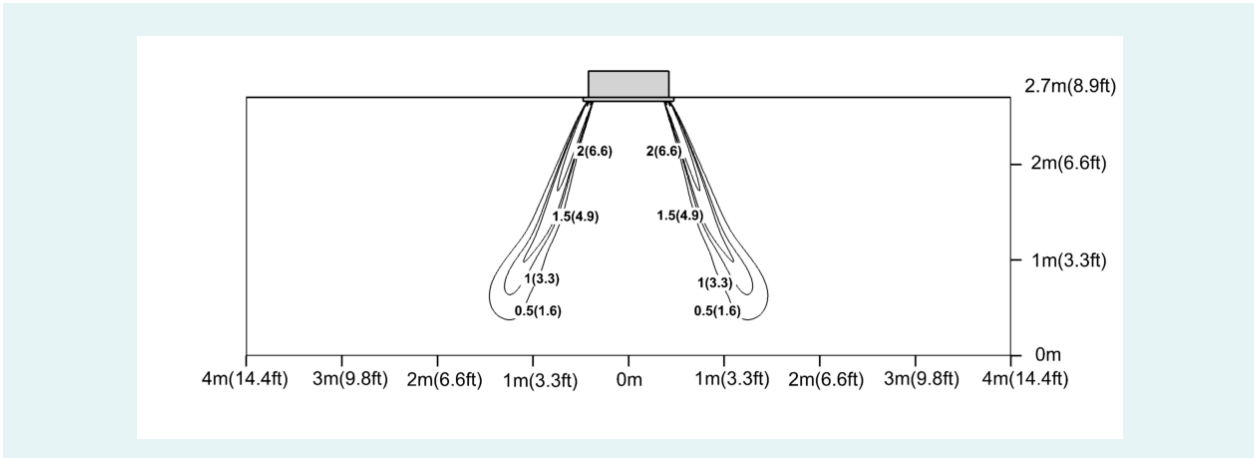
Cooling velocity(m/s)



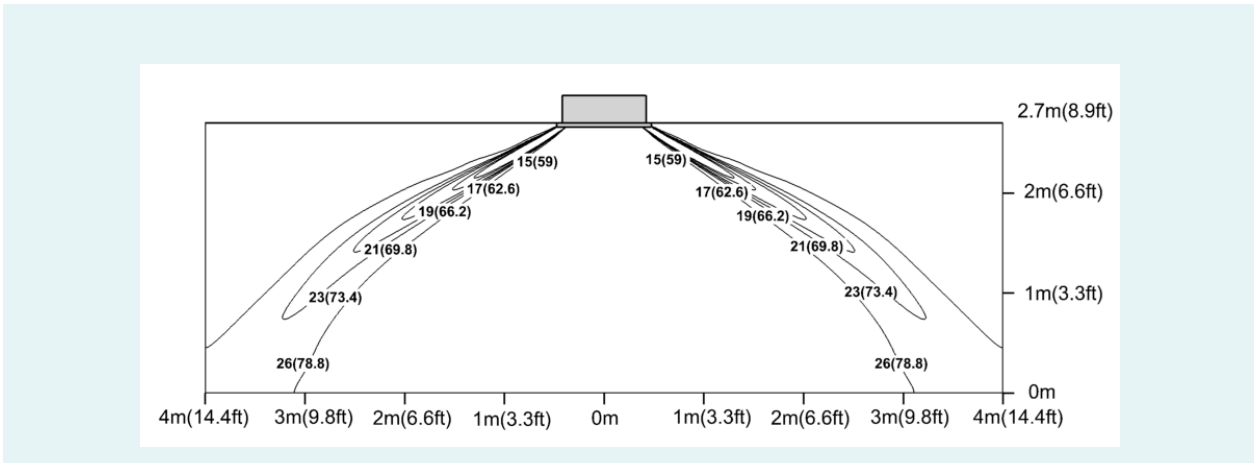
Heating temperature



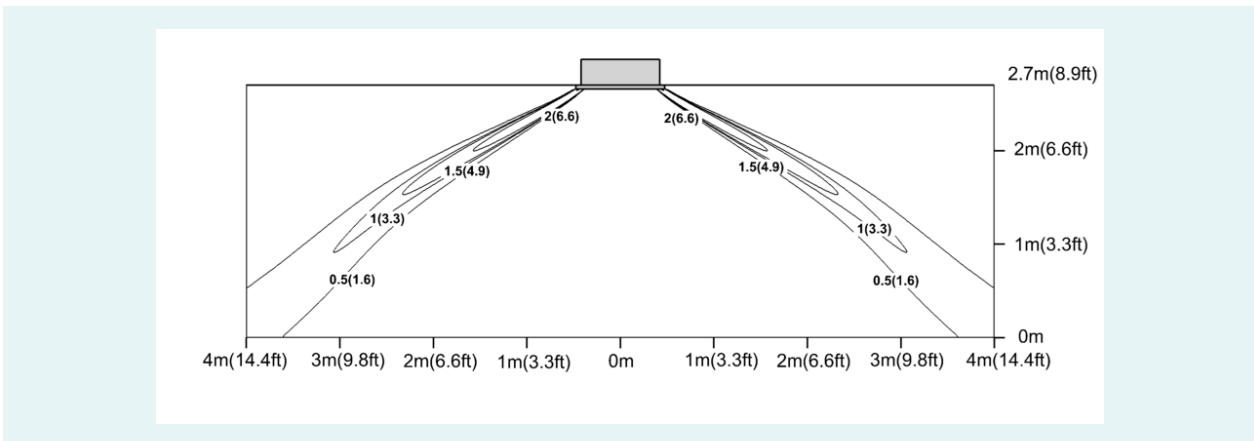
Heating velocity



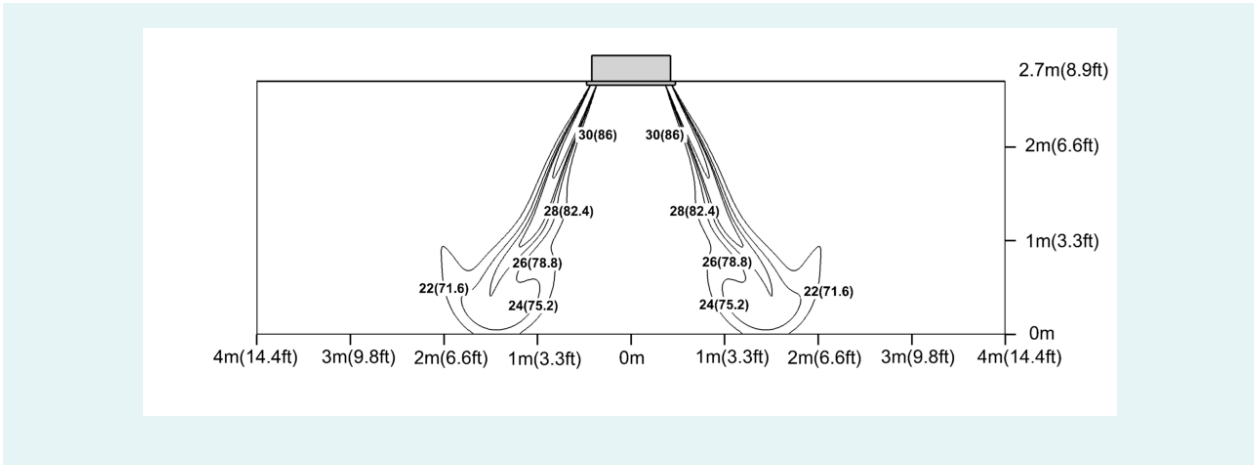
GU100T/A1-K
Cooling temperature(°C)



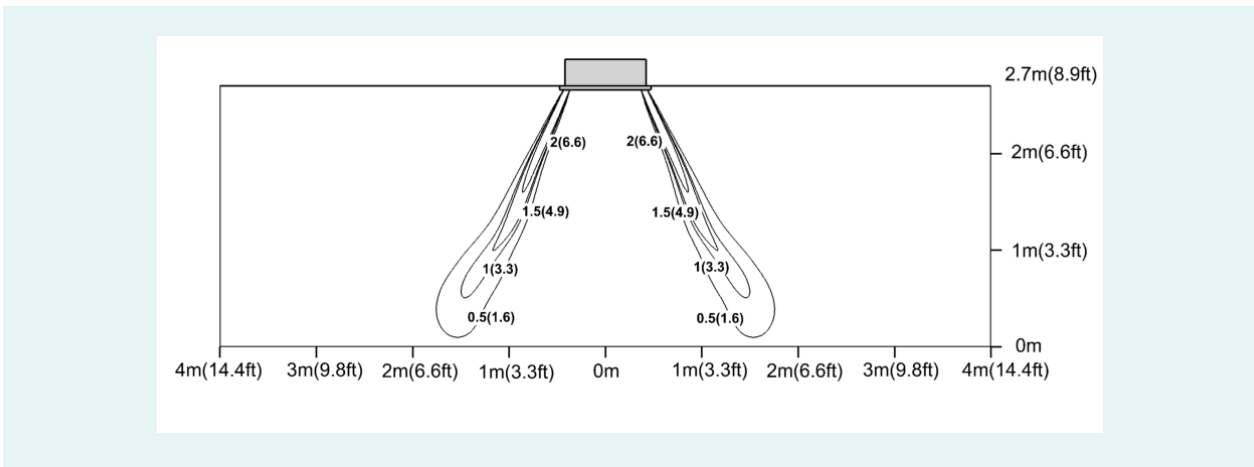
Cooling velocity(m/s)



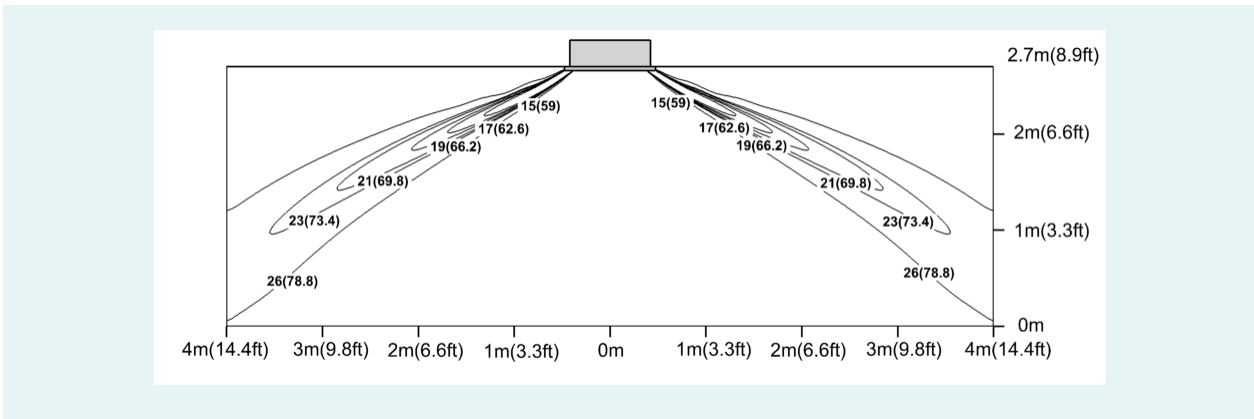
Heating temperature



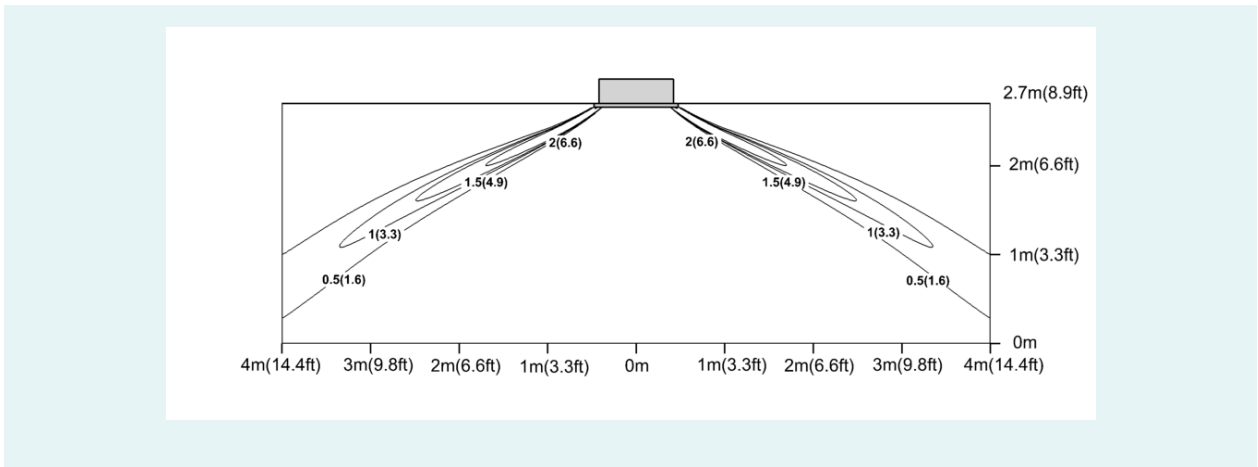
Heating velocity



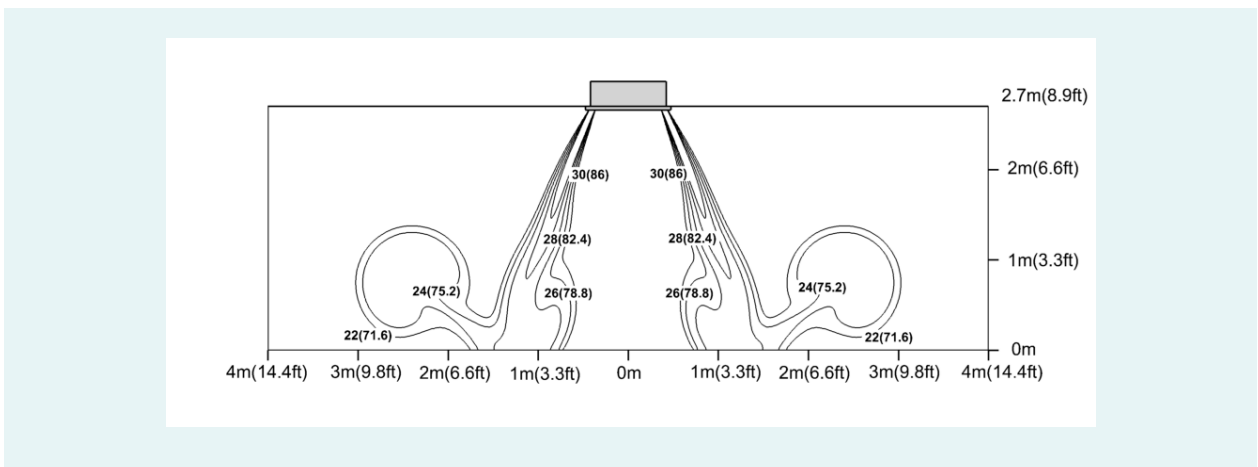
GU125T/A1-K
Cooling temperature



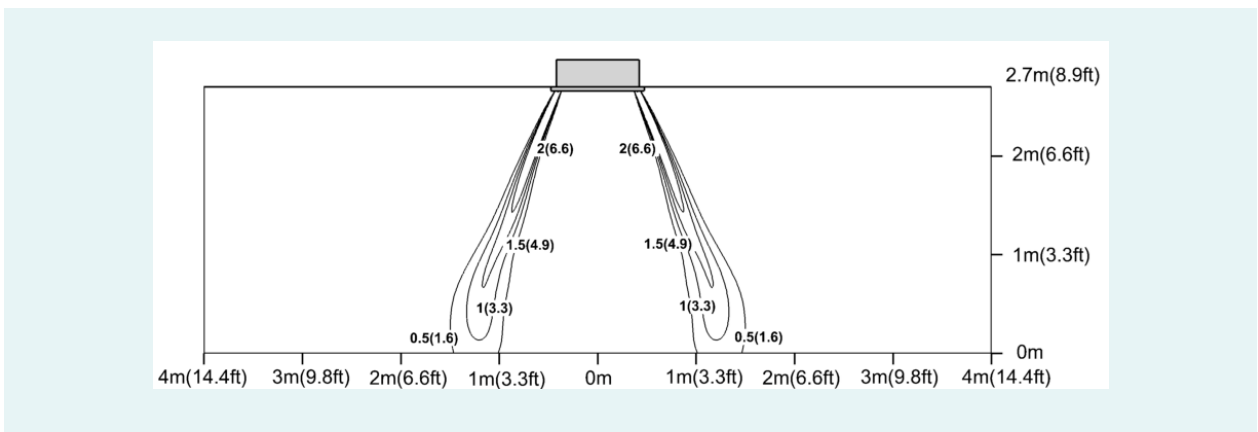
Cooling velocity



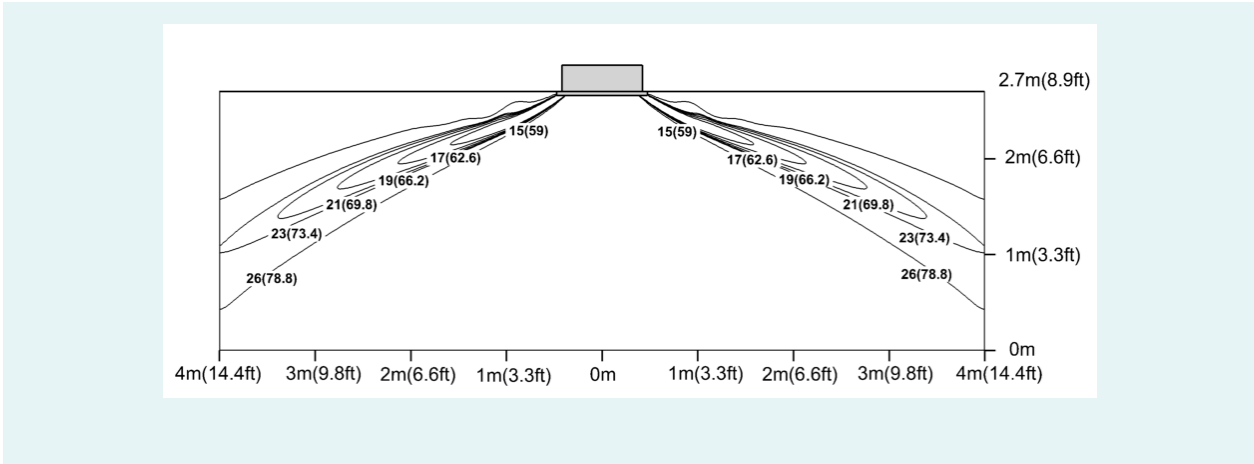
Heating temperature



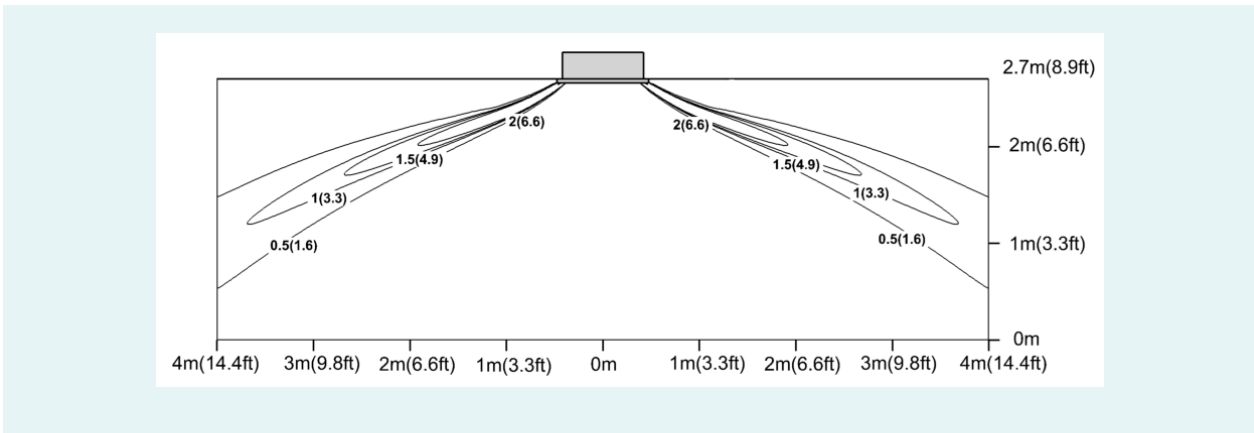
Heating velocity



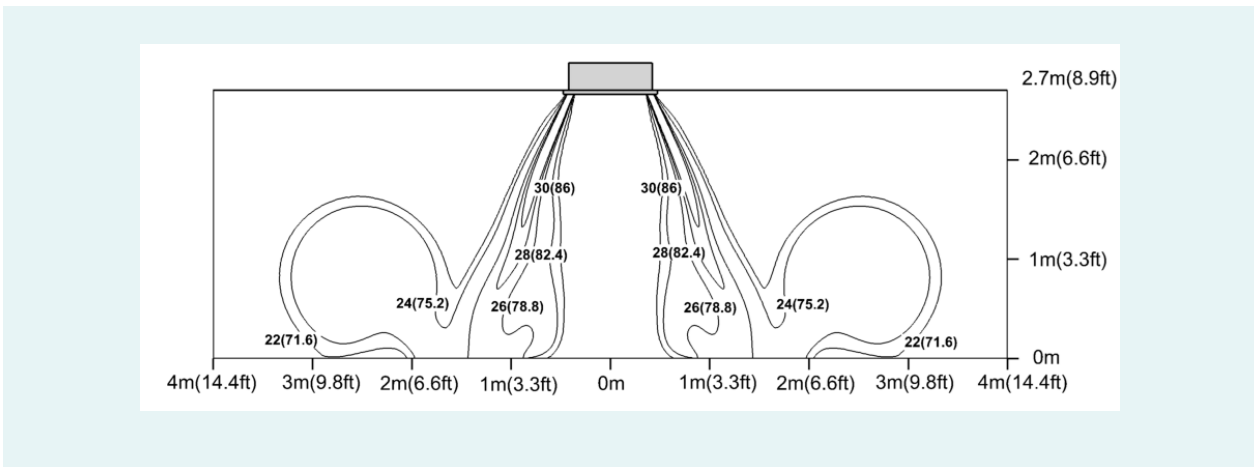
GU140T/A1-K, GU160T/A1-K
Cooling temperature



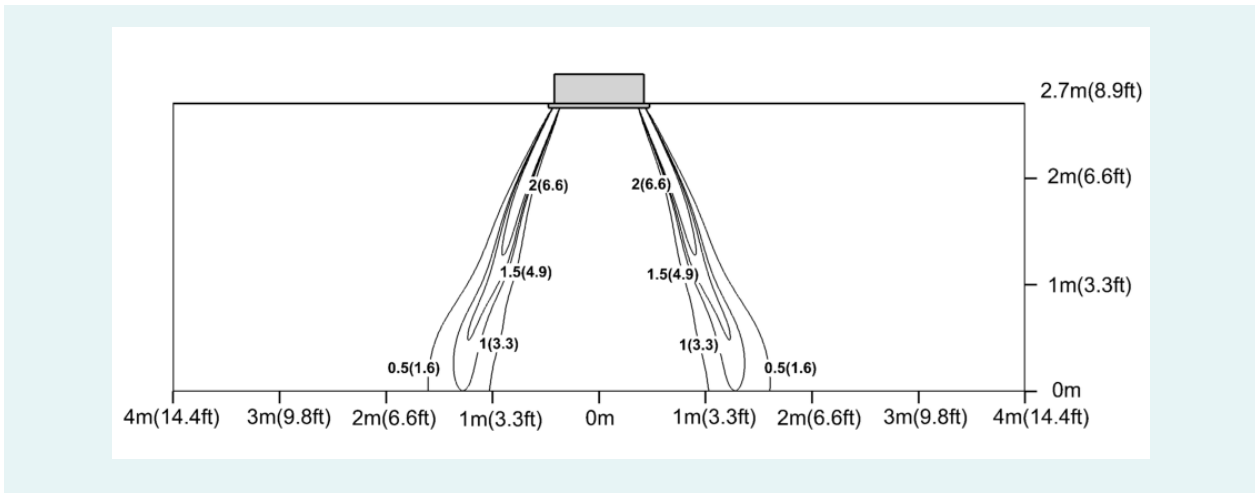
Cooling velocity



Heating temperature

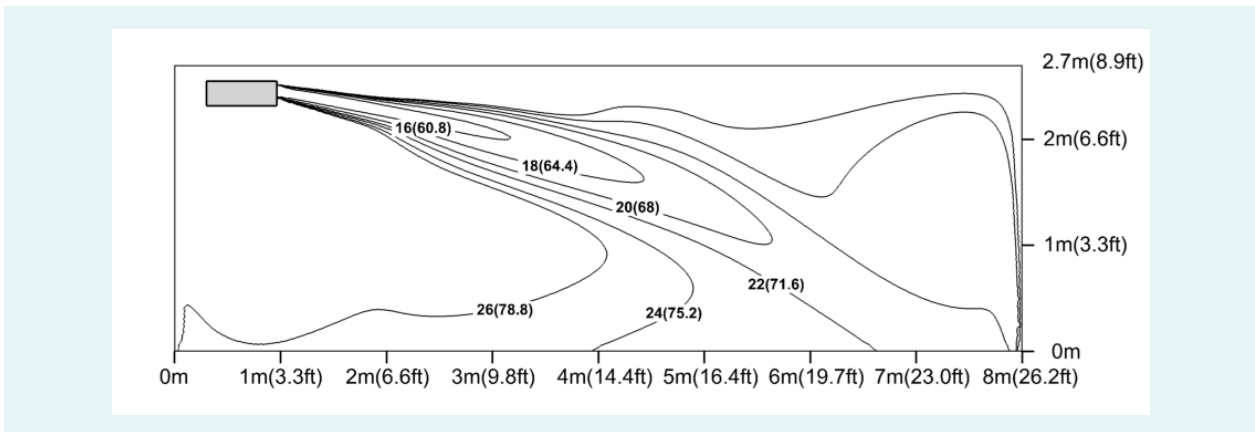


Heating velocity

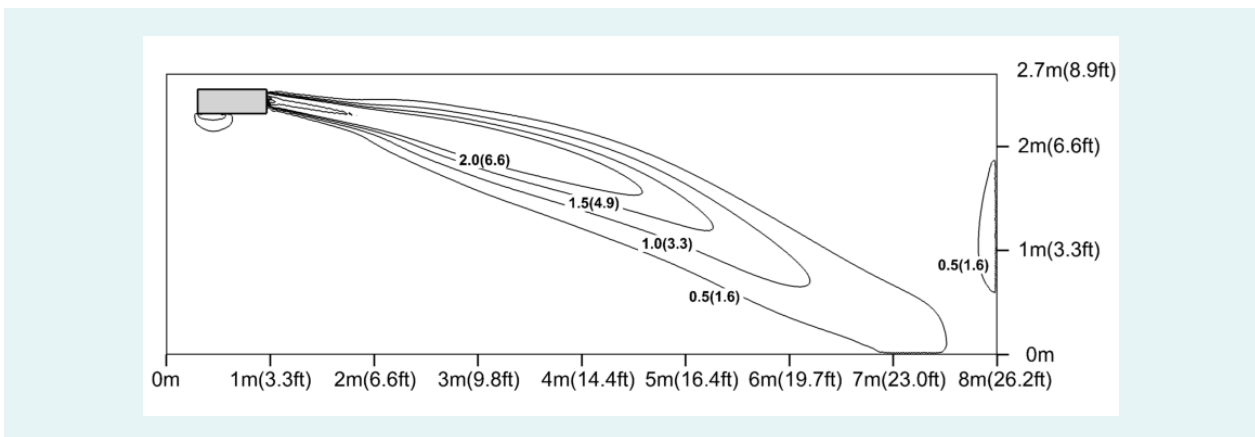


8.2 Floor Ceiling Type

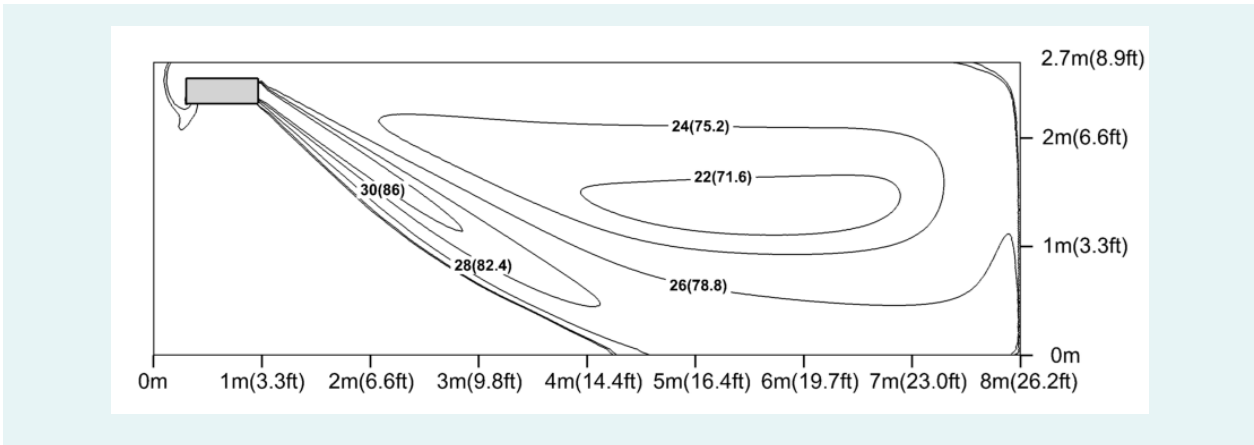
GU50ZD/A1-K
Cooling temperature



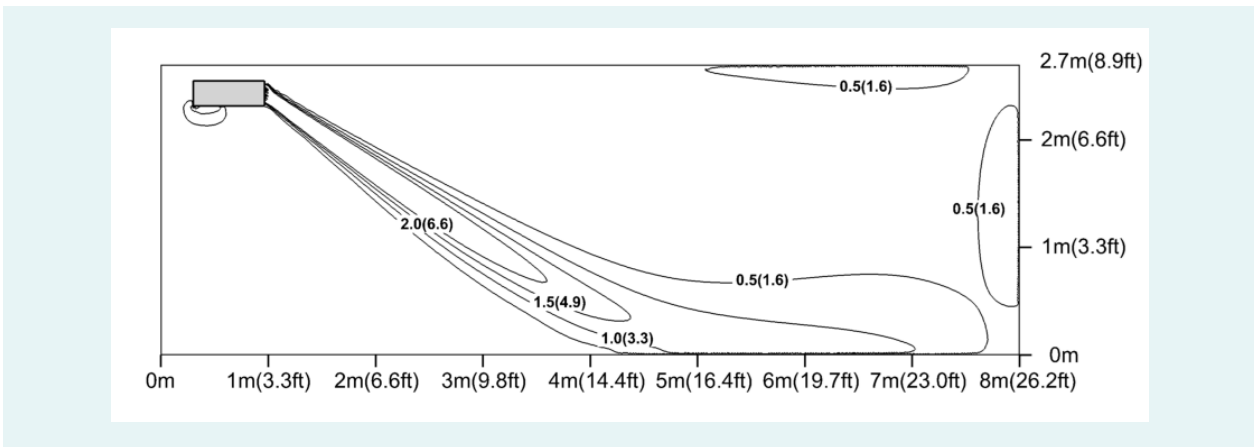
Cooling velocity



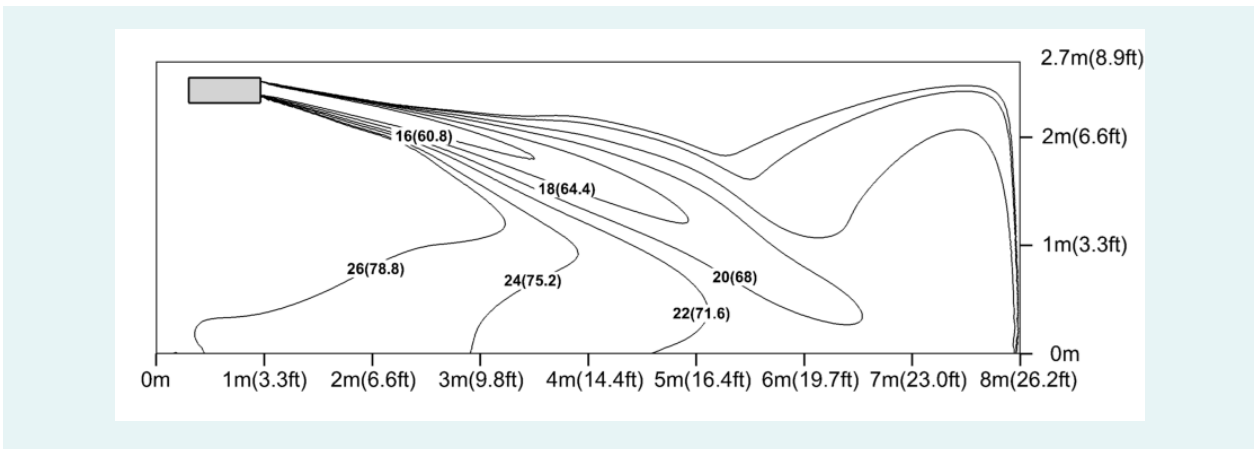
Heating temperature



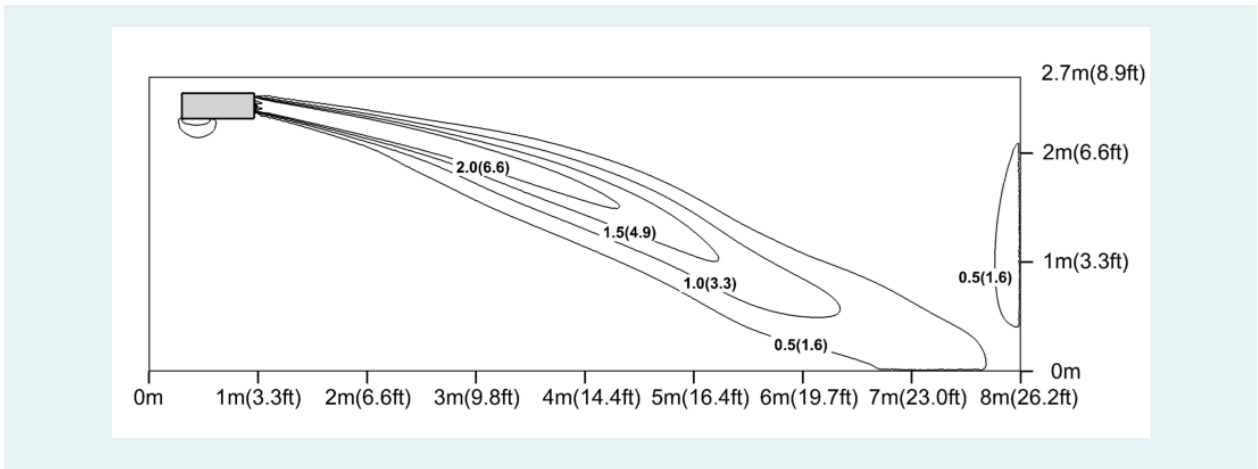
Heating velocity



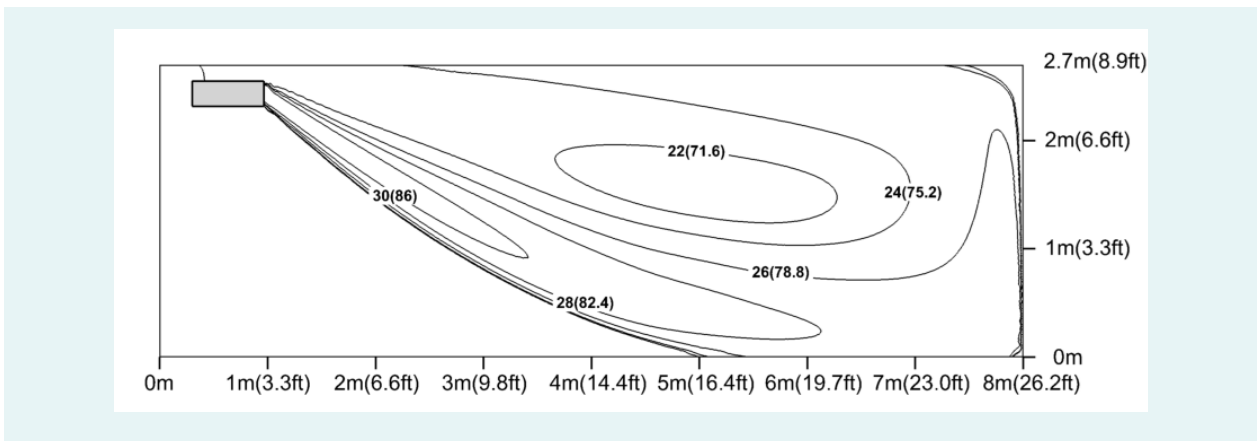
GU71ZD/A1-K
 Cooling temperature



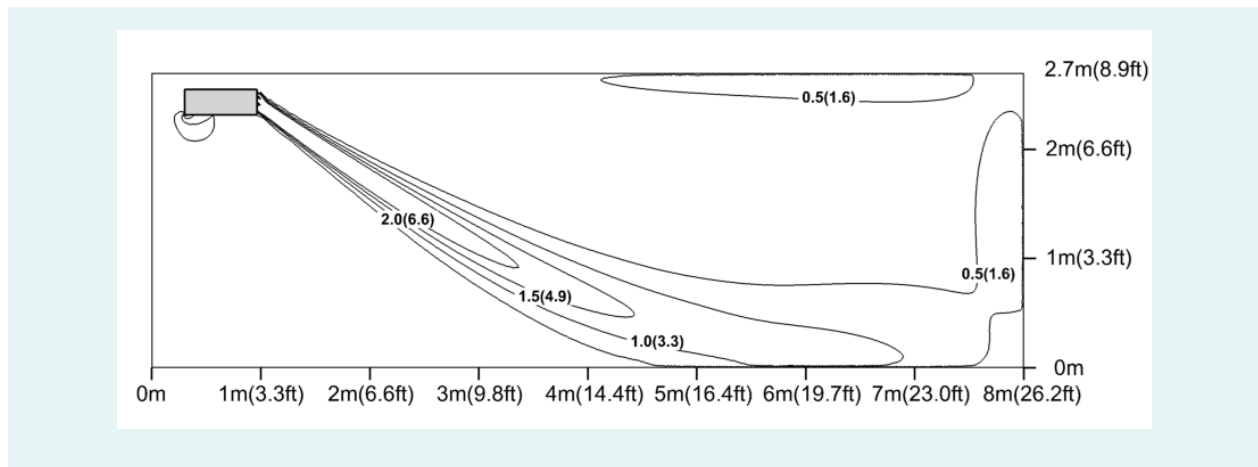
Cooling velocity



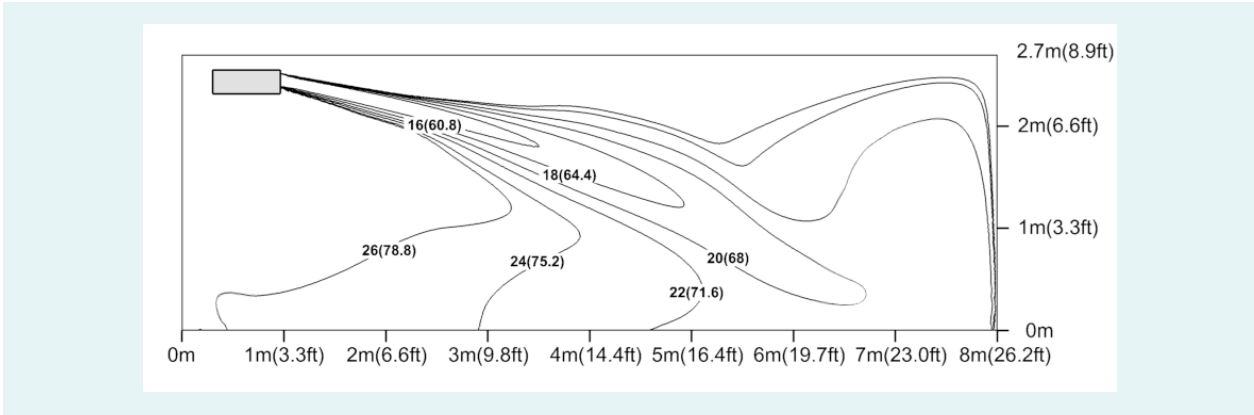
Heating temperature



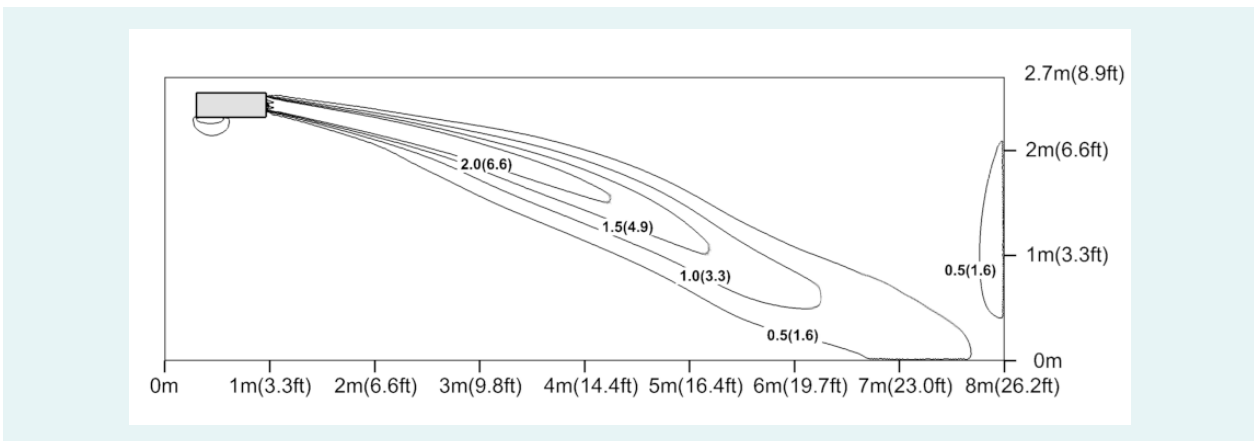
Heating velocity



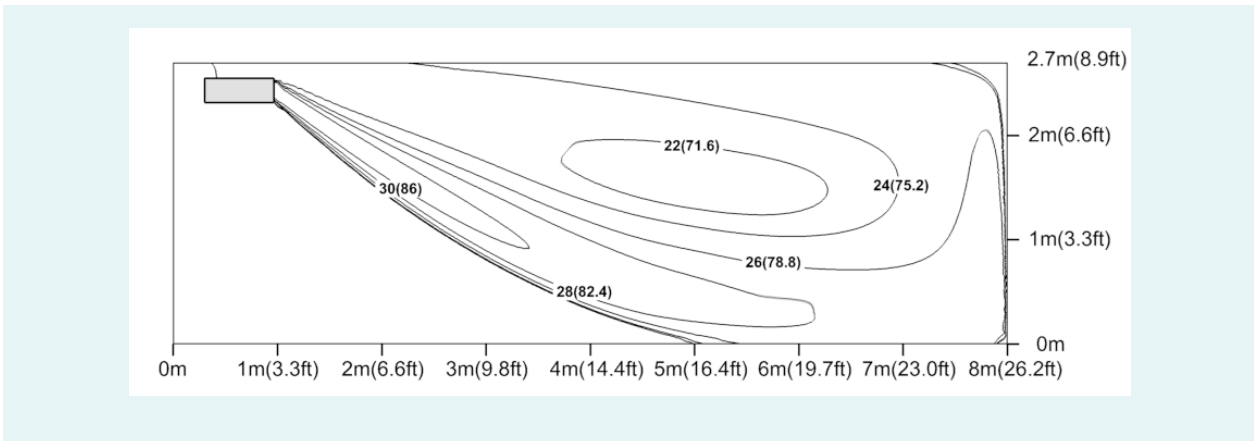
GU85ZD/A1-K
Cooling temperature



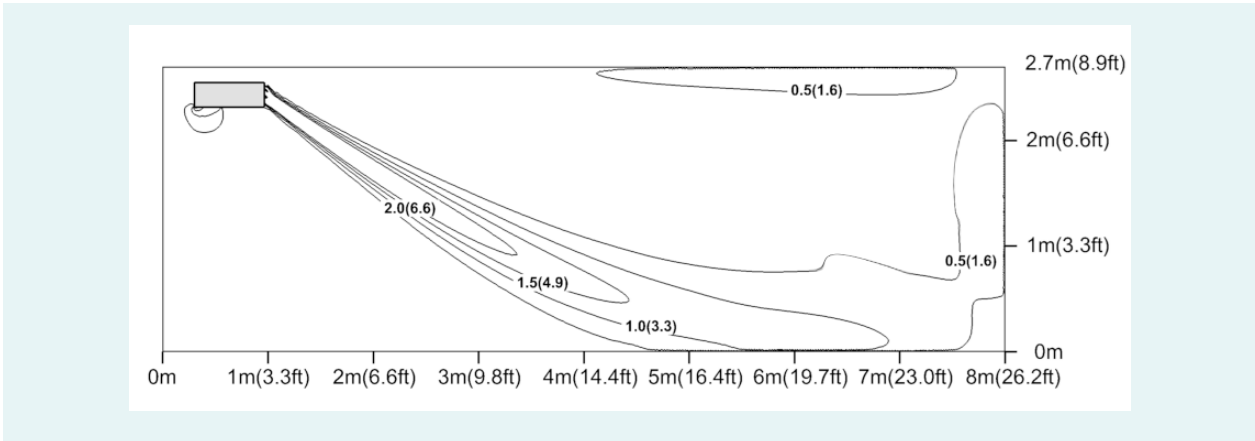
Cooling velocity



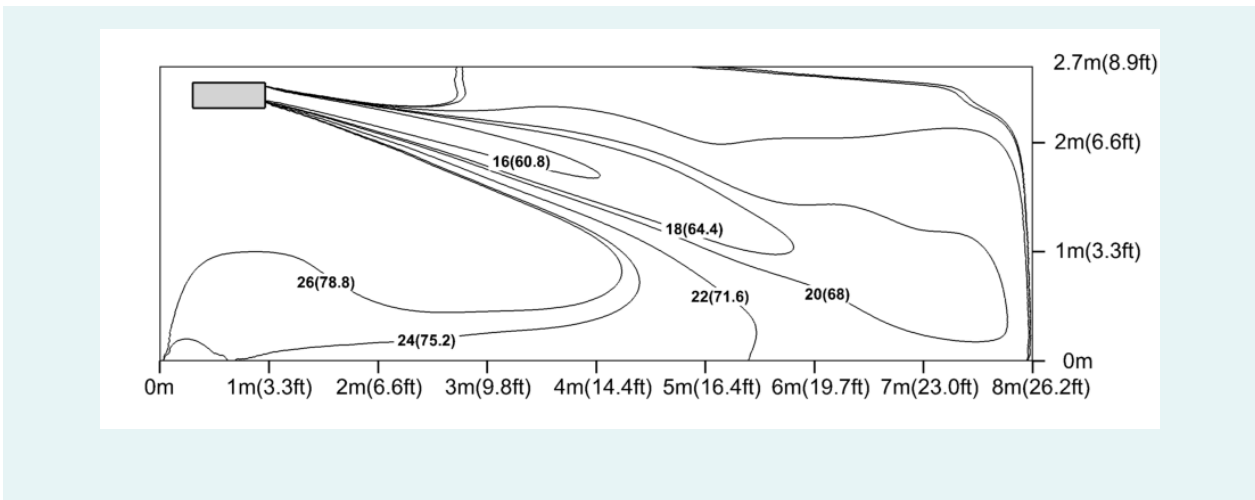
Heating temperature



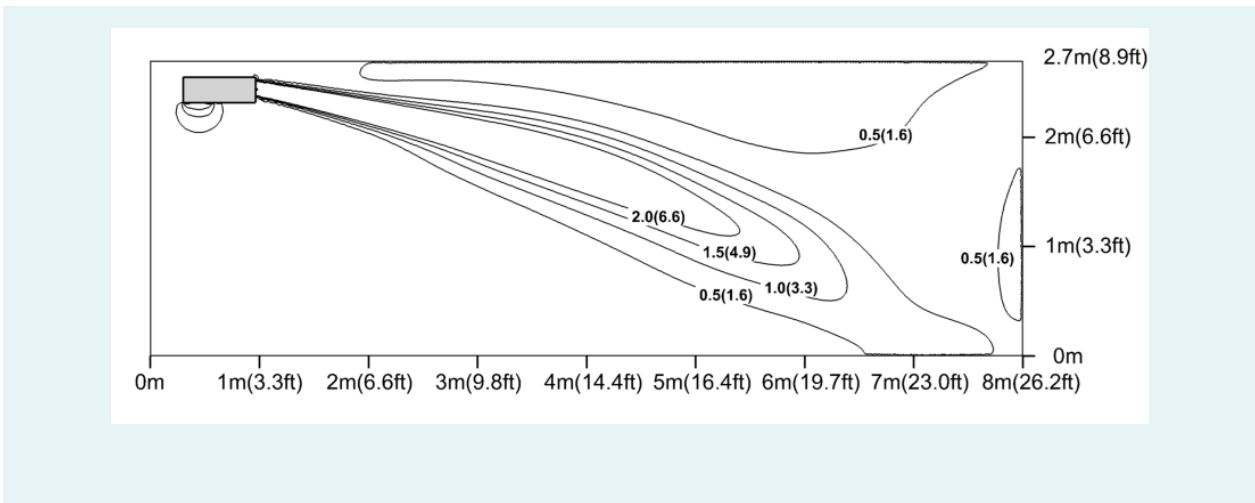
Heating velocity



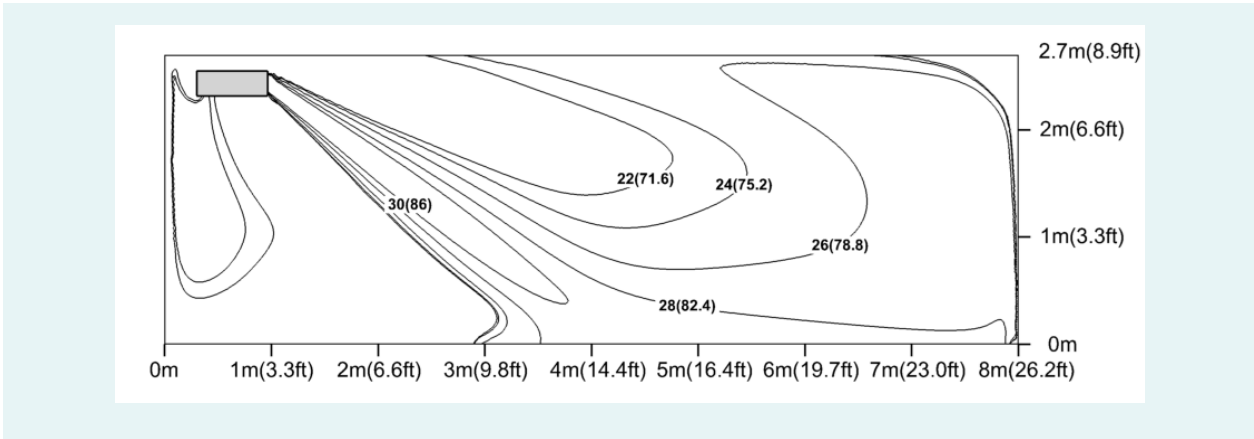
GU100ZD/A1-K
Cooling temperature



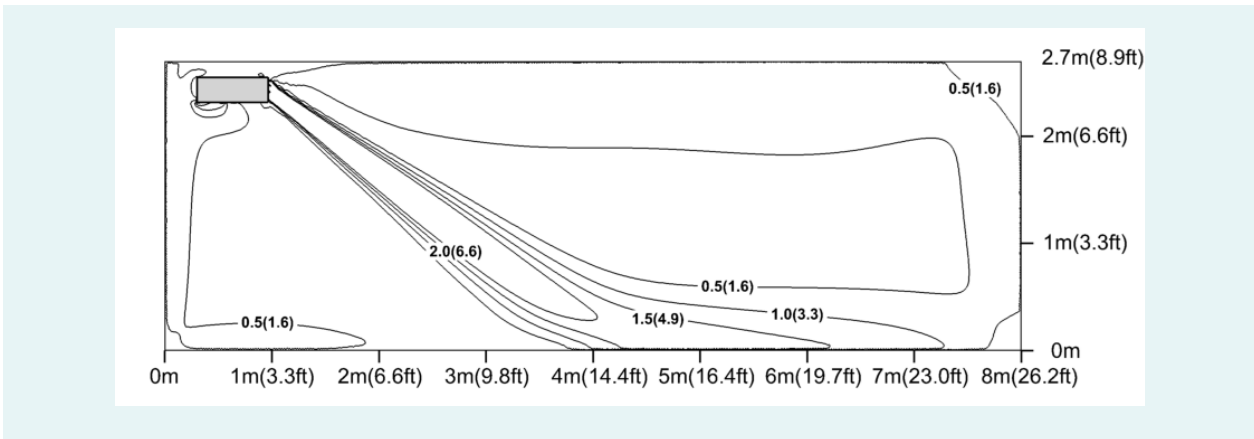
Cooling velocity



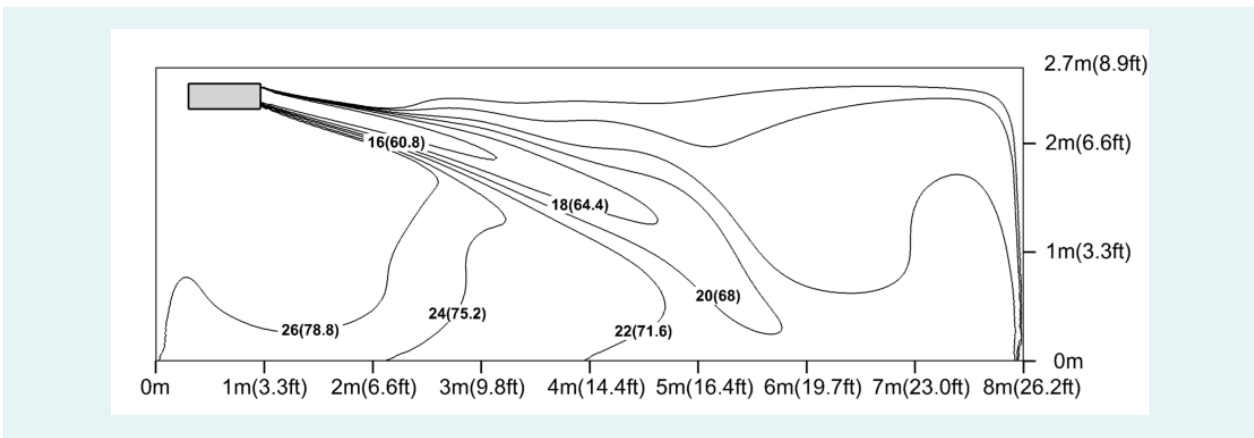
Heating temperature



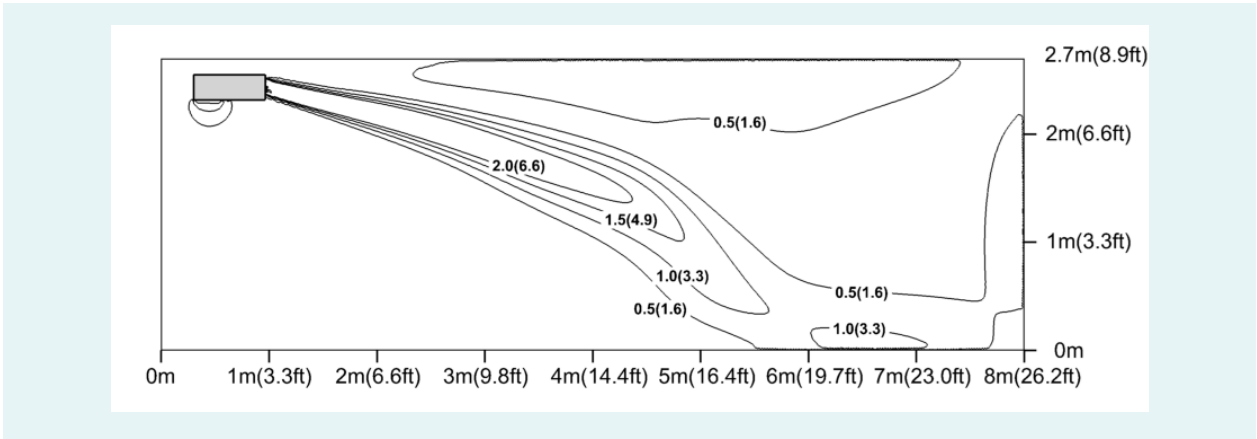
Heating velocity



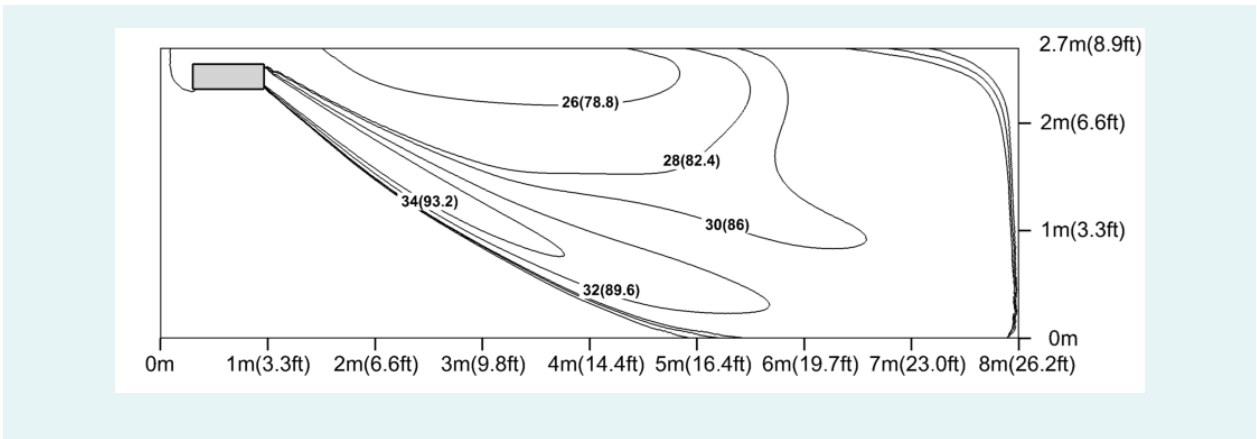
GU125ZD/A1-K
Cooling temperature



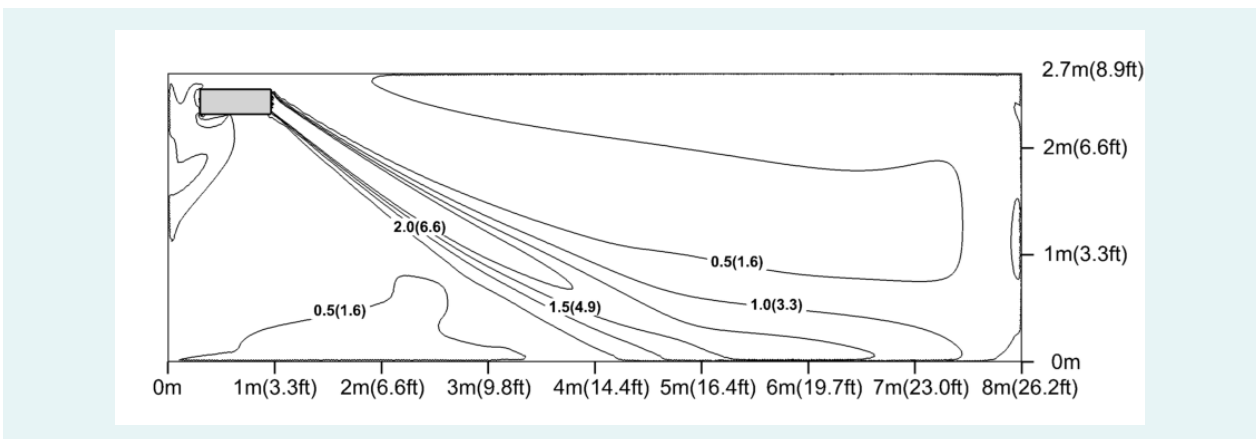
Cooling velocity



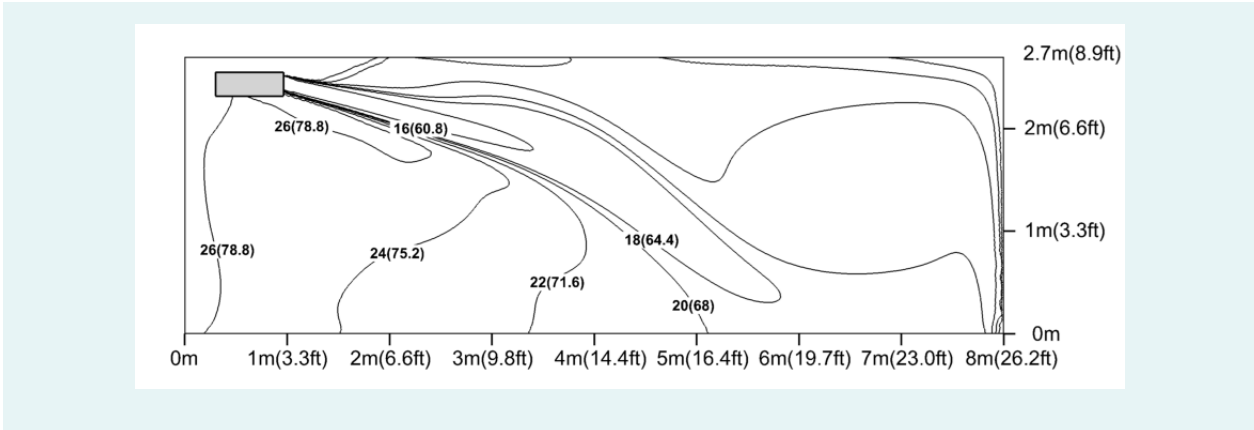
Heating temperature



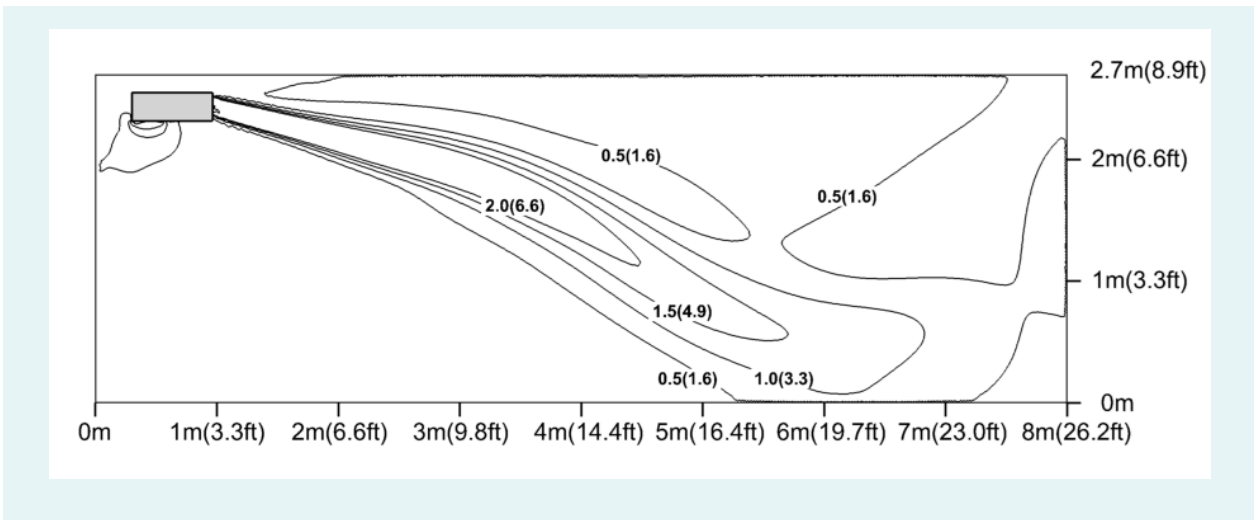
Heating velocity



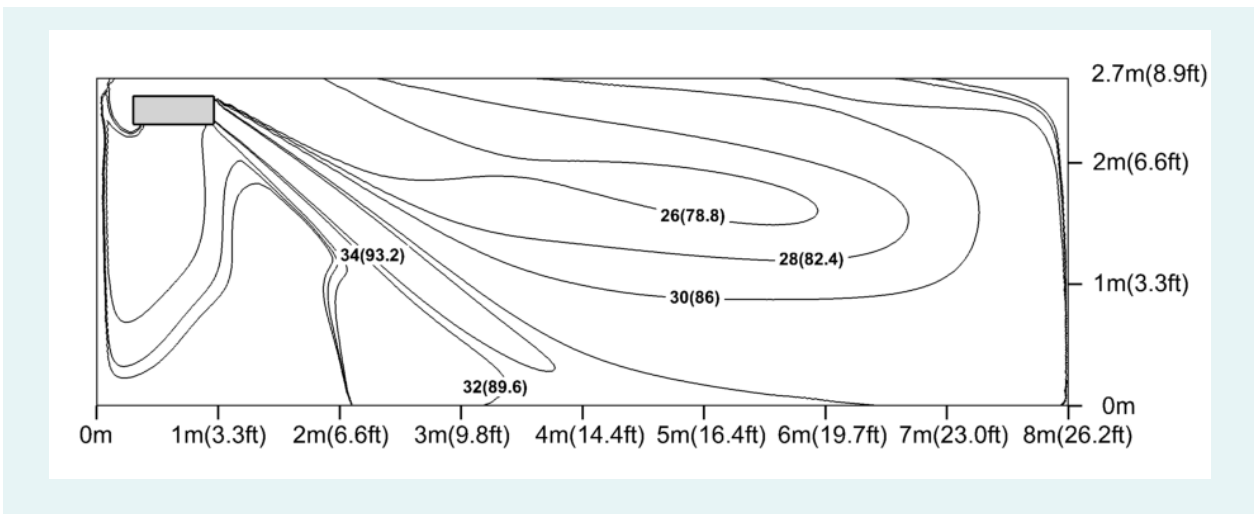
GU140ZD/A1-K, GU160ZD/A1-K
Cooling temperature



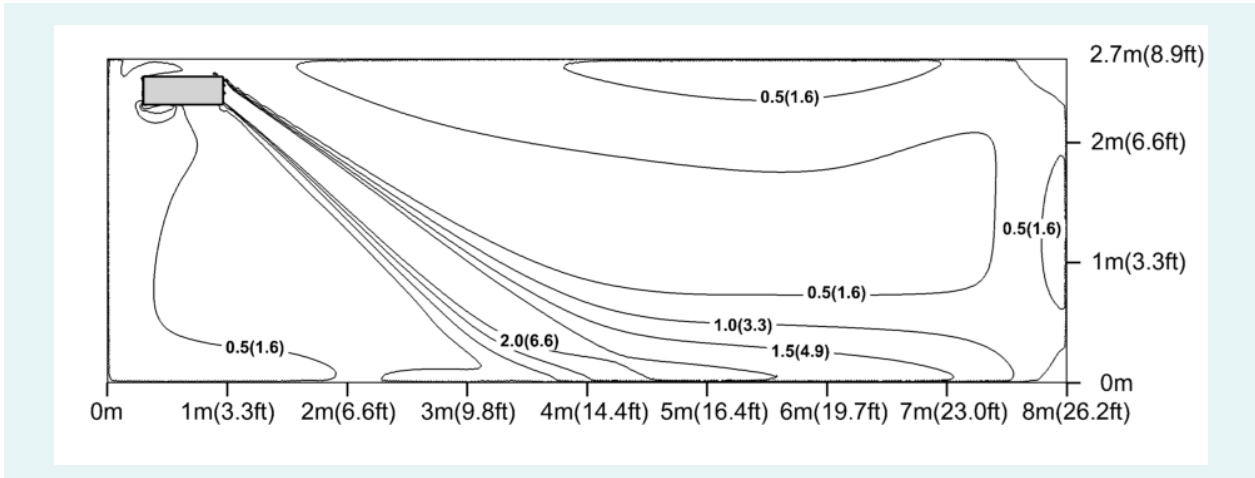
Cooling velocity



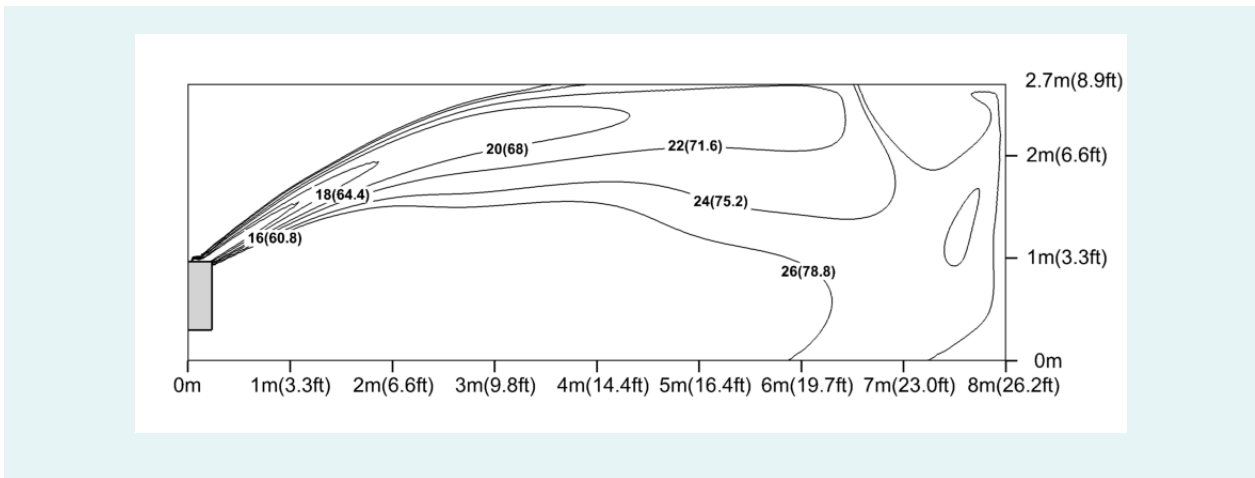
Heating temperature



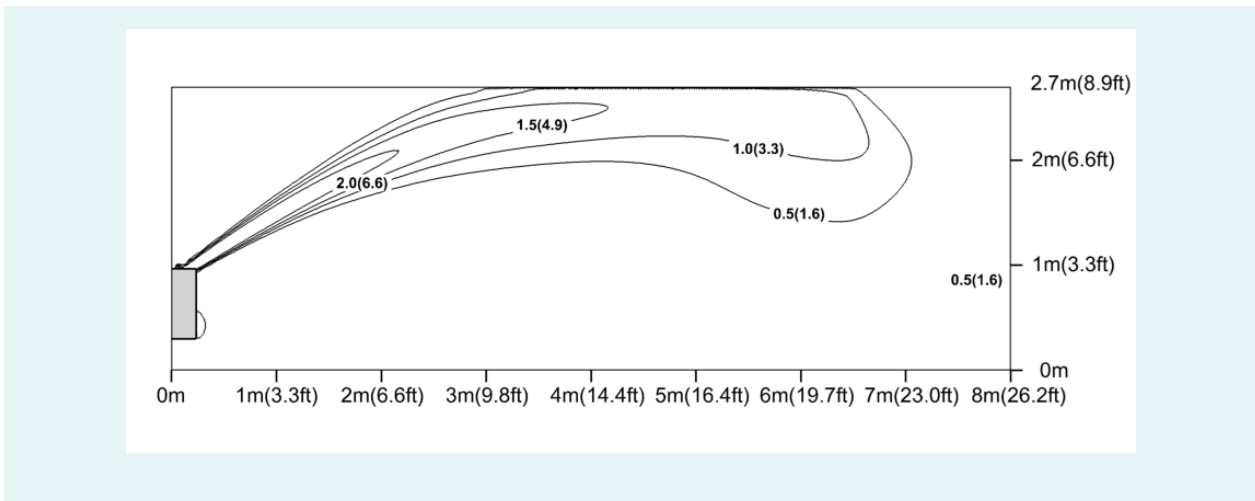
Heating velocity



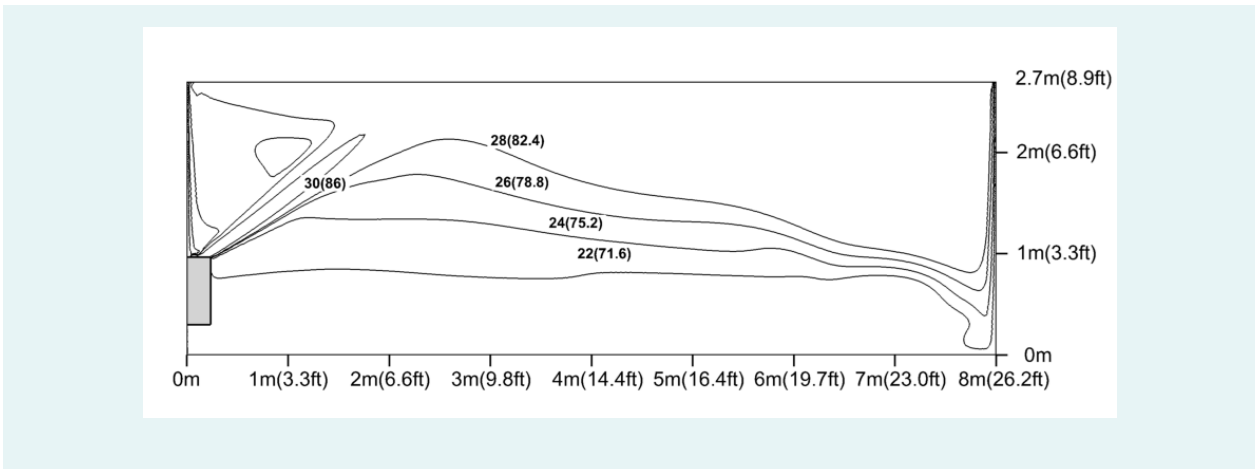
GU50ZD/A1-K
Cooling temperature



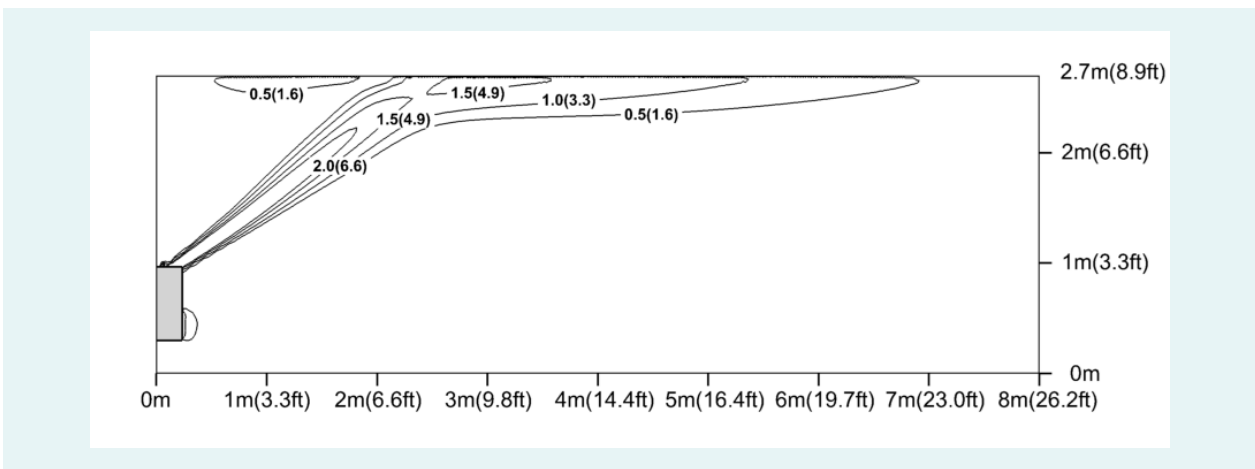
Cooling velocity



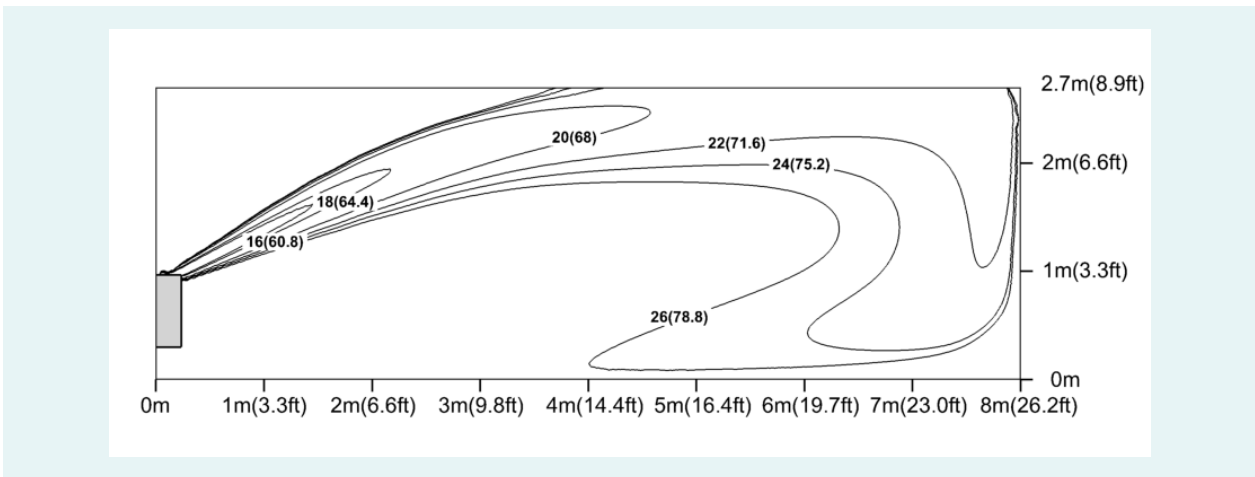
Heating temperature



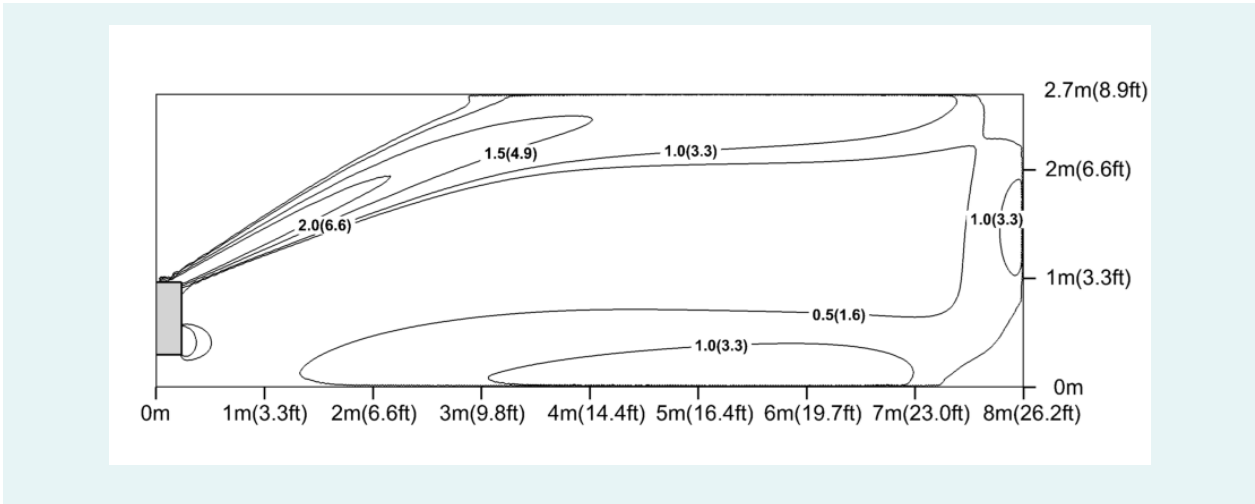
Heating velocity



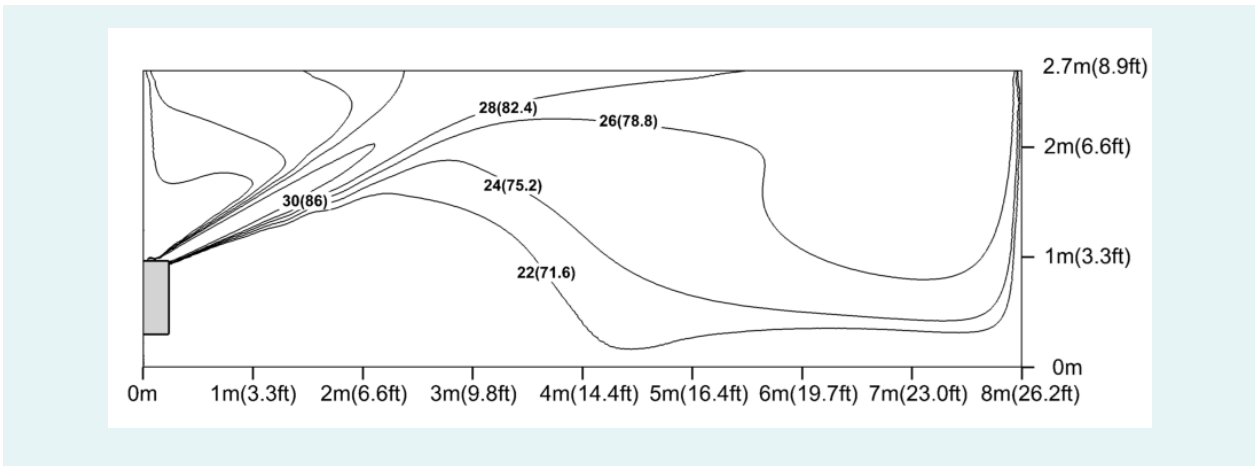
GU71ZD/A1-K
Cooling temperature



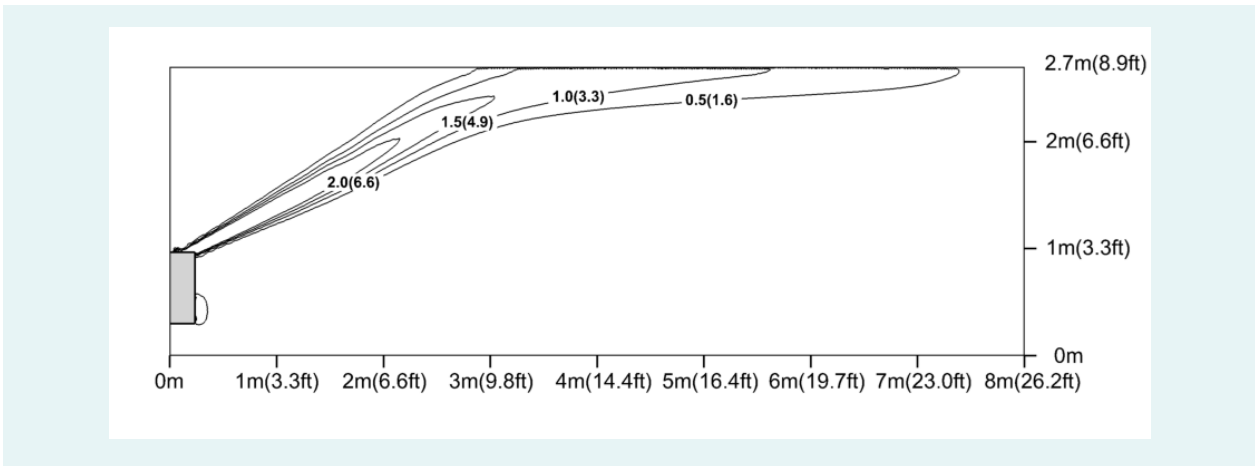
Cooling velocity



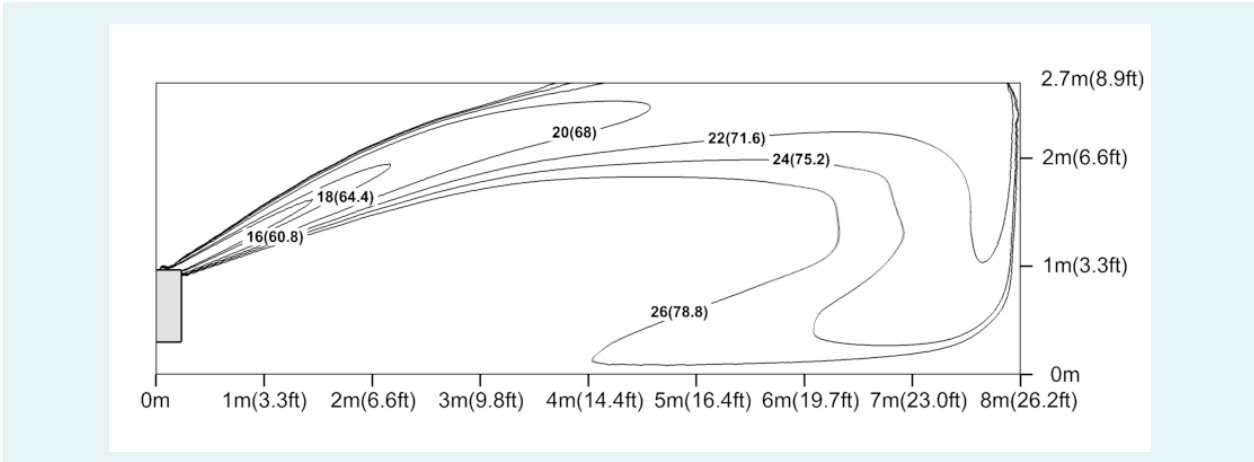
Heating temperature



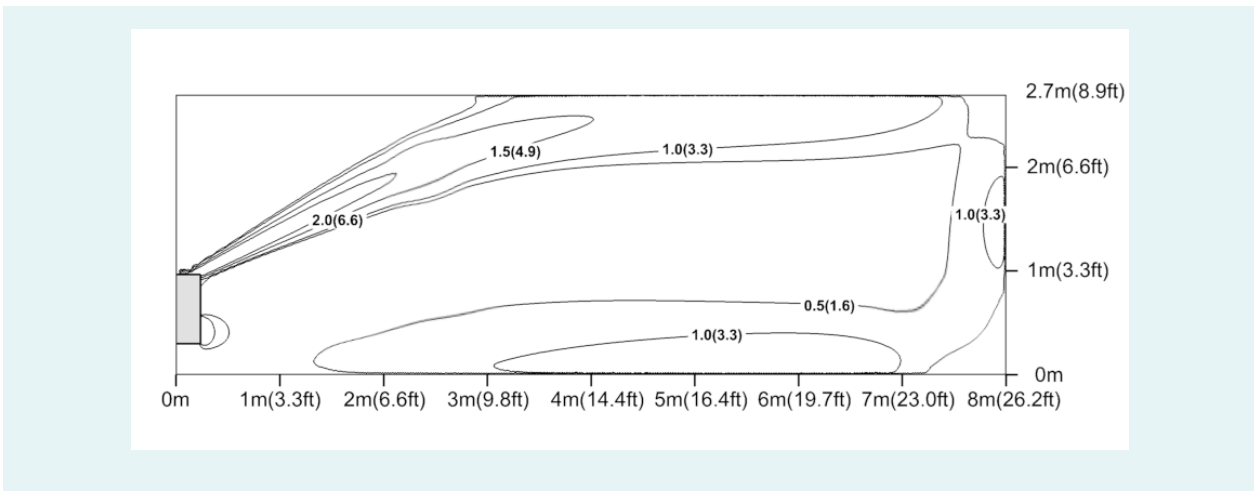
Heating velocity



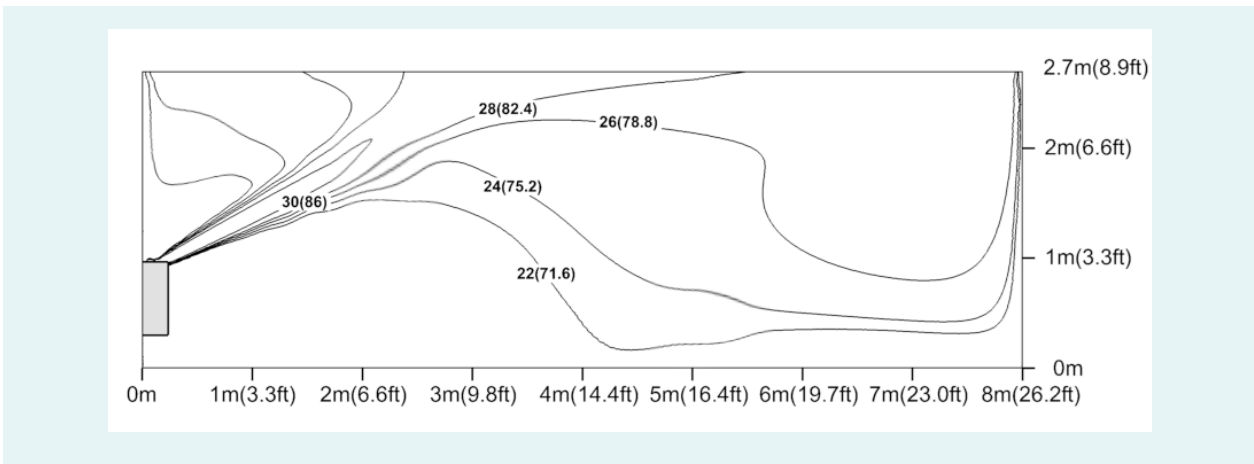
GU85ZD/A1-K
Cooling temperature



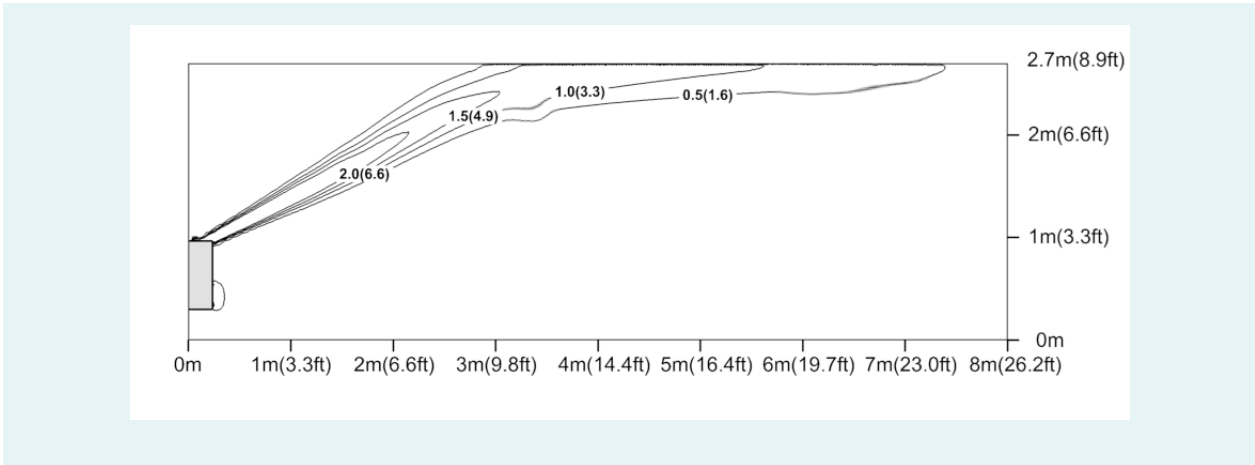
Cooling velocity



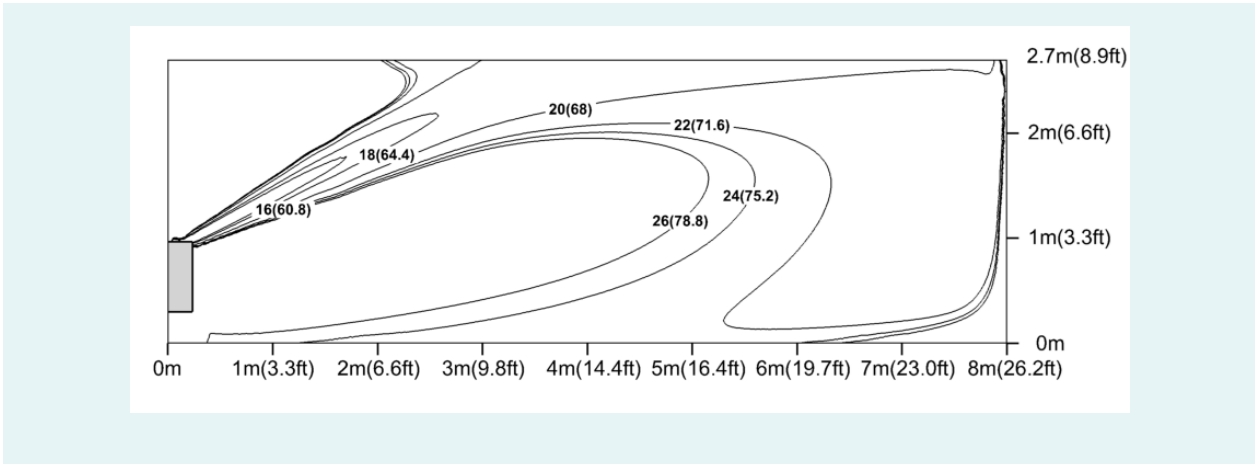
Heating temperature



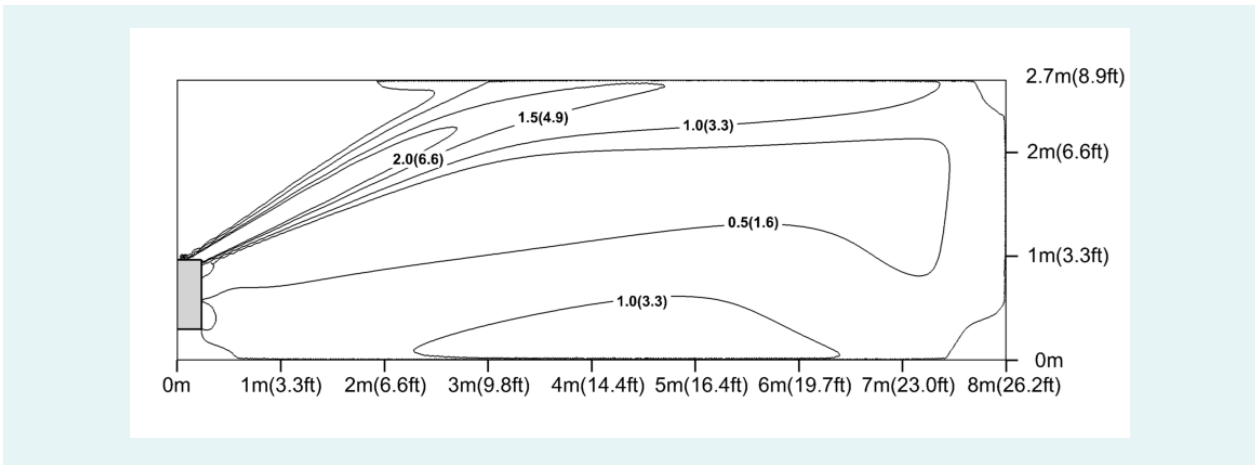
Heating velocity



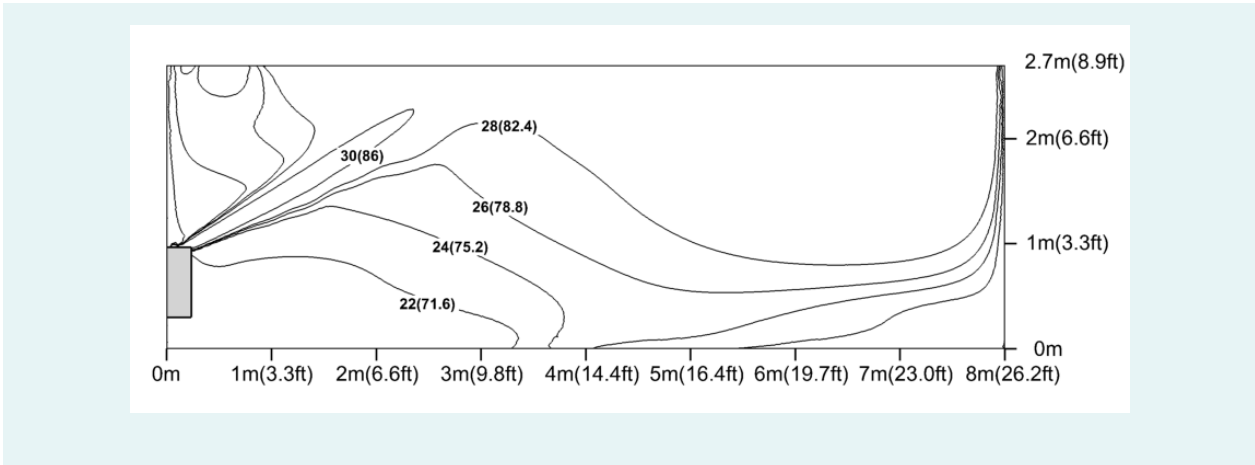
GU100ZD/A1-K
Cooling temperature



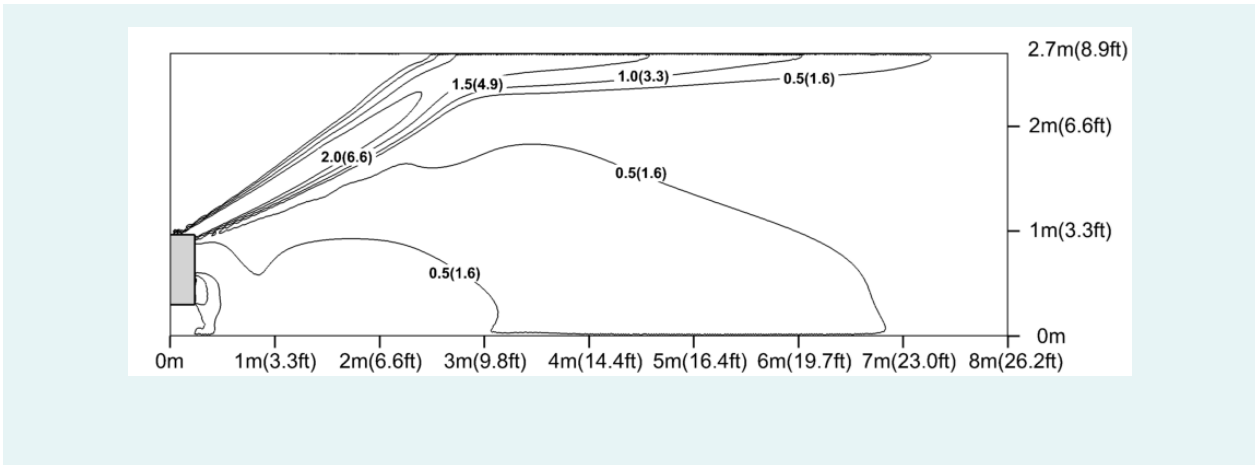
Cooling velocity



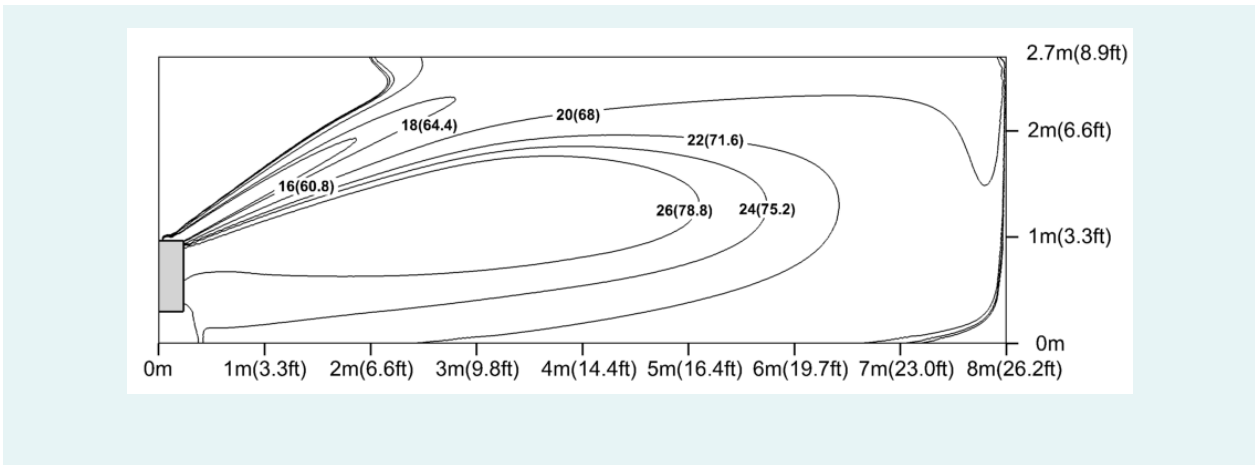
Heating temperature



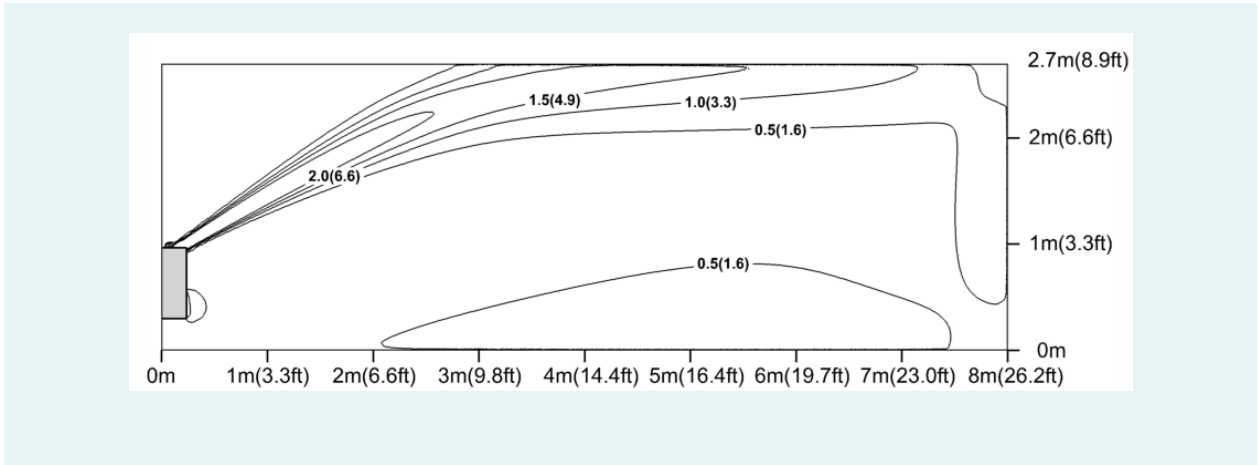
Heating velocity



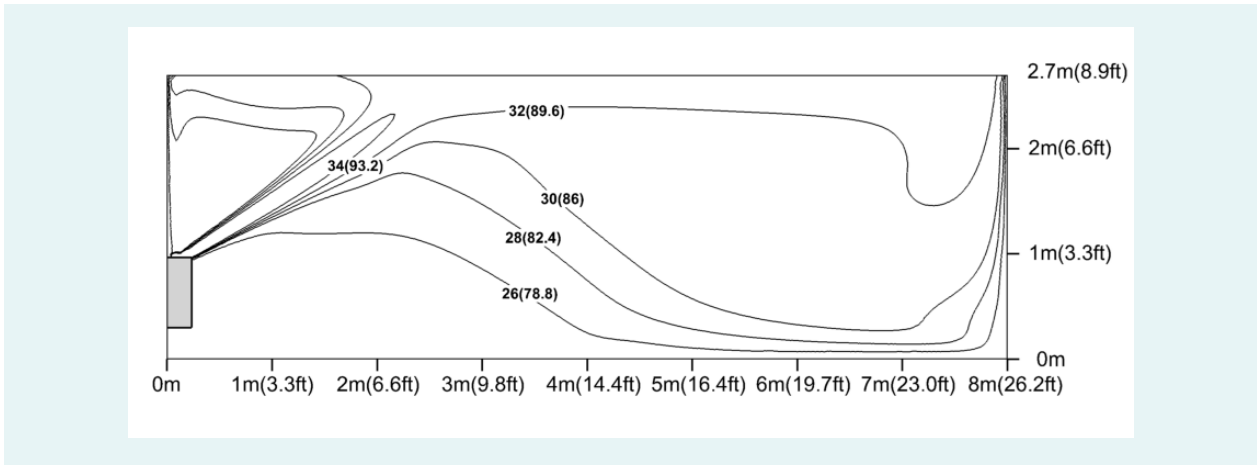
GU125ZD/A1-K, GU140ZD/A1-K
Cooling temperature



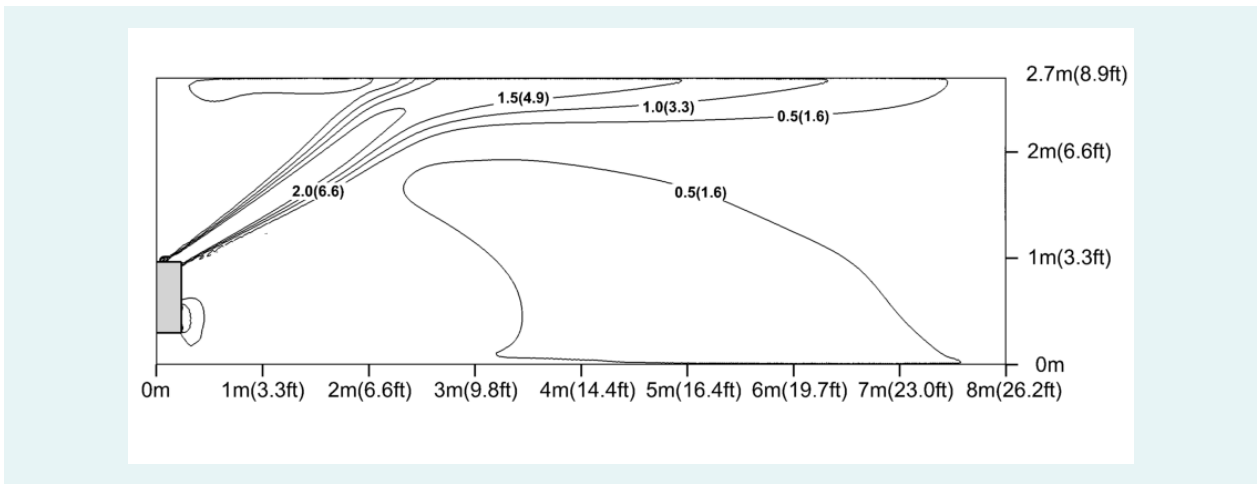
Cooling velocity



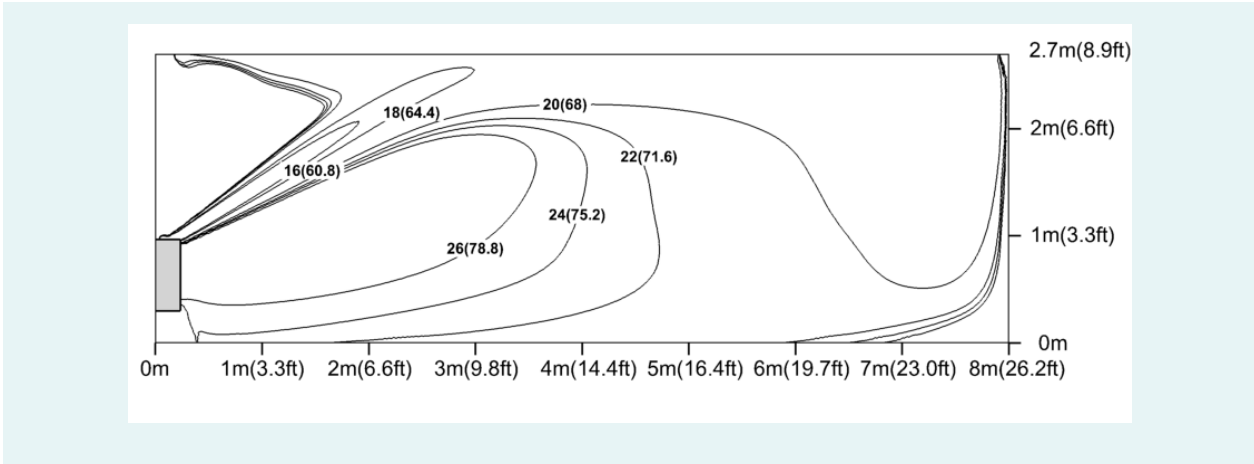
Heating temperature



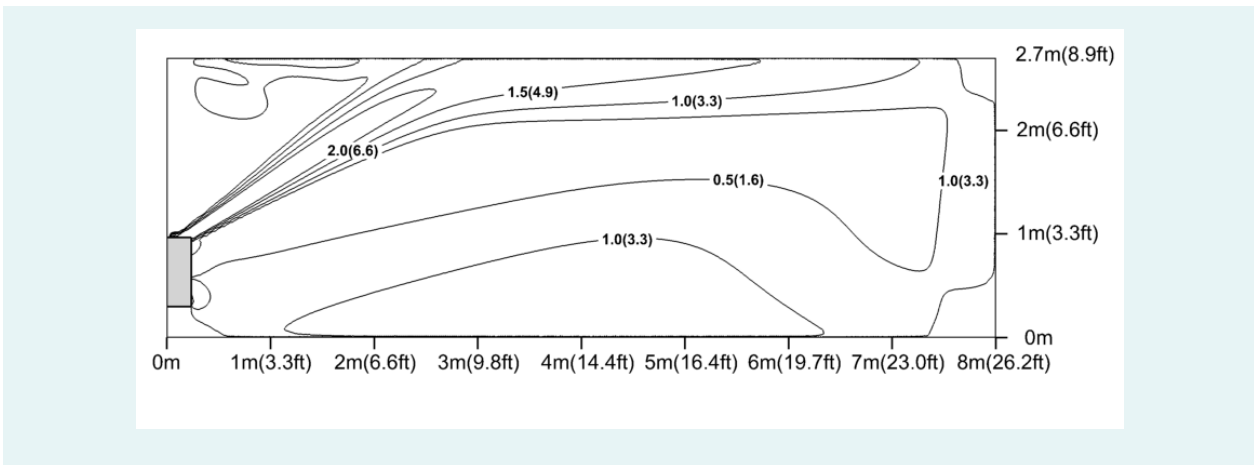
Heating velocity



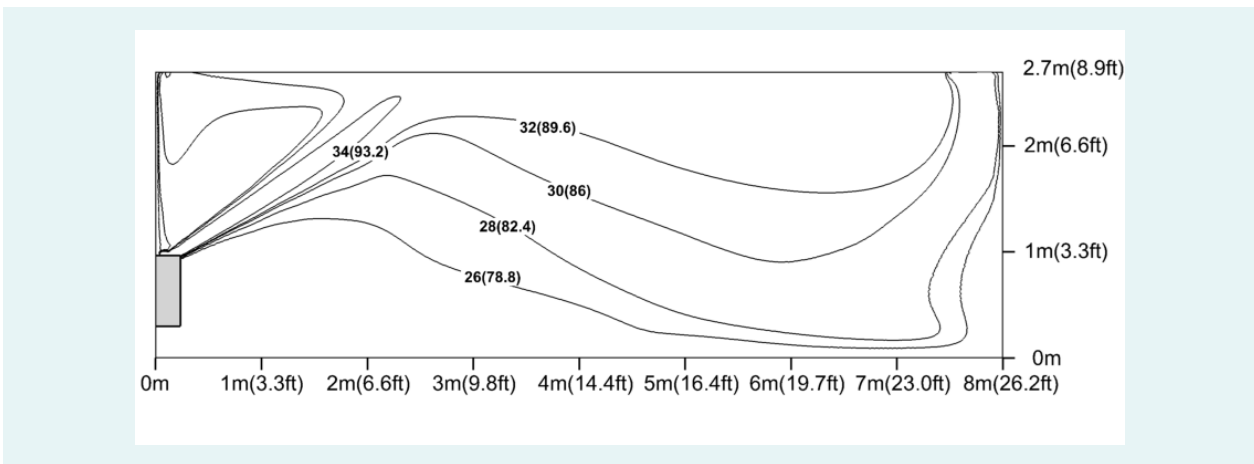
GU160ZD/A1-K
Cooling temperature



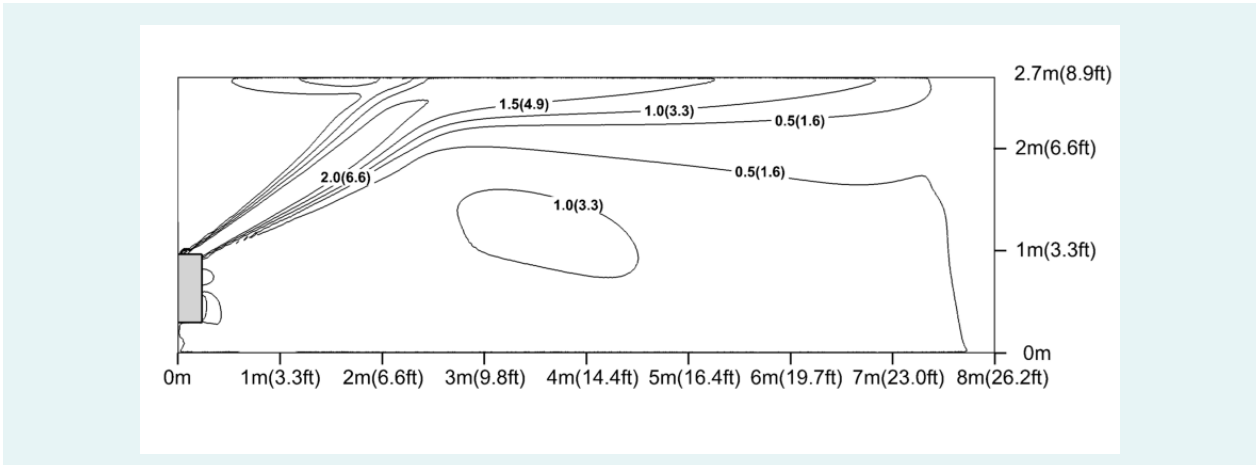
Cooling velocity



Heating temperature



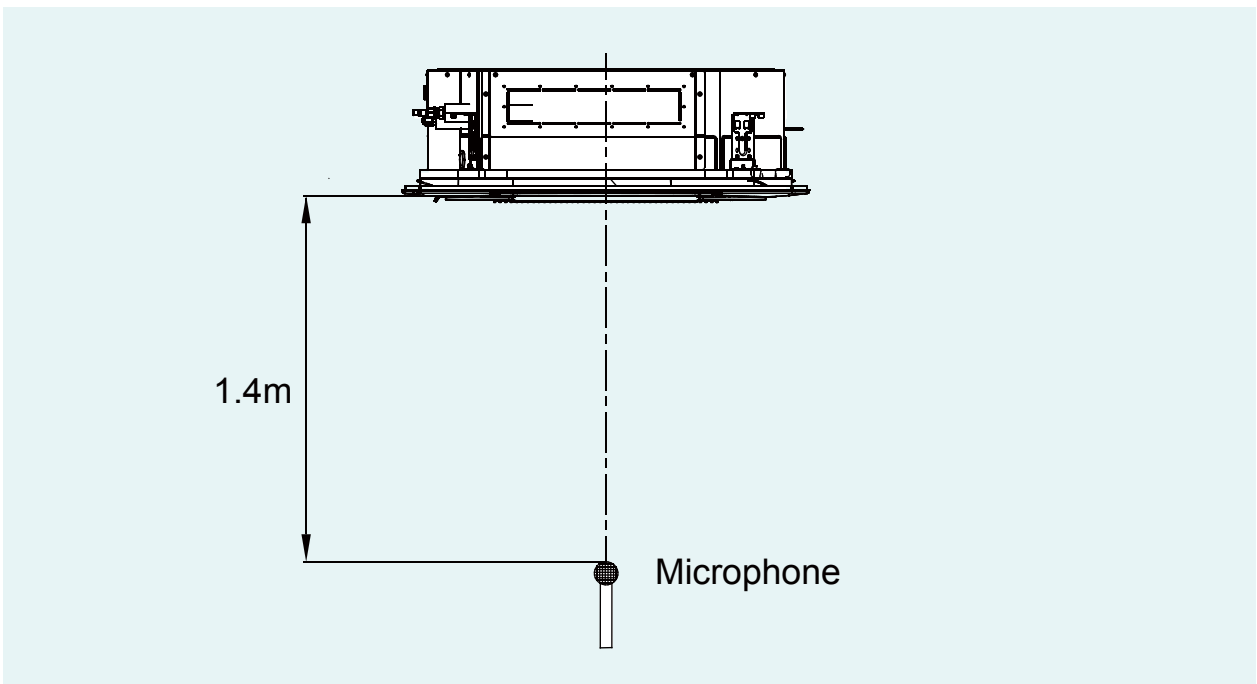
Heating velocity



9 NOISE CURVE

➔ 9.1 Noise Test Diagram

9.1.1 Cassette Type



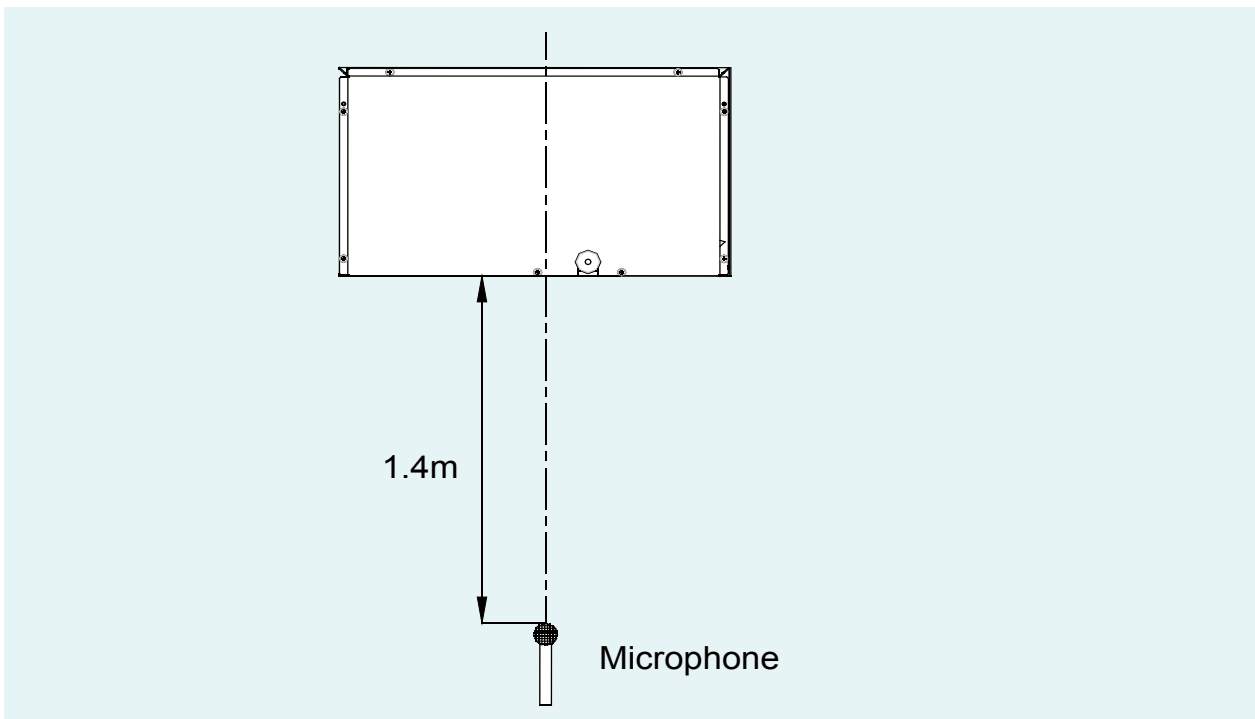
Unit: dB(A)

Model	220-240V ~50Hz			
	Turbo	H	M	L
GUD50T/A1-K	44	43	38	35
GU71T/A1-K	46	45	42	39
GU85T/A1-K	46	45	42	39
GU100T/A1-K	52	50	48	45
GU125T/A1-K	52	50	49	47
GU140T/A1-K	54	51	47	45
GU160T/A1-K	55	51	47	45

Notes:

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

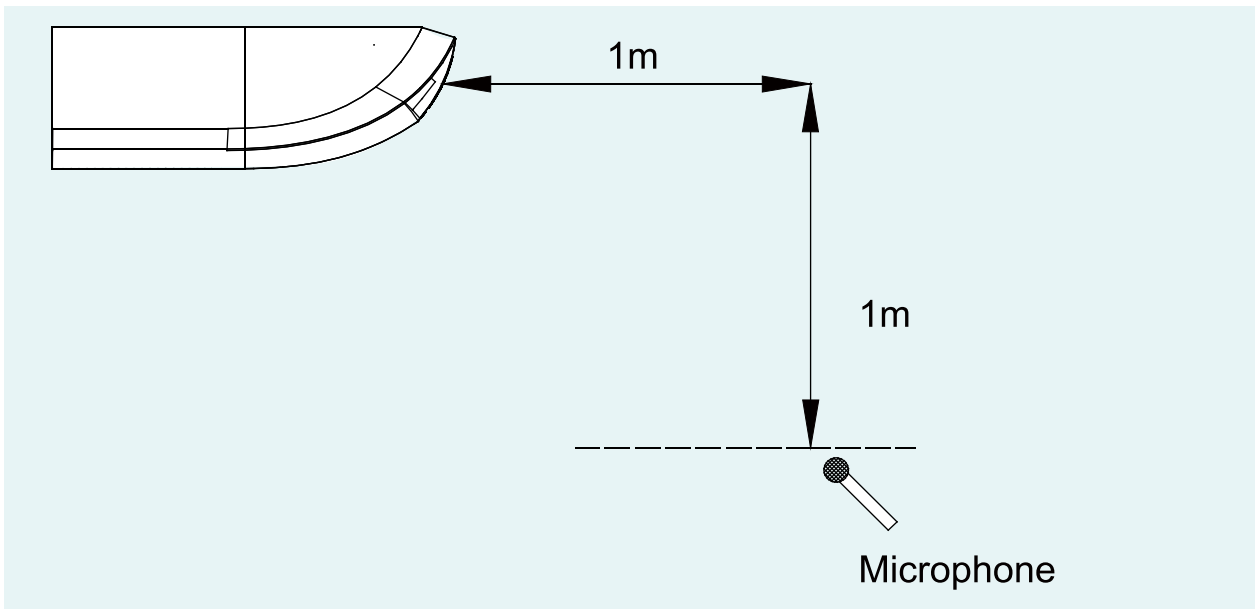
Model	220-240V ~50Hz			
	Turbo	H	M	L
GU50P/A1-K GU50PS/A1-K	35	32	30	27
GU71P/A1-K GU71PS/A1-K	37	33	30	28
GU85P/A1-K GU85PS/A1-K	40	36	33	32

Model	220-240V ~50Hz			
	Turbo	H	M	L
GU100PH/A1-K GU100PHS/A1-K	44	42	38	35
GU125PH/A1-K GU125PHS/A1-K	44	41	38	35
GU140PH/A1-K GU140PHS/A1-K	45	44	41	37
GU160PH/A1-K GU160PHS/A1-K	47	45	40	37

Notes:

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



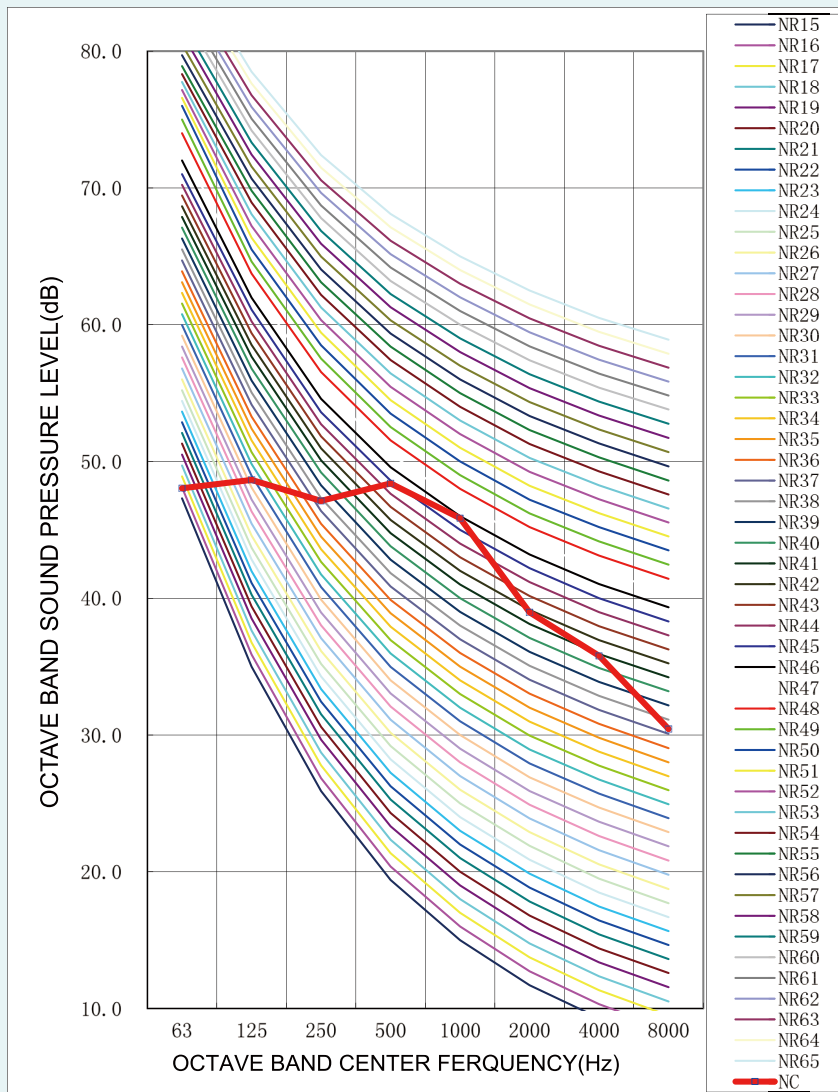
Unit: dB(A)

Model	220-240V ~50Hz			
	Turbo	H	M	L
GU50ZD/A1-K	41	40	37	33
GU71ZD/A1-K	47	46	44	41
GU85ZD/A1-K	49	48	47	44
GU100ZD/A1-K	51	50	49	48
GU125ZD/A1-K	52	50	49	48
GU140ZD/A1-K	54	53	52	51
GU160ZD/A1-K	54	53	52	51

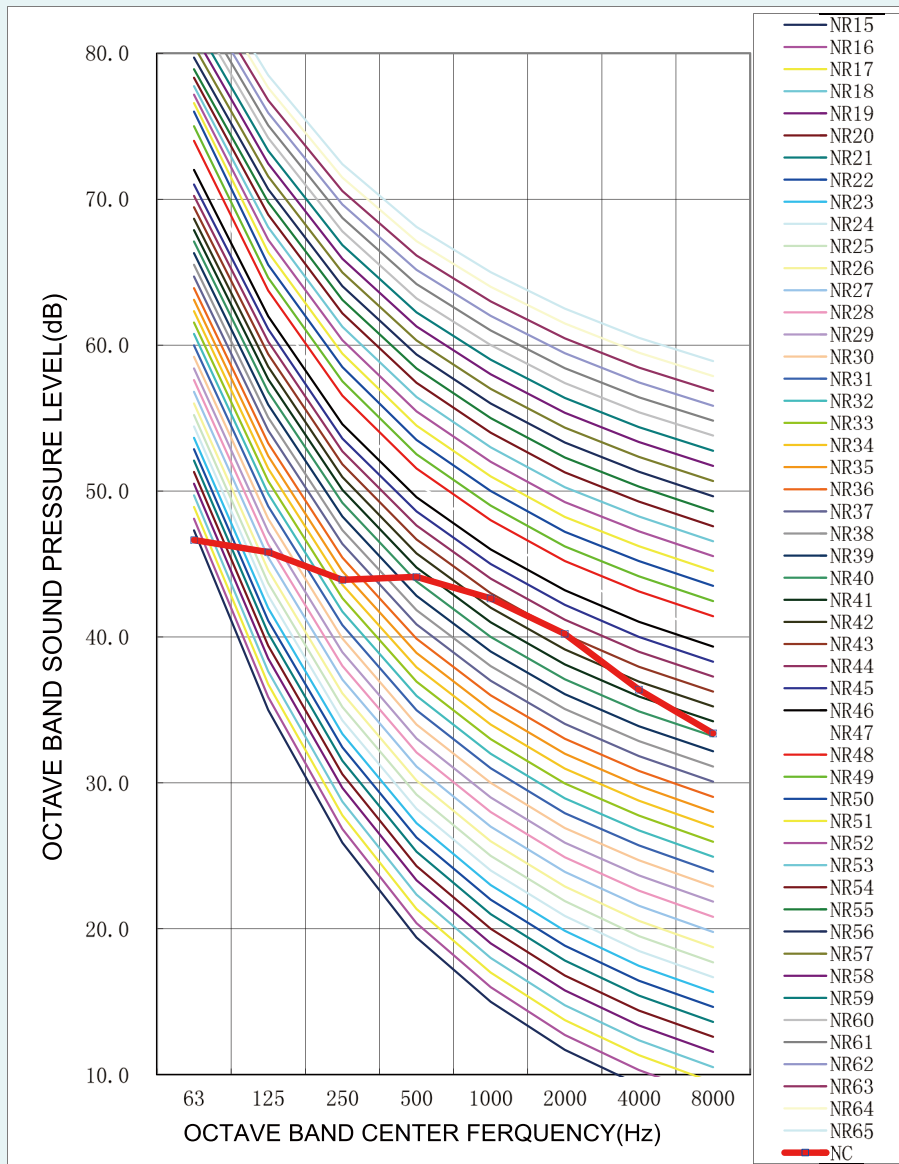
➔ 9.2 Noise Curve

9.2.1 Indoor Unit

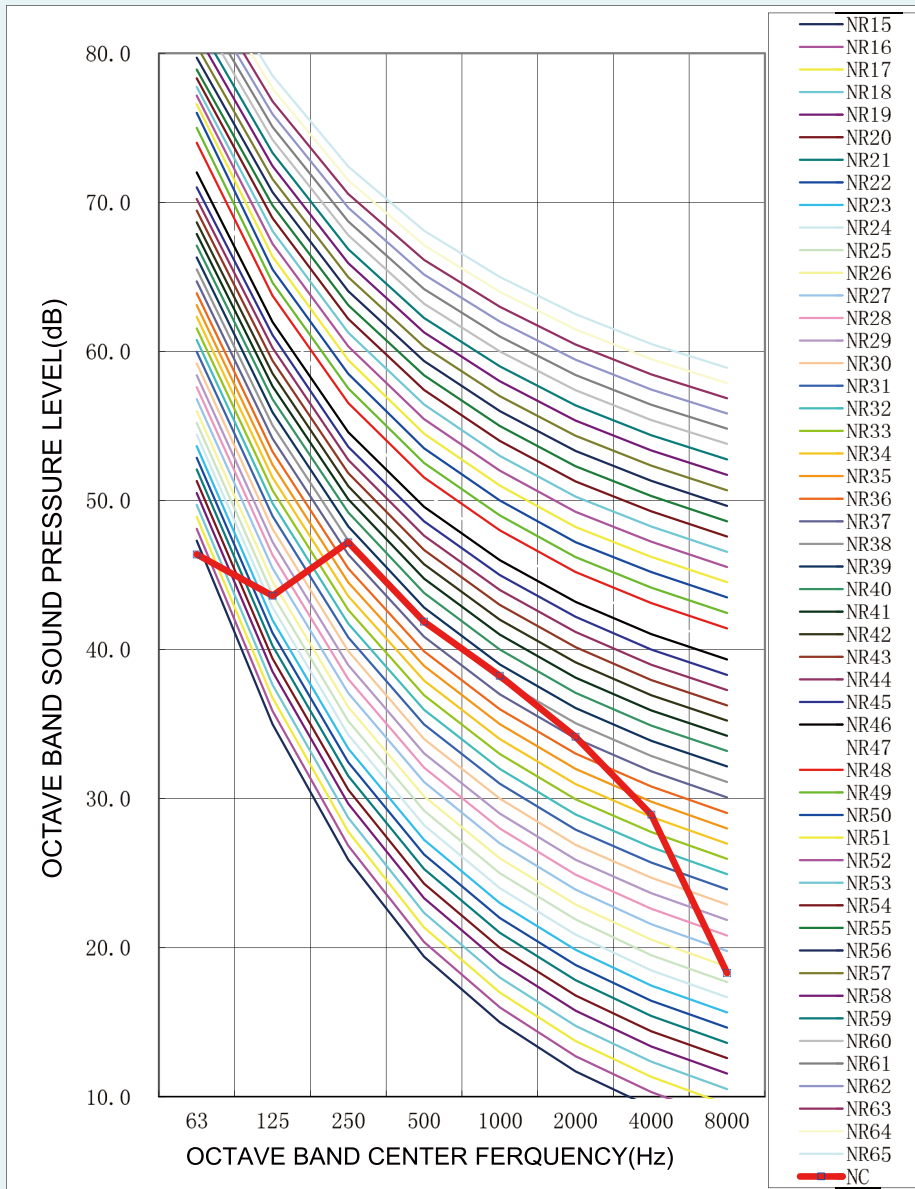
GUD50T/A1-K
Cooling



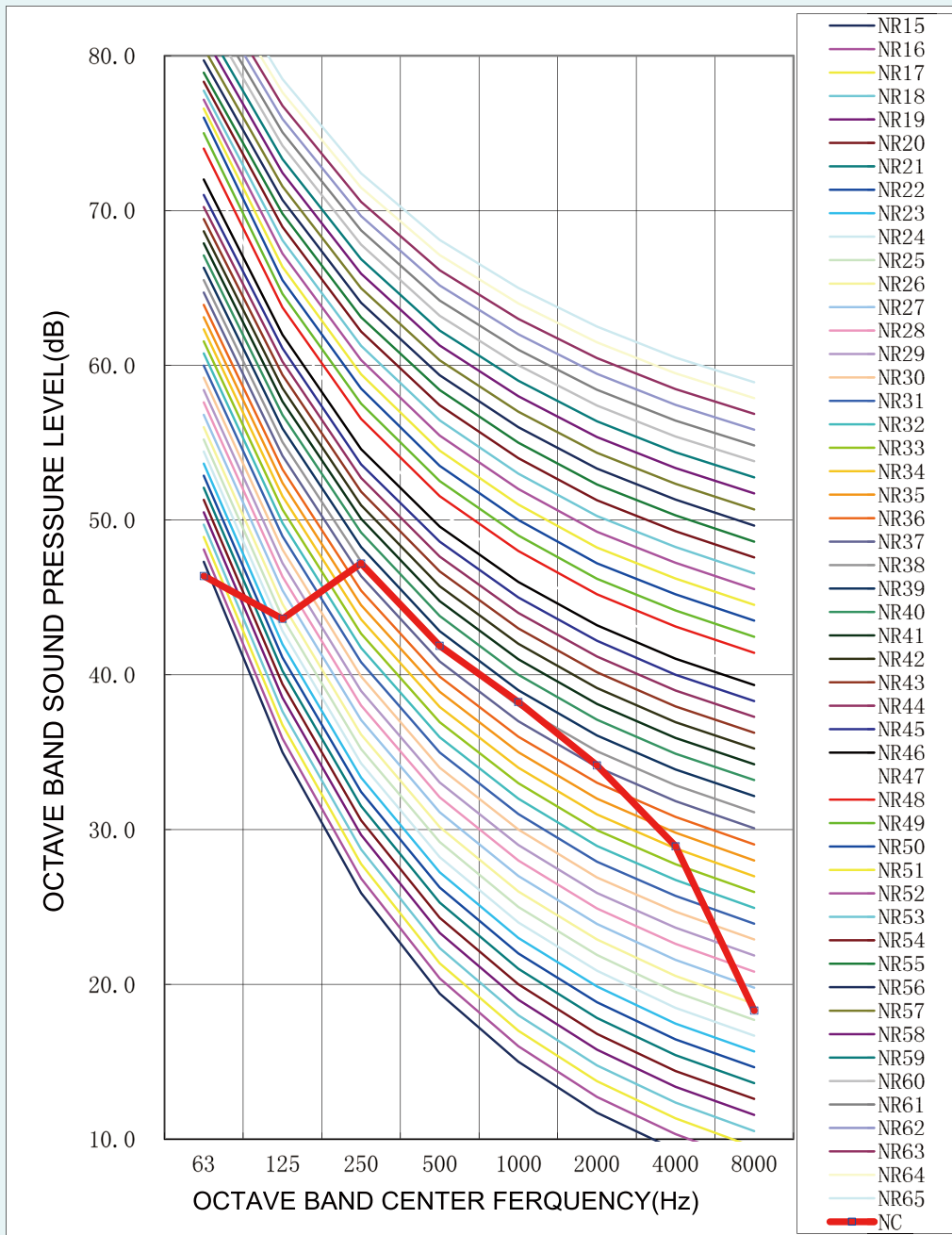
Heating



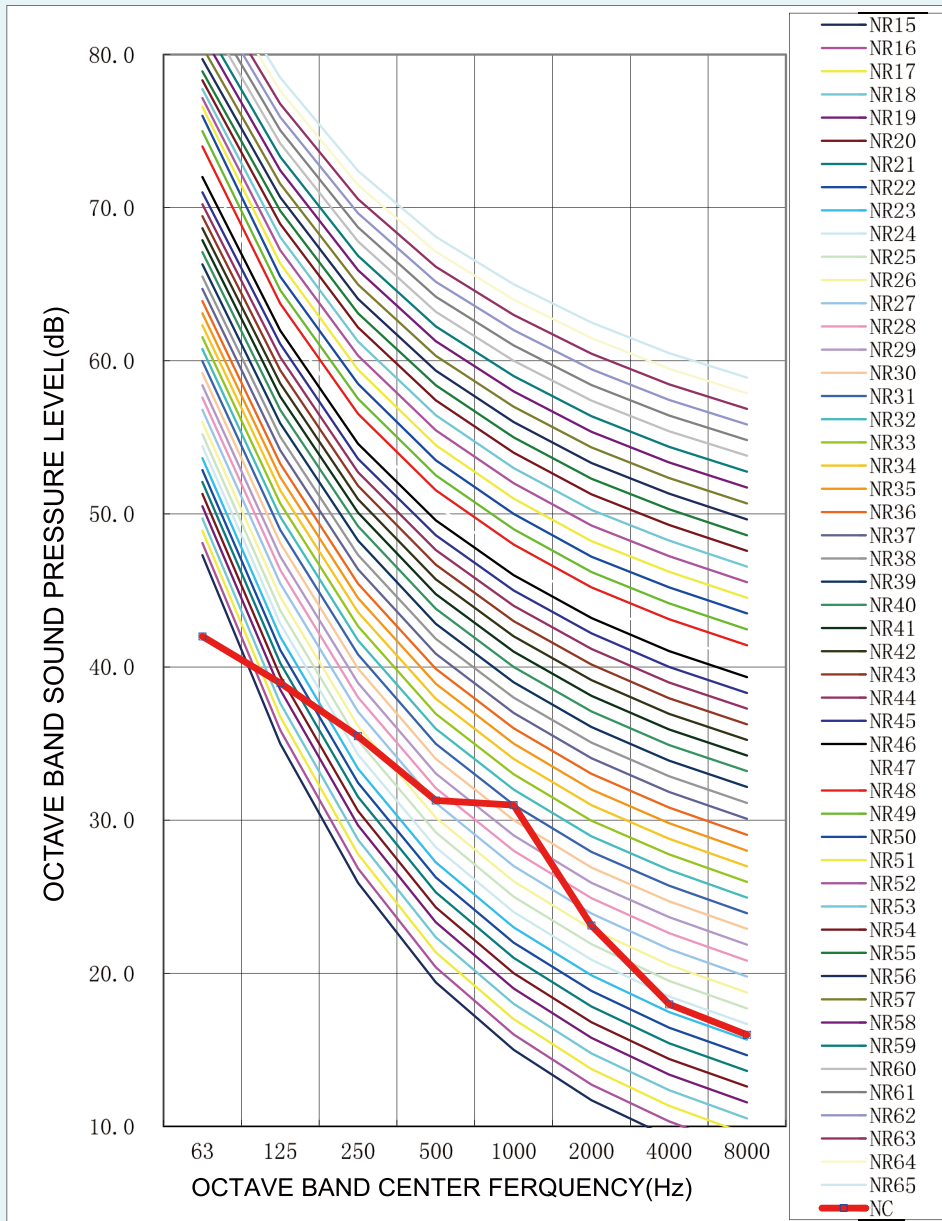
GU50ZD/A1-K
Cooling



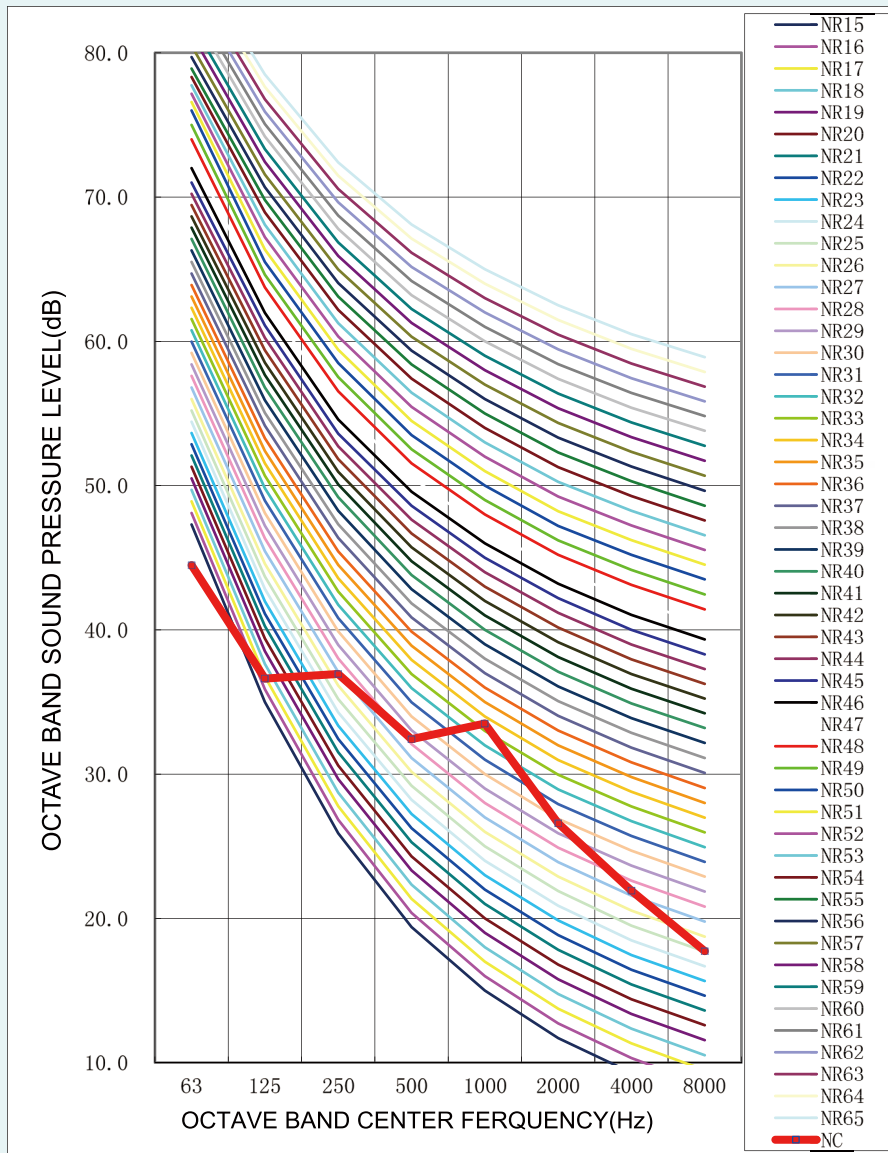
Heating



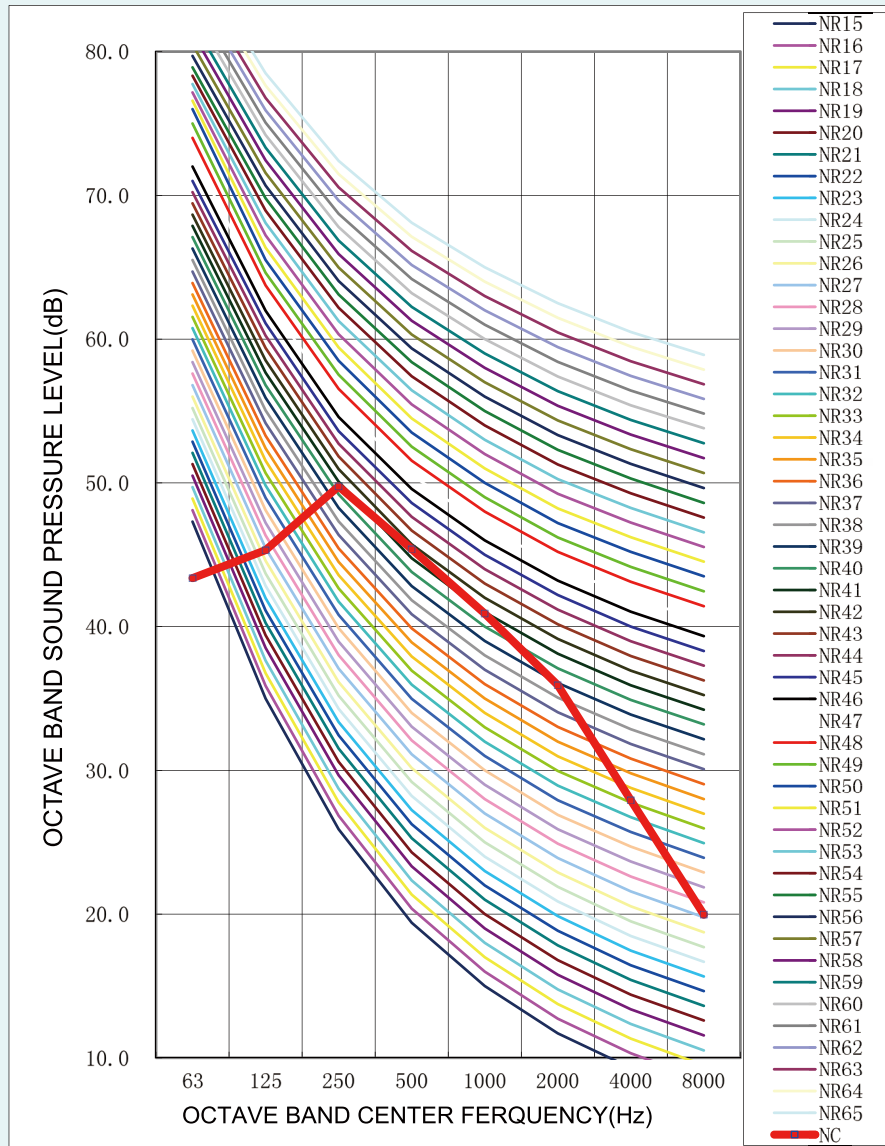
GU50P/A1-K, GU50PS/A1-K
Cooling



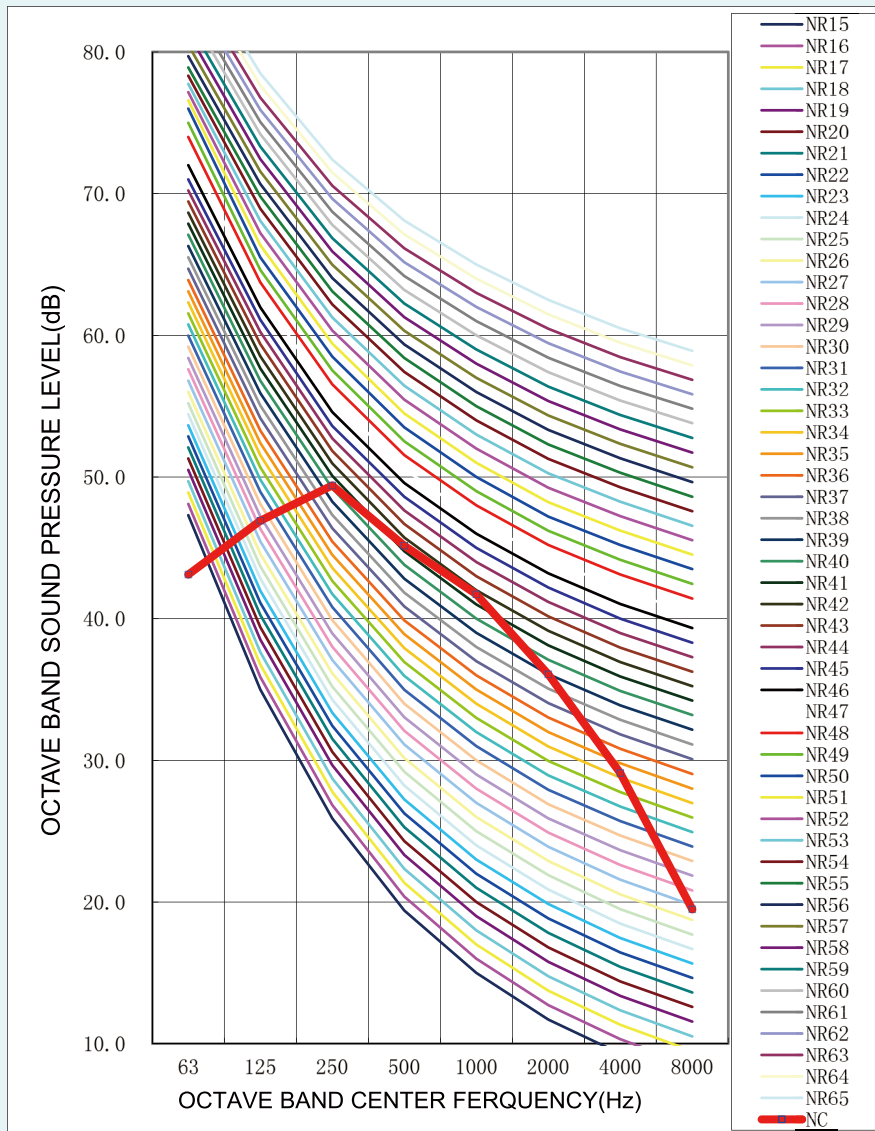
Heating



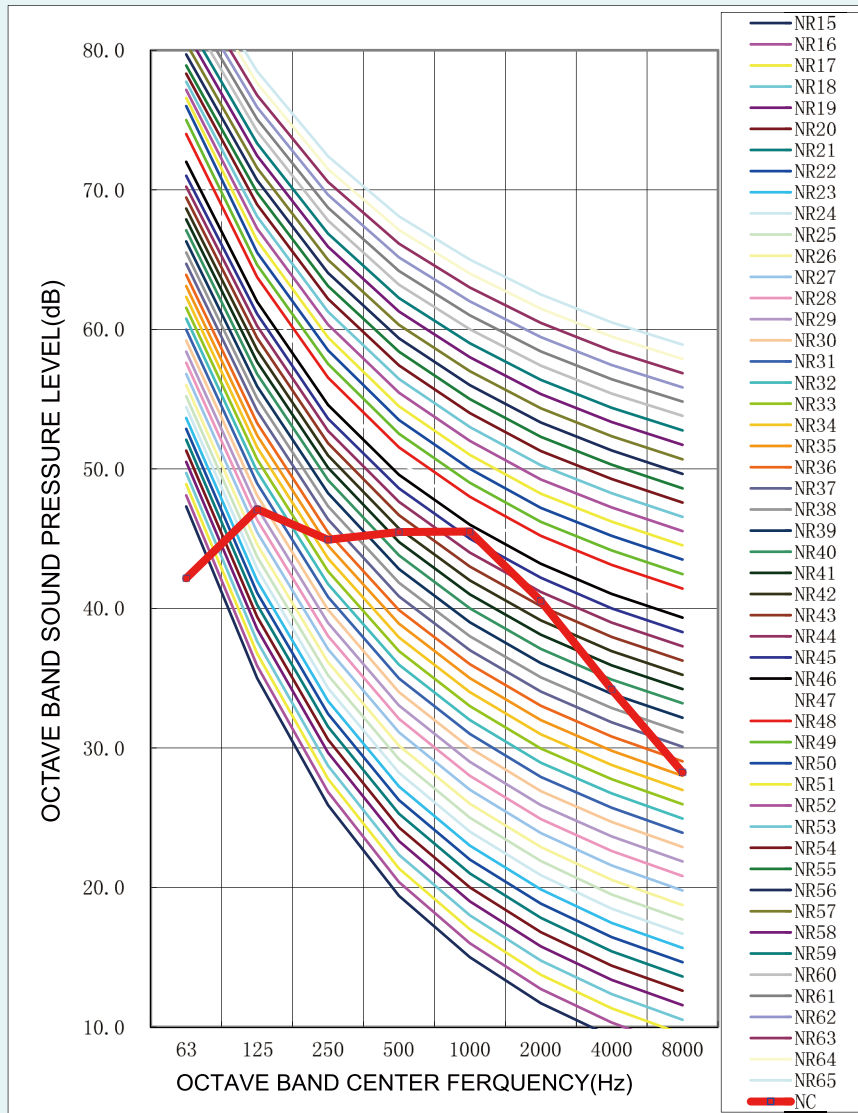
GU71T/A1-K
Cooling



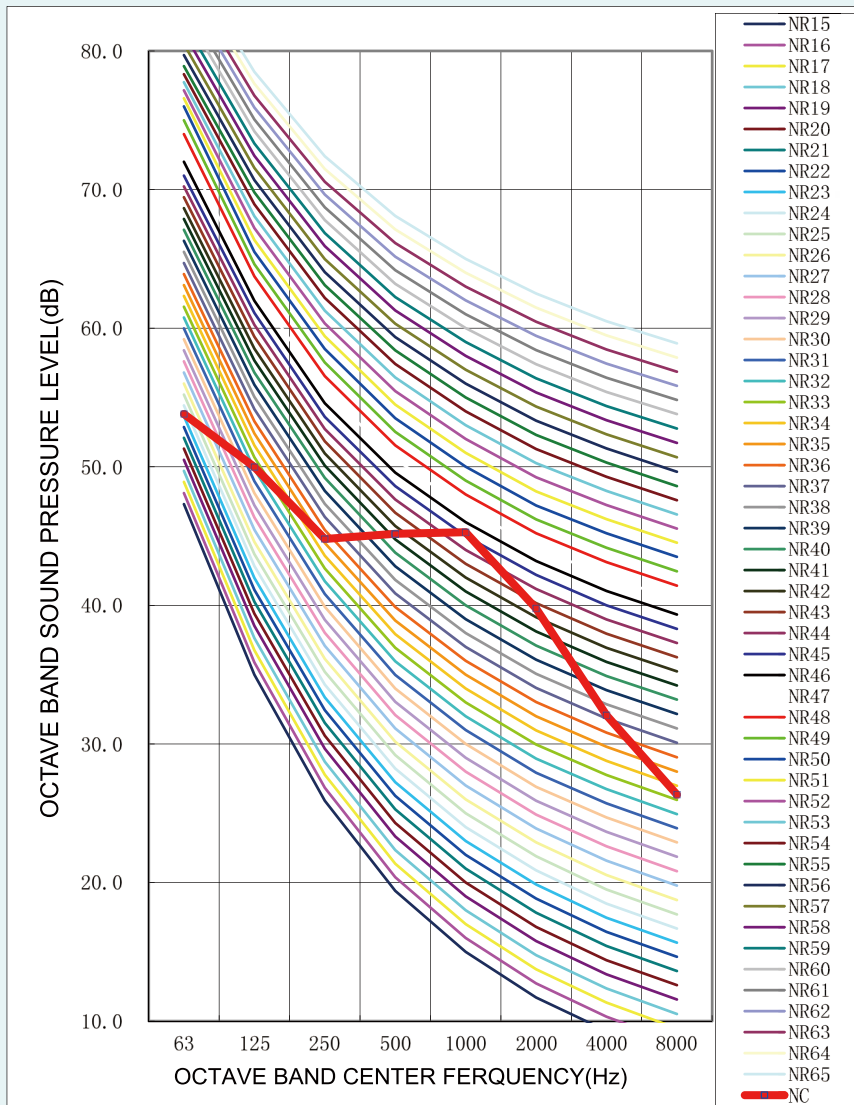
Heating



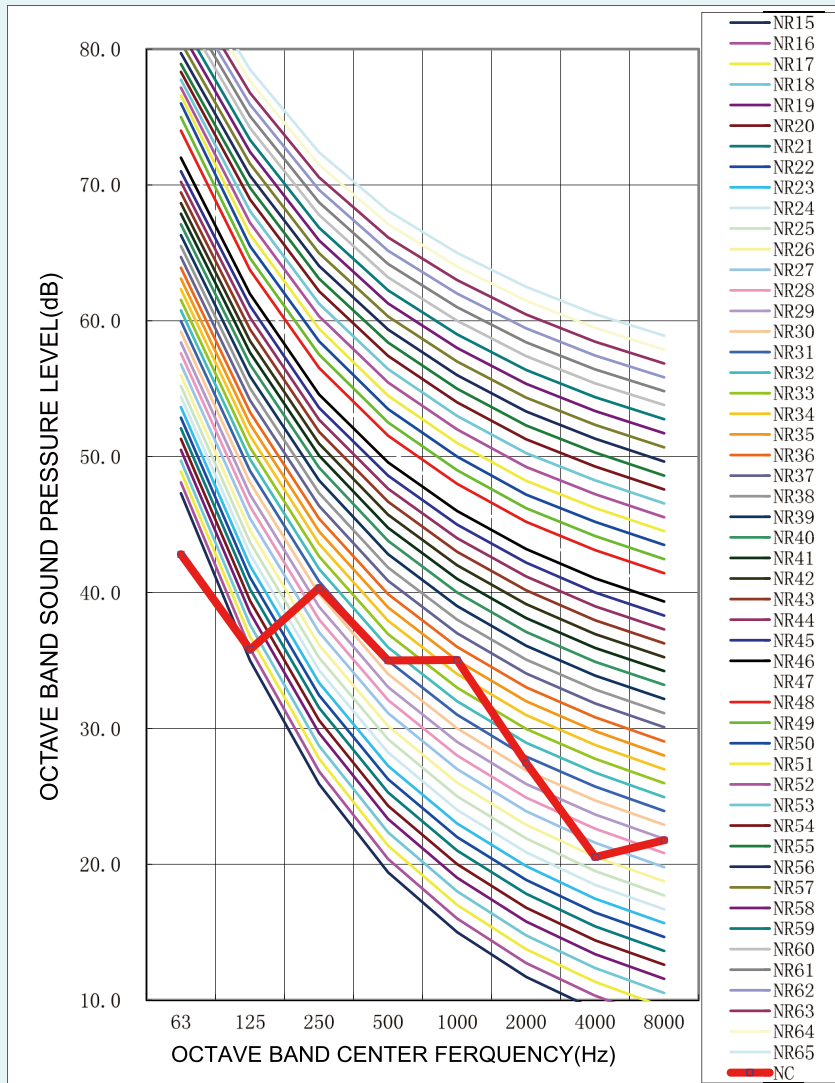
GU71ZD/A1-K
Cooling



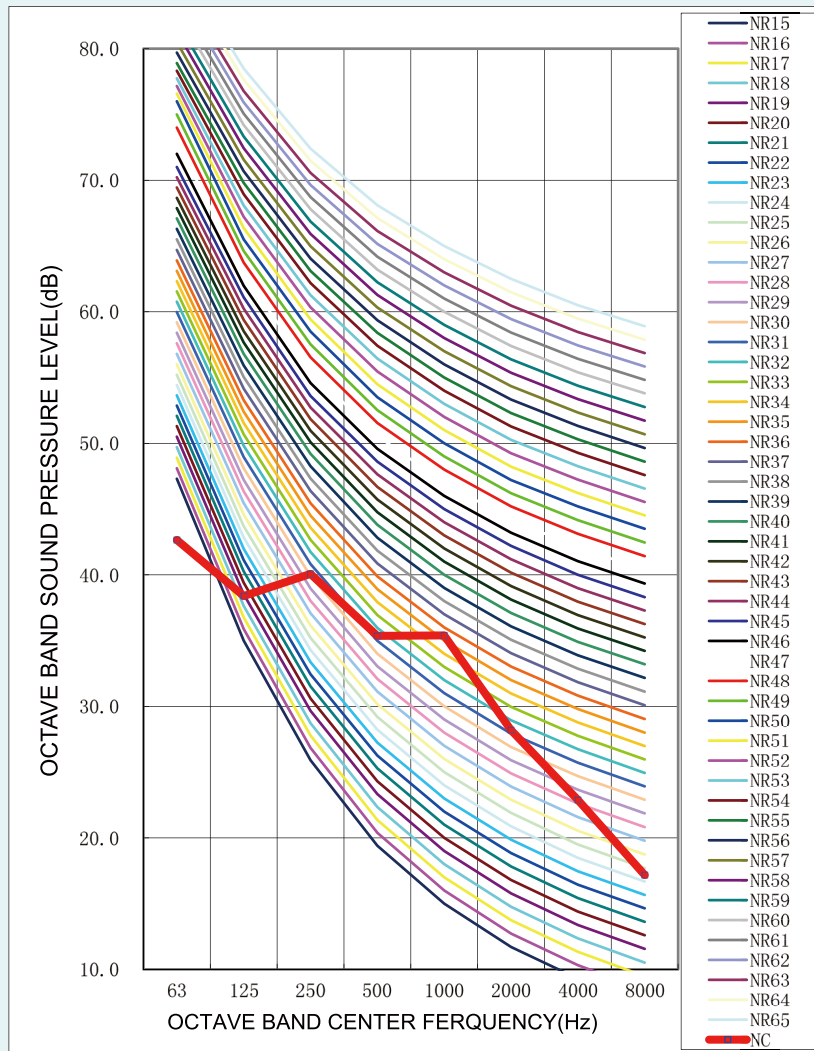
Heating



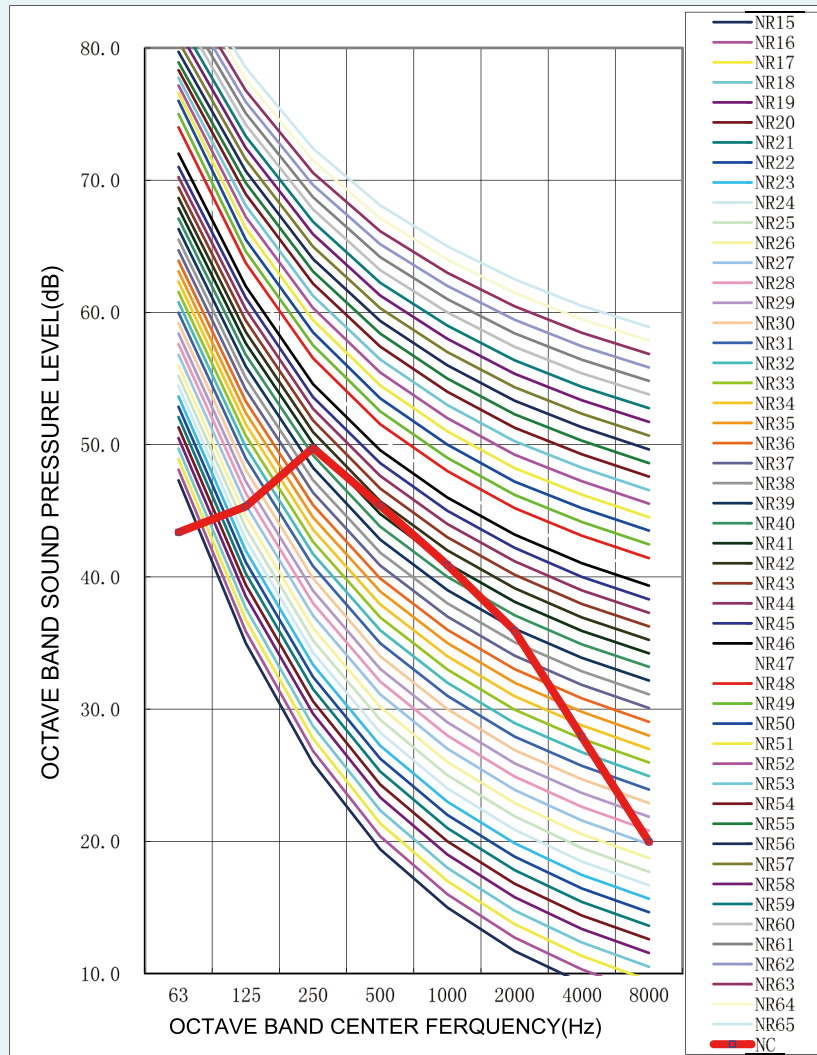
GU71P/A1-K, GU71PS/A1-K
Cooling



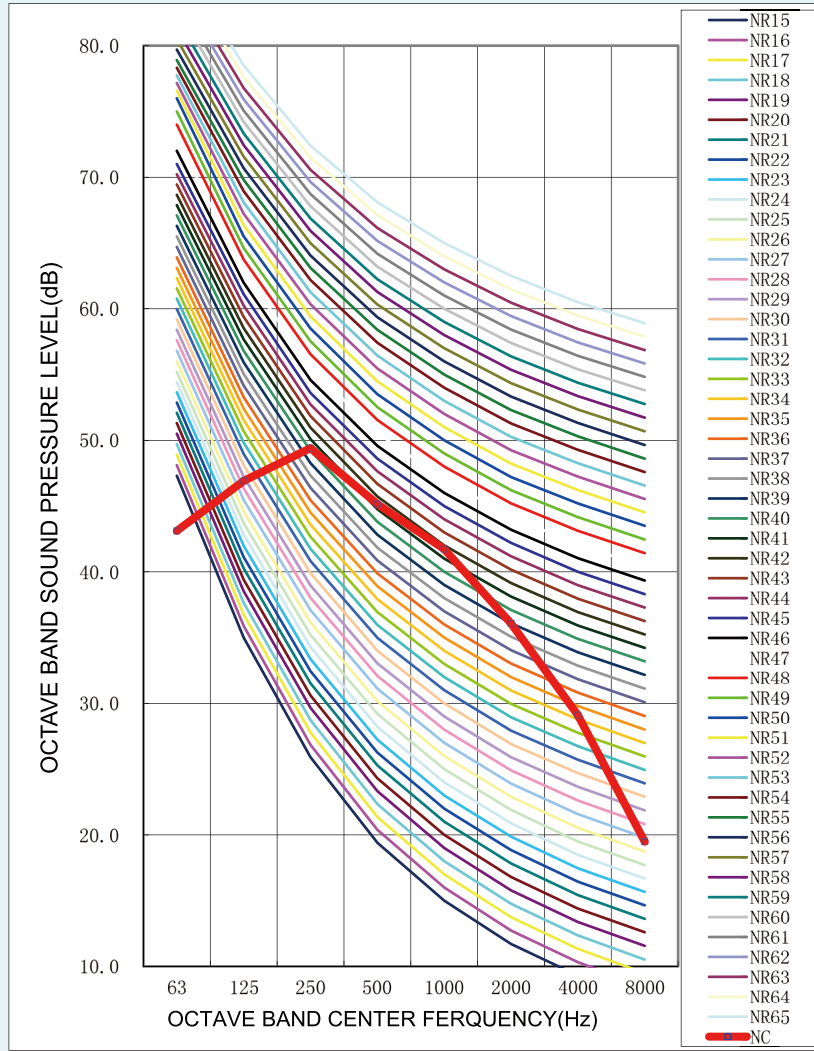
Heating



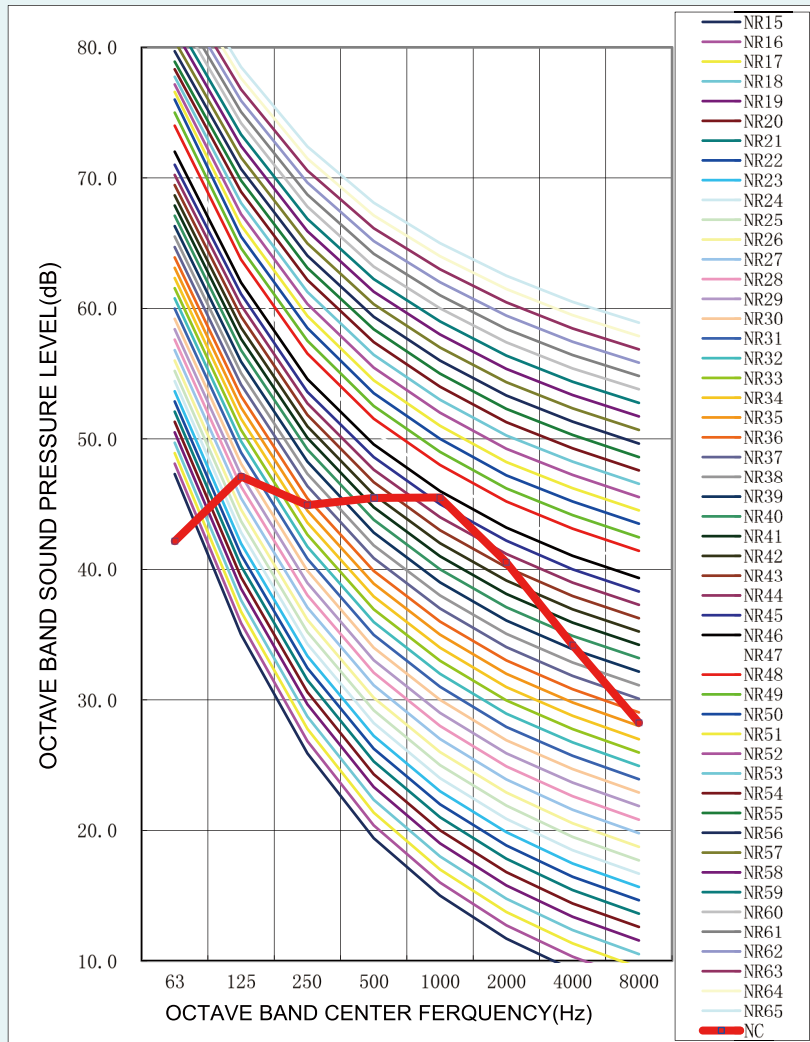
GU85T/A1-K
Cooling



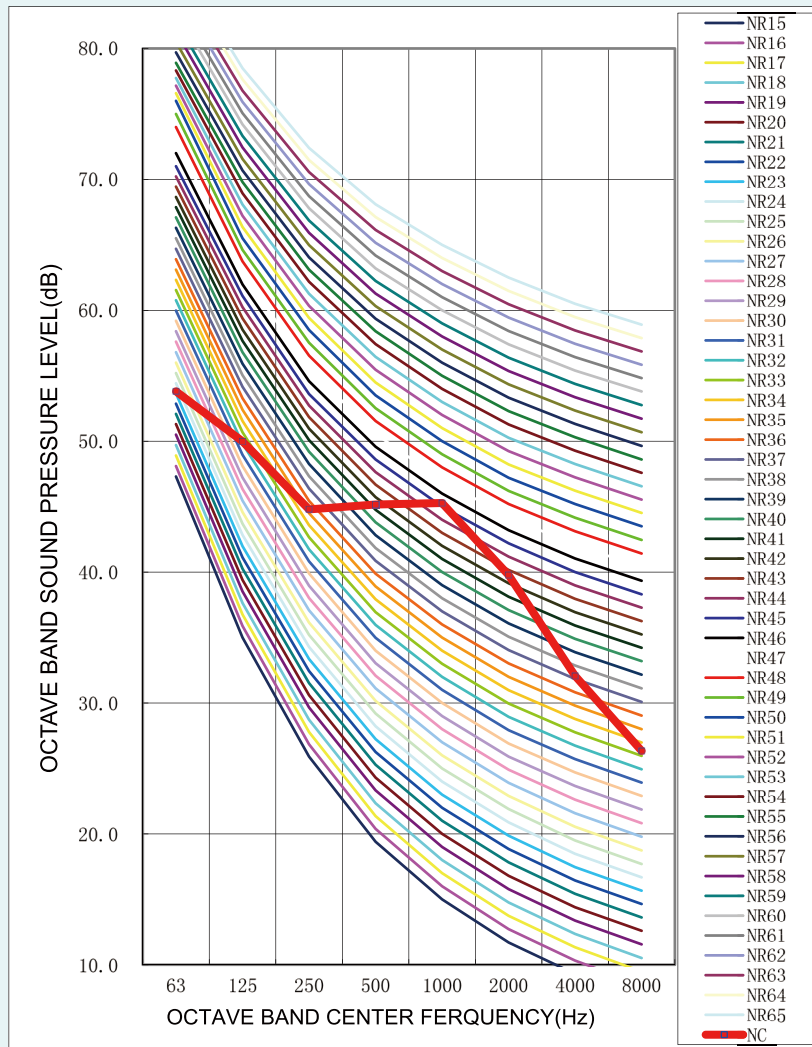
Heating



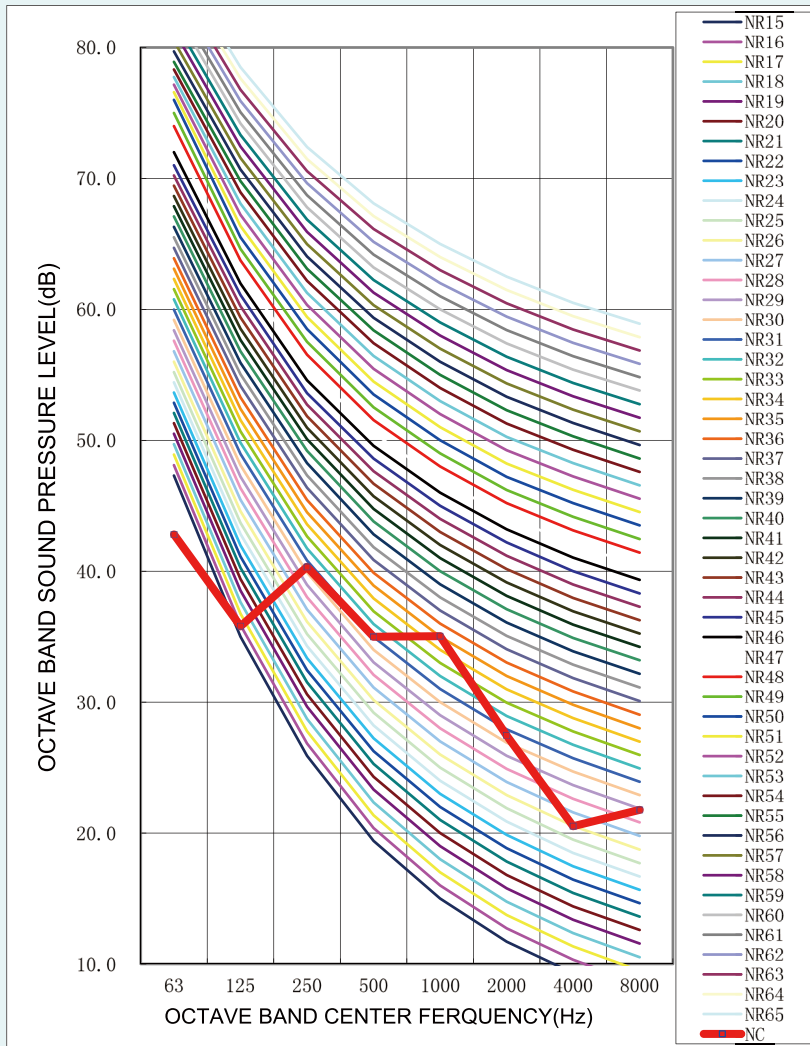
GU85ZD/A1-K
Cooling



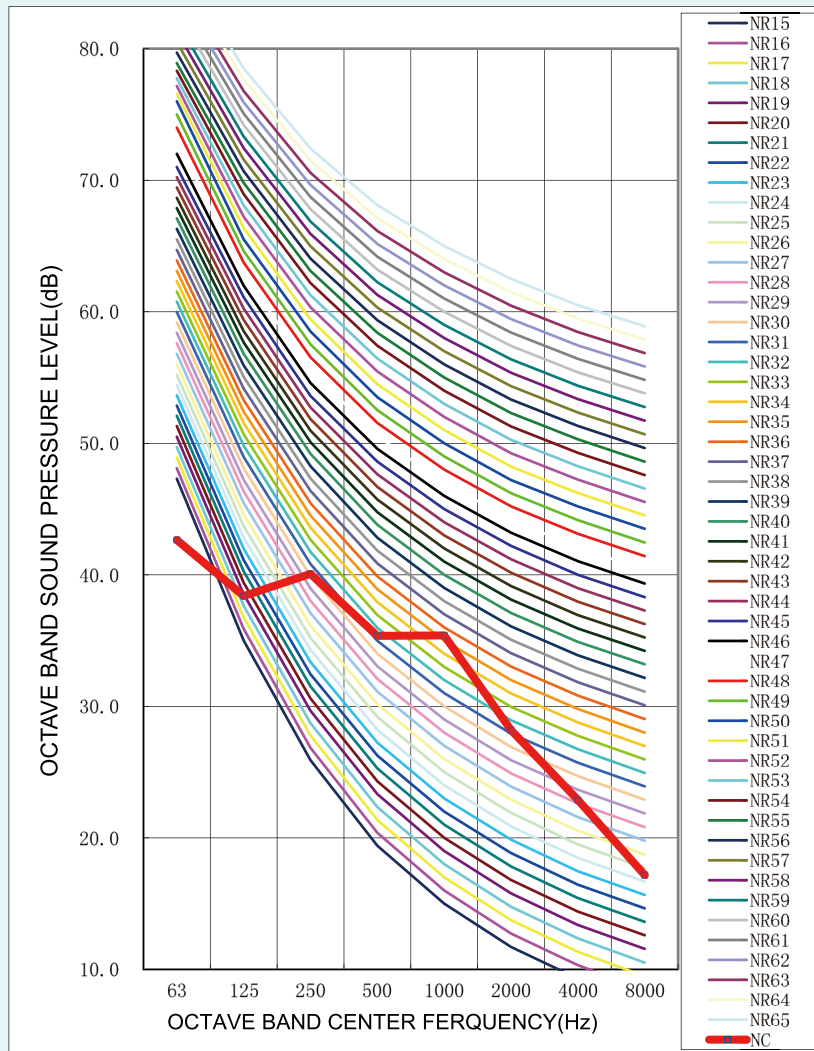
Heating



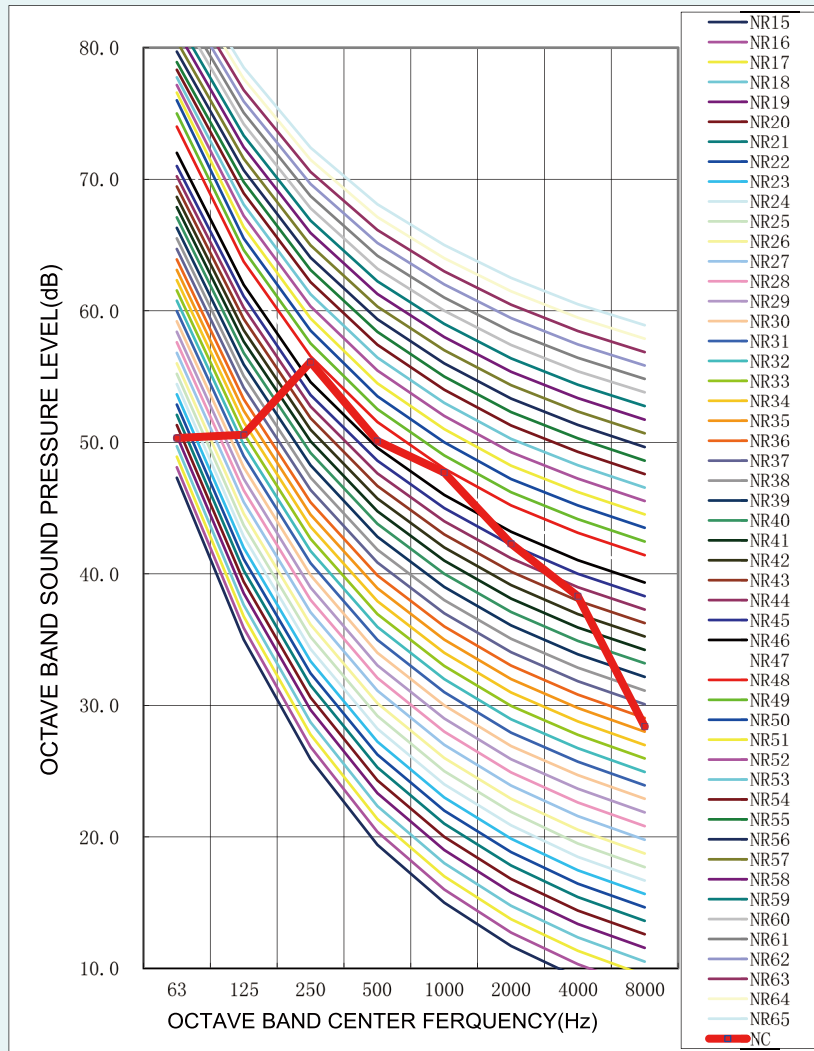
GU85P/A1-K, GU85PS/A1-K
Cooling



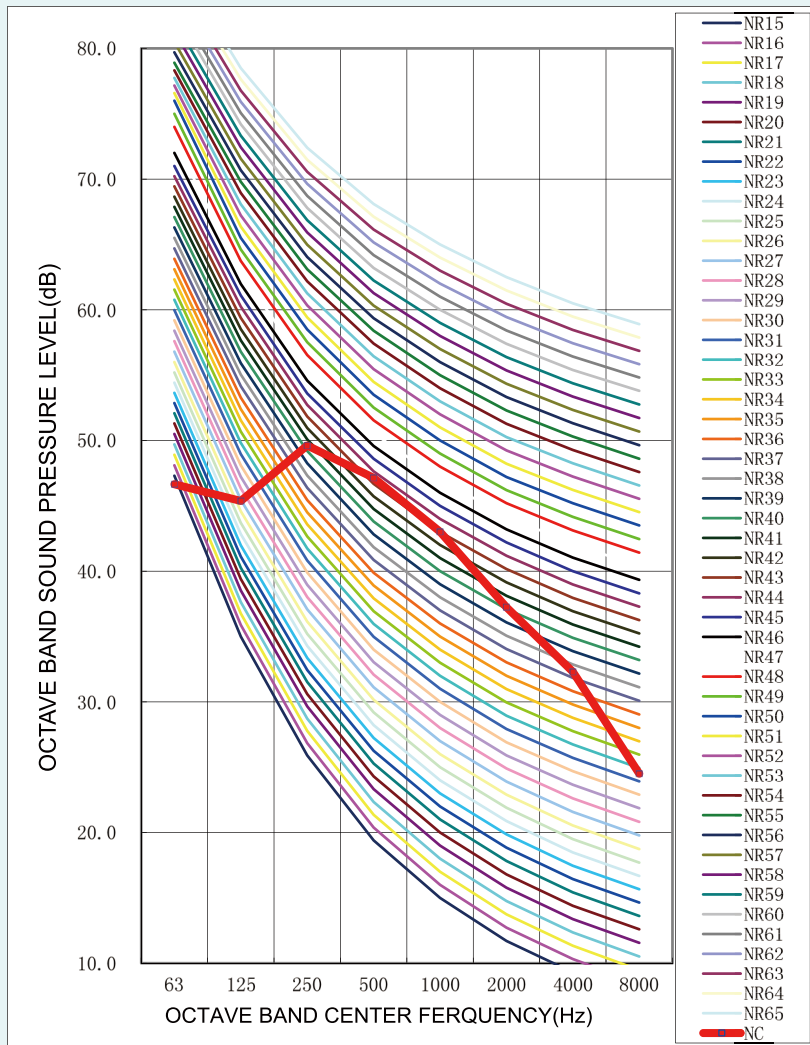
Heating



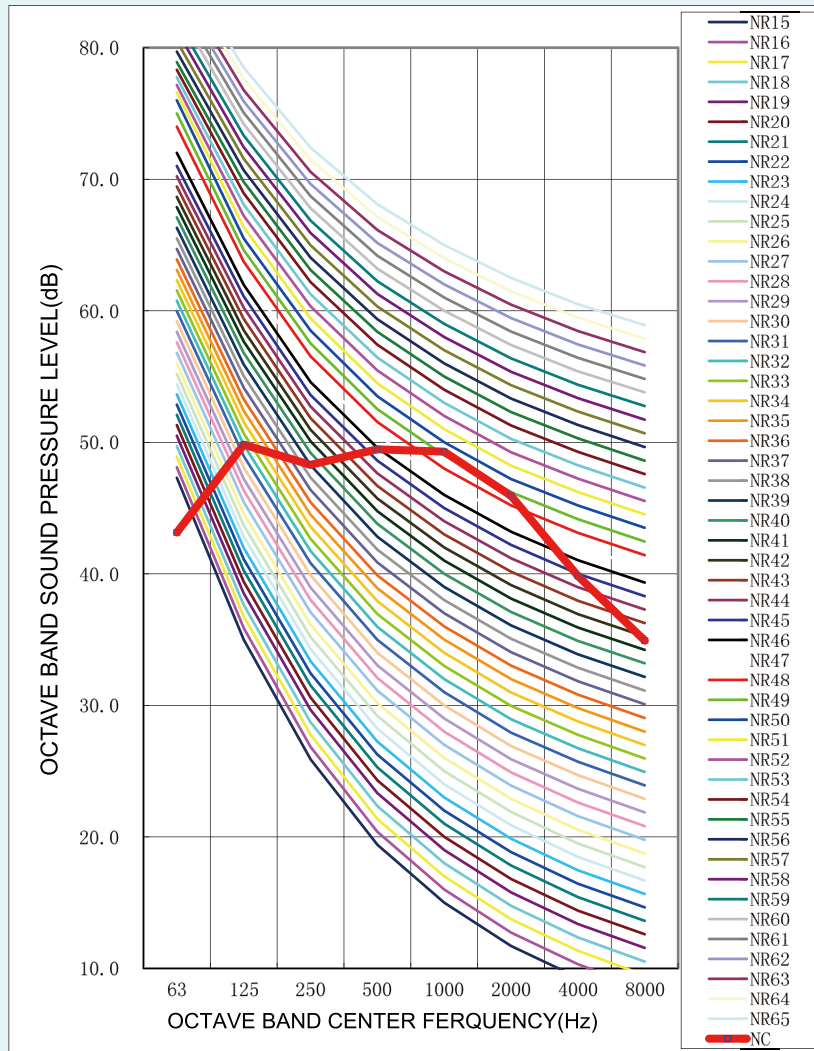
GU100T/A1-K
Cooling



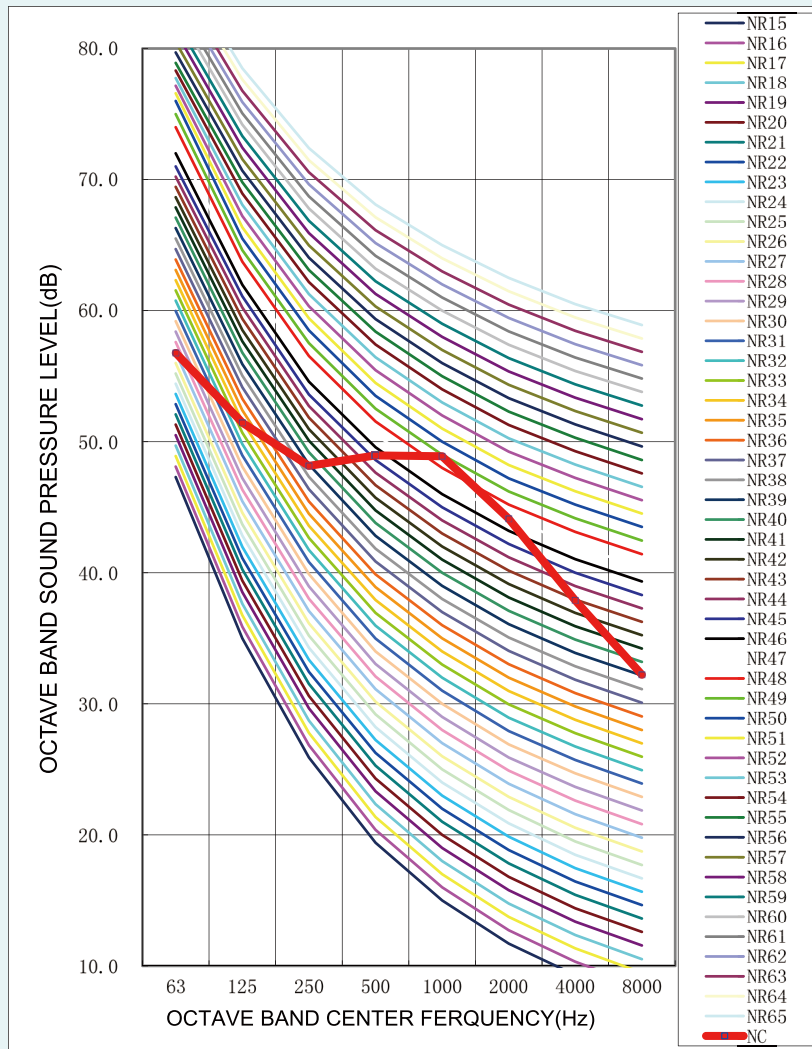
Heating



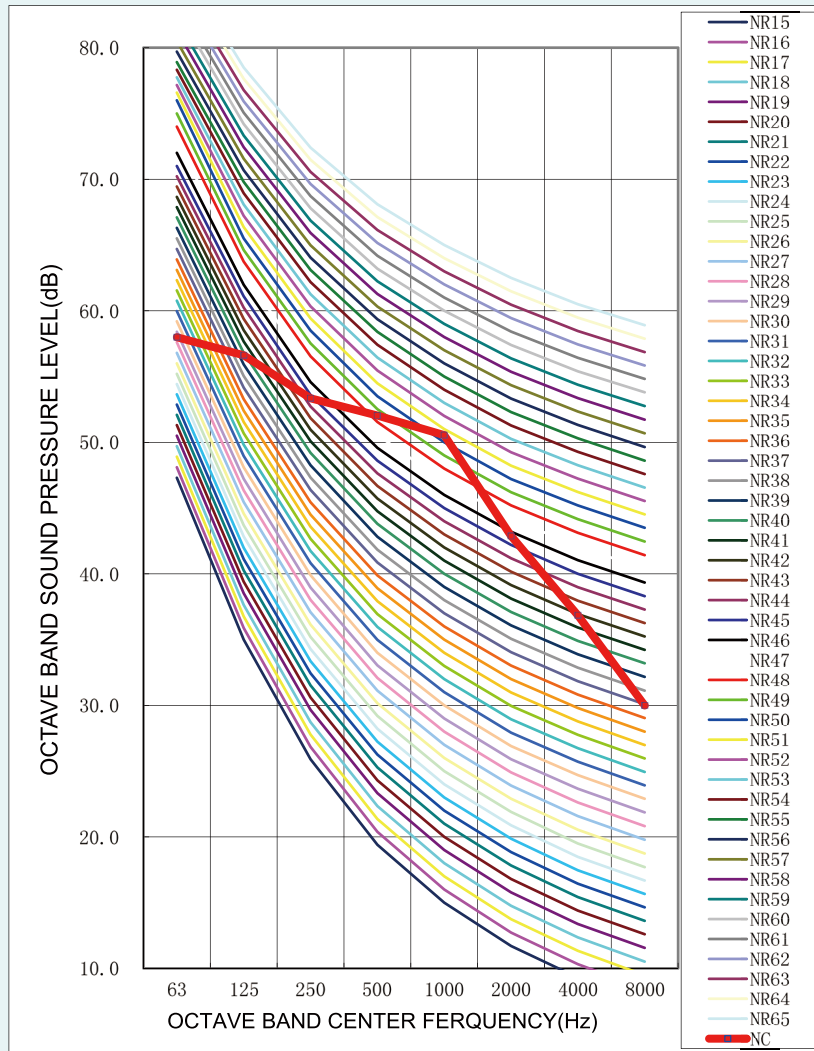
GU100ZD/A1-K
Cooling



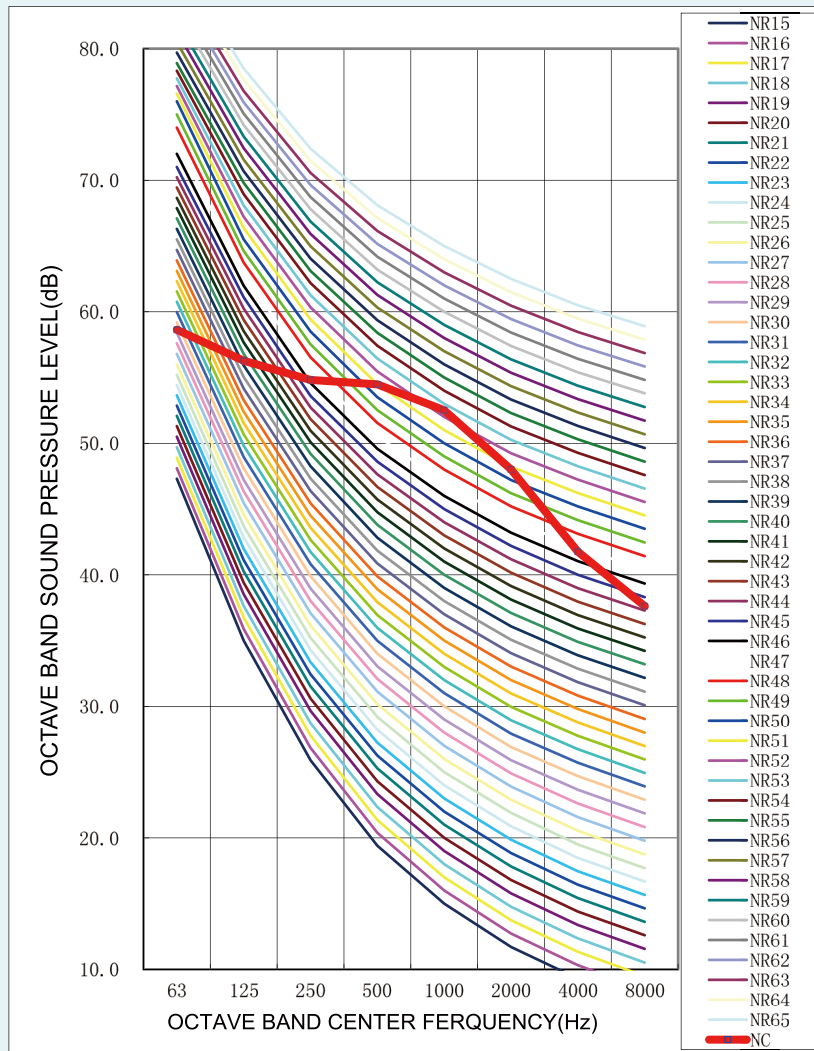
Heating



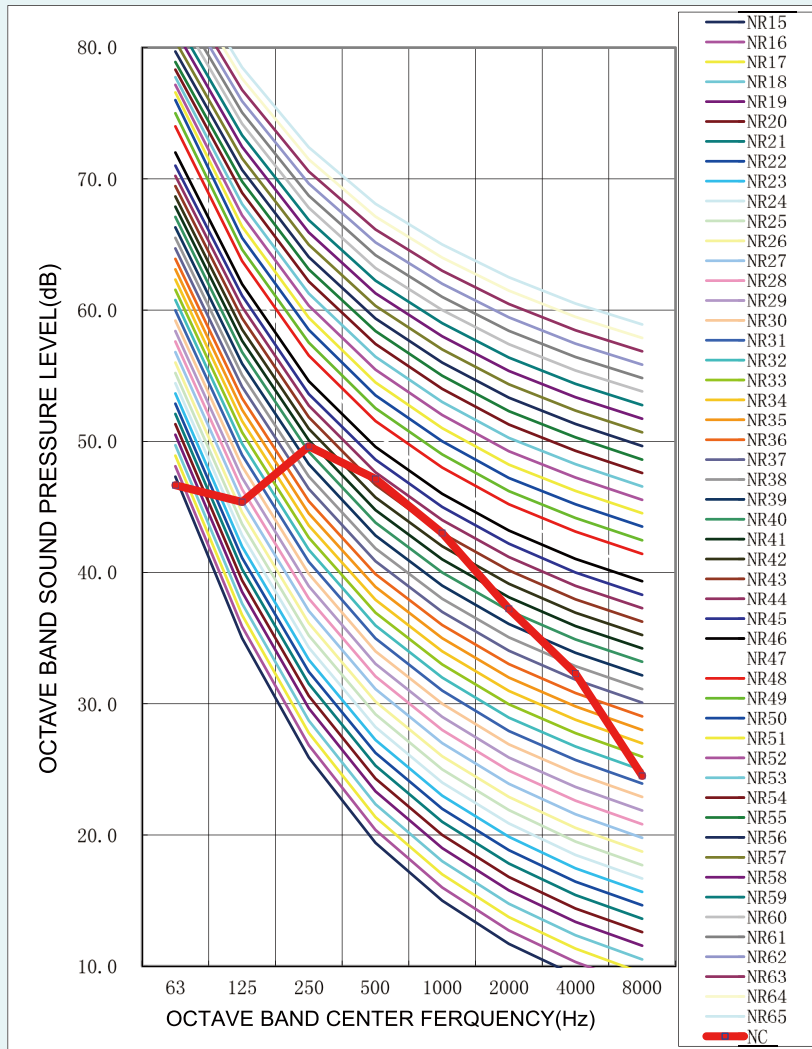
GU100PH/A1-K, GU100PHS/A1-K
Cooling



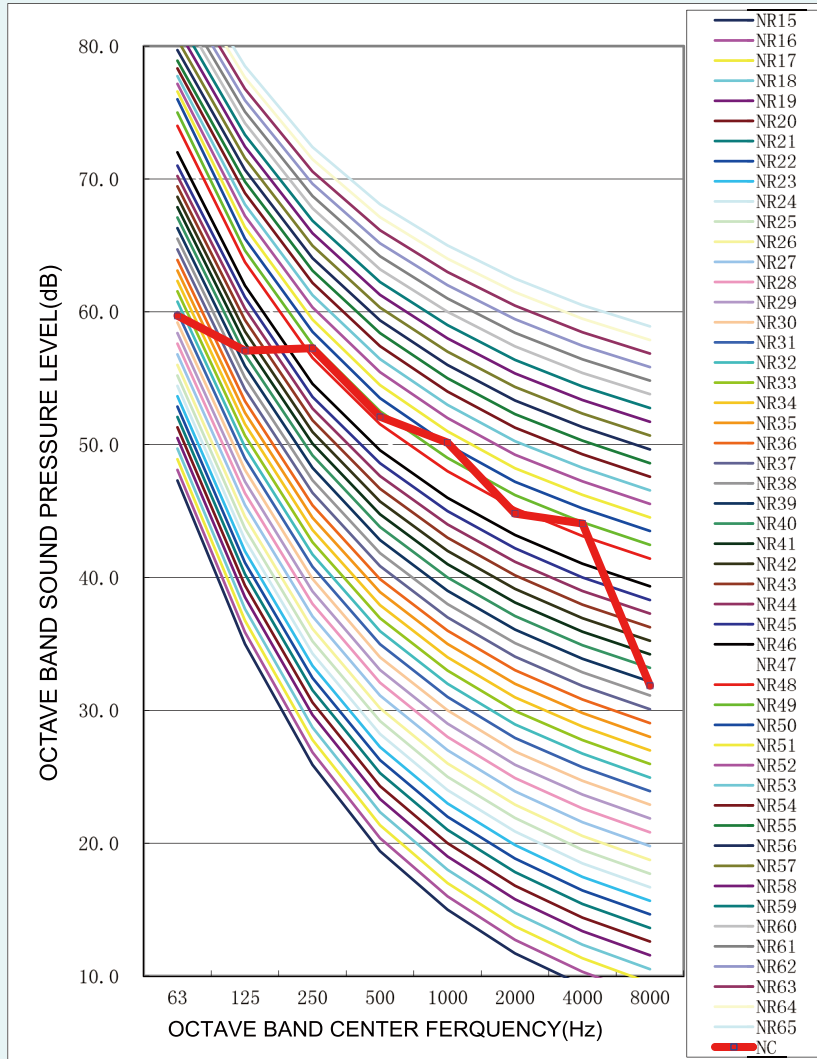
Heating



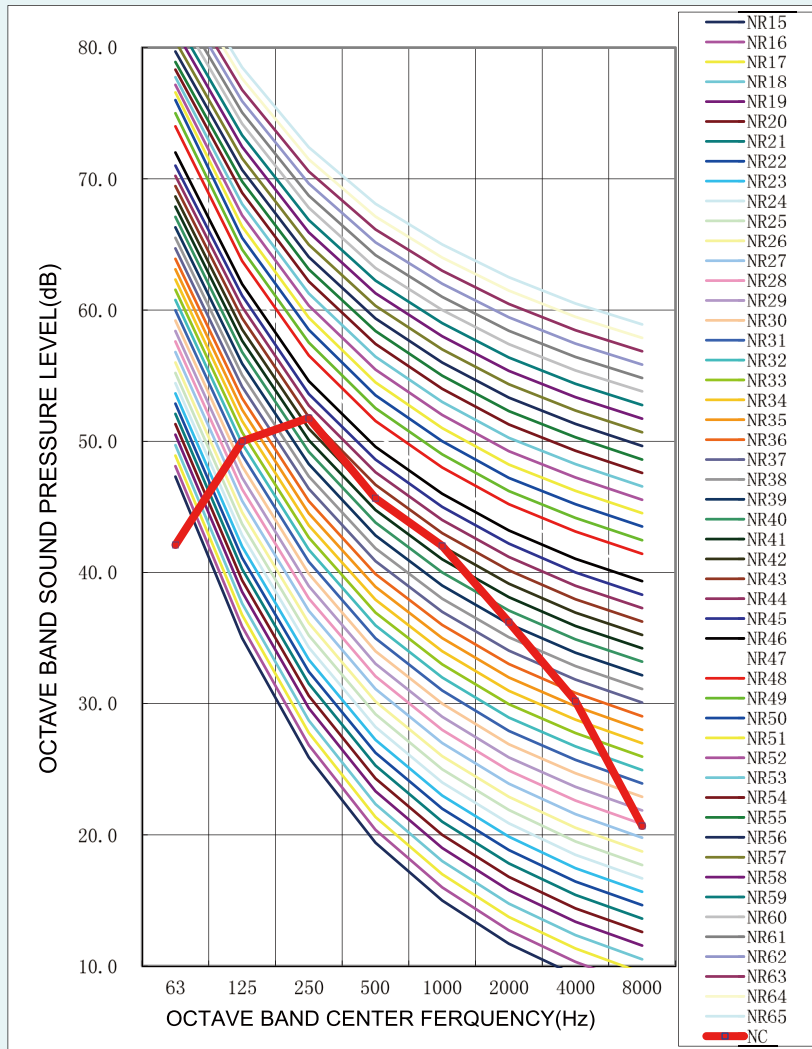
GU125T/A1-K
Cooling



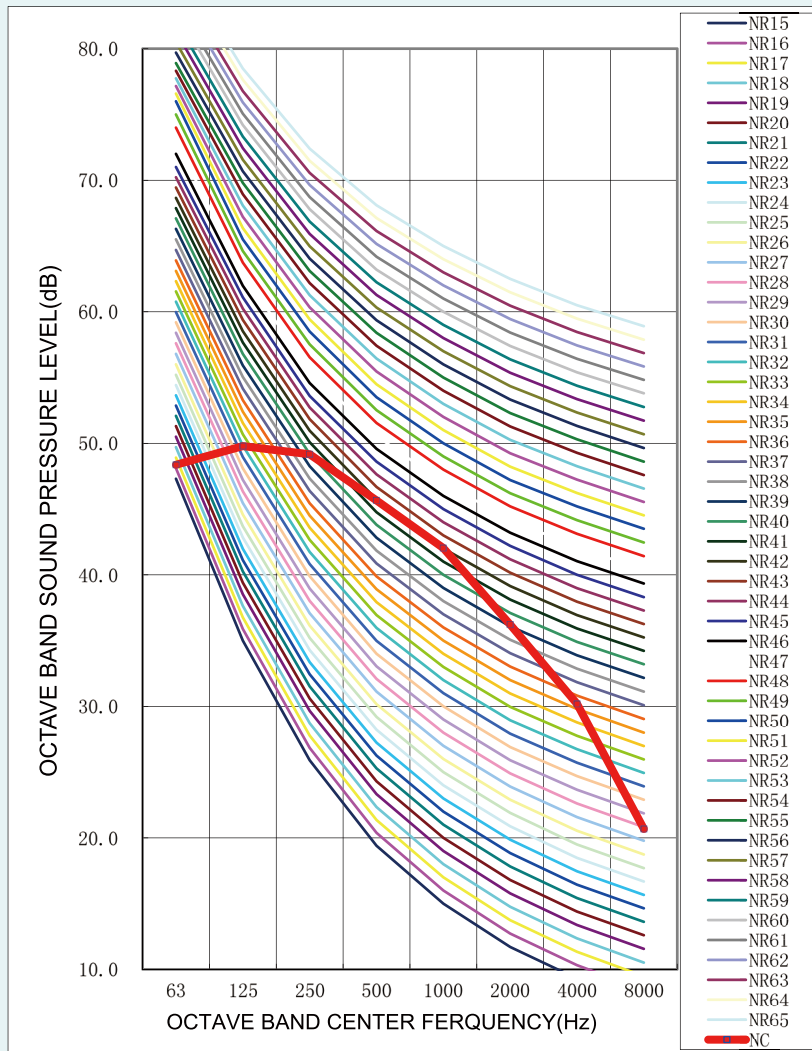
Heating



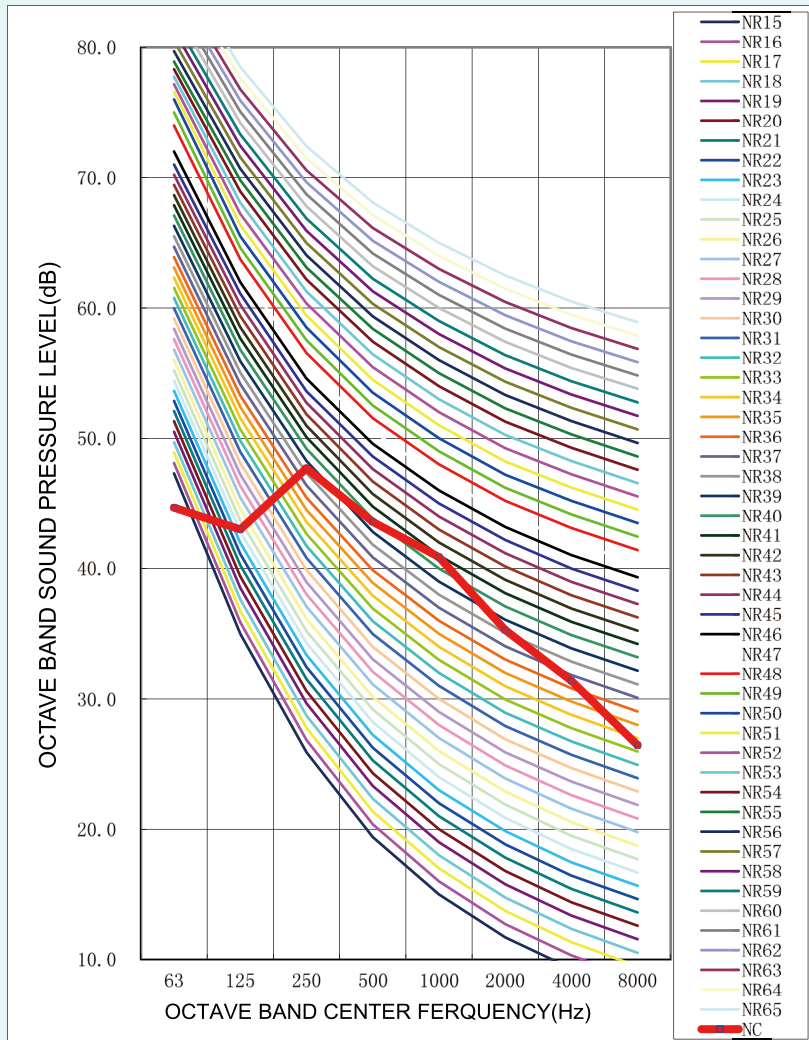
GU125ZD/A1-K
Cooling



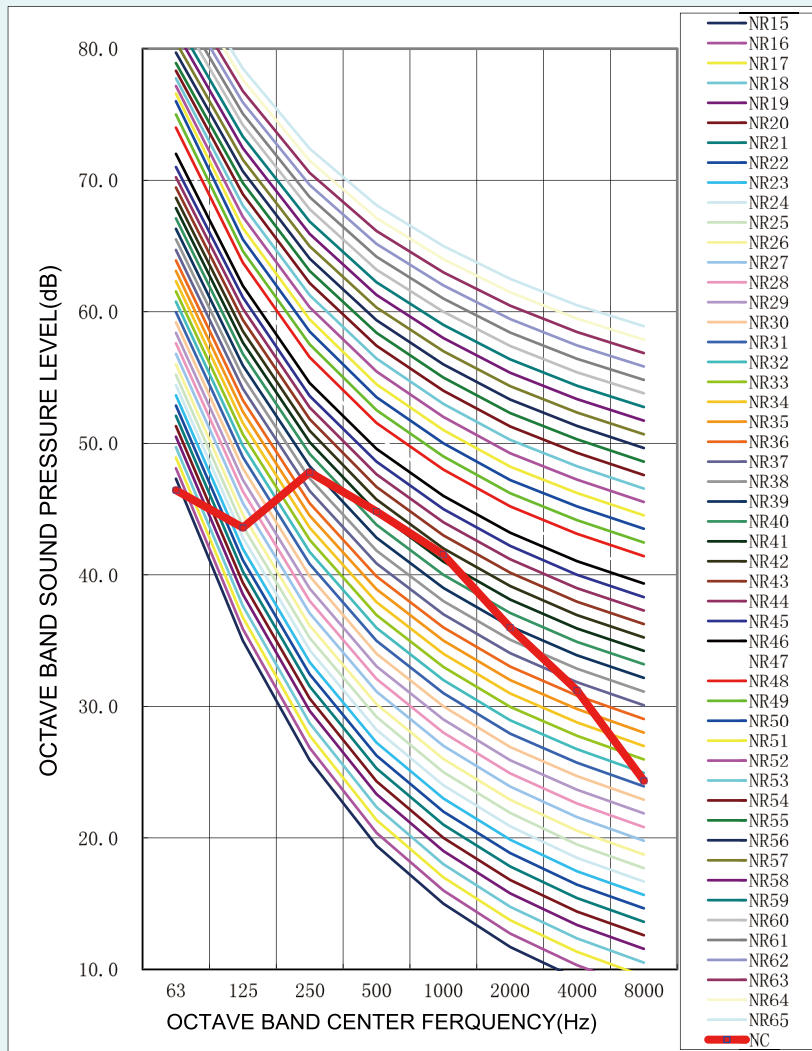
Heating



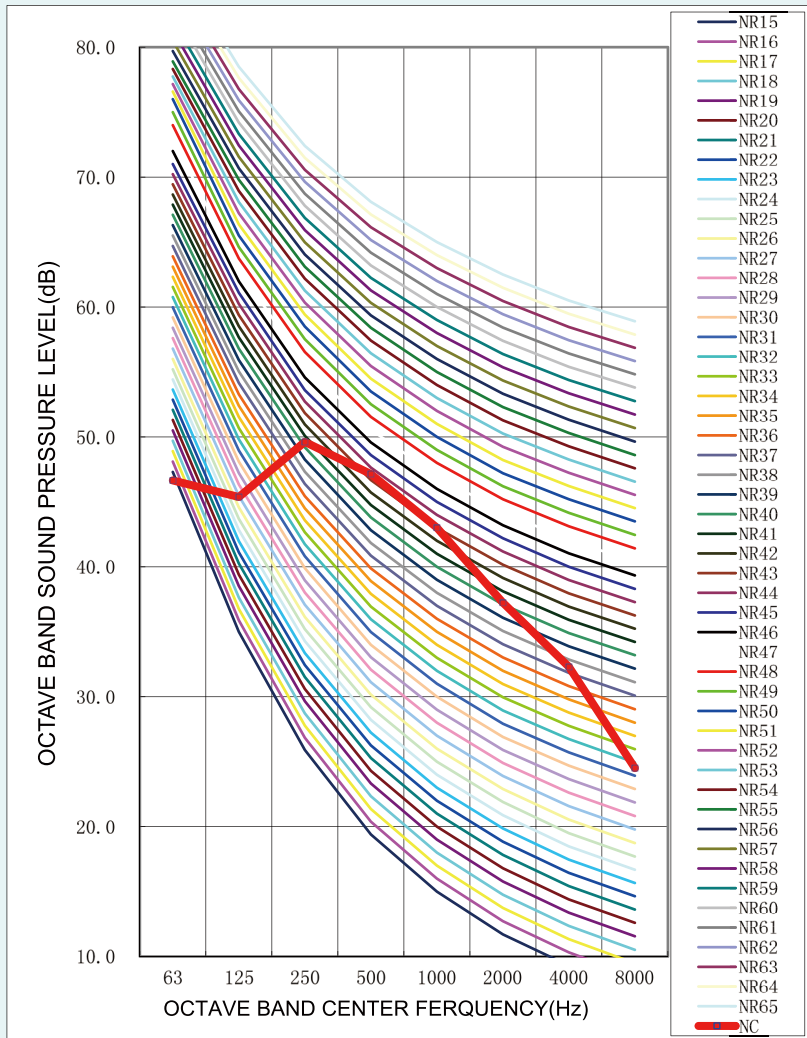
GU125PH/A1-K, GU125PHS/A1-K
Cooling



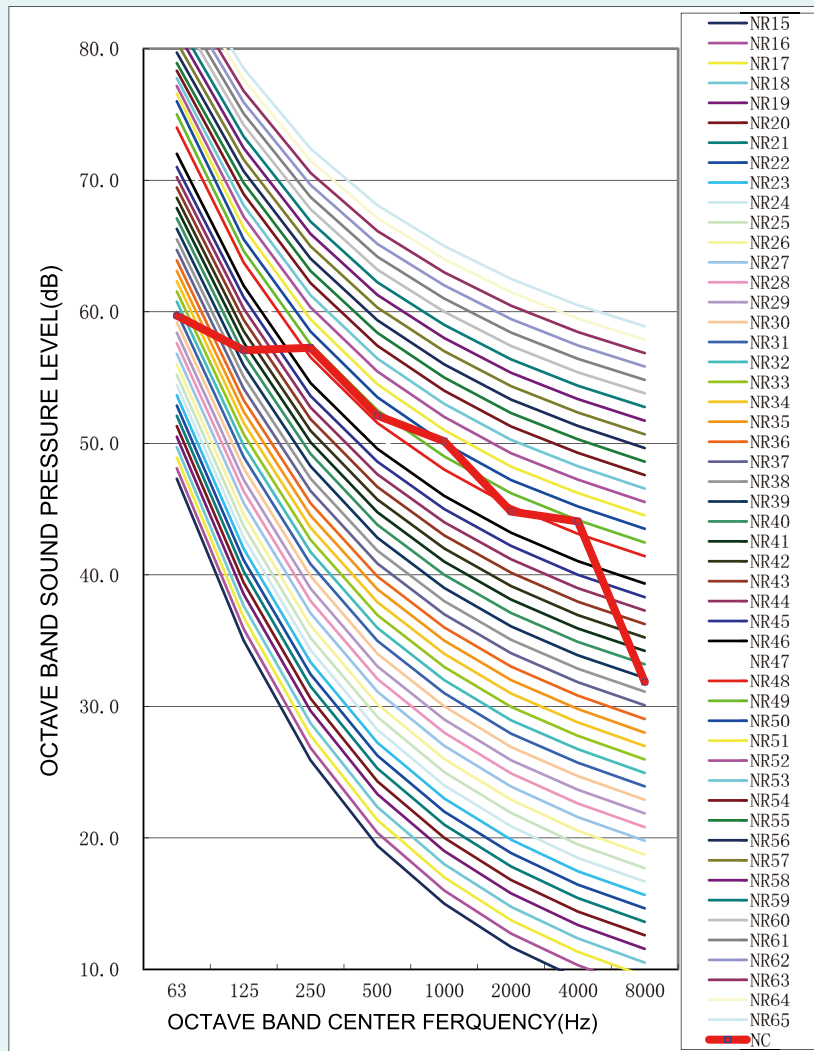
Heating



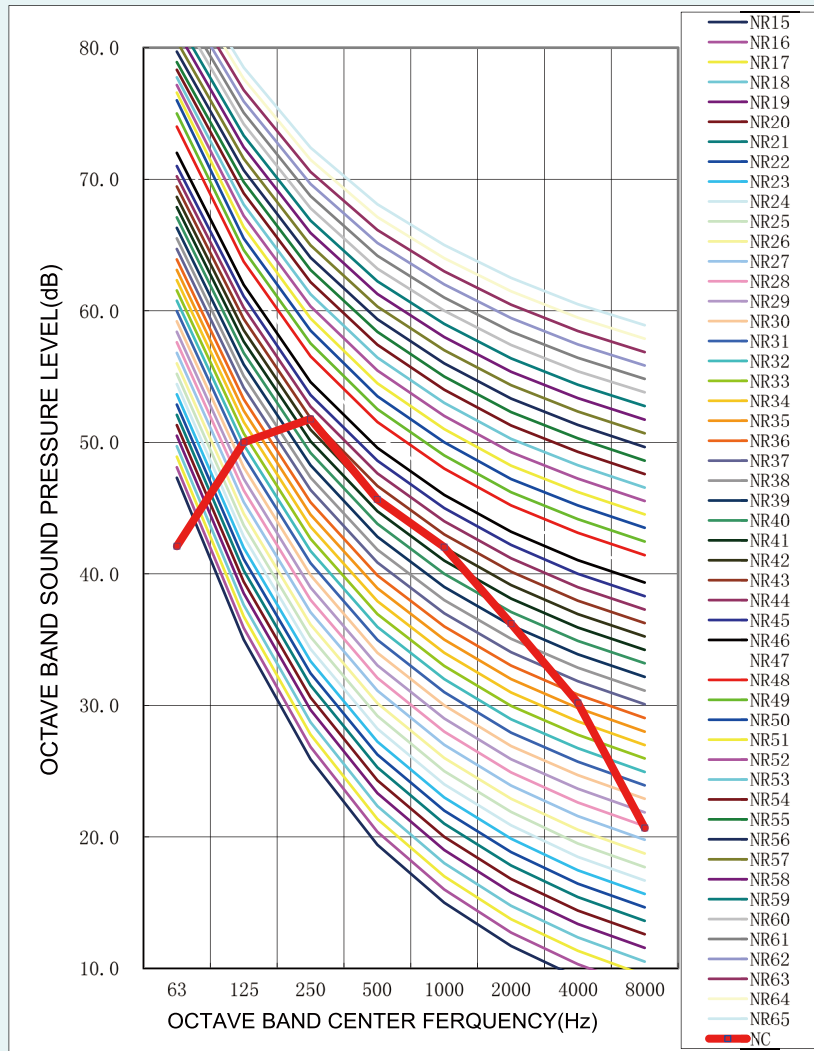
GU140T/A1-K
Cooling



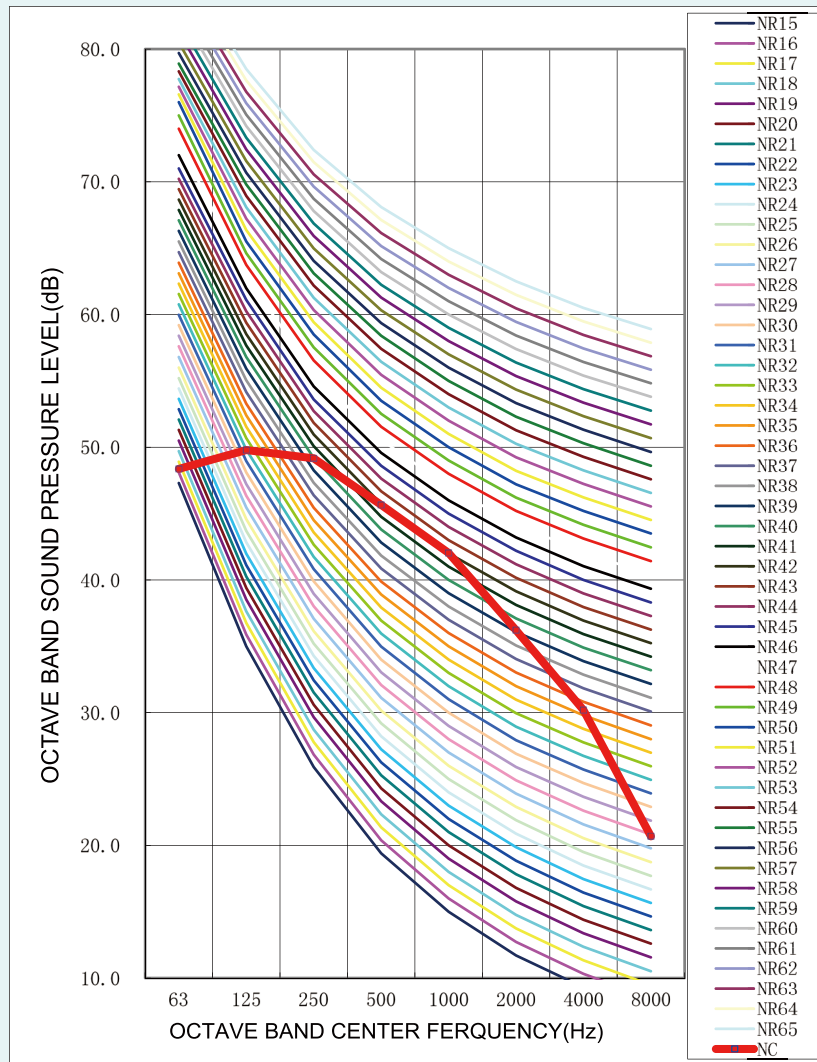
Heating



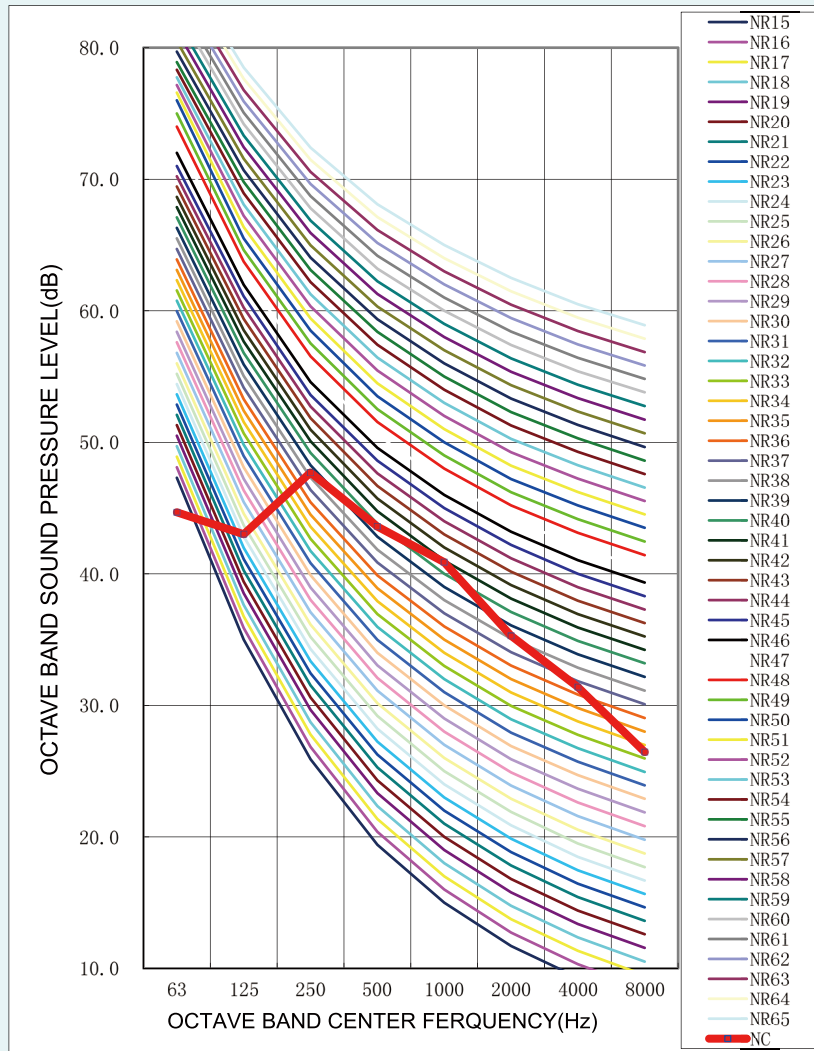
GU140ZD/A1-K
Cooling



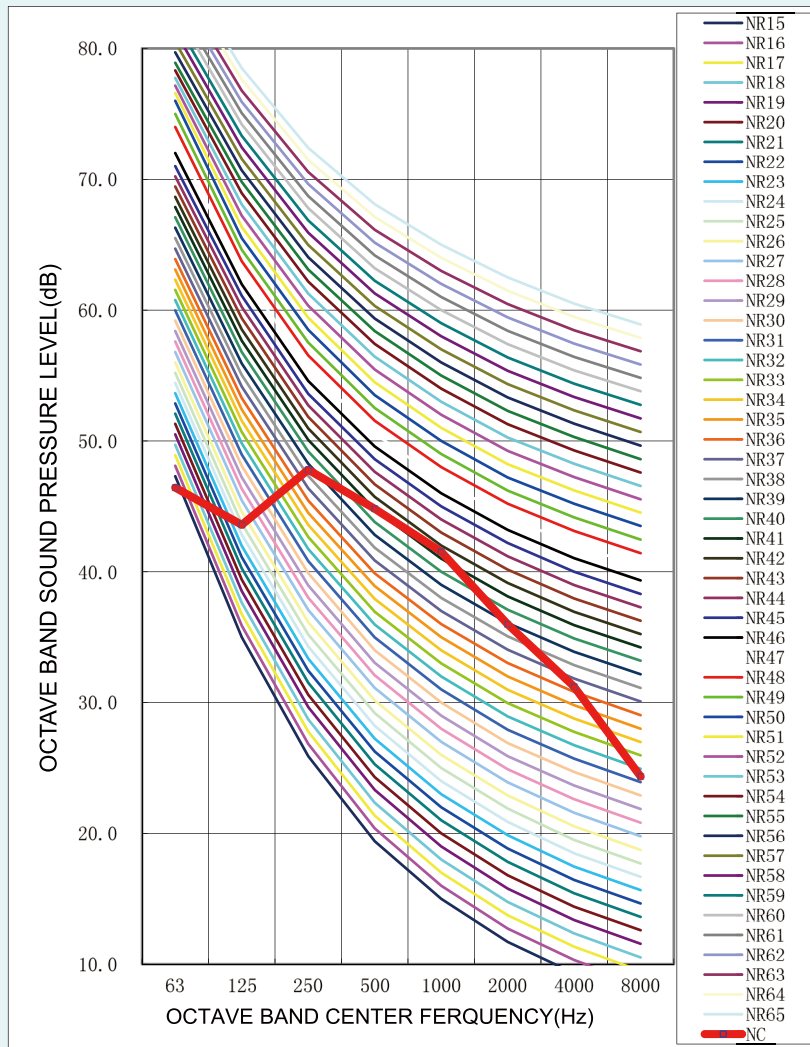
Heating



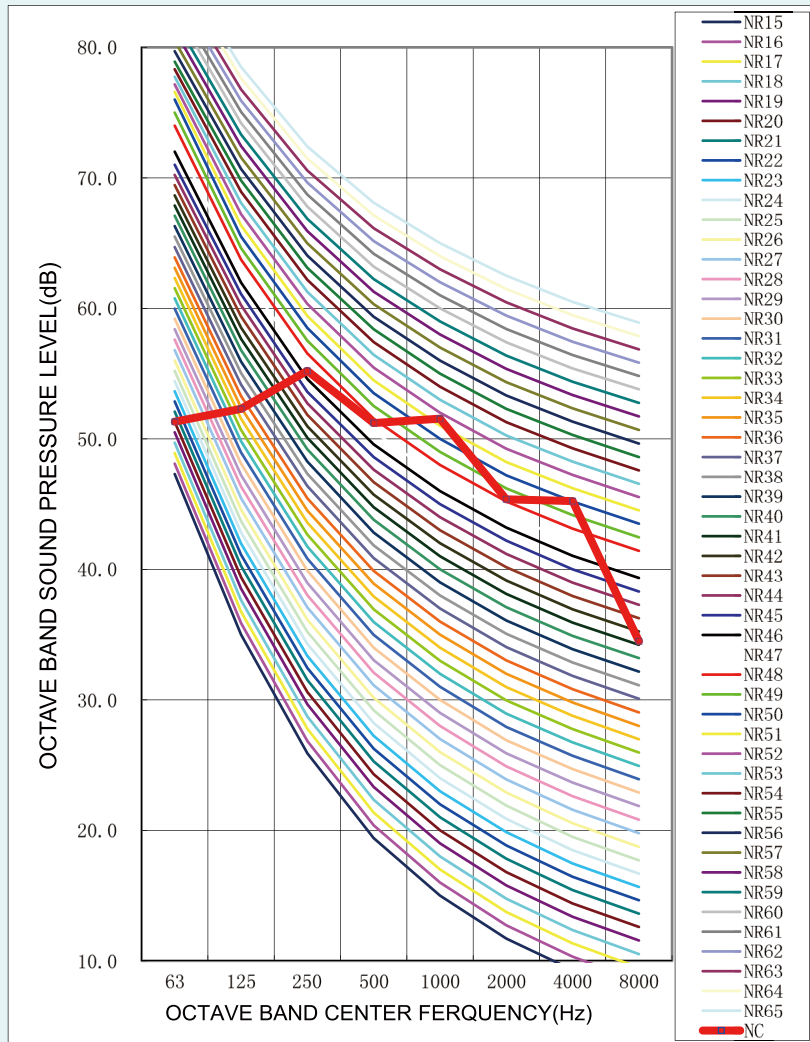
GU140PH/A1-K, GU140PHS/A1-K
Cooling



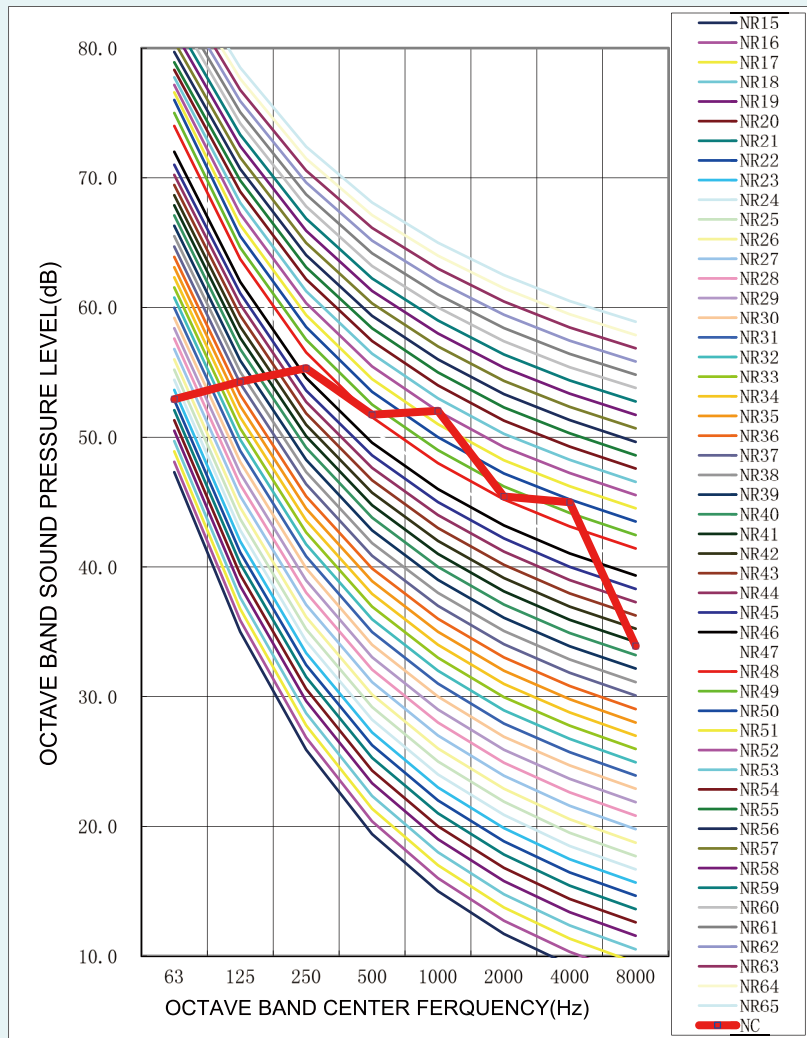
Heating



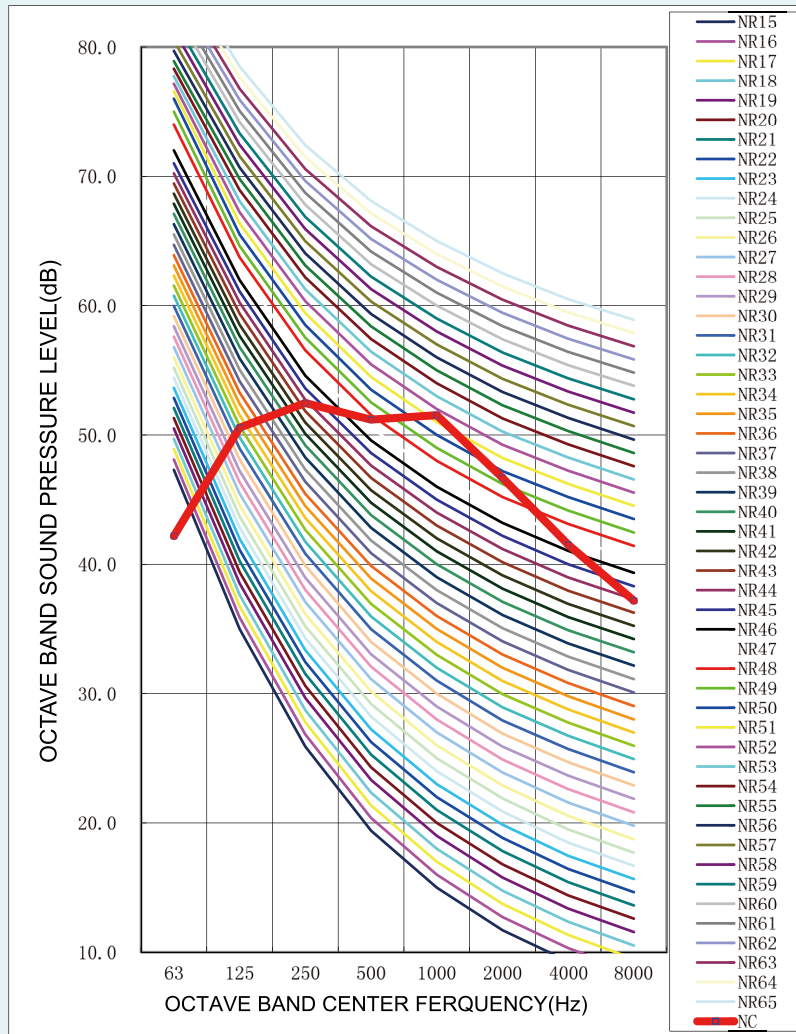
GU160T/A1-K
Cooling



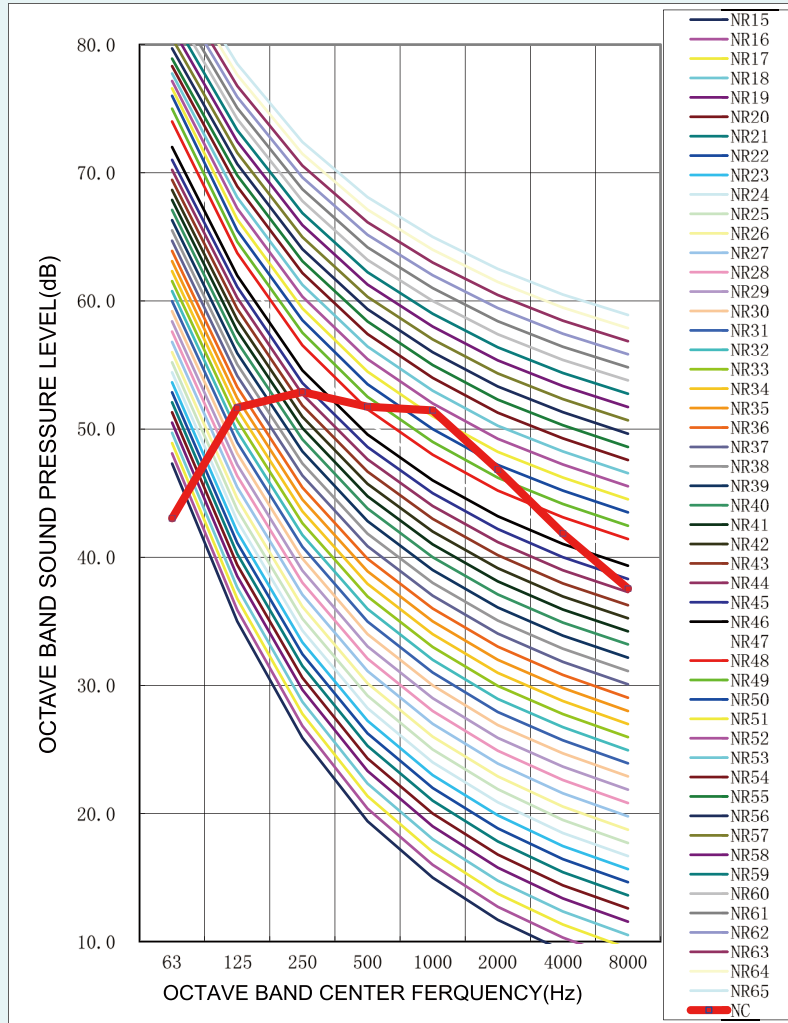
Heating



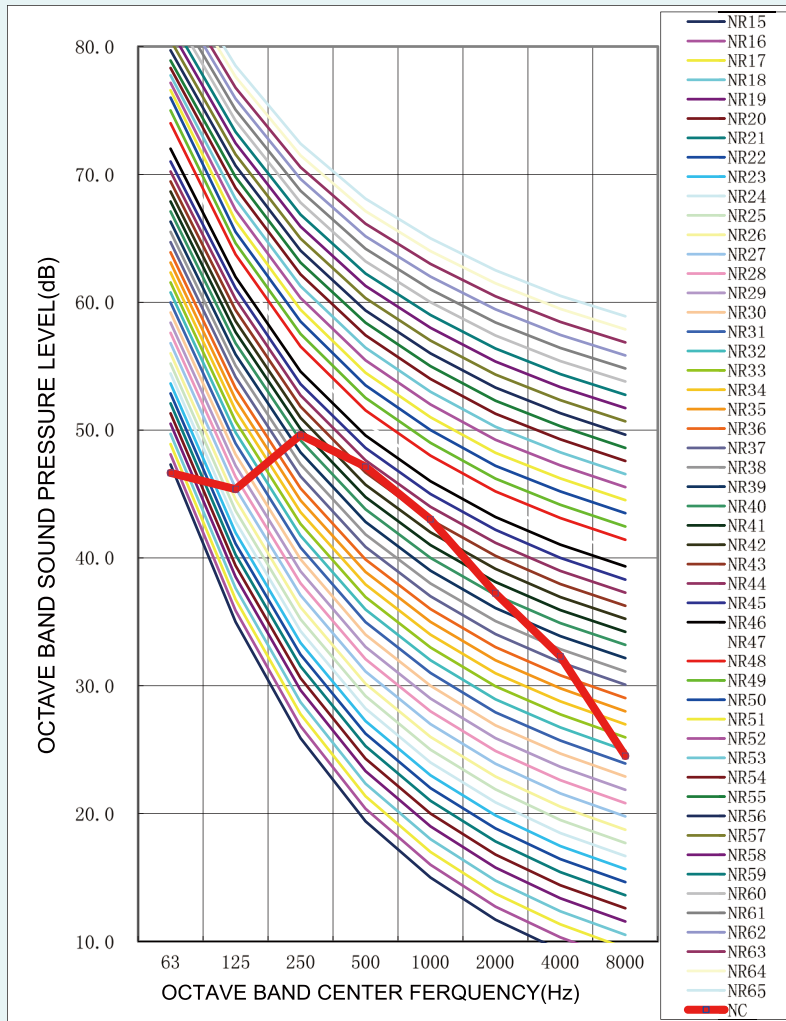
GU160ZD/A1-K
Cooling



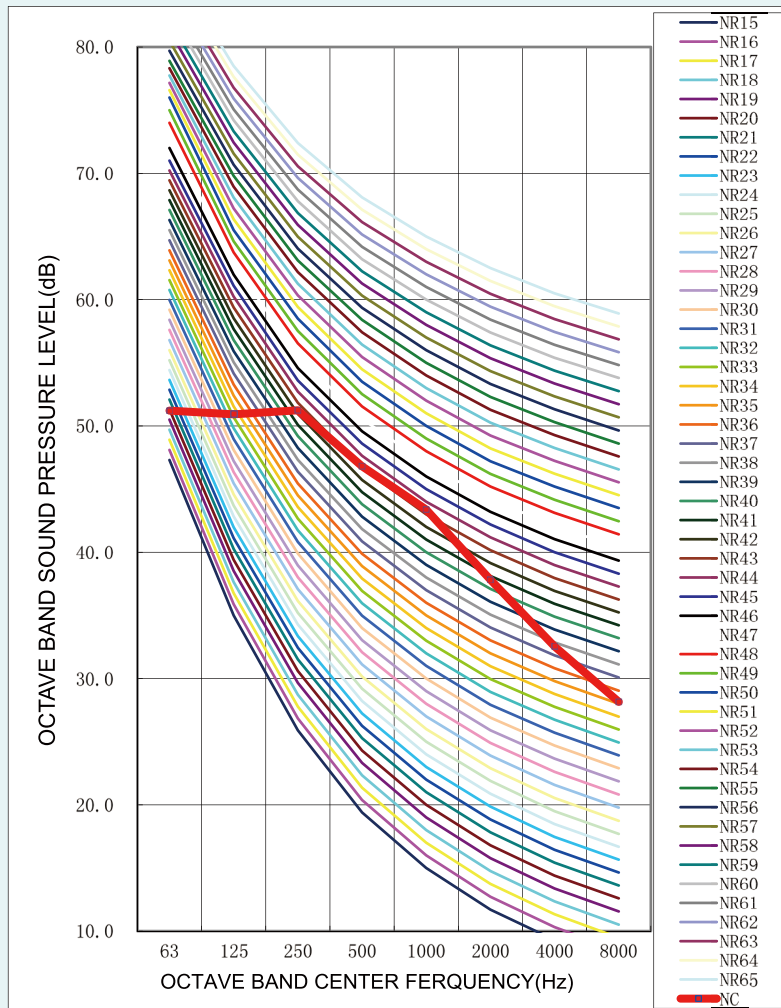
Heating



GU160PH/A1-K, GU160PHS/A1-K
Cooling



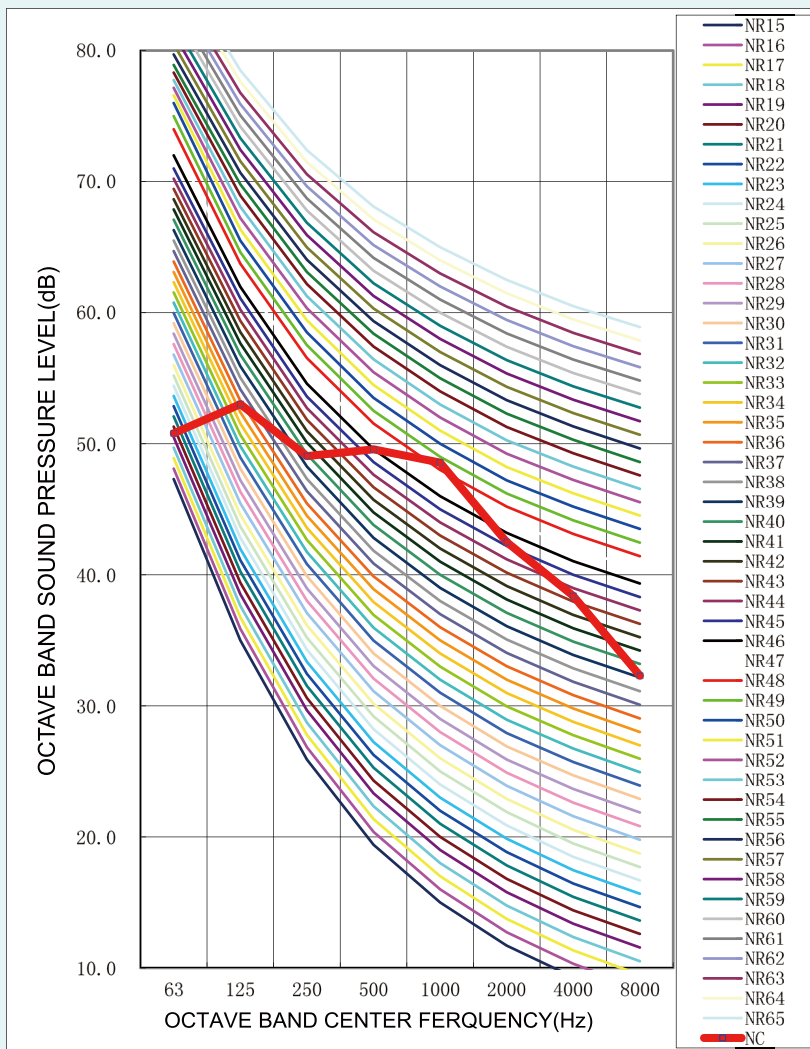
Heating



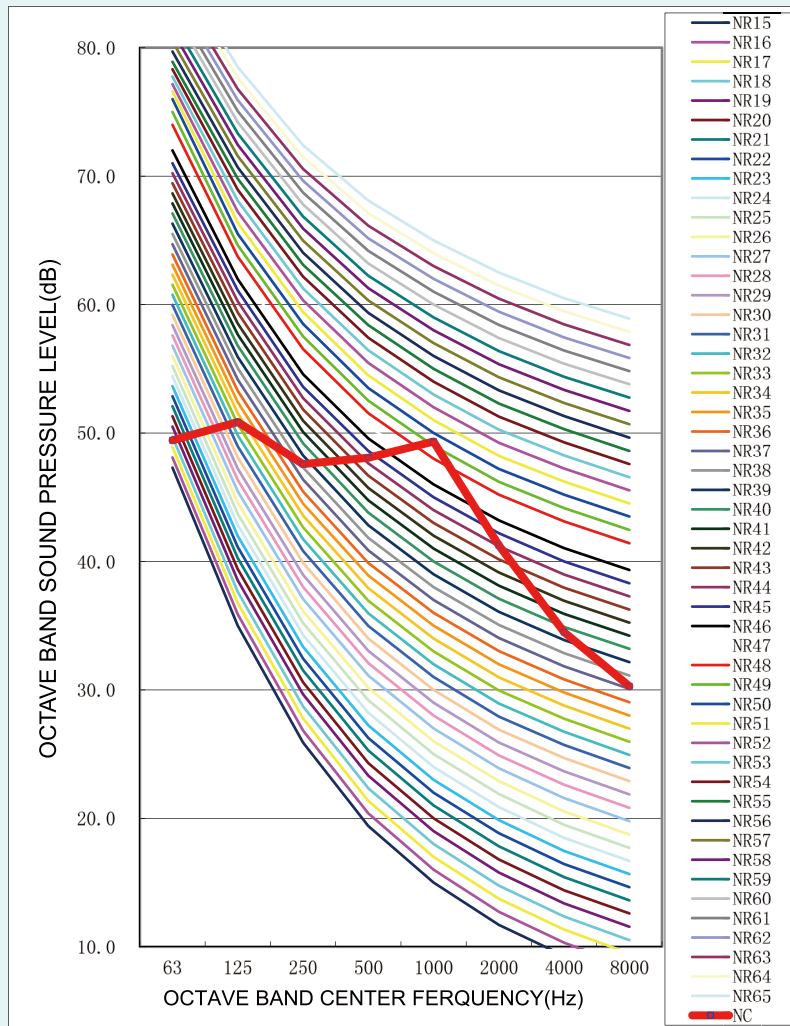
1. Data is valid at field condition.
2. Data is valid at nominal operation condition.
3. dBA =A –weighted sound pressure level (A-scale according to IEC).
4. Noise level curve NR: The International Organization for Standardization (ISO) evaluates the noise level (NR) of the noise spectrum using a single value on the spectrum method (according to ISO 1996).

9.2.2 Outdoor Unit

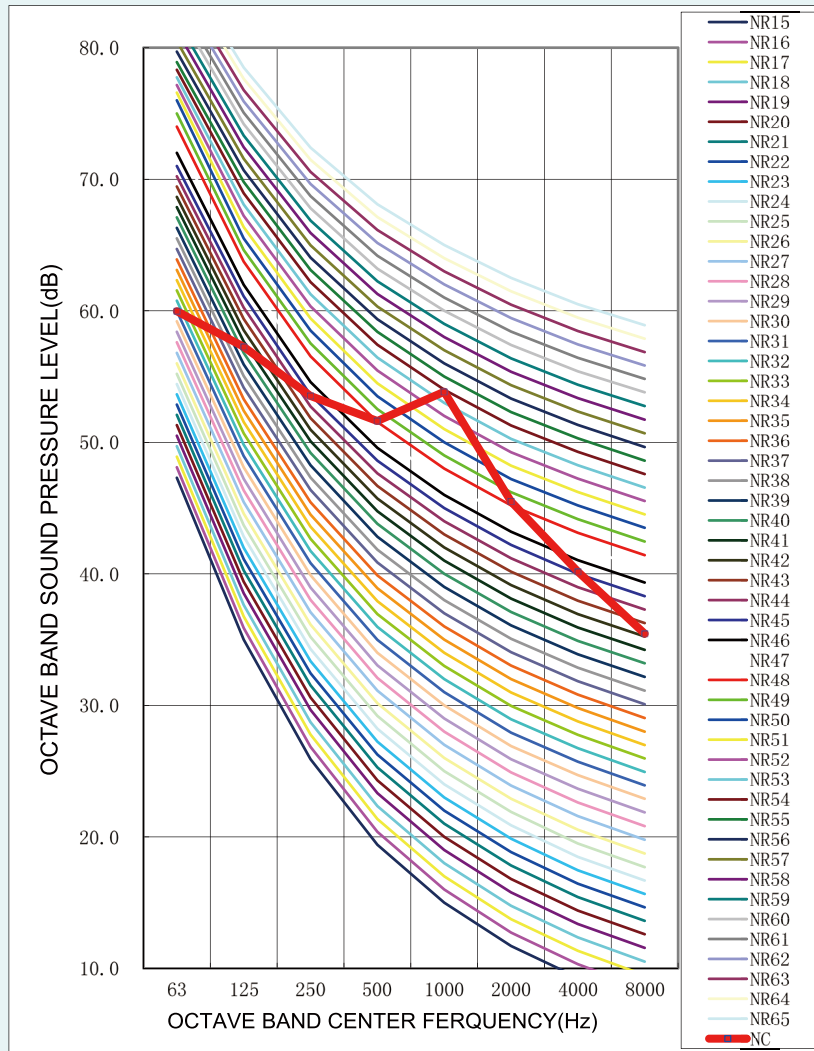
GU50W/A1-K
Cooling



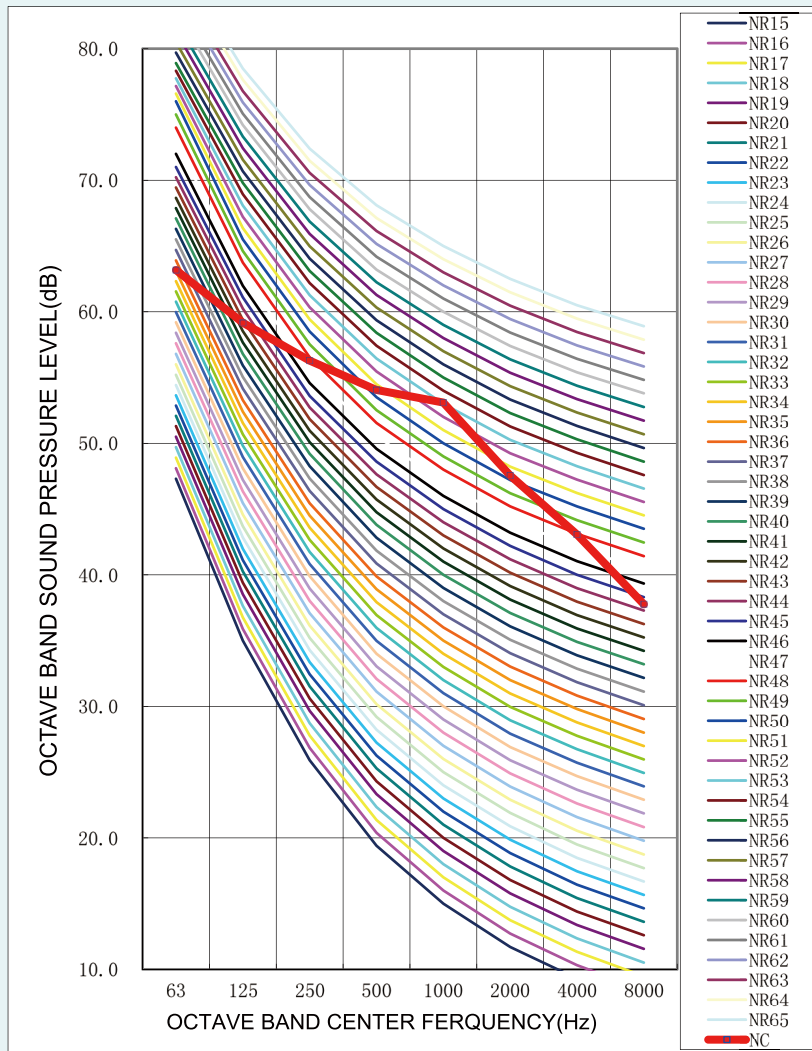
Heating



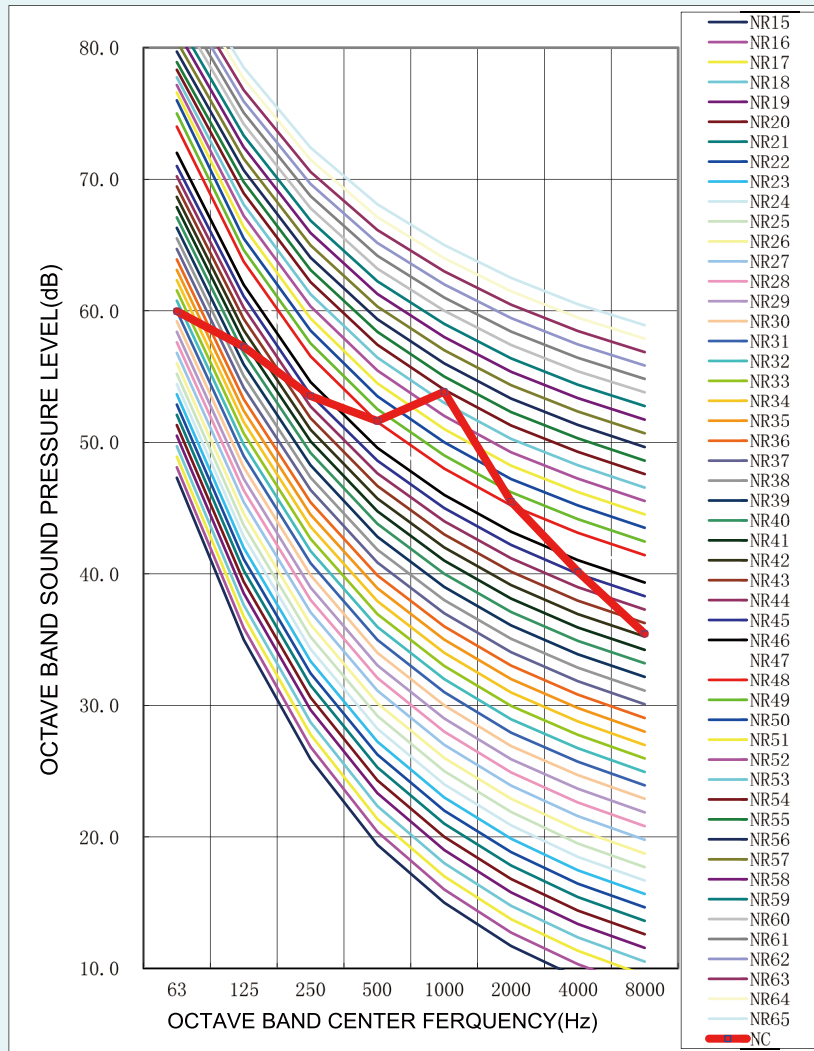
GU71W/A1-K
Cooling



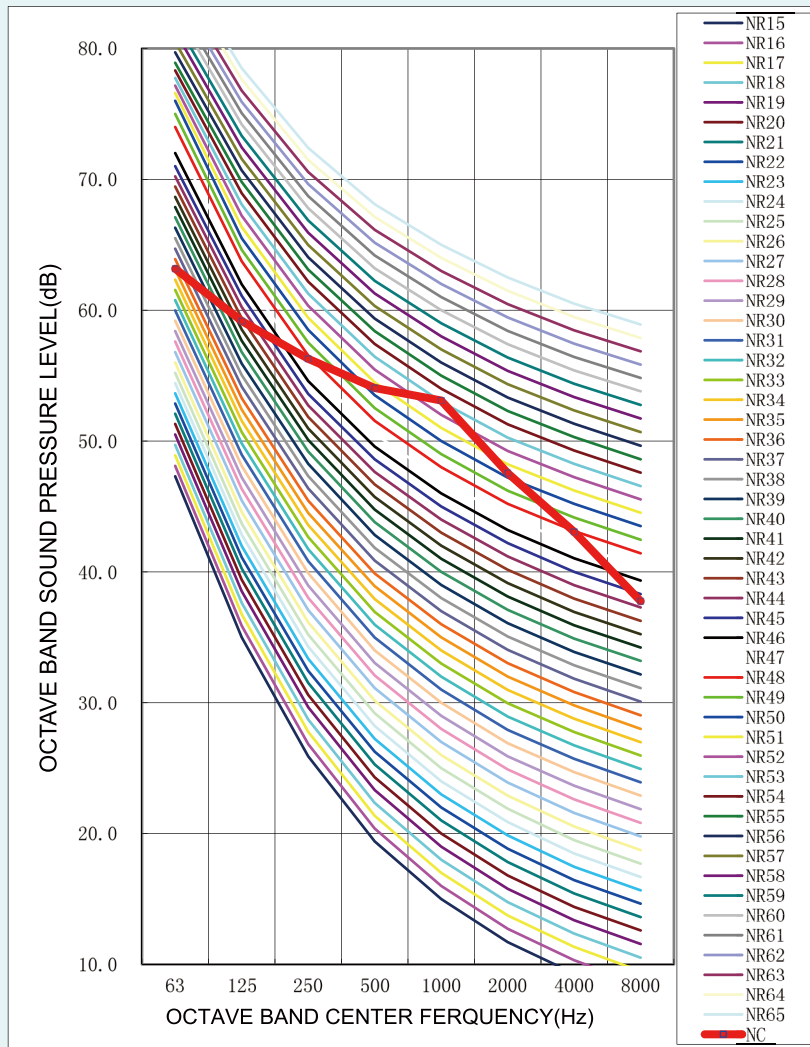
Heating



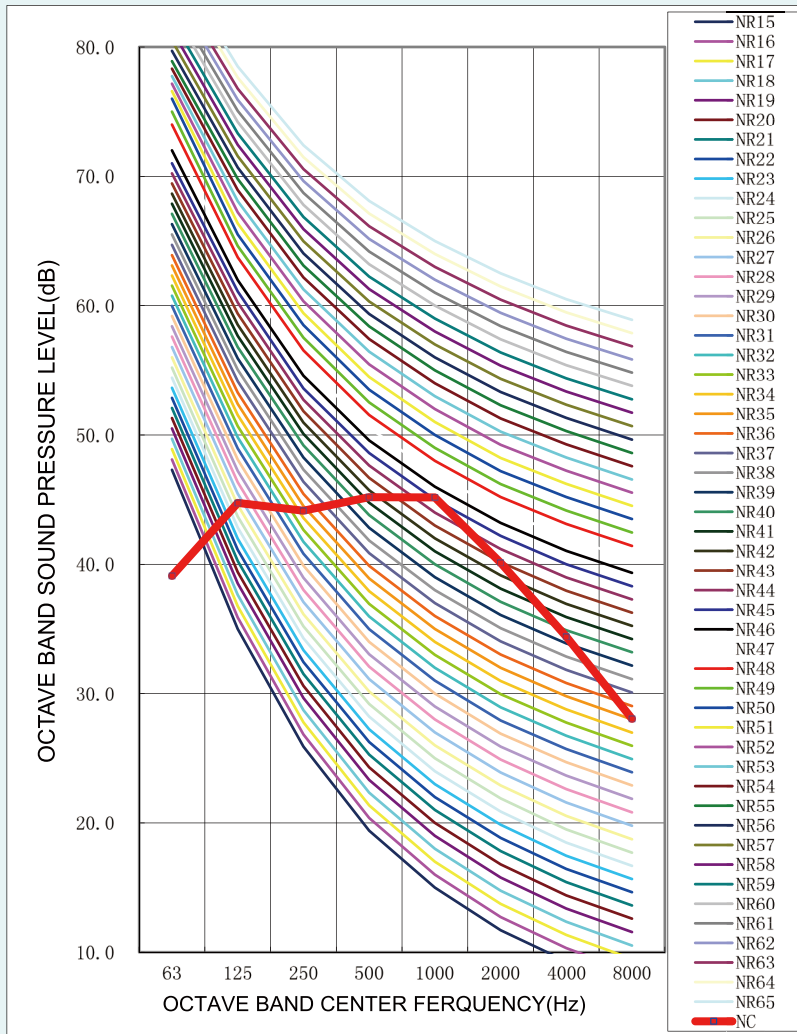
GU85W/A1-K
Cooling



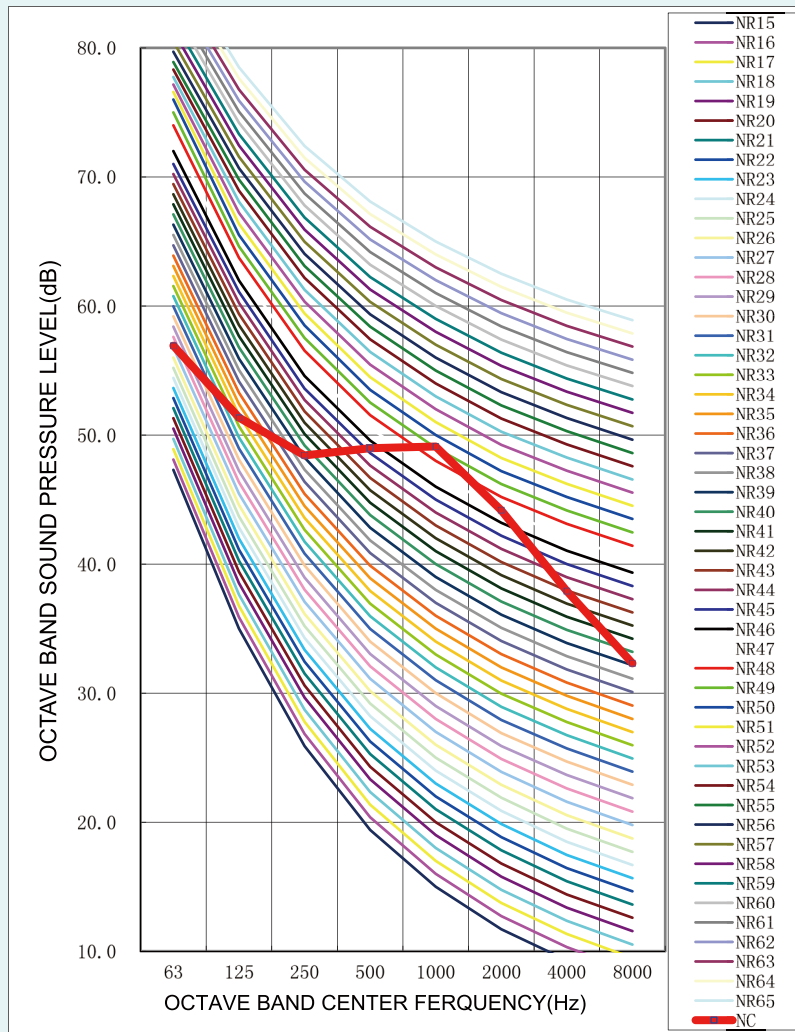
Heating



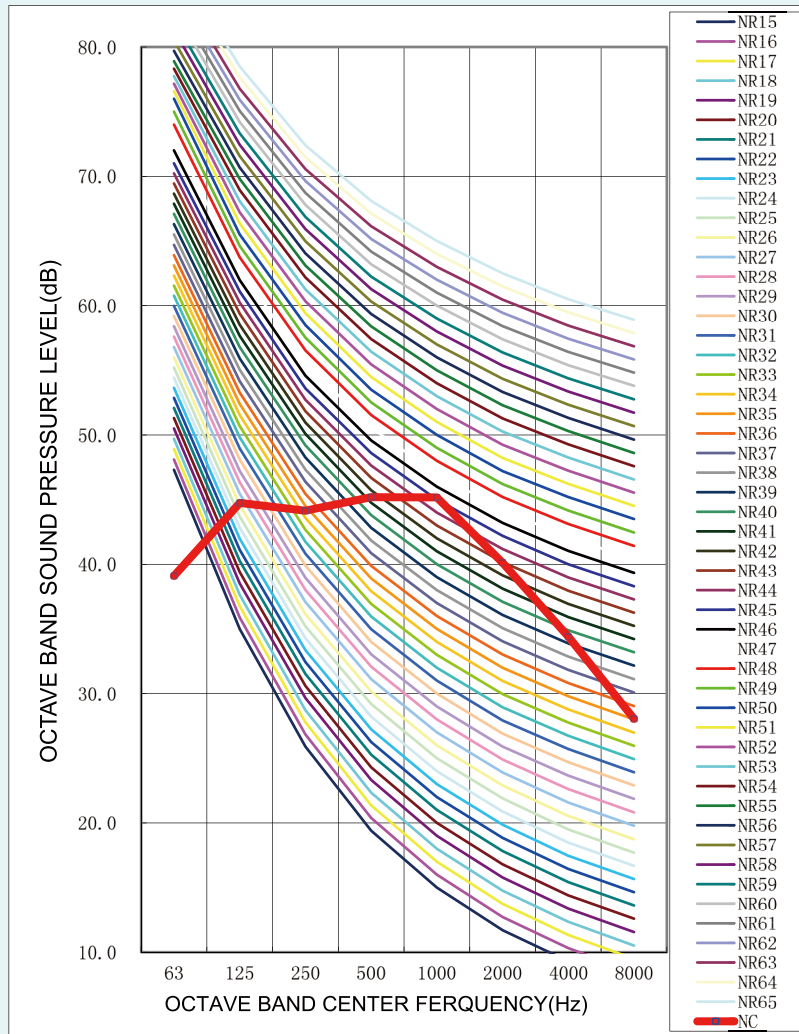
GU100W/A1-M
Cooling



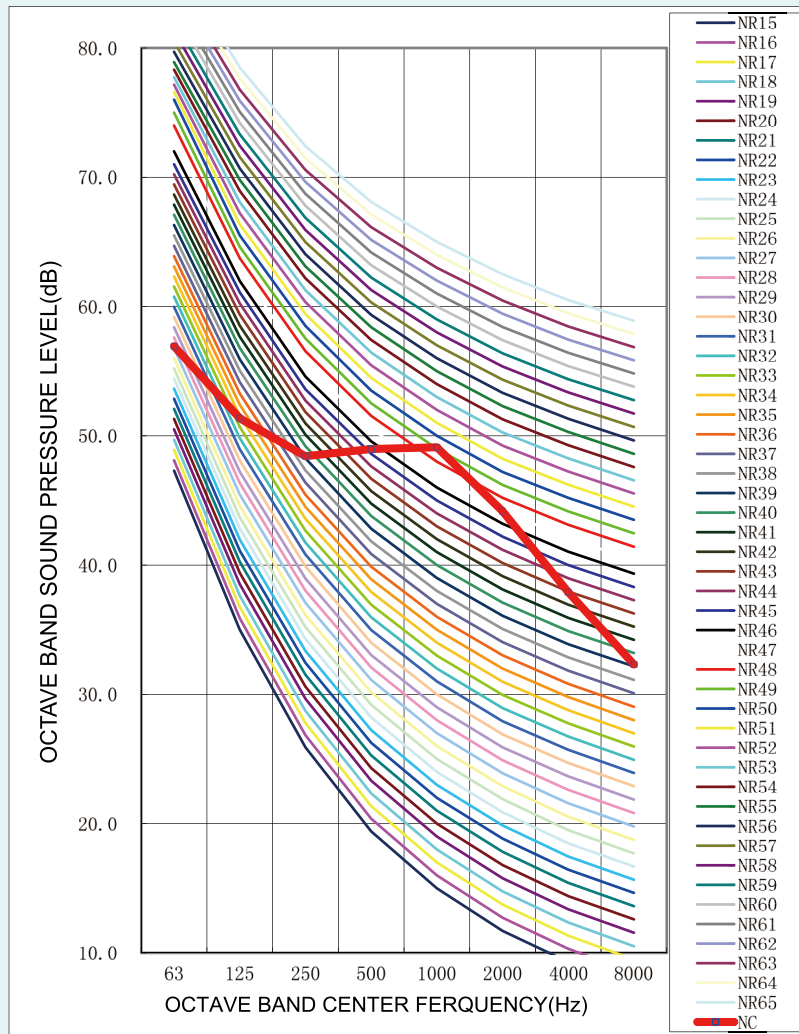
Heating



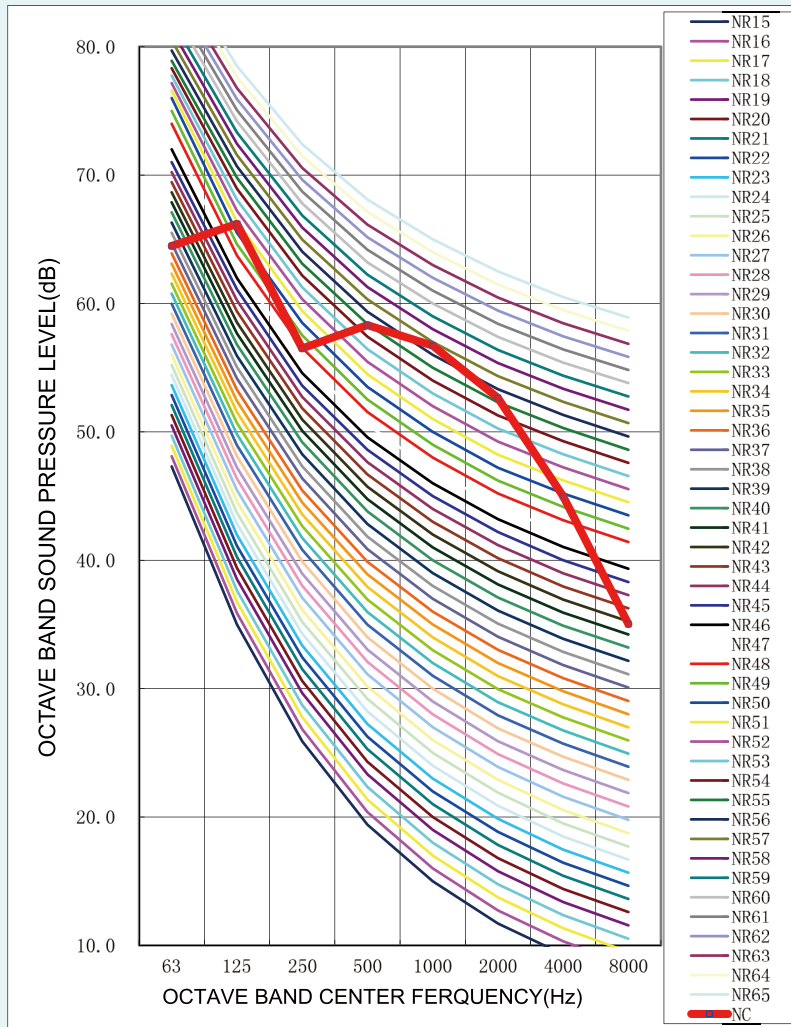
GU125W/A1-M
Cooling



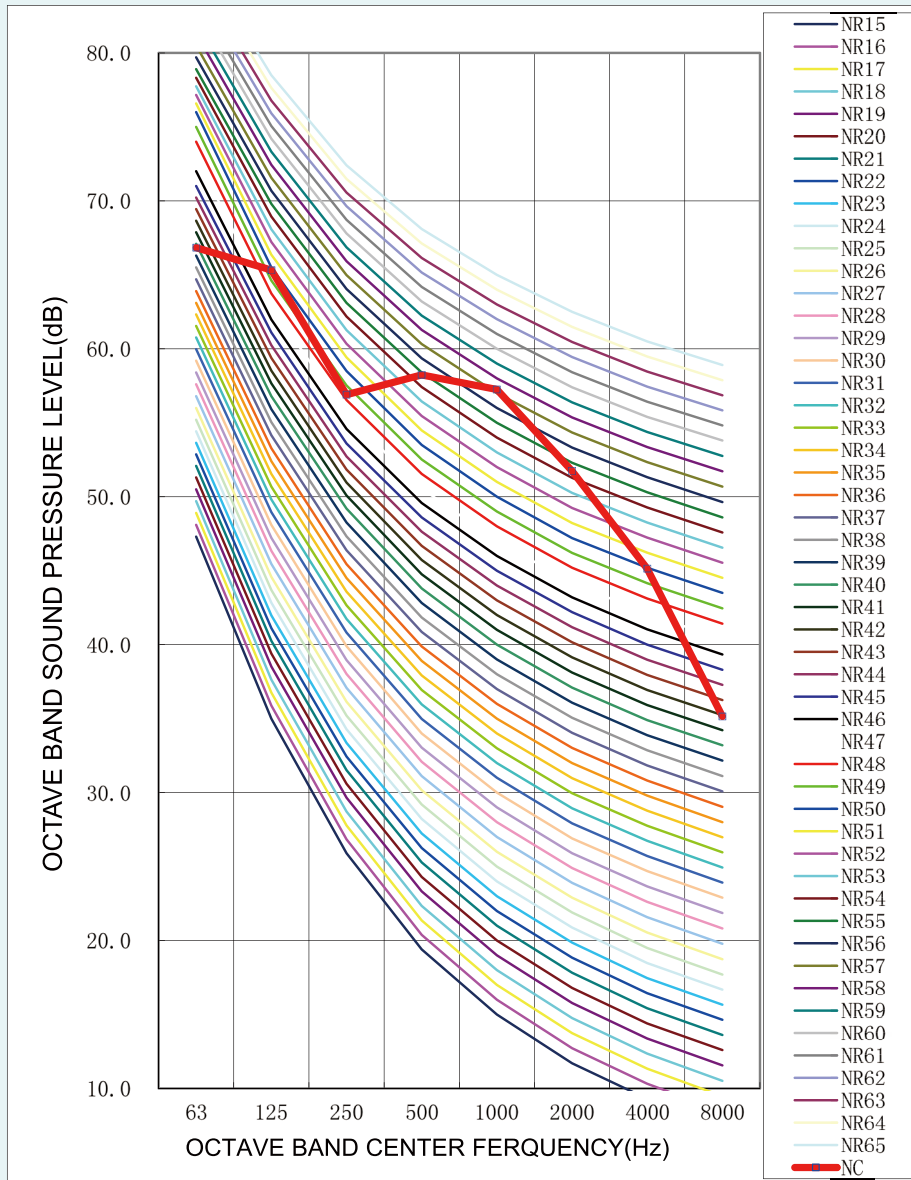
Heating



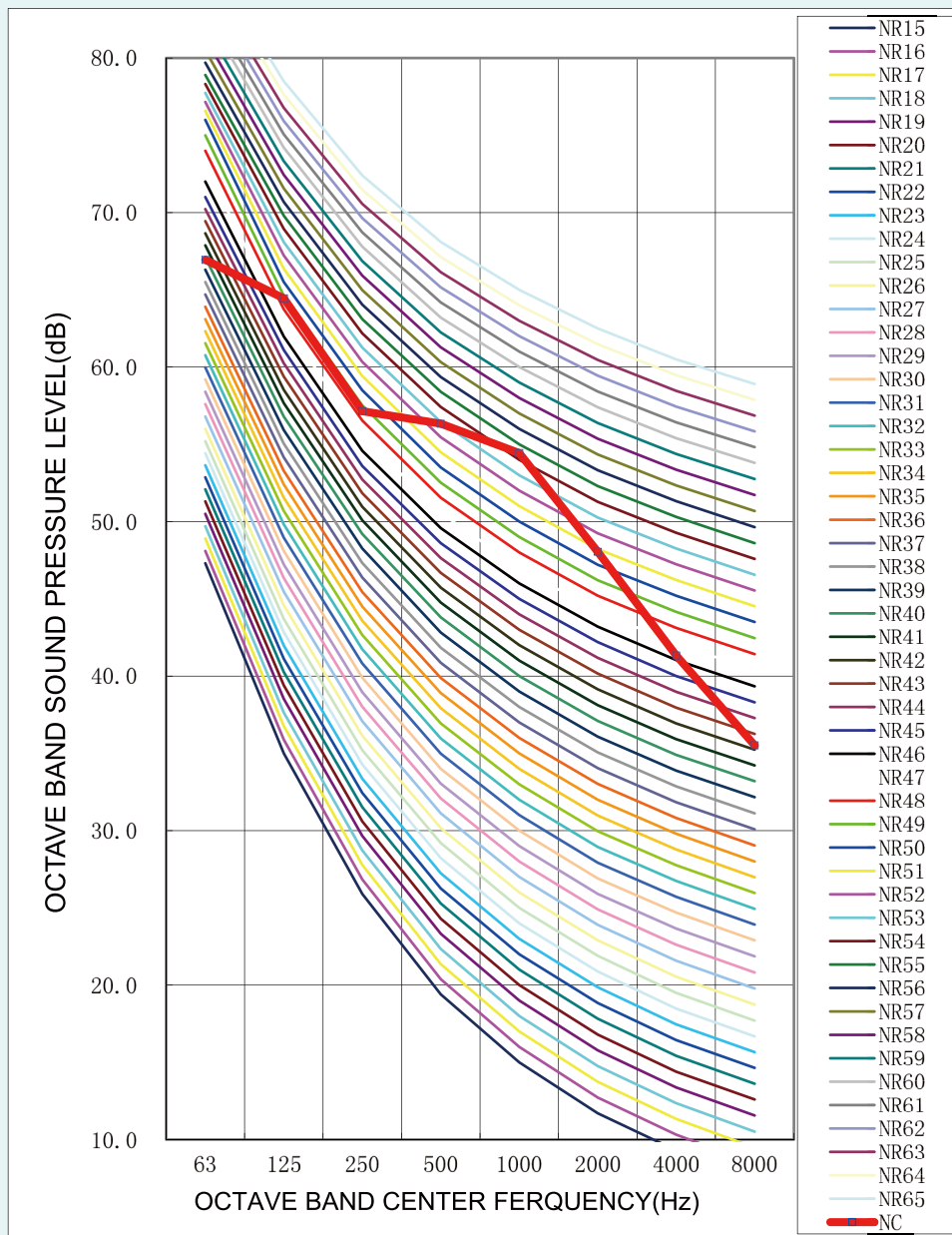
GU140W/A1-M
Cooling



GU160W/A1-M
Cooling



Heating

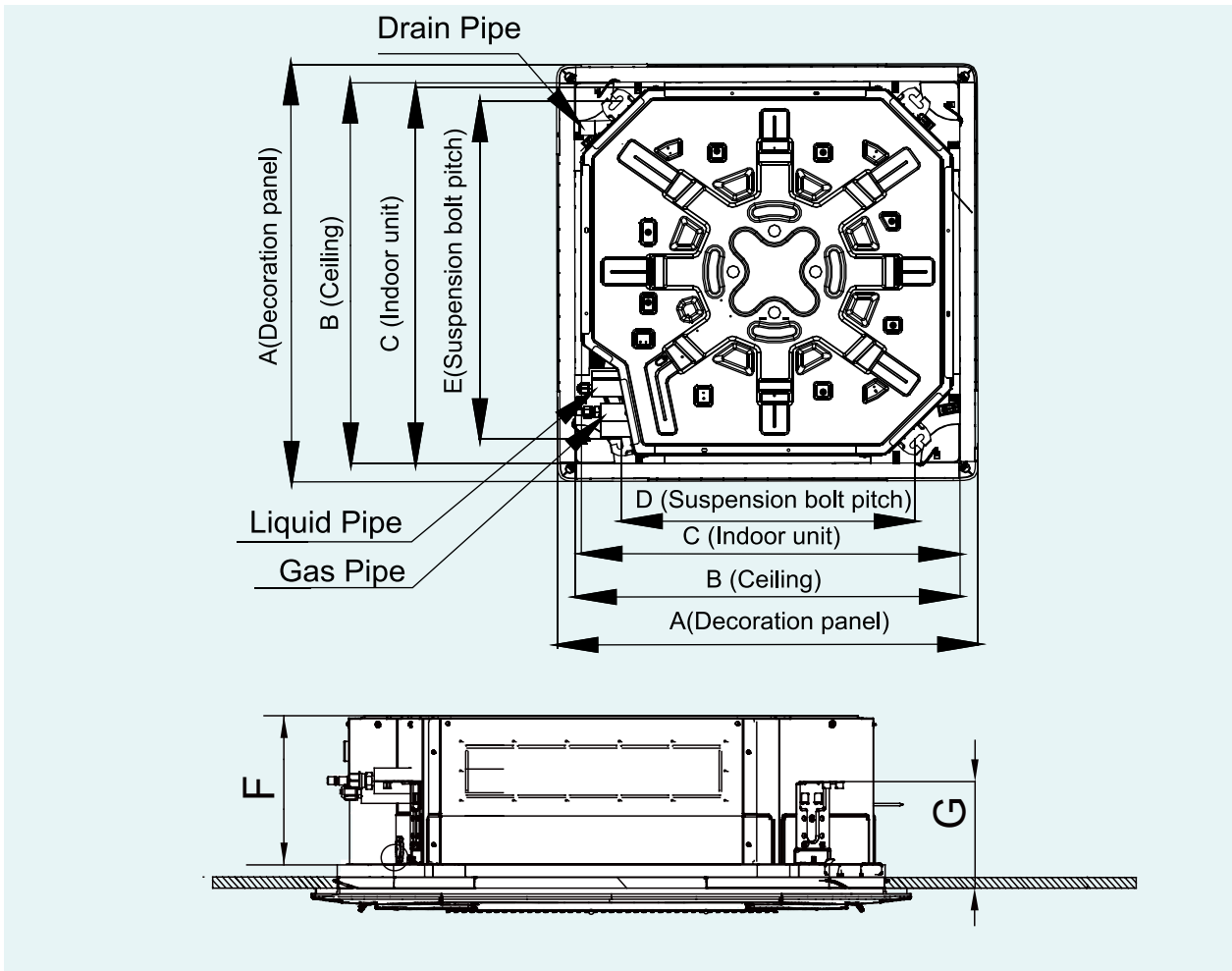


1. Data is valid at field condition.
2. Data is valid at nominal operation condition.
3. dBA =A –weighted sound pressure level (A-scale according to IEC).
4. Noise level curve NR: The International Organization for Standardization (ISO) evaluates the noise level (NR) of the noise spectrum using a single value on the spectrum method (according to ISO 1996).

10 DIMENSIONS AND INSTALLATION SITE

➔ 10.1 Cassette Type

10.1.1 Dimensions



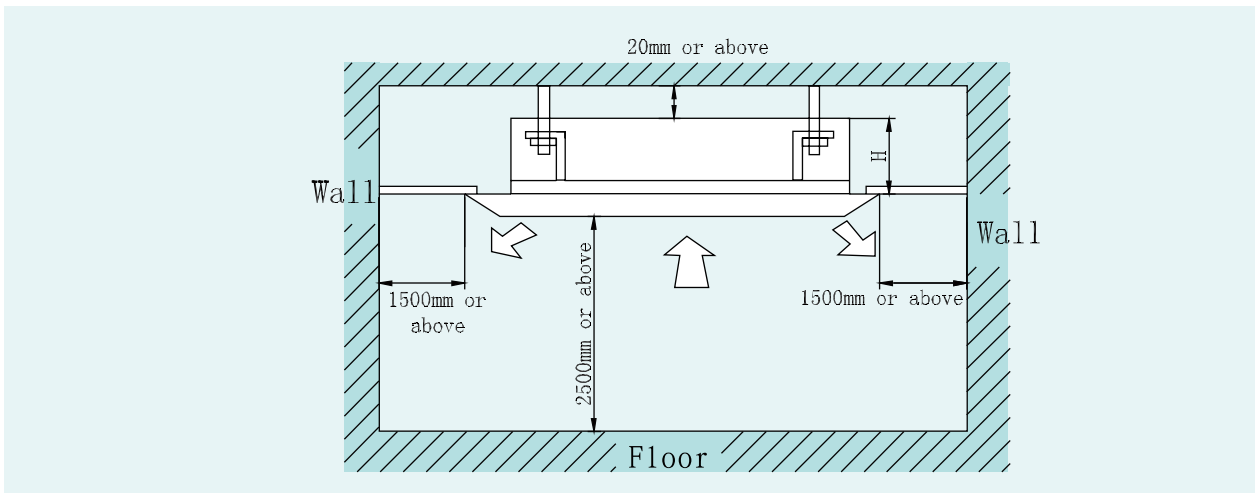
NOTICE

Drilling of ceiling opening and installation of air conditioner must be performed by professionals!

Unit: mm

Model	Dimensions	A	B	C	D	E	F	G
GUD50T/A1-K		620	580	570	520	560	265	170
GU71T/A1-K		950	870	840	660	790	240	165
GU85T/A1-K								
GU100T/A1-K								
GU125T/A1-K								
GU140T/A1-K		950	870	840	660	790	290	165
GU160T/A1-K								

10.1.2 Installation Location

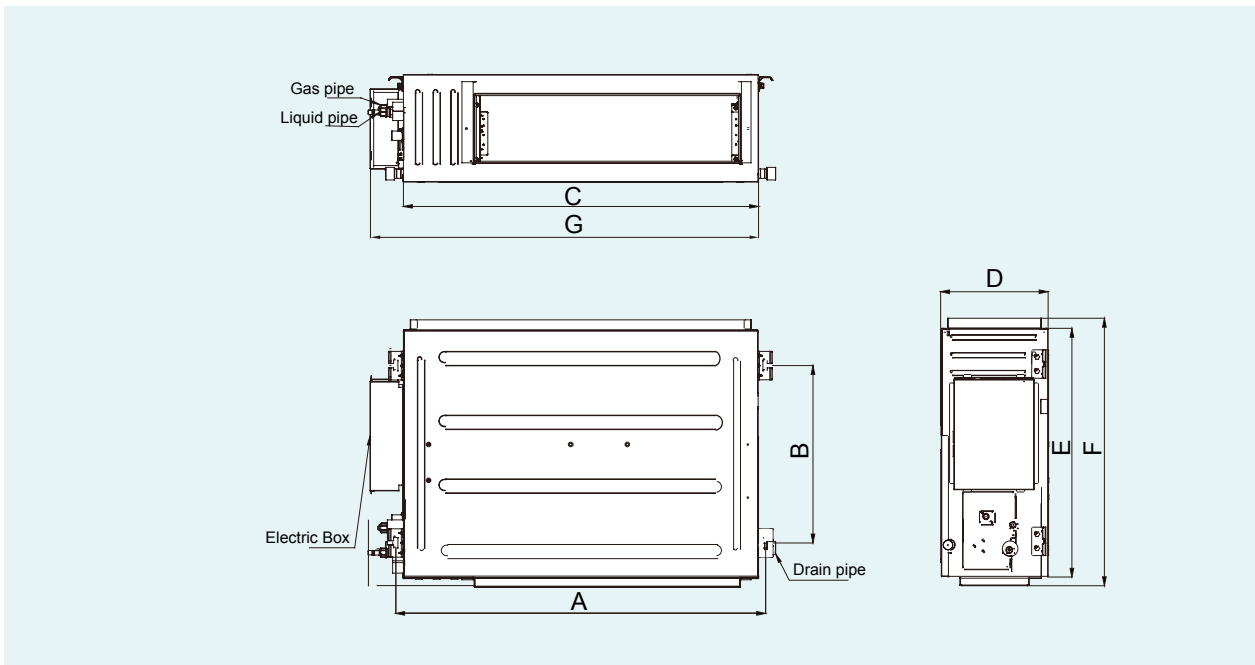


Unit: mm

Model	H(mm)
GUD50T/A1-K	295
GU71T/A1-K	270
GU85T/A1-K	270
GU100T/A1-K	270
GU125T/A1-K	270
GU140T/A1-K	320
GU160T/A1-K	320

➔ 10.2 Duct Type

10.2.1 Dimensions



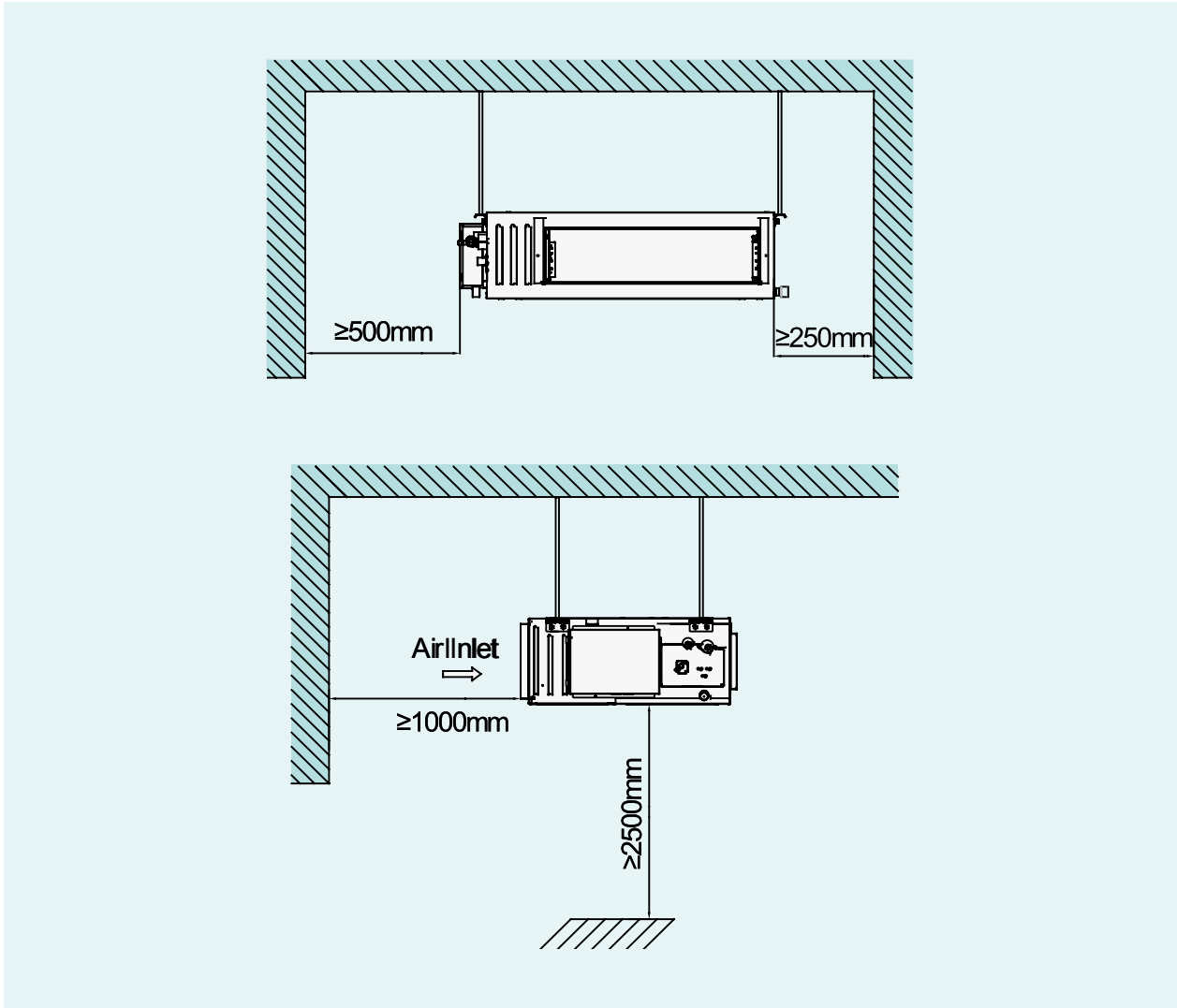
NOTICE

Drilling of ceiling opening and installation of air conditioner must be performed by professionals!

Unit: mm

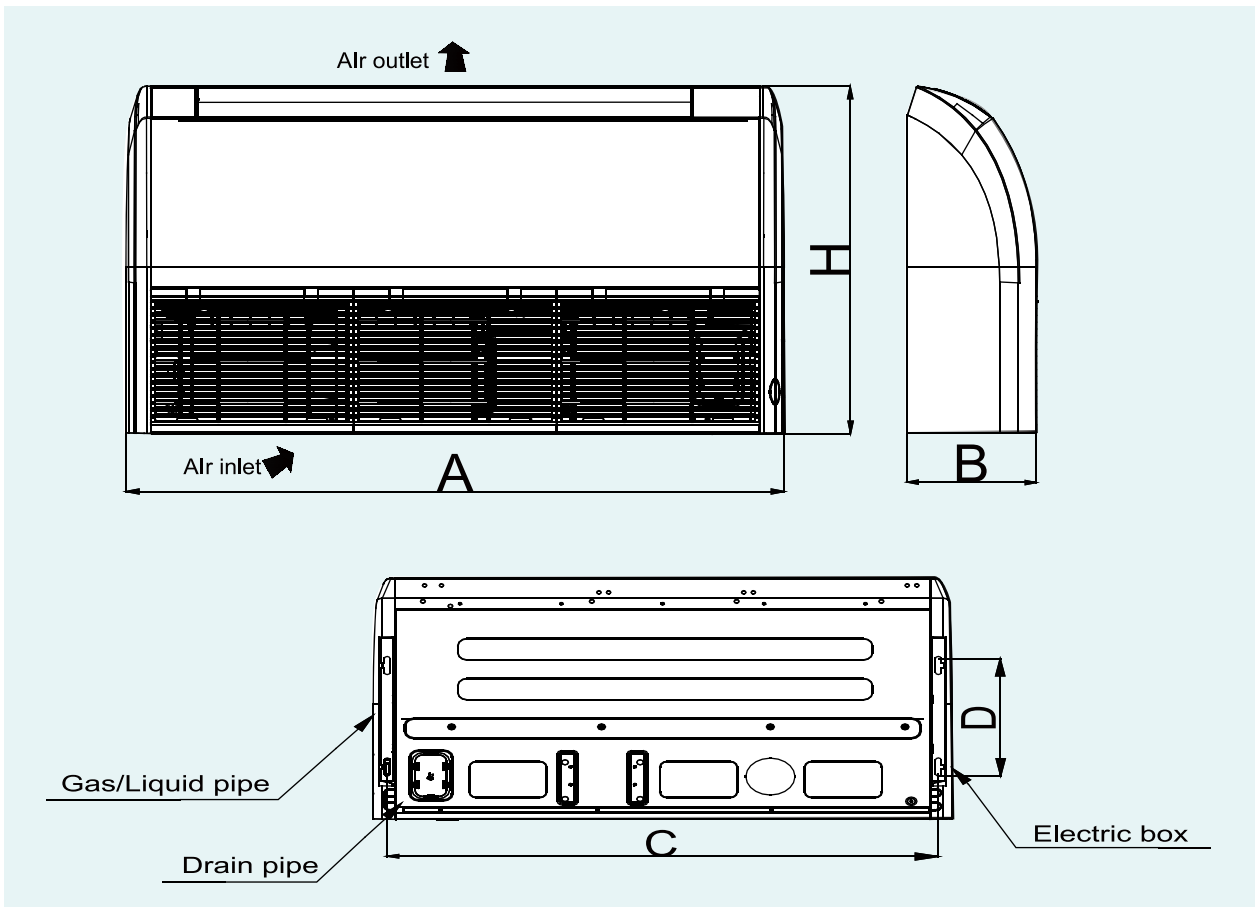
Model	Dimensions	A	B	C	D	E	F	G
GU50P/A1-K		1060	415	1000	200	450	474	1068
GU50PS/A1-K								
GU71P/A1-K		1360	415	1300	220	450	474	1368
GU71PS/A1-K								
GU85P/A1-K								
GU85PS/A1-K		1040	500	1000	300	700	754	1092
GU100PH/A1-K								
GU100PHS/A1-K								
GU125PH/A1-K								
GU125PHS/A1-K		1440	500	1400	300	700	754	1492
GU140PH/A1-K								
GU140PHS/A1-K								
GU160PH/A1-K								
GU160PHS/A1-K								

10.2.2 Installation Location



➔ 10.3 Floor Ceiling Type

10.3.1 Dimensions

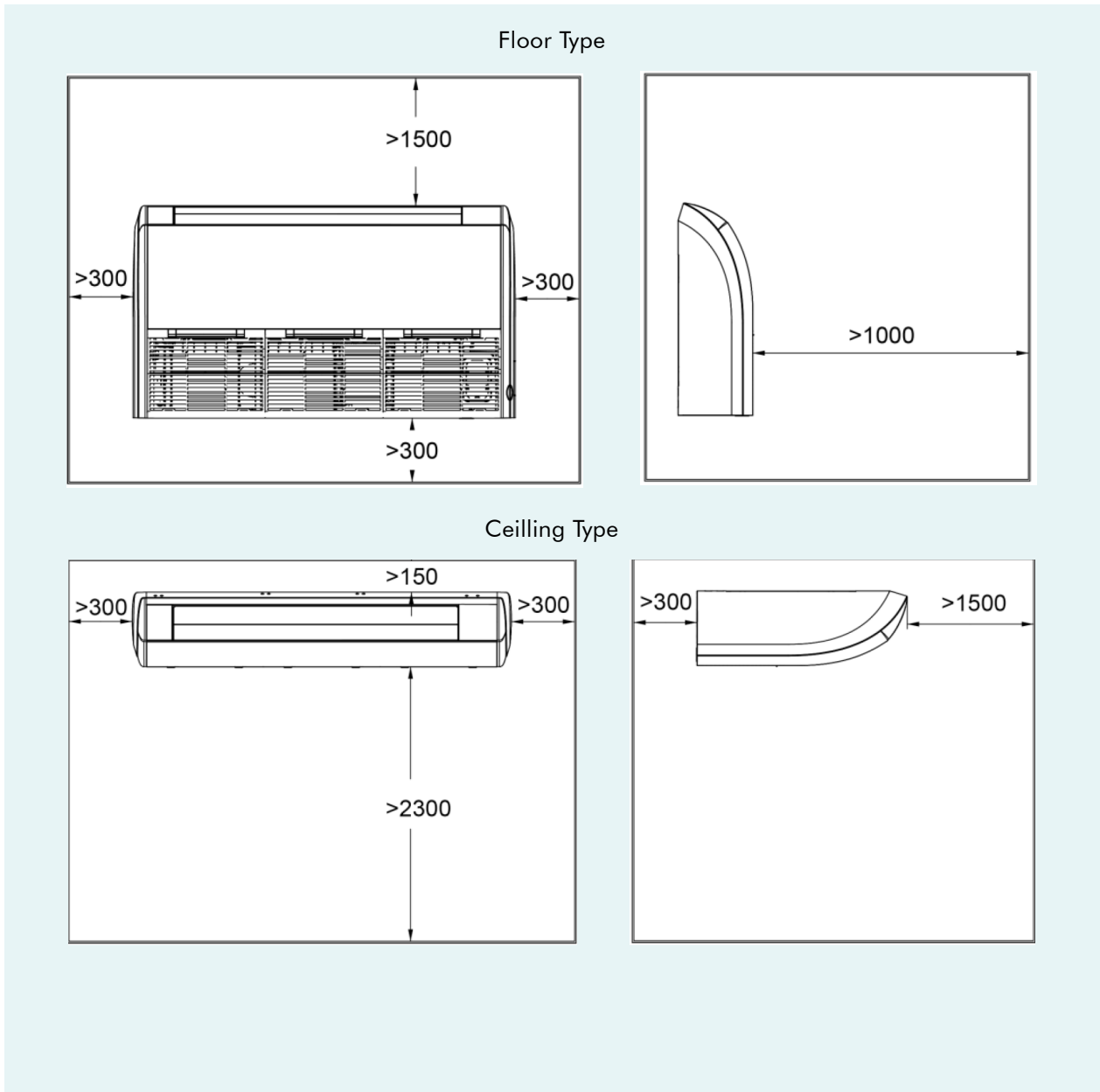


Unit: mm

Model	Dimensions	A	B	C	D	H
GU50ZD/A1-K		870	235	812	318	665
GU71ZD/A1-K		1200	235	1142	318	665
GU85ZD/A1-K						
GU100ZD/A1-K						
GU125ZD/A1-K						
GU140ZD/A1-K		1570	235	1512	318	665
GU160ZD/A1-K						

10.3.2 Installation Location

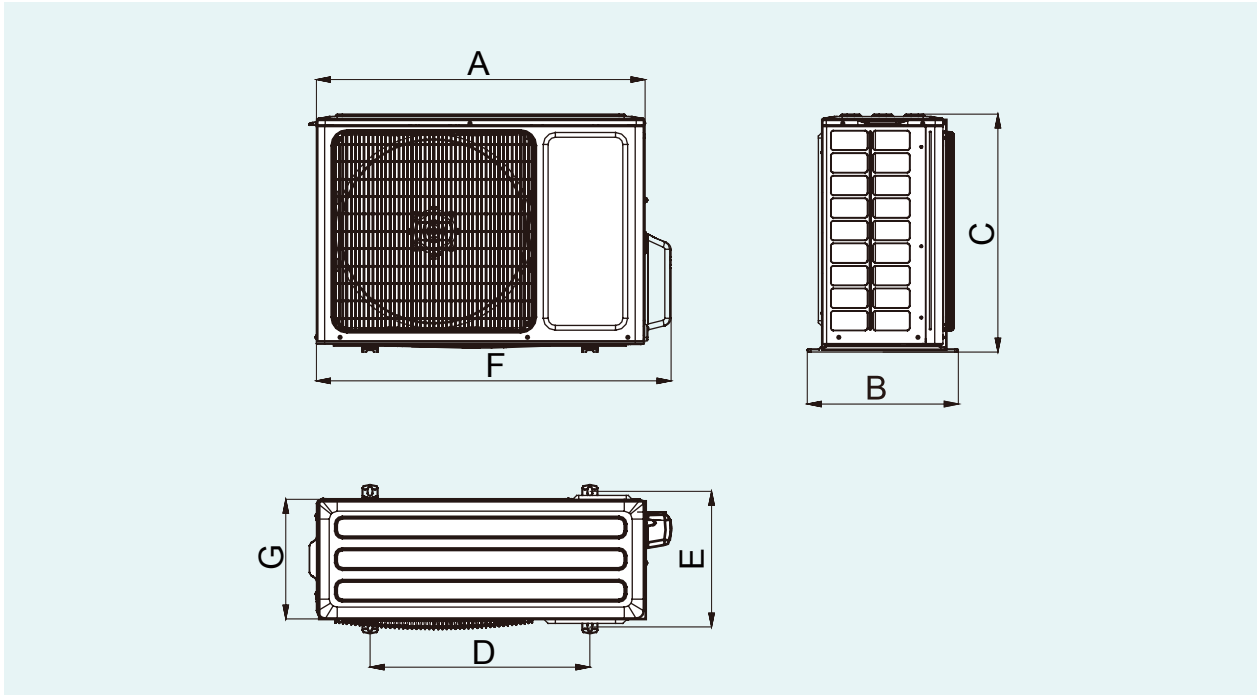
Unit: mm



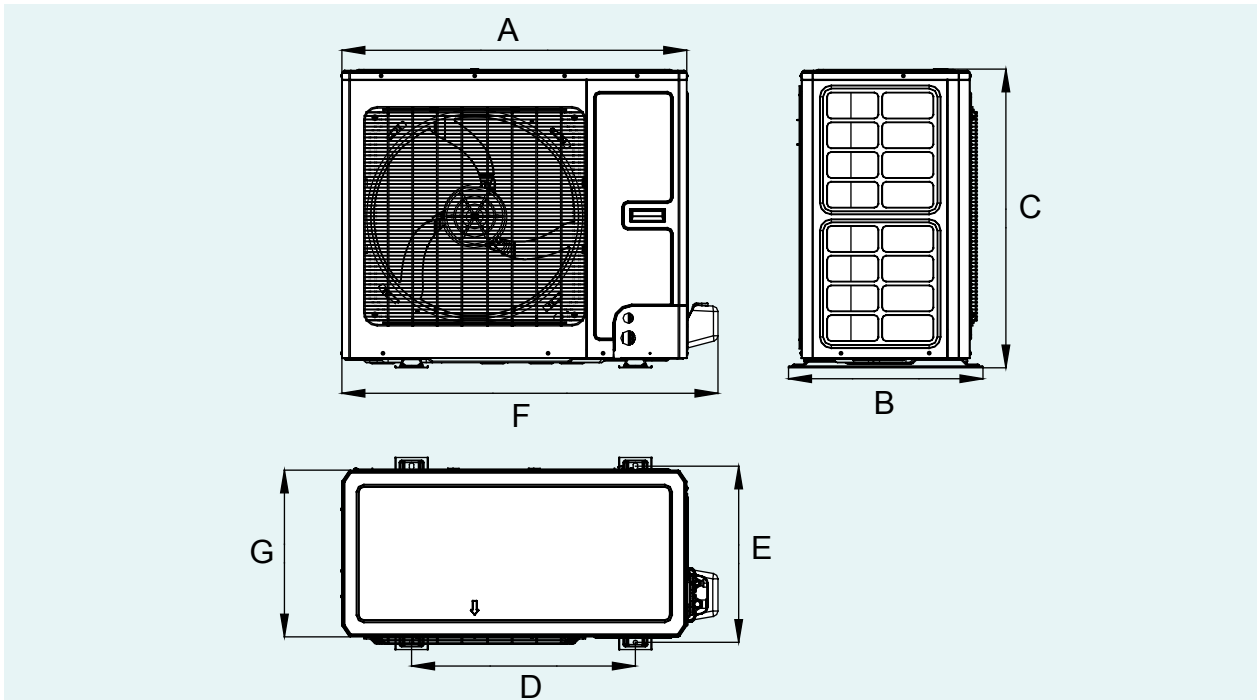
➔ 10.4 Outdoor Unit

10.4.1 Dimensions

GU50W/A1-K, GU71W/A1-K, GU85W/A1-K, GU100W/A1-M



GU125W/A1-M, GU140W/A1-M, GU160W/A1-M



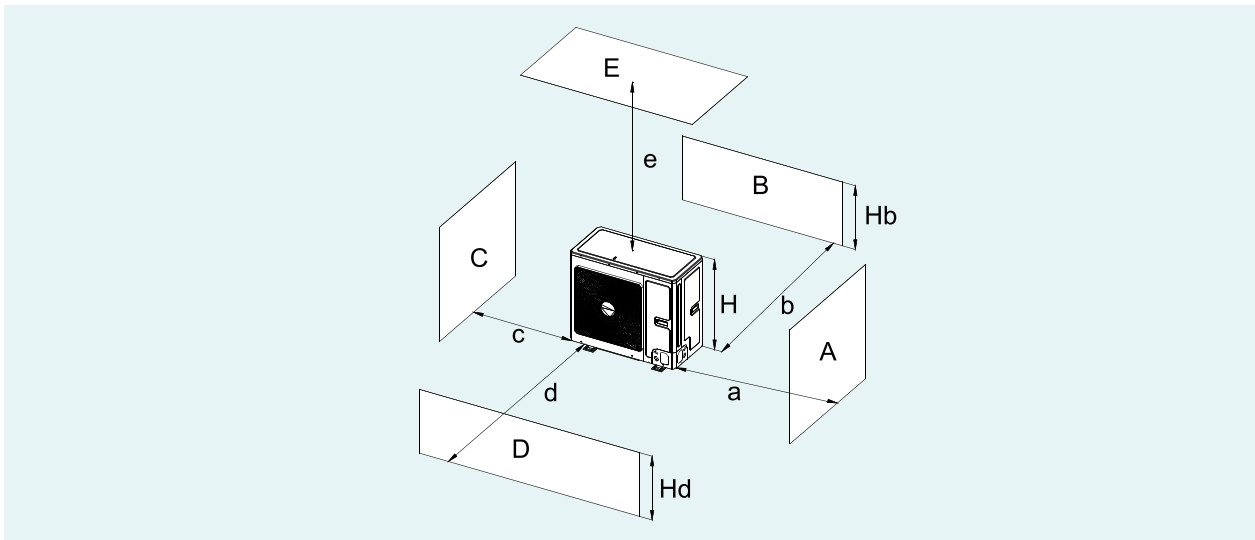
Unit: mm

Model	Dimensions	A	B	C	D	E	F	G
GU50W/A1-K		761	320	548	540	286	825	256
GU71W/A1-K		892	396	698	560	364	957	340
GU85W/A1-K								
GU100W/A1-M		920	427	790	610	395	985	370
GU125W/A1-M		940	530	820	610	486	1010	460
GU140W/A1-M								
GU160W/A1-M								

10.4.2 Installation Location

1). When one Outdoor Unit is to be installed.

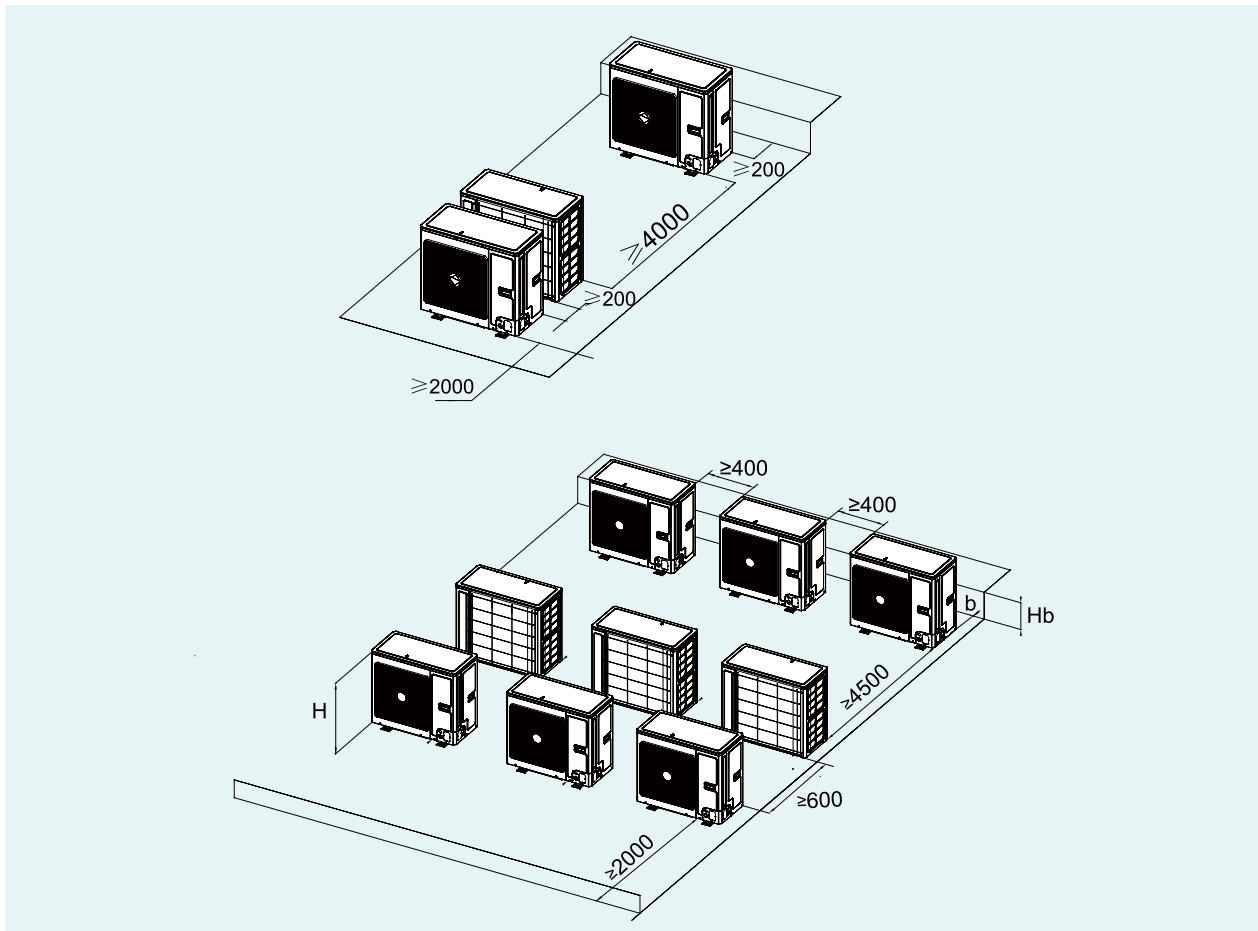
Unit: mm



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

3). When Outdoor Units are installed in rows.

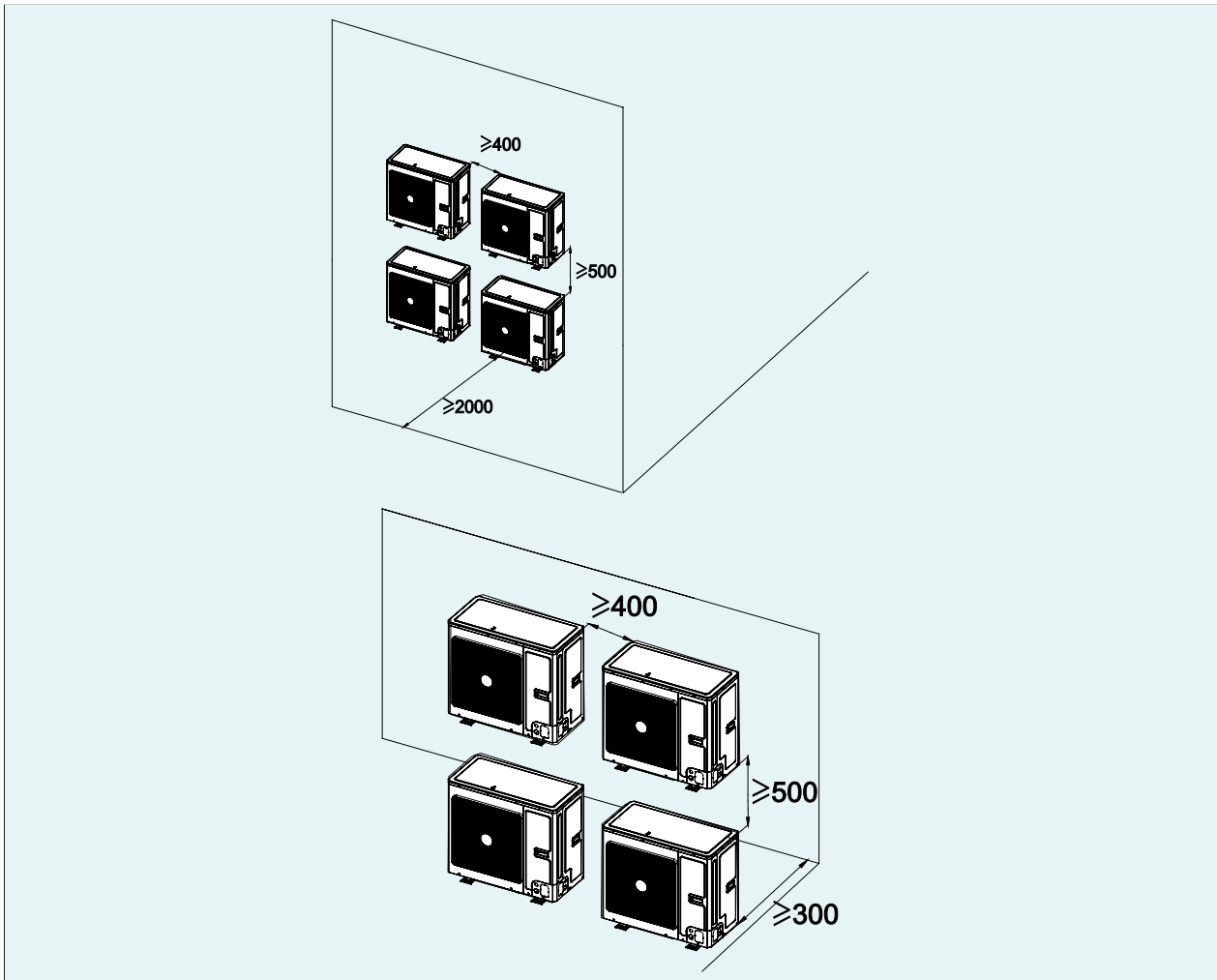
Unit: mm



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

4). When Outdoor Units are installed one above another.

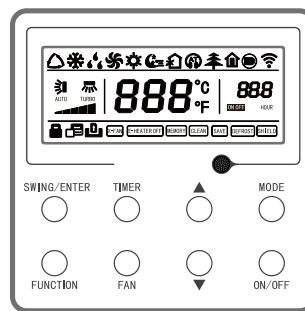
Unit: mm



10.5 Controller



YB1FA



XK117

1 ELECTRICAL INSTALLATION

11.1 Electrical Parameters

Model	Power Supply	Circuit Breaker Capacity	Min. Sectional Area of Power Cord
	V/Ph/Hz	A	mm ²
GU50W/A1-K	220-240V ~50Hz	16	1.5
GU71W/A1-K	220-240V ~50Hz	20	2.5
GU85W/A1-K	220-240V ~50Hz	20	2.5
GU100W/A1-M	380-415V 3N~50Hz	16	1.5
GU125W/A1-M	380-415V 3N~50Hz	16	1.5
GU140W/A1-M	380-415V 3N~50Hz	16	1.5
GU160W/A1-M	380-415V 3N~50Hz	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 ~50Hz	3.15	6	1.0

Notes:

1. Fuse is located on the main board.
2. 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.
3. Circuit breaker and Power Cord specifications listed in the above table are determined based on the maximum power input of the units.
4. 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.
5. Specifications of circuit breaker are based on a working condition where the working temperature is 40°C. If working condition changes, please adjust the specifications according to national standards.
6. Adopt 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. To be in compliance IOS5151, it is necessary to use 8 meters long wire.
7. 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. To be in compliance IOS5151, it is necessary to use 8 meters long wire.
8. The wire gauge of communication cord should not be less than 0.75mm². It's recommended to use 0.75mm² Power Cords as the communication cords.
9. Calculation of the maximum permissible system impedance:
 - a) The following evaluation procedure shall be applied if the equipment emissions cannot meet the technical requirements of IEC 61000-3-3 and therefore the equipment cannot be declared compliant by the manufacturer in accordance with 6.2.1. In such a case the equipment shall only be connected to a supply having a system impedance lower than Zref.

b) To be in compliance with EN 61000-3-11, impedance value of power-supply system connected to product must be less than or equal to the allowable maximum value of $|Z_{sys}|$ in the following sheet:

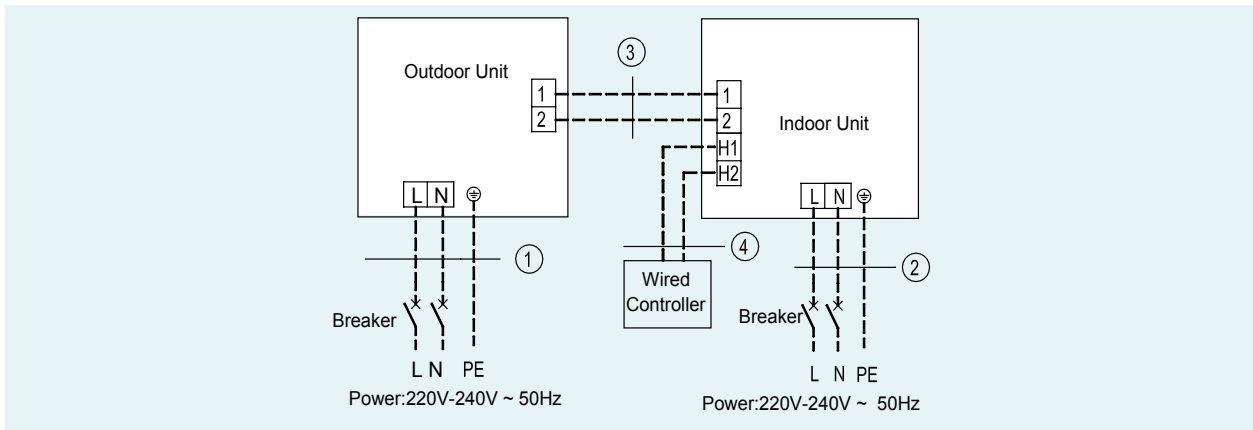
Models	Max $ Z_{sys} $ Unit:ohms
GU50W/A1-K	0.170
GU71W/A1-K	0.090
GU85W/A1-K	0.071
GU100W/A1-M	0.416
GU125W/A1-M	0.142
GU140W/A1-M	0.173
GU160W/A1-M	0.193

c) Before connecting the product to public power network, please consult your local power supply authority to ensure that the power network has met the above requirements.No requirement for the unlisted product's impedance value of power-supply system.

➔ 11.2 Wiring Diagram

11.2.1 Cassette Type

GUD50T/A1-K, GU71T/A1-K, GU85T/A1-K



GUD50T/A1-K+GU50W/A1-K

1. Power Cord $3 \times 1.5\text{mm}^2$

2. Power Cord $3 \times 1.0\text{mm}^2$

3. Communication Cords $2 \times 0.75\text{mm}^2$

4. Communication Cords $2 \times 0.75\text{mm}^2$

GU71T/A1-K+GU71W/A1-K

GU85T/A1-K +GU85W/A1-K

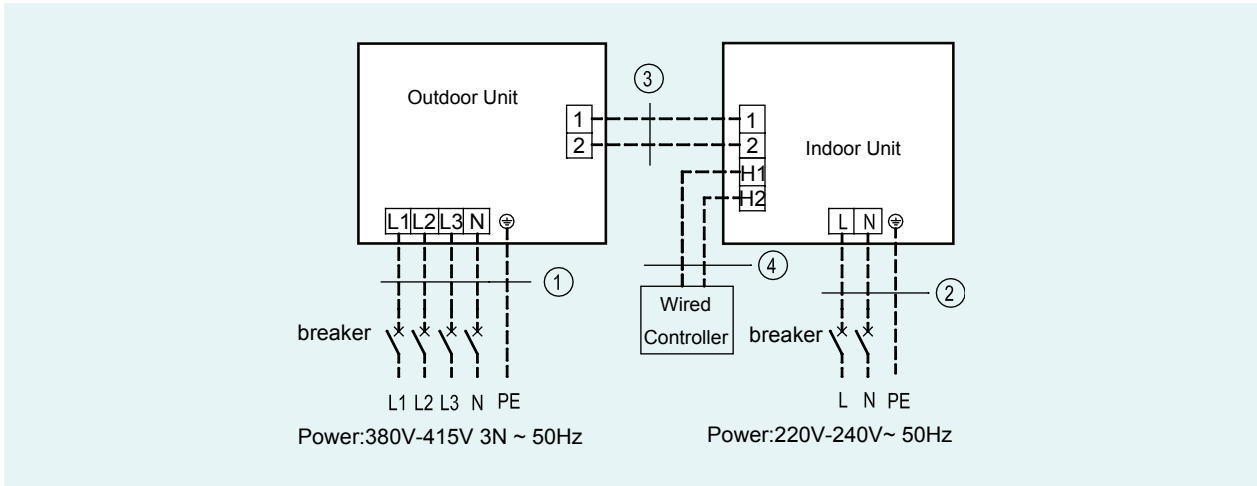
1. Power Cord $3 \times 2.5\text{mm}^2$

2. Power Cord $3 \times 1.0\text{mm}^2$

3. Communication Cords $2 \times 0.75\text{mm}^2$

4. Communication Cords $2 \times 0.75\text{mm}^2$

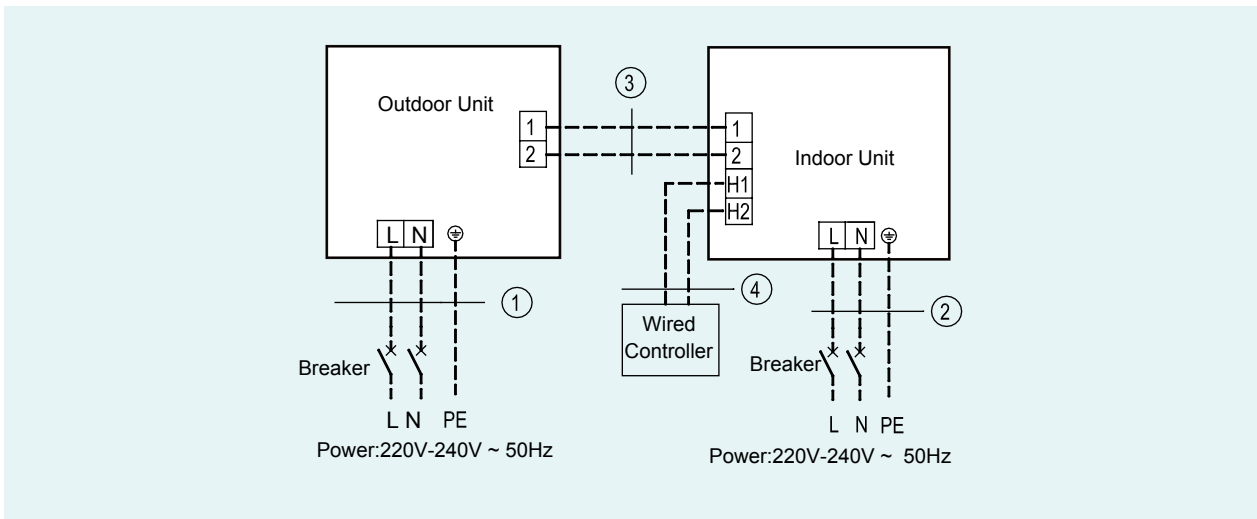
GU100T/A1-K, GU125T/A1-K, GU140T/A1-K, GU160T/A1-K



GU100T/A1-K+GU100W/A1-M
GU125T/A1-K+GU125W/A1-M
GU140T/A1-K+GU140W/A1-M
GU160T/A1-K+GU160W/A1-M
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

GU50P/A1-K ,GU50PS/A1-K, GU71P/A1-K, GU71PS/A1-K, GU85P/A1-K ,GU85PS/A1-K



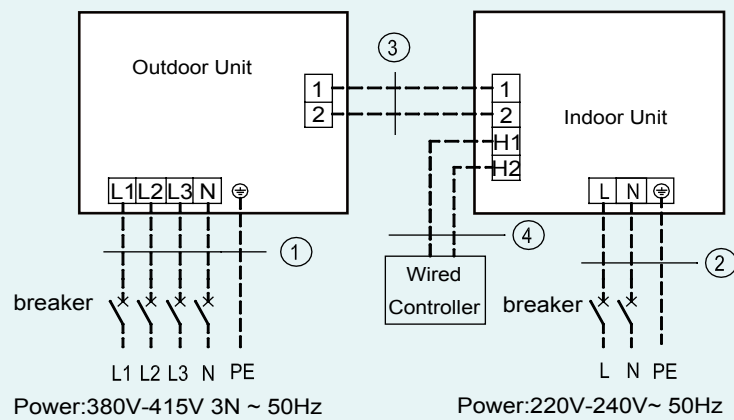
GU50P/A1-K;GU50PS/A1-K+GU50W/A1-K

1. Power Cord $3 \times 1.5\text{mm}^2$
2. Power Cord $3 \times 1.0\text{mm}^2$
3. Communication Cords $2 \times 0.75\text{mm}^2$
4. Communication Cords $2 \times 0.75\text{mm}^2$

GU71P/A1-K;GU71PS/A1-K+GU71W/A1-K
GU85P/A1-K;GU85PS/A1-K+GU85W/A1-K

1. Power Cord $3 \times 2.5\text{mm}^2$
2. Power Cord $3 \times 1.0\text{mm}^2$
3. Communication Cords $2 \times 0.75\text{mm}^2$
4. Communication Cords $2 \times 0.75\text{mm}^2$

GU100PH/A1-K, GU100PHS/A1-K, GU125PH/A1-K, GU125PHS/A1-K,
GU140PH/A1-K, GU140PHS/A1-K, GU160PH/A1-K, GU160PHS/A1-K,



GU100PH/A1-K;GU100PHS/A1-K+GU100W/A1-M

GU125PH/A1-K;GU125PHS/A1-K+GU125W/A1-M

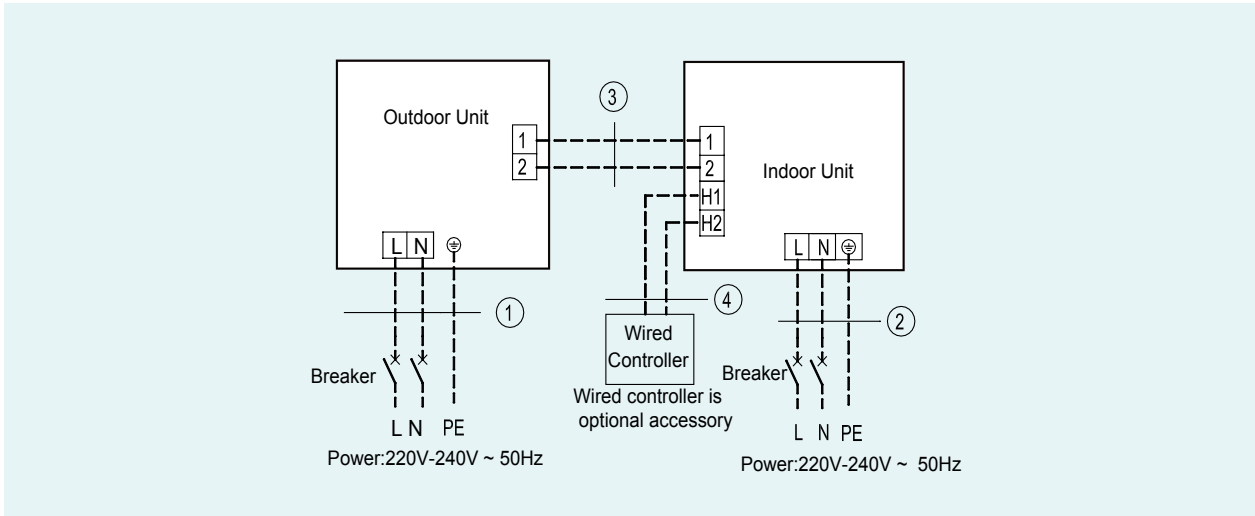
GU140PH/A1-K;GU140PHS/A1-K+GU140W/A1-M

GU160PH/A1-K;GU160PHS/A1-K+GU160W/A1-M

1. Power Cord $5 \times 1.5\text{mm}^2$
2. Power Cord $3 \times 1.0\text{mm}^2$
3. Communication Cords $2 \times 0.75\text{mm}^2$
4. Communication Cords $2 \times 0.75\text{mm}^2$

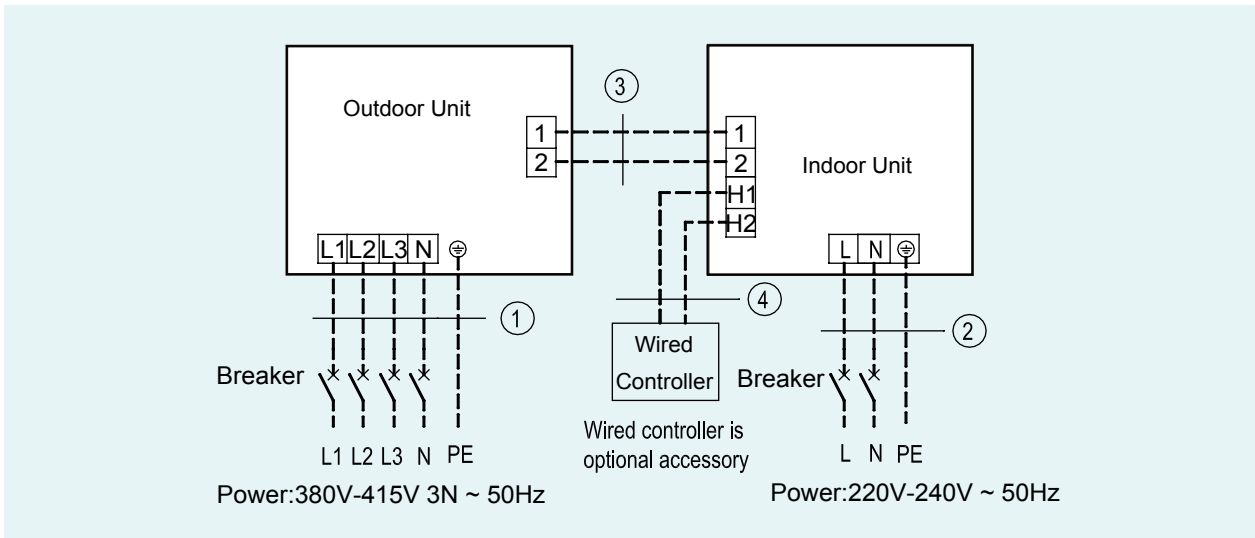
11.2.3 Floor Ceiling Type

GU50ZD/A1-K, GU71ZD/A1-K, GU85ZD/A1-K



GU50ZD/A1-K+GU50W/A1-K
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
GU71ZD/A1-K+GU71W/A1-K
GU85ZD/A1-K+GU85W/A1-K
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

GU100ZD/A1-K, GU125ZD/A1-K, GU140ZD/A1-K, GU160ZD/A1-K



GU100ZD/A1-K +GU100W/A1-M
GU125ZD/A1-K +GU125W/A1-M
GU140ZD/A1-K +GU140W/A1-M
GU160ZD/A1-K +GU160W/A1-M
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

12 LIST OF STANDARD AND OPTIONAL PARTS

	Cassette Type	Duct Type	Floor Ceiling Type
Wired Controller XK117 Product Code: MC20700730	○	●	○
Remote Controller YB1FA Product Code: 30510516	●	○	●
Remote Controller YT1F5F Product Code: 30510623	○	○	○
WiFi Module(G-Cloud) Product Code: MC20002050	○	○	○
Centralized Controller (Up To 36 Indoor Unit) CE52-24/F(C) Product Code: MC207052	○	○	○
Modbus Gateway ME50-00/EG(M) Product Code: NC20000010	○	○	○
Dry Contact 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	○	○	○

Note: ● means standard, ○ means optional.

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



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

SJ00509421