Technical Sales Guide

Multi Variable Air Conditioners Indoor Unit

(GC202603-I)

Rated Frequency: 50/60Hz

Capacity Range: 1.5~14kW

Refrigerant Type: R32



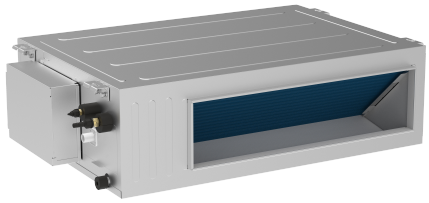
GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI

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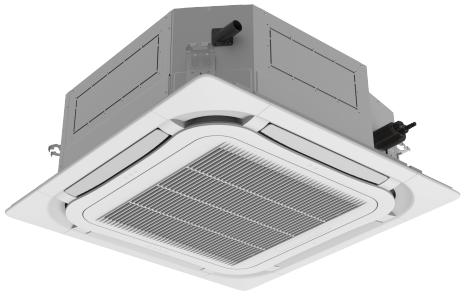
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1. Product Characteristic

1.1 High Static Pressure Duct Indoor Unit

Features	Characteristic
	◆ Environmentally friendly refrigerant Adopting a stable and reliable refrigerant detection sensor greatly ensures the safety of using refrigerant R32. ◆ High static pressure design Static pressure can be up to 200Pa, especially suitable for places in need of long distance airflow. ◆ Convenient installation You can choose circular air duct or rectangular air duct according to actual needs. Or you can choose different ways of air return. ◆ Easy maintenance The system has maintenance port for easy maintenance. ◆ Protection function Anti-freezing protection, fan motor overload protection, temperature sensor malfunction protection.

1.2 360° Air Discharge Cassette Indoor Unit

Features	Characteristic
	◆ Environmentally friendly refrigerant Adopting a stable and reliable refrigerant detection sensor greatly ensures the safety of using refrigerant R32. ◆ 360° Air Supply. 360°air supply design for wide air supply range and balanced temperature distribution, more comfortable. ◆ Independent Swing Control. 4 swing blades can be controlled independently; multiple air supply angle combinations is available for free and humanized control, avoiding direct air blow to people. ◆ Ultra-low noise operation. DC inverter motor can realize stepless speed regulation to lower noise. Indoor unit can be set to work under auto quiet mode via wired controller. ◆ DC Quiet Drainage Pump Water height difference up to 1.2m, which can effectively drain out condensing water and save space. Adopting high-lift DC quiet type drainage pump for lower power consumption and better sound quality; the maximum lifting height is 1200mm; installation is more flexible and the drainage pipe layout is more convenient.

1.3 360°Air Discharge Compact Cassette Indoor Unit

Features	Characteristic
	◆ Environmentally friendly refrigerant Adopting a stable and reliable refrigerant detection sensor greatly ensures the safety of using refrigerant R32. ◆ 360° Air Supply 360°air supply design for wide air supply range and balanced temperature distribution, more comfortable. ◆ Independent Swing Control 4 swing blades can be controlled independently；multiple air supply angle combinations is available for free and humanized control, avoiding direct air blow to people. ◆ New Air Duct and Blade Design for Low Noise Adopt new air duct and blade with fluid simulation design for lower noise; noise is as low as 26 dB. ◆ DC Quiet Drainage Pump The lift height of the drain pump is up to 1.2m, which can effectively drain out condensing water and save space. Adopting high-lift DC quiet type drainage pump for lower power consumption and better sound quality; the maximum lifting height is 1200mm; installation is more flexible and the drainage pipe layout is more convenient.

1.4 Wall Mounted Type Indoor Unit

Features	Characteristic
	◆ Cleanable filter The filter is removable and can be cleaned for easy maintenance. ◆ Quiet design High-efficiency cross flow fan and low-noise EXV are adopted, which greatly reduce the noise of entire unit. ◆ One IDU with several wired controller and several IDUs with one wired controller One IDU can be connected with several wired controllers in order to control one IDU from different location; meanwhile, several IDUs can be connected with one wired controller in order to achieve centralized control of 16 IDUs in maximum. ◆ Wide air supply range The air supply range is wide, so that the wind can be delivered to each corner of the room naturally and evenly. ◆ Super cooling and heating function Intelligent temperature control technology is adopted with super cooling and heating function, so that the room temperature can reach set temperature rapidly. ◆ I-feel function When I-feel function is activated, the unit can detect the temperature around the user and adjust the temperature, so that the comfort of user is improved. (Wireless remote controller shall be equipped) ◆ Panel is removable The panel of indoor unit can be removed easily for convenient maintenance. ◆ Multiple protections Anti-freezing protection, temperature sensor malfunction protection, fan motor overload protection.

2. Unit Parameters

2.1 High Static Pressure Duct Indoor Unit

Model			GMV-ND22PHS/NhD-T	GMV-ND25PHS/NhD-T	GMV-ND28PHS/NhD-T
Capacity	Cooling	kW	2.2	2.5	2.8
	Heating	kW	2.5	2.8	3.2
Power supply		V/Ph/Hz	220-240V ~ 50Hz 208-230V ~ 60Hz	220-240V ~ 50Hz 208-230V ~ 60Hz	220-240V ~ 50Hz 208-230V ~ 60Hz
Airflow volume(H/M/L)		m^3/h	600/500/420	600/500/420	600/500/420
ESP		Pa	60/0-150	60/0-150	60/0-150
Sound pressure level(H/M/L)		dB(A)	31/28/26	31/28/26	31/28/26
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ9.52	Φ9.52	Φ9.52
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5
Dimension (W×D×H)	Outline	mm	700×700×300	700×700×300	700×700×300
	Package	mm	897×808×360	897×808×360	897×808×360
Net weight/Gross weight		kg	32/38	32/38	32/38
Power consumption		W	65	65	65
Rated Current	Cooling	A	0.5	0.5	0.5
	Heating	A	0.5	0.5	0.5
Refrigeration Control Device			EXV	EXV	EXV
Protection Device			Fuse	Fuse	Fuse

Model			GMV-ND32PHS/NhD-T	GMV-ND36PHS/NhD-T	GMV-ND40PHS/NhD-T
Capacity	Cooling	kW	3.2	3.6	4.0
	Heating	kW	3.6	4.0	4.5
Power supply		V/Ph/Hz	220-240V ~ 50Hz 208-230V ~ 60Hz	220-240V ~ 50Hz 208-230V ~ 60Hz	220-240V ~ 50Hz 208-230V ~ 60Hz
Airflow volume(H/M/L)		m^3/h	600/500/420	600/500/420	850/700/600
ESP		Pa	60/0-150	60/0-150	60/0-150
Sound pressure level(H/M/L)		dB(A)	31/28/26	31/28/26	36/33/29
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ9.52	Φ9.52	Φ12.7
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5
Dimension (W×D×H)	Outline	mm	700×700×300	700×700×300	700×700×300
	Package	mm	897×808×360	897×808×360	897×808×360
Net weight/Gross weight		kg	32/38	32/38	32/38
Power consumption		W	65	65	85
Rated Current	Cooling	A	0.5	0.5	0.7
	Heating	A	0.5	0.5	0.7
Refrigeration Control Device			EXV	EXV	EXV
Protection Device			Fuse	Fuse	Fuse

Model			GMV-ND45PHS/NhD-T	GMV-ND50PHS/NhD-T	GMV-ND56PHS/NhD-T
Capacity	Cooling	kW	4.5	5.0	5.6
	Heating	kW	5.0	5.6	6.3
Power supply		V/Ph/Hz	220-240V ~ 50Hz 208-230V ~ 60Hz	220-240V ~ 50Hz 208-230V ~ 60Hz	220-240V ~ 50Hz 208-230V ~ 60Hz
Airflow volume(H/M/L)		m^3/h	850/700/600	850/700/600	1000/800/700
ESP		Pa	60/0-150	60/0-150	90/0-200
Sound pressure level(H/M/L)		dB(A)	36/33/29	36/33/29	37/34/30
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ12.7	Φ12.7	Φ12.7
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5
Dimension (W×D×H)	Outline	mm	700×700×300	700×700×300	1000×700×300
	Package	mm	897×808×360	897×808×360	1205×813×360
Net weight/Gross weight		kg	32/38	32/38	41.5/49
Power consumption		W	85	85	105
Rated Current	Cooling	A	0.7	0.7	0.8
	Heating	A	0.7	0.7	0.8
Refrigeration Control Device			EXV	EXV	EXV
Protection Device			Fuse	Fuse	Fuse

Model			GMV-ND63PHS/NhD-T	GMV-ND71PHS/NhD-T	GMV-ND80PHS/NhD-T
Capacity	Cooling	kW	6.3	7.1	8.0
	Heating	kW	7.1	8.0	9.0
Power supply		V/Ph/Hz	220-240V ~ 50Hz 208-230V ~ 60Hz	220-240V ~ 50Hz 208-230V ~ 60Hz	220-240V ~ 50Hz 208-230V ~ 60Hz

Model			GMV-ND63PHS/NhD-T	GMV-ND71PHS/NhD-T	GMV-ND80PHS/NhD-T
Airflow volume(H/M/L)		m^3/h	1000/800/700	1250/1050/950	1250/1050/950
ESP		Pa	90/0-200	90/0-200	90/0-200
Sound pressure level(H/M/L)		dB(A)	37/34/30	38/35/31	38/35/31
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ12.7	Φ12.7	Φ12.7
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5
Dimension (W×D×H)	Outline	mm	1000×700×300	1000×700×300	1000×700×300
	Package	mm	1205×813×360	1205×813×360	1205×813×360
Net weight/Gross weight		kg	41.5/49	41.5/49	41.5/49
Power consumption		W	105	125	125
Rated Current	Cooling	A	0.8	1	1
	Heating	A	0.8	1	1
Refrigeration Control Device			EXV	EXV	EXV
Protection Device			Fuse	Fuse	Fuse

Model			GMV-ND90PHS/NhD-T	GMV-ND100PHS/NhD-T	GMV-ND112PHS/NhD-T
Capacity	Cooling	kW	9.0	10.0	11.2
	Heating	kW	10.0	11.2	12.5
Power supply		V/Ph/Hz	220-240V ~ 50Hz 208-230V ~ 60Hz	220-240V ~ 50Hz 208-230V ~ 60Hz	220-240V ~ 50Hz 208-230V ~ 60Hz
Airflow volume(H/M/L)		m^3/h	1800/1450/1250	1800/1450/1250	2000/1600/1400
ESP		Pa	90/0-200	90/0-200	90/0-200
Sound pressure level(H/M/L)		dB(A)	39/36/32	39/36/32	41/38/36
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ15.9	Φ15.9	Φ15.9
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5
Dimension (W×D×H)	Outline	mm	1400×700×300	1400×700×300	1400×700×300
	Package	mm	1601×813×365	1601×813×365	1601×813×365
Net weight/Gross weight		kg	55/64	55/64	55/64
Power consumption		W	160	160	160
Rated Current	Cooling	A	1.1	1.1	1.3
	Heating	A	1.1	1.1	1.3
Refrigeration Control Device			EXV	EXV	EXV
Protection Device			Fuse	Fuse	Fuse

Model			GMV-ND125PHS/NhD-T	GMV-ND140PHS/NhD-T
Capacity	Cooling	kW	12.5	14.0
	Heating	kW	14.0	16.0
Power supply		V/Ph/Hz	220-240V ~ 50Hz 208-230V ~ 60Hz	220-240V ~ 50Hz 208-230V ~ 60Hz
Airflow volume(H/M/L)		m^3/h	2000/1600/1400	2350/1900/1650
ESP		Pa	90/0-200	90/0-200
Sound pressure level(H/M/L)		dB(A)	41/38/36	43/40/37

Model			GMV-ND125PHS/NhD-T	GMV-ND140PHS/NhD-T
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52
	Gas	mm	Φ15.9	Φ15.9
Drain pipe	External dia.	mm	Φ25	Φ25
	Thickness	mm	2.5	2.5
Dimension (W×D×H)	Outline	mm	1400×700×300	1400×700×300
	Package	mm	1601×813×365	1601×813×365
Net weight/Gross weight		kg	55/64	55/64
Power consumption		W	160	265
Rated Current	Cooling	A	1.3	1.8
	Heating	A	1.3	1.8
Refrigeration Control Device			EXV	EXV
Protection Device			Fuse	Fuse

2.2 360°Air Discharge Cassette Indoor Unit

Model			GMV-ND22T/NhD1-T	GMV-ND28T/NhD1-T	GMV-ND36T/NhD1-T
Capacity	Cooling	kW	2.2	2.8	3.6
	Heating	kW	2.5	3.2	4.0
Power supply		V/Ph/Hz	220-240V ~ 50Hz 208-230V ~ 60Hz	220-240V ~ 50Hz 208-230V ~ 60Hz	220-240V ~ 50Hz 208-230V ~ 60Hz
Airflow volume(H/M/L)		m^3/h	800/700/600	800/700/600	800/700/600
ESP		Pa	0	0	0
Sound pressure level(H/M/L)		dB(A)	31/29/27	31/29/27	31/29/27
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ9.52	Φ9.52	Φ9.52
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5
Dimension (W×D×H)	Outline	mm	840×840×200	840×840×200	840×840×200
	Package	mm	933×933×255	933×933×255	933×933×255
Net weight/Gross weight		kg	20.5/26.5	20.5/26.5	20.5/26.5
Power consumption		W	23	23	23
Rated Current	Cooling	A	0.12	0.12	0.12
	Heating	A	0.12	0.12	0.12
Refrigeration Control Device			EXV	EXV	EXV
Protection Device			Fuse	Fuse	Fuse

Model			GMV-ND45T/NhD1-T	GMV-ND50T/NhD1-T	GMV-ND56T/NhD1-T
Capacity	Cooling	kW	4.5	5.0	5.6
	Heating	kW	5.0	5.6	6.3
Power supply		V/Ph/Hz	220-240V ~ 50Hz 208-230V ~ 60Hz	220-240V ~ 50Hz 208-230V ~ 60Hz	220-240V ~ 50Hz 208-230V ~ 60Hz
Airflow volume(H/M/L)		m^3/h	900/800/700	900/800/700	1100/935/850
ESP		Pa	0	0	0
Sound pressure level(H/M/L)		dB(A)	33/31/28	33/31/28	35/32/30
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ12.7	Φ12.7	Φ12.7

Model			GMV-ND45T/NhD1-T	GMV-ND50T/NhD1-T	GMV-ND56T/NhD1-T
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5
Dimension (W×D×H)	Outline	mm	840×840×200	840×840×200	840×840×200
	Package	mm	933×933×255	933×933×255	933×933×255
Net weight/Gross weight		kg	20.5/26.5	20.5/26.5	21/27
Power consumption		W	32	32	42
Rated Current	Cooling	A	0.16	0.16	0.35
	Heating	A	0.16	0.16	0.35
Refrigeration Control Device			EXV	EXV	EXV
Protection Device			Fuse	Fuse	Fuse

Model			GMV-ND63T/NhD1-T	GMV-ND71T/NhD1-T	GMV-ND80T/NhD1-T
Capacity	Cooling	kW	6.3	7.1	8.0
	Heating	kW	7.1	8.0	9.0
Power supply		V/Ph/Hz	220-240V ~ 50Hz 208-230V ~ 60Hz	220-240V ~ 50Hz 208-230V ~ 60Hz	220-240V ~ 50Hz 208-230V ~ 60Hz
Airflow volume(H/M/L)		m^3/h	1100/935/850	1100/935/850	1400/1000/900
ESP		Pa	0	0	0
Sound pressure level(H/M/L)		dB(A)	35/32/30	35/32/30	38/34/31
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ12.7	Φ12.7	Φ12.7
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5
Dimension (W×D×H)	Outline	mm	840×840×200	840×840×200	840×840×200
	Package	mm	933×933×255	933×933×255	933×933×255
Net weight/Gross weight		kg	21/27	21/27	21/27
Power consumption		W	42	42	42
Rated Current	Cooling	A	0.35	0.35	0.35
	Heating	A	0.35	0.35	0.35
Refrigeration Control Device			EXV	EXV	EXV
Protection Device			Fuse	Fuse	Fuse

Model			GMV-ND90T/NhD1-T	GMV-ND100T/NhD1-T	GMV-ND112T/NhD1-T
Capacity	Cooling	kW	9.0	10.0	11.2
	Heating	kW	10.0	11.2	12.5
Power supply		V/Ph/Hz	220-240V ~ 50Hz 208-230V ~ 60Hz	220-240V ~ 50Hz 208-230V ~ 60Hz	220-240V ~ 50Hz 208-230V ~ 60Hz
Airflow volume(H/M/L)		m^3/h	1400/1000/900	1550/1200/1000	1550/1200/1000
ESP		Pa	0	0	0
Sound pressure level(H/M/L)		dB(A)	38/34/31	42/37/33	42/37/33
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ15.9	Φ15.9	Φ15.9
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5

Model			GMV-ND90T/NhD1-T	GMV-ND100T/NhD1-T	GMV-ND112T/NhD1-T
Dimension (W×D×H)	Outline	mm	840×840×240	840×840×240	840×840×240
	Package	mm	933×933×292	933×933×292	933×933×292
Net weight/Gross weight		kg	22/28	22/28	22/28
Power consumption		W	60	90	90
Rated Current	Cooling	A	0.60	0.80	0.80
	Heating	A	0.60	0.80	0.80
Refrigeration Control Device			EXV	EXV	EXV
Protection Device			Fuse	Fuse	Fuse

Model			GMV-ND125T/NhD1-T	GMV-ND140T/NhD1-T
Capacity	Cooling	kW	12.5	14.0
	Heating	kW	14.0	16.0
Power supply		V/Ph/Hz	220-240V ~ 50Hz 208-230V ~ 60Hz	220-240V ~ 50Hz 208-230V ~ 60Hz
Airflow volume(H/M/L)		m^3/h	1800/1450/1150	1800/1450/1150
ESP		Pa	0	0
Sound pressure level(H/M/L)		dB(A)	43/38/33	43/38/33
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52
	Gas	mm	Φ15.9	Φ15.9
Drain pipe	External dia.	mm	Φ25	Φ25
	Thickness	mm	2.5	2.5
Dimension (W×D×H)	Outline	mm	840×840×290	840×840×290
	Package	mm	933×933×345	933×933×345
Net weight/Gross weight		kg	25/31	25/31
Power consumption		W	100	100
Rated Current	Cooling	A	0.90	0.90
	Heating	A	0.90	0.90
Refrigeration Control Device			EXV	EXV
Protection Device			Fuse	Fuse

2.3 360°Air Discharge Compact Cassette Indoor Unit

Model			GMV-ND15T/NhE-T	GMV-ND18T/NhE-T	GMV-ND22T/NhE-T
Capacity	Cooling	kW	1.5	1.8	2.2
	Heating	kW	1.8	2.2	2.5
Power supply		V/Ph/Hz	220-240V ~ 50Hz 208-230V ~ 60Hz	220-240V ~ 50Hz 208-230V ~ 60Hz	220-240V ~ 50Hz 208-230V ~ 60Hz
Airflow volume(H/M/L)		m^3/h	500/460/370	500/460/370	500/460/370
ESP		Pa	0	0	0
Sound pressure level(H/M/L)		dB(A)	31/28/26	31/28/26	31/28/26
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ9.52	Φ9.52	Φ9.52
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5
Dimension (W×D×H)	Outline	mm	570×570×265	570×570×265	570×570×265
	Package	mm	698×653×295	698×653×295	698×653×295

Model			GMV-ND15T/NhE-T	GMV-ND18T/NhE-T	GMV-ND22T/NhE-T
Net weight/Gross weight		kg	17.0/21.5	17.0/21.5	17.0/21.5
Power consumption		W	21	21	21
Rated Current	Cooling	A	0.11	0.11	0.11
	Heating	A	0.11	0.11	0.11
Refrigeration Control Device			EXV	EXV	EXV
Protection Device			Fuse	Fuse	Fuse

Model			GMV-ND28T/NhE-T	GMV-ND36T/NhE-T	GMV-ND45T/NhE-T
Capacity	Cooling	kW	2.8	3.6	4.5
	Heating	kW	3.2	4.0	5.0
Power supply		V/Ph/Hz	220-240V ~ 50Hz 208-230V ~ 60Hz	220-240V ~ 50Hz 208-230V ~ 60Hz	220-240V ~ 50Hz 208-230V ~ 60Hz
Airflow volume(H/M/L)		m^3/h	570/480/420	620/550/480	650/570/500
ESP		Pa	0	0	0
Sound pressure level(H/M/L)		dB(A)	35/33/28	35/33/28	35/33/28
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ9.52	Φ9.52	Φ12.7
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5
Dimension (W×D×H)	Outline	mm	570×570×265	570×570×265	570×570×265
	Package	mm	698×653×295	698×653×295	698×653×295
Net weight/Gross weight		kg	17.0/21.5	17.0/21.5	17.0/21.5
Power consumption		W	28	28	28
Rated Current	Cooling	A	0.15	0.15	0.15
	Heating	A	0.15	0.15	0.15
Refrigeration Control Device			EXV	EXV	EXV
Protection Device			Fuse	Fuse	Fuse

Model			GMV-ND50T/NhE-T	GMV-ND56T/NhE-T	GMV-ND63T/NhE-T
Capacity	Cooling	kW	5.0	5.6	6.3
	Heating	kW	5.6	6.3	7.1
Power supply		V/Ph/Hz	220-240V ~ 50Hz 208-230V ~ 60Hz	220-240V ~ 50Hz 208-230V ~ 60Hz	220-240V ~ 50Hz 208-230V ~ 60Hz
Airflow volume(H/M/L)		m^3/h	730/650/560	730/650/560	800/660/570
ESP		Pa	0	0	0
Sound pressure level(H/M/L)		dB(A)	43/40/38	43/40/38	43/40/38
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ12.7	Φ12.7	Φ12.7
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5
Dimension (W×D×H)	Outline	mm	570×570×265	570×570×265	570×570×265
	Package	mm	698×653×295	698×653×295	698×653×295
Net weight/Gross weight		kg	17.0/21.5	17.0/21.5	17.0/21.5
Power consumption		W	42	42	46
Rated Current	Cooling	A	0.23	0.23	0.25
	Heating	A	0.23	0.23	0.25
Refrigeration Control Device			EXV	EXV	EXV
Protection Device			Fuse	Fuse	Fuse

Model			GMV-ND71T/NhE-T
Capacity	Cooling	kW	7.1
	Heating	kW	8.0
Power supply		V/Ph/Hz	220-240V ~ 50Hz 208-230V ~ 60Hz
Airflow volume(H/M/L)		m^3/h	800/660/570
ESP		Pa	0
Sound pressure level(H/M/L)		dB(A)	43/40/38
Connecting pipe	Liquid	mm	Φ6.35
	Gas	mm	Φ12.7
Drain pipe	External dia.	mm	Φ25
	Thickness	mm	2.5
Dimension (W×D×H)	Outline	mm	570×570×265
	Package	mm	698×653×295
Net weight/Gross weight		kg	17.0/21.5
Power consumption		W	46
Rated Current	Cooling	A	0.25
	Heating	A	0.25
Refrigeration Control Device			EXV
Protection Device			Fuse

2.4 Wall Mounted Type Indoor Unit

Model			GMV-ND15G/NhA1C-T	GMV-ND18G/NhA1C-T	GMV-ND22G/NhA1C-T
Capacity	Cooling	kW	1500	1800	2200
	Heating	kW	1800	2200	2500
Power supply		V/Ph/Hz	220/240V ~ 50/60Hz	220/240V ~ 50/60Hz	220/240V ~ 50/60Hz
Airflow volume(H/M/L)		m3/h	450/400/350	450/400/350	450/400/350
ESP		Pa	0	0	0
Sound pressure level(H/M/L)		dB(A)	36/34/31	36/34/31	36/34/31
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ9.52	Φ9.52	Φ9.52
Drain pipe		mm	Φ20	Φ20	Φ20
Dimension (W×D×H)	Outline	mm	867×206×276	867×206×276	867×206×276
	Package	mm	1008×349×279	1008×349×279	1008×349×279
Net weight/Gross weight		kg	9/13	9/13	9/13
Power consumption		W	25	25	25
Rated Current	Cooling	A	0.2	0.2	0.2
	Heating	A	0.2	0.2	0.2
Refrigeration Control Device			EXV	EXV	EXV
Protection Device			Fuse	Fuse	Fuse

Model			GMV-ND28G/NhA1C-T	GMV-ND36G/NhA1C-T	GMV-ND45G/NhA1C-T
Capacity	Cooling	kW	2800	3600	4500
	Heating	kW	3200	4000	5000
Power supply		V/Ph/Hz	220/240V ~ 50/60Hz	220/240V ~ 50/60Hz	220/240V ~ 50/60Hz
Airflow volume(H/M/L)		m^3/h	450/400/350	650/600/500	650/600/500

Model			GMV-ND28G/NhA1C-T	GMV-ND36G/NhA1C-T	GMV-ND45G/NhA1C-T
ESP		Pa	0	0	0
Sound pressure level(H/M/L)		dB(A)	36/34/31	42/39/34	42/39/34
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ9.52	Φ12.7	Φ12.7
Drain pipe		mm	Φ20	Φ20	Φ20
Dimension (W×D×H)	Outline	mm	867×206×276	978×248×333	978×248×333
	Package	mm	1008×349×279	1110×414×335	1110×414×335
Net weight/Gross weight		kg	9/13	12.5/18	12.5/18
Power consumption		W	25	35	35
Rated Current	Cooling	A	0.2	0.2	0.2
	Heating	A	0.2	0.2	0.2
Refrigeration Control Device			EXV	EXV	EXV
Protection Device			Fuse	Fuse	Fuse

Model			GMV-ND50G/NhA1C-T	GMV-ND56G/NhA1C-T	GMV-ND63G/NhA1C-T
Capacity	Cooling	kW	5000	5600	6300
	Heating	kW	5600	6300	7100
Power supply		V/Ph/Hz	220/240V ~ 50/60Hz	220/240V ~ 50/60Hz	220/240V ~ 50/60Hz
Airflow volume(H/M/L)		m^3/h	650/600/500	900/820/700	900/820/700
ESP		Pa	0	0	0
Sound pressure level(H/M/L)		dB(A)	42/39/34	44/42/38	44/42/38
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ12.7	Φ12.7	Φ12.7
Drain pipe		mm	Φ20	Φ20	Φ20
Dimension (W×D×H)	Outline	mm	978×248×333	1116×248×333	1116×248×333
	Package	mm	1110×414×335	1254×422×341	1254×422×341
Net weight/Gross weight		kg	12.5/18	15/21	15/21
Power consumption		W	35	60	60
Rated Current	Cooling	A	0.2	0.4	0.4
	Heating	A	0.2	0.4	0.4
Refrigeration Control Device			EXV	EXV	EXV
Protection Device			Fuse	Fuse	Fuse

Model			GMV-ND71G/NhA1C-T	GMV-ND80G/NhA1C-T	GMV-ND90G/NhA1C-T
Capacity	Cooling	kW	7100	8000	9000
	Heating	kW	7500	9000	10000
Power supply		V/Ph/Hz	220/240V ~ 50/60Hz	220/240V ~ 50/60Hz	220/240V ~ 50/60Hz
Airflow volume(H/M/L)		m^3/h	900/820/700	1550/1160/860	1550/1160/860
ESP		Pa	0	0	0
Sound pressure level(H/M/L)		dB(A)	44/42/38	50/46/42	50/46/42
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ12.7	Φ12.7	Φ12.7
Drain pipe		mm	Φ20	Φ20	Φ20
Dimension (W×D×H)	Outline	mm	1116×248×333	1350×253×333	1350×253×333
	Package	mm	1254×422×341	1488×421×355	1488×421×355
Net weight/Gross weight		kg	15/21	20/25	20/25

Model			GMV-ND71G/NhA1C-T	GMV-ND80G/NhA1C-T	GMV-ND90G/NhA1C-T
Power consumption		W	60	86	86
Rated Current	Cooling	A	0.4	0.6	0.6
	Heating	A	0.4	0.6	0.6
Refrigeration Control Device			EXV	EXV	EXV
Protection Device			Fuse	Fuse	Fuse

Model			GMV-ND100G/NhA1C-T
Capacity	Cooling	kW	9500
	Heating	kW	10500
Power supply		V/Ph/Hz	220/240V ~ 50/60Hz
Airflow volume(H/M/L)		m^3/h	1550/1160/860
ESP		Pa	0
Sound pressure level(H/M/L)		dB(A)	50/46/42
Connecting pipe	Liquid	mm	Φ6.35
	Gas	mm	Φ12.7
Drain pipe		mm	Φ20
Dimension (W×D×H)	Outline	mm	1350×253×333
	Package	mm	1488×421×355
Net weight/Gross weight		kg	20/25
Power consumption		W	86
Rated Current	Cooling	A	0.6
	Heating	A	0.6
Refrigeration Control Device			EXV
Protection Device			Fuse

3. Special Requirements for R32 Units

3.1 To determine the charge limit

Step 1: In order to derive the total refrigerant charge limit in the system, determine the room area:

▪The room where an indoor unit is installed.

▪The room served by a ducted indoor unit installed in a different room.

The room area can be determined by projecting the walls, doors and partitions to the floor and calculate the enclosed area. The area of the every room being served by the system is used in the next step to determine the refrigerant charge limit of the system. Spaces connected by only drop ceilings, ductwork, or similar connections shall not be considered a single space.

If the partition between two rooms on the same floor meets certain requirements, then the rooms are considered as one room and the areas of the rooms may be added up. In this way it is possible to increase the A value used to calculate the refrigerant charge limit.

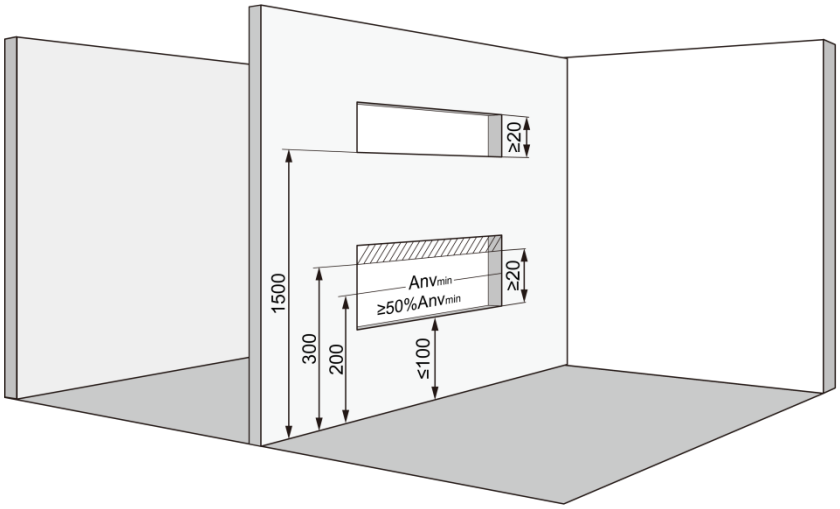
Note: A is the required room area in m2.

One of the following two requirements must be met to add up room areas:

▪ Rooms on the same floor that are connected with a permanent opening that extends to the floor and is intended for people to walk through can be considered as one room.

▪ Rooms on the same floor connected with openings that fulfill following requirements can be considered as a single room. The opening must consist out of two parts to allow for air circulation.

Unit: mm



Anv_{min} : Minimal natural ventilation area.

For the lower opening:

-It is not an opening to the outside.

-The opening cannot be closed.

-The opening must be≥0.012 m² (Anv_{min}).

-The area of any openings above 300 mm from the floor does not count when determining Anv_{min}。

-At least 50% of Anv_{min} is less than 200 mm above the floor.

-The bottom of the lower opening is≤100 mm from the floor.

-The height of the opening is≥20 mm.

For the upper opening:

-It is not an opening to the outside.

-The opening cannot be closed.

-The opening must be≥0.006m² (50% of Anv_{min}).

-The bottom of the upper opening must be≥1500 mm above the floor.

-The height of the opening is≥20mm.

Note: The requirement for the upper opening can be met by false ceilings, ventilation ducts or similar arrangements that provide an airflow path between the connected rooms.

Step 2: Use the table below to determine the refrigerant charge limit in the system for each indoor unit and for each room served by a ducted indoor unit.

The refrigerant charge limit depends on the effective height Hr:

(1) If the indoor unit release height H0≤2.2 m, the effective height Hr shall be the smaller value between the room height H and 2.2 m; If the indoor unit release height H0>2.2 m, Hr = room height H.

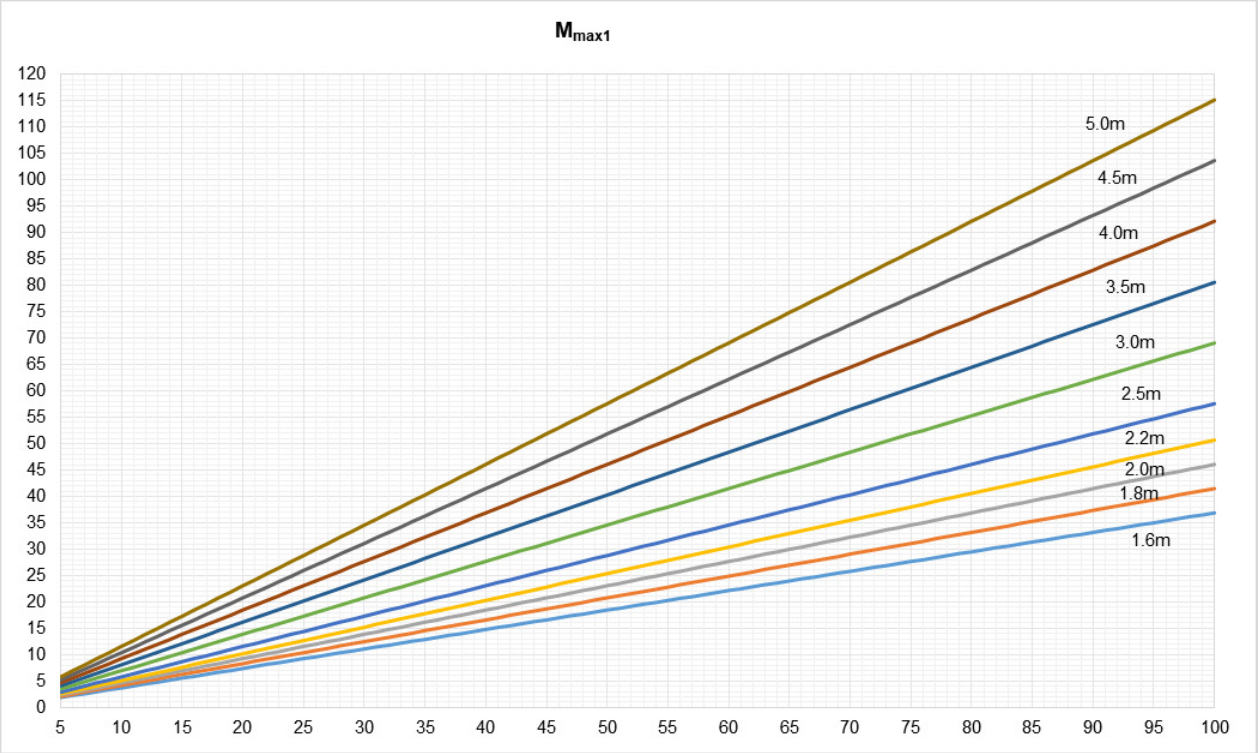
(2) H: Room height, the height from the room floor to the ceiling.

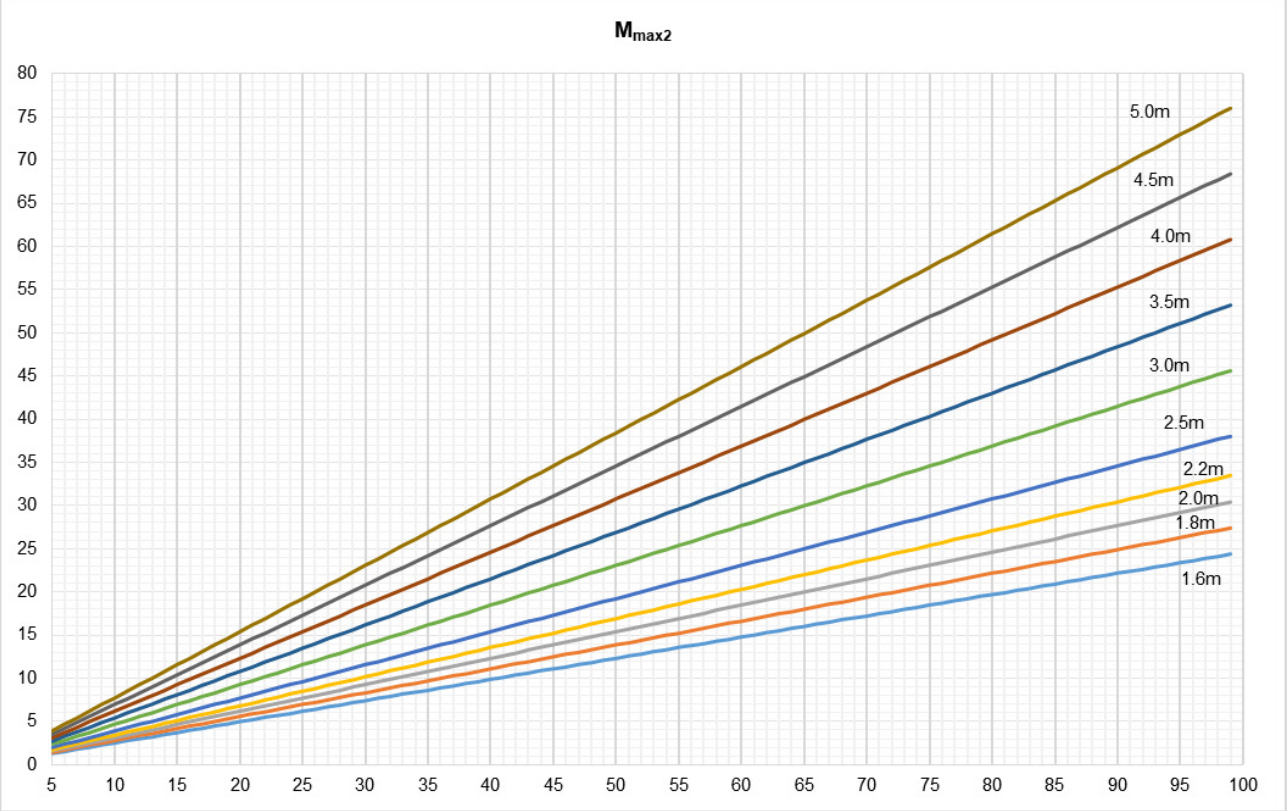
(3) H0: Release height (indoor unit installation height), measured between:

1) The bottom side of the indoor unit and the lowest point of the floor, in case the indoor unit is

installed in the same room.

2) The bottom of the duct opening and the lowest point of the floor, for rooms served by a ducted indoor unit installed in a different room.





	M_{max1}										M_{max2}									
Hr / A(m²)	1.6m	1.8m	2.0m	2.2m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	1.6m	1.8m	2.0m	2.2m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m
5	1.9	2.1	2.4	2.6	2.9	3.5	4.1	4.7	5.2	5.8	1.3	1.4	1.6	1.7	2.0	2.4	2.7	3.1	3.5	3.9
6	2.3	2.5	2.8	3.1	3.5	4.2	4.9	5.6	6.3	7.0	1.5	1.7	1.9	2.1	2.4	2.8	3.3	3.7	4.2	4.7
7	2.6	3.0	3.3	3.6	4.1	4.9	5.7	6.5	7.3	8.1	1.8	2.0	2.2	2.4	2.7	3.3	3.8	4.3	4.9	5.4
8	3.0	3.4	3.7	4.1	4.7	5.6	6.5	7.4	8.3	9.3	2.0	2.3	2.5	2.8	3.1	3.7	4.3	5.0	5.6	6.2
9	3.4	3.8	4.2	4.6	5.2	6.3	7.3	8.3	9.4	10.4	2.3	2.5	2.8	3.1	3.5	4.2	4.9	5.6	6.3	7.0
10	3.7	4.2	4.7	5.1	5.8	7.0	8.1	9.3	10.4	11.6	2.5	2.8	3.1	3.4	3.9	4.7	5.4	6.2	7.0	7.7
11	4.1	4.6	5.1	5.6	6.4	7.6	8.9	10.2	11.4	12.7	2.8	3.1	3.4	3.8	4.3	5.1	6.0	6.8	7.6	8.5
12	4.5	5.0	5.6	6.1	7.0	8.3	9.7	11.1	12.5	13.9	3.0	3.4	3.7	4.1	4.7	5.6	6.5	7.4	8.3	9.3
13	4.8	5.4	6.0	6.6	7.5	9.0	10.5	12.0	13.5	15.0	3.2	3.6	4.0	4.4	5.0	6.0	7.0	8.0	9.0	10.0
14	5.2	5.9	6.5	7.1	8.1	9.7	11.3	12.9	14.6	16.2	3.5	3.9	4.3	4.8	5.4	6.5	7.6	8.6	9.7	10.8
15	5.6	6.3	7.0	7.6	8.7	10.4	12.1	13.9	15.6	17.3	3.7	4.2	4.7	5.1	5.8	7.0	8.1	9.3	10.4	11.6
16	5.9	6.7	7.4	8.2	9.3	11.1	12.9	14.8	16.6	18.5	4.0	4.5	5.0	5.5	6.2	7.4	8.6	9.9	11.1	12.3
17	6.3	7.1	7.9	8.7	9.8	11.8	13.7	15.7	17.7	19.6	4.2	4.7	5.3	5.8	6.6	7.9	9.2	10.5	11.8	13.1
18	6.7	7.5	8.3	9.2	10.4	12.5	14.6	16.6	18.7	20.8	4.5	5.0	5.6	6.1	7.0	8.3	9.7	11.1	12.5	13.9
19	7.0	7.9	8.8	9.7	11.0	13.2	15.4	17.5	19.7	21.9	4.7	5.3	5.9	6.5	7.3	8.8	10.3	11.7	13.2	14.6
20	7.4	8.3	9.3	10.2	11.6	13.9	16.2	18.5	20.8	23.1	5.0	5.6	6.2	6.8	7.7	9.3	10.8	12.3	13.9	15.4
21	7.8	8.8	9.7	10.7	12.1	14.6	17.0	19.4	21.8	24.2	5.2	5.9	6.5	7.1	8.1	9.7	11.3	12.9	14.6	16.2
22	8.2	9.2	10.2	11.2	12.7	15.2	17.8	20.3	22.8	25.4	5.5	6.1	6.8	7.5	8.5	10.2	11.9	13.6	15.2	16.9
23	8.5	9.6	10.6	11.7	13.3	15.9	18.6	21.2	23.9	26.5	5.7	6.4	7.1	7.8	8.9	10.6	12.4	14.2	15.9	17.7
24	8.9	10.0	11.1	12.2	13.9	16.6	19.4	22.2	24.9	27.7	5.9	6.7	7.4	8.2	9.3	11.1	12.9	14.8	16.6	18.5
25	9.3	10.4	11.6	12.7	14.4	17.3	20.2	23.1	26.0	28.8	6.2	7.0	7.7	8.5	9.6	11.6	13.5	15.4	17.3	19.2
26	9.6	10.8	12.0	13.2	15.0	18.0	21.0	24.0	27.0	30.0	6.4	7.2	8.0	8.8	10.0	12.0	14.0	16.0	18.0	20.0
27	10.0	11.2	12.5	13.7	15.6	18.7	21.8	24.9	28.0	31.1	6.7	7.5	8.3	9.2	10.4	12.5	14.6	16.6	18.7	20.8
28	10.4	11.7	12.9	14.2	16.2	19.4	22.6	25.8	29.1	32.3	6.9	7.8	8.6	9.5	10.8	12.9	15.1	17.2	19.4	21.5
29	10.7	12.1	13.4	14.7	16.7	20.1	23.4	26.8	30.1	33.4	7.2	8.1	9.0	9.8	11.2	13.4	15.6	17.9	20.1	22.3
30	11.1	12.5	13.9	15.2	17.3	20.8	24.2	27.7	31.1	34.6	7.4	8.3	9.3	10.2	11.6	13.9	16.2	18.5	20.8	23.1
31	11.5	12.9	14.3	15.8	17.9	21.5	25.0	28.6	32.2	35.7	7.7	8.6	9.6	10.5	11.9	14.3	16.7	19.1	21.5	23.8
32	11.8	13.3	14.8	16.3	18.5	22.2	25.8	29.5	33.2	36.9	7.9	8.9	9.9	10.9	12.3	14.8	17.2	19.7	22.2	24.6
33	12.2	13.7	15.2	16.8	19.0	22.8	26.6	30.4	34.2	38.0	8.2	9.2	10.2	11.2	12.7	15.2	17.8	20.3	22.8	25.4
34	12.6	14.1	15.7	17.3	19.6	23.5	27.4	31.4	35.3	39.2	8.4	9.4	10.5	11.5	13.1	15.7	18.3	20.9	23.5	26.1
35	12.9	14.6	16.2	17.8	20.2	24.2	28.3	32.3	36.3	40.3	8.6	9.7	10.8	11.9	13.5	16.2	18.9	21.5	24.2	26.9
36	13.3	15.0	16.6	18.3	20.8	24.9	29.1	33.2	37.4	41.5	8.9	10.0	11.1	12.2	13.9	16.6	19.4	22.2	24.9	27.7
37	13.7	15.4	17.1	18.8	21.3	25.6	29.9	34.1	38.4	42.6	9.1	10.3	11.4	12.5	14.2	17.1	19.9	22.8	25.6	28.4
38	14.0	15.8	17.5	19.3	21.9	26.3	30.7	35.0	39.4	43.8	9.4	10.5	11.7	12.9	14.6	17.5	20.5	23.4	26.3	29.2
39	14.4	16.2	18.0	19.8	22.5	27.0	31.5	36.0	40.5	44.9	9.6	10.8	12.0	13.2	15.0	18.0	21.0	24.0	27.0	30.0
40	14.8	16.6	18.5	20.3	23.1	27.7	32.3	36.9	41.5	46.1	9.9	11.1	12.3	13.6	15.4	18.5	21.5	24.6	27.7	30.8
41	15.2	17.0	18.9	20.8	23.7	28.4	33.1	37.8	42.5	47.3	10.1	11.4	12.6	13.9	15.8	18.9	22.1	25.2	28.4	31.5
42	15.5	17.5	19.4	21.3	24.2	29.1	33.9	38.7	43.6	48.4	10.4	11.7	12.9	14.2	16.2	19.4	22.6	25.8	29.1	32.3
43	15.9	17.9	19.9	21.8	24.8	29.8	34.7	39.7	44.6	49.6	10.6	11.9	13.3	14.6	16.6	19.9	23.2	26.5	29.8	33.1
44	16.3	18.3	20.3	22.3	25.4	30.4	35.5	40.6	45.6	50.7	10.9	12.2	13.6	14.9	16.9	20.3	23.7	27.1	30.4	33.8
45	16.6	18.7	20.8	22.8	26.0	31.1	36.3	41.5	46.7	51.9	11.1	12.5	13.9	15.2	17.3	20.8	24.2	27.7	31.1	34.6
46	17.0	19.1	21.2	23.4	26.5	31.8	37.1	42.4	47.7	53.0	11.3	12.8	14.2	15.6	17.7	21.2	24.8	28.3	31.8	35.4

	M_{max1}										M_{max2}									
Hr / A(m²)	1.6m	1.8m	2.0m	2.2m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	1.6m	1.8m	2.0m	2.2m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m
47	17.4	19.5	21.7	23.9	27.1	32.5	37.9	43.3	48.7	54.2	11.6	13.0	14.5	15.9	18.1	21.7	25.3	28.9	32.5	36.1
48	17.7	19.9	22.2	24.4	27.7	33.2	38.7	44.3	49.8	55.3	11.8	13.3	14.8	16.3	18.5	22.2	25.8	29.5	33.2	36.9
49	18.1	20.4	22.6	24.9	28.3	33.9	39.5	45.2	50.8	56.5	12.1	13.6	15.1	16.6	18.9	22.6	26.4	30.1	33.9	37.7
50	18.5	20.8	23.1	25.4	28.8	34.6	40.3	46.1	51.9	57.6	12.3	13.9	15.4	16.9	19.2	23.1	26.9	30.8	34.6	38.4
51	18.8	21.2	23.5	25.9	29.4	35.3	41.1	47.0	52.9	58.8	12.6	14.1	15.7	17.3	19.6	23.5	27.4	31.4	35.3	39.2
52	19.2	21.6	24.0	26.4	30.0	36.0	42.0	47.9	53.9	59.9	12.8	14.4	16.0	17.6	20.0	24.0	28.0	32.0	36.0	40.0
53	19.6	22.0	24.5	26.9	30.6	36.7	42.8	48.9	55.0	61.1	13.1	14.7	16.3	17.9	20.4	24.5	28.5	32.6	36.7	40.7
54	19.9	22.4	24.9	27.4	31.1	37.4	43.6	49.8	56.0	62.2	13.3	15.0	16.6	18.3	20.8	24.9	29.1	33.2	37.4	41.5
55	20.3	22.8	25.4	27.9	31.7	38.0	44.4	50.7	57.0	63.4	13.6	15.2	16.9	18.6	21.2	25.4	29.6	33.8	38.0	42.3
56	20.7	23.3	25.8	28.4	32.3	38.7	45.2	51.6	58.1	64.5	13.8	15.5	17.2	19.0	21.5	25.8	30.1	34.4	38.7	43.0
57	21.0	23.7	26.3	28.9	32.9	39.4	46.0	52.5	59.1	65.7	14.0	15.8	17.5	19.3	21.9	26.3	30.7	35.0	39.4	43.8
58	21.4	24.1	26.8	29.4	33.4	40.1	46.8	53.5	60.1	66.8	14.3	16.1	17.9	19.6	22.3	26.8	31.2	35.7	40.1	44.6
59	21.8	24.5	27.2	29.9	34.0	40.8	47.6	54.4	61.2	68.0	14.5	16.4	18.2	20.0	22.7	27.2	31.7	36.3	40.8	45.3
60	22.2	24.9	27.7	30.4	34.6	41.5	48.4	55.3	62.2	69.1	14.8	16.6	18.5	20.3	23.1	27.7	32.3	36.9	41.5	46.1
61	22.5	25.3	28.1	30.9	35.2	42.2	49.2	56.2	63.3	70.3	15.0	16.9	18.8	20.6	23.5	28.1	32.8	37.5	42.2	46.9
62	22.9	25.7	28.6	31.5	35.7	42.9	50.0	57.2	64.3	71.4	15.3	17.2	19.1	21.0	23.8	28.6	33.4	38.1	42.9	47.6
63	23.3	26.2	29.1	32.0	36.3	43.6	50.8	58.1	65.3	72.6	15.5	17.5	19.4	21.3	24.2	29.1	33.9	38.7	43.6	48.4
64	23.6	26.6	29.5	32.5	36.9	44.3	51.6	59.0	66.4	73.7	15.8	17.7	19.7	21.7	24.6	29.5	34.4	39.3	44.3	49.2
65	24.0	27.0	30.0	33.0	37.5	44.9	52.4	59.9	67.4	74.9	16.0	18.0	20.0	22.0	25.0	30.0	35.0	40.0	44.9	49.9
66	24.4	27.4	30.4	33.5	38.0	45.6	53.2	60.8	68.4	76.0	16.3	18.3	20.3	22.3	25.4	30.4	35.5	40.6	45.6	50.7
67	24.7	27.8	30.9	34.0	38.6	46.3	54.0	61.8	69.5	77.2	16.5	18.6	20.6	22.7	25.8	30.9	36.0	41.2	46.3	51.5
68	25.1	28.2	31.4	34.5	39.2	47.0	54.8	62.7	70.5	78.3	16.8	18.8	20.9	23.0	26.1	31.4	36.6	41.8	47.0	52.2
69	25.5	28.6	31.8	35.0	39.8	47.7	55.7	63.6	71.5	79.5	17.0	19.1	21.2	23.4	26.5	31.8	37.1	42.4	47.7	53.0
70	25.8	29.1	32.3	35.5	40.3	48.4	56.5	64.5	72.6	80.6	17.2	19.4	21.5	23.7	26.9	32.3	37.7	43.0	48.4	53.8
71	26.2	29.5	32.7	36.0	40.9	49.1	57.3	65.4	73.6	81.8	17.5	19.7	21.8	24.0	27.3	32.7	38.2	43.6	49.1	54.5
72	26.6	29.9	33.2	36.5	41.5	49.8	58.1	66.4	74.7	82.9	17.7	19.9	22.2	24.4	27.7	33.2	38.7	44.3	49.8	55.3
73	26.9	30.3	33.7	37.0	42.1	50.5	58.9	67.3	75.7	84.1	18.0	20.2	22.5	24.7	28.1	33.7	39.3	44.9	50.5	56.1
74	27.3	30.7	34.1	37.5	42.6	51.2	59.7	68.2	76.7	85.2	18.2	20.5	22.8	25.0	28.4	34.1	39.8	45.5	51.2	56.8
75	27.7	31.1	34.6	38.0	43.2	51.9	60.5	69.1	77.8	86.4	18.5	20.8	23.1	25.4	28.8	34.6	40.3	46.1	51.9	57.6
76	28.0	31.5	35.0	38.5	43.8	52.5	61.3	70.0	78.8	87.5	18.7	21.0	23.4	25.7	29.2	35.0	40.9	46.7	52.5	58.4
77	28.4	32.0	35.5	39.1	44.4	53.2	62.1	71.0	79.8	88.7	19.0	21.3	23.7	26.1	29.6	35.5	41.4	47.3	53.2	59.1
78	28.8	32.4	36.0	39.6	44.9	53.9	62.9	71.9	80.9	89.8	19.2	21.6	24.0	26.4	30.0	36.0	42.0	47.9	53.9	59.9
79	29.2	32.8	36.4	40.1	45.5	54.6	63.7	72.8	81.9	91.0	19.5	21.9	24.3	26.7	30.4	36.4	42.5	48.6	54.6	60.7
80	29.5	33.2	36.9	40.6	46.1	55.3	64.5	73.7	82.9	92.2	19.7	22.2	24.6	27.1	30.8	36.9	43.0	49.2	55.3	61.5
81	29.9	33.6	37.4	41.1	46.7	56.0	65.3	74.7	84.0	93.3	19.9	22.4	24.9	27.4	31.1	37.4	43.6	49.8	56.0	62.2
82	30.3	34.0	37.8	41.6	47.3	56.7	66.1	75.6	85.0	94.5	20.2	22.7	25.2	27.7	31.5	37.8	44.1	50.4	56.7	63.0
83	30.6	34.4	38.3	42.1	47.8	57.4	66.9	76.5	86.0	95.6	20.4	23.0	25.5	28.1	31.9	38.3	44.6	51.0	57.4	63.8
84	31.0	34.9	38.7	42.6	48.4	58.1	67.7	77.4	87.1	96.8	20.7	23.3	25.8	28.4	32.3	38.7	45.2	51.6	58.1	64.5
85	31.4	35.3	39.2	43.1	49.0	58.8	68.5	78.3	88.1	97.9	20.9	23.5	26.1	28.8	32.7	39.2	45.7	52.2	58.8	65.3
86	31.7	35.7	39.7	43.6	49.6	59.5	69.4	79.3	89.2	99.1	21.2	23.8	26.5	29.1	33.1	39.7	46.3	52.9	59.5	66.1
87	32.1	36.1	40.1	44.1	50.1	60.1	70.2	80.2	90.2	100.2	21.4	24.1	26.8	29.4	33.4	40.1	46.8	53.5	60.1	66.8
88	32.5	36.5	40.6	44.6	50.7	60.8	71.0	81.1	91.2	101.4	21.7	24.4	27.1	29.8	33.8	40.6	47.3	54.1	60.8	67.6

Hr / A(m²)	M_{max1}										M_{max2}									
	1.6m	1.8m	2.0m	2.2m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	1.6m	1.8m	2.0m	2.2m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m
89	32.8	36.9	41.0	45.1	51.3	61.5	71.8	82.0	92.3	102.5	21.9	24.6	27.4	30.1	34.2	41.0	47.9	54.7	61.5	68.4
90	33.2	37.4	41.5	45.6	51.9	62.2	72.6	82.9	93.3	103.7	22.2	24.9	27.7	30.4	34.6	41.5	48.4	55.3	62.2	69.1
91	33.6	37.8	42.0	46.1	52.4	62.9	73.4	83.9	94.3	104.8	22.4	25.2	28.0	30.8	35.0	42.0	48.9	55.9	62.9	69.9
92	33.9	38.2	42.4	46.7	53.0	63.6	74.2	84.8	95.4	106.0	22.6	25.5	28.3	31.1	35.4	42.4	49.5	56.5	63.6	70.7
93	34.3	38.6	42.9	47.2	53.6	64.3	75.0	85.7	96.4	107.1	22.9	25.7	28.6	31.5	35.7	42.9	50.0	57.2	64.3	71.4
94	34.7	39.0	43.3	47.7	54.2	65.0	75.8	86.6	97.4	108.3	23.1	26.0	28.9	31.8	36.1	43.3	50.6	57.8	65.0	72.2
95	35.0	39.4	43.8	48.2	54.7	65.7	76.6	87.5	98.5	109.4	23.4	26.3	29.2	32.1	36.5	43.8	51.1	58.4	65.7	73.0
96	35.4	39.8	44.3	48.7	55.3	66.4	77.4	88.5	99.5	110.6	23.6	26.6	29.5	32.5	36.9	44.3	51.6	59.0	66.4	73.7
97	35.8	40.3	44.7	49.2	55.9	67.1	78.2	89.4	100.6	111.7	23.9	26.9	29.8	32.8	37.3	44.7	52.2	59.6	67.1	74.5
98	36.2	40.7	45.2	49.7	56.5	67.7	79.0	90.3	101.6	112.9	24.1	27.1	30.1	33.1	37.7	45.2	52.7	60.2	67.7	75.3
99	36.5	41.1	45.6	50.2	57.0	68.4	79.8	91.2	102.6	114.0	24.4	27.4	30.4	33.5	38.0	45.6	53.2	60.8	68.4	76.0
100	36.9	41.5	46.1	50.7	57.6	69.1	80.6	92.2	103.7	115.2	24.6	27.7	30.8	33.8	38.4	46.1	53.8	61.5	69.1	76.8

Hr: The effective height(m)

A: Room area(m²)

M_{max1}: Refrigerant charge limit (kg)

M_{max2}: Refrigerant charge limit (kg)

NOTES!

① If the safety shutoff valve box is not installed upstream of the indoor unit, for rooms not located on the lowest underground floor of the building, the total refrigerant charge amount of the system shall not exceed M_{max1}; for rooms located on the lowest underground floor of the building, the total refrigerant charge amount of the system shall not exceed M_{max2}.

② If the safety shutoff valve box is installed upstream of the indoor unit, for rooms not located on the lowest underground floor of the building, the releasable charge of the indoor unit shall not exceed Mmax1; for rooms located on the lowest underground floor of the building, the total refrigerant charge amount of the system shall not exceed Mmax1, and the releasable charge of the indoor unit shall not exceed M_{max2}.

Note: The calculation method for the releasable charge of the indoor unit is described in section 3.2.

③ If the actual Hr is not exactly equal to the value in the table, the smaller Hr in the table need to be taken.

④ If the actual room area does not exactly match the value in the table, the smaller value from the table shall be used.

⑤ The minimum airflow is 240m³/h.

⑥ LEAK DETECTION SYSTEM installed. Unit must be powered except for service.

Step 3: Determine the total amount of refrigerant in the system: Outdoor Unit Manual.

Step 4: The total refrigerant charge in the system MUST be less than the lowest value of the refrigerant charge limit for each room where an indoor unit is installed or that is served by a ducted indoor unit installed in a different room. If NOT, change the installation (see choices below) and repeat all

of the above steps.

(1) Increase the area of the room restricting the total charge.

OR

(2) Decrease the piping length by changing the system layout.

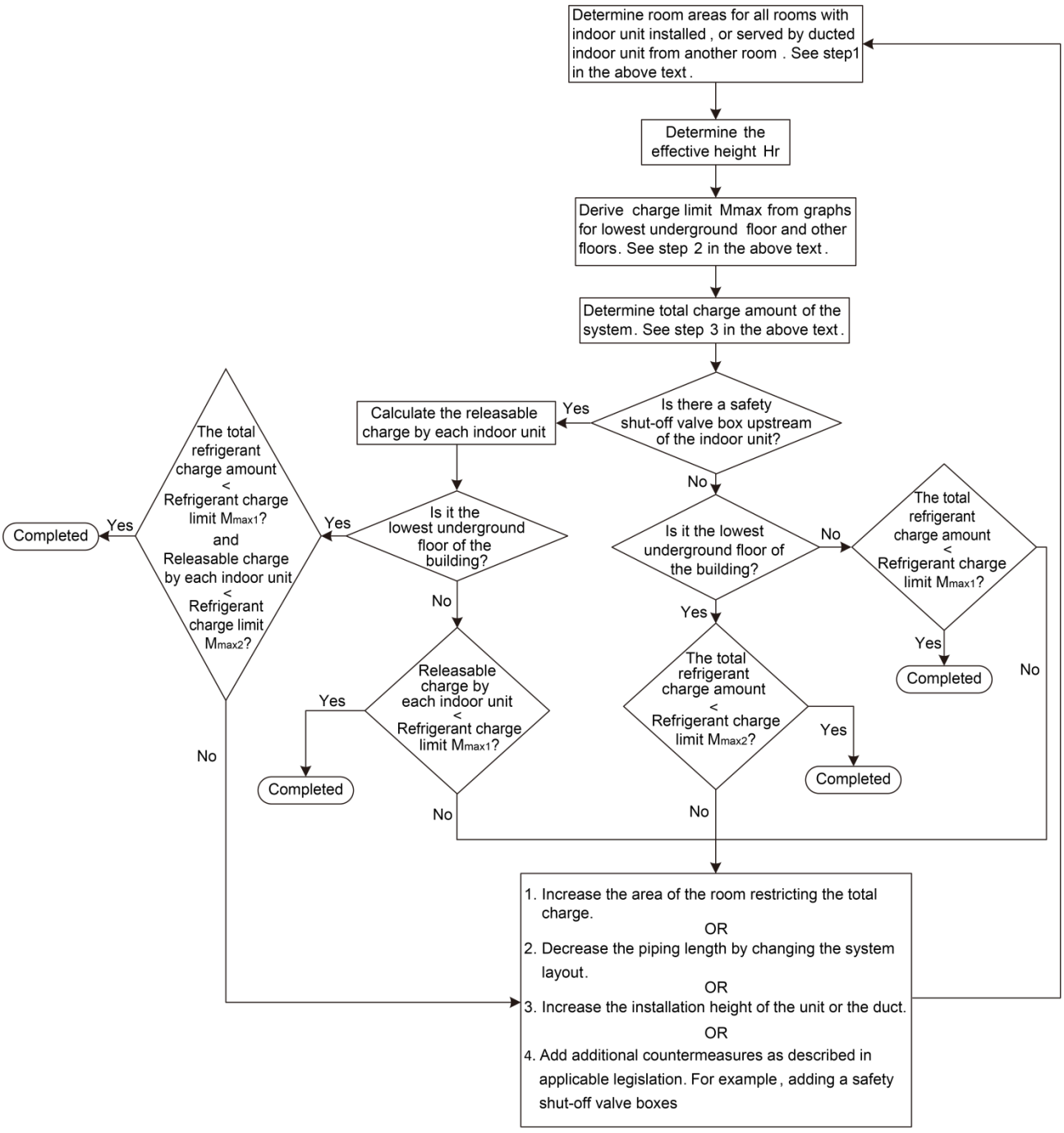
OR

(3) Increase the installation height of the unit or the duct.

OR

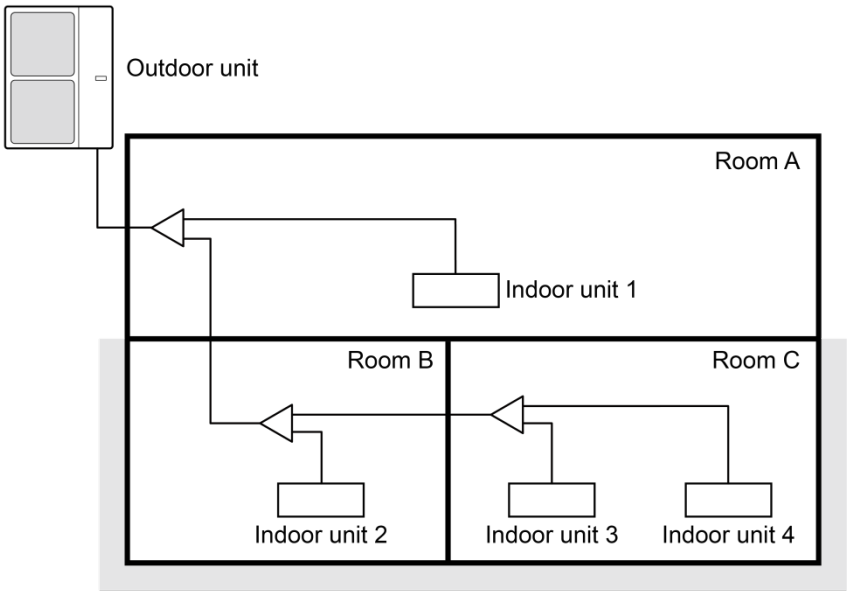
(4) Add additional countermeasures as described in applicable legislation. For example, adding a safety shut-off valve boxes.

Flow chart:



For example:

(1) System without safety shut-off valve boxes



—	Room A	Room B	Room C
Room area(m^2)	20	10	30
Effective height(m)	2.5	3.0	3.5
For spaces except lowest underground floor of the building	•	—	—
For lowest underground floor of the building	—	•	•
M_{max1}	11.6	—	—
M_{max2}	—	4.7	16.2
Total refrigerant charge of the system(kg)	10.0		
Judgement	√	×	√

(2) System with safety shut-off valve boxes.

There are four indoor units in the system:

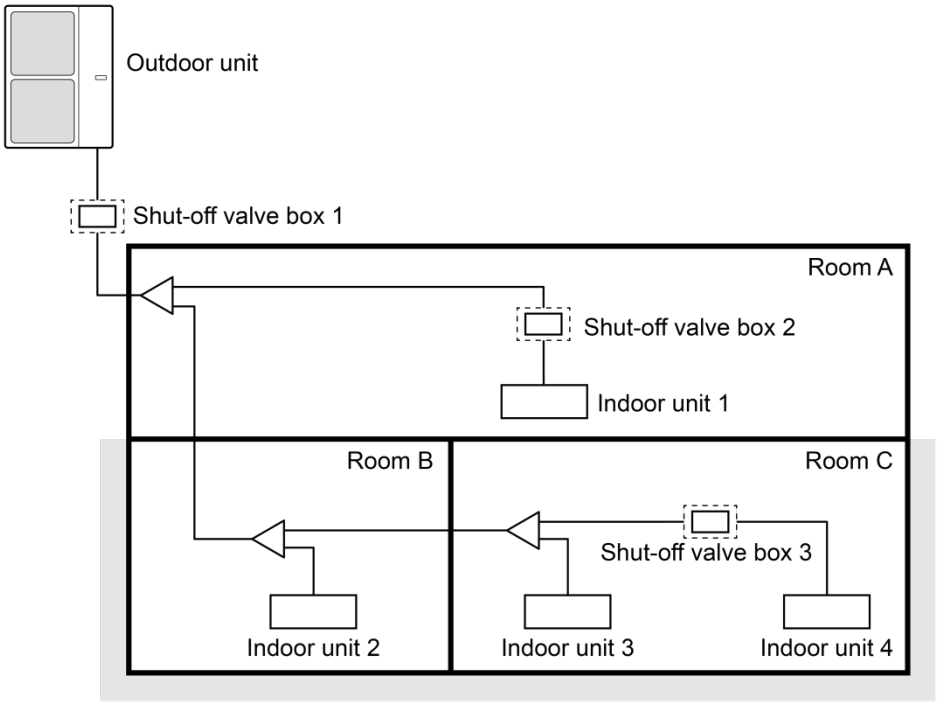
IDU 1: GMV-ND36PHS/NhD-T

IDU 2: GMV-ND50PHS/NhD-T

IDU 3: GMV-ND36PHS/NhD-T

IDU 4: GMV-ND36PHS/NhD-T

The outdoor unit capacity is 16kW.



—	Room A	Room B	Room C
Room area(m^2)	20	10	30
Effective height(m)	2.5	3.0	3.5
For spaces except lowest underground floor of the building	•	—	—
For lowest underground floor of the building	—	•	•
M_{max1}	11.6	7	24.2
M_{max2}	—	4.7	16.2
Total refrigerant charge of the system(kg)	—	10.0	
Releasable charge(kg)	3.314	7.444	IDU3:7.444 IDU4:3.314
Judgement	√	×	√

3.2 Calculation Method of Releasable Charge (m_{rl})

The shut-off valve box may be installed between outdoor unit and indoor units. When a refrigerant leak is detected by the indoor unit, all shut-off valves will automatically close to isolate the refrigerant system and prevent further leakage. The releasable charge (m_{rl}) refers to the total amount of refrigerant that may escape into the room from all indoor units and piping downstream of the shut-off valves in the event of a leak.

$$m_{rl} = \sum m_1 + \sum m_2 + m_3 + X$$

m_1 is the releasable charge of all indoor units downstream of the shut-off valve box, as specified in the table 1 below.

m_2 is the releasable charge of all pipelines downstream of the shut-off valve box, as specified in the table 2 below.

m_3 is determined based on the total refrigerant charge m_C of the system, as specified in the table 3 below.

If the outdoor unit capacity is less than or equal to 20kW, then X = 0.924 kg.

If the outdoor unit capacity exceeds 20kW, X refers to the Outdoor Unit Manual.

If the calculated m_{rl} exceeds the total refrigerant charge of the system (including the default refrigerant of outdoor unit and the additional refrigerant charge), the total refrigerant charge of the system should be used as m_{rl}.

Table 1: m_1 of indoor unit

Indoor Unit	m_1 of single indoor unit (kg)
GMV-ND22~50PHS/NhD-T	0.94
GMV-ND56~80PHS/NhD-T	1.31
GMV-ND90~140PHS/NhD-T	1.89
GMV-ND22~80T/NhD1-T	1.38
GMV-ND90~112T/NhD1-T	1.70
GMV-ND125~140T/NhD1-T	2.00
GMV-ND15~71T/NhE-T	1.04
GMV-ND15~28G/NhA1C-T	0.2
GMV-ND36~50G/NhA1C-T	0.17
GMV-ND56~71G/NhA1C-T	0.39
GMV-ND80~100G/NhA1C-T	0.37

m_1 of other indoor units refer to corresponding Owner's Manual.

All pipelines in the system are divided into five types A/B/C/D/E according to pipe dimension. Count the total pipe length of each type and find out m_2 of corresponding type in the table below. Add up all m_2 of each type to obtain the m_2 of the system.

Table 2: m_2 of pipeline:

Unit: kg

—		A	B	C	D	E
Gas Pipe(mm)		15.9	12.7	12.7	9.52	9.52
Liquid Pipe(mm)		9.52	9.52	6.35	9.52	6.35
Total Pipe Length (m)	5	0.31	0.26	0.13	0.25	0.11
	10	0.61	0.51	0.26	0.49	0.22
	15	0.91	0.76	0.38	0.73	0.33
	20	1.21	1.02	0.51	0.98	0.44
	25	1.52	1.27	0.64	1.22	0.55
	30	1.82	1.52	0.76	1.46	0.66
	35	2.12	1.78	0.89	1.70	0.77
	40	2.42	2.03	1.01	1.95	0.87
	45	2.72	2.28	1.14	2.19	0.98
	50	3.03	2.54	1.27	2.43	1.09
	55	3.33	2.79	1.39	2.68	1.20
	60	3.63	3.04	1.52	2.92	1.31
	65	3.93	3.30	1.64	3.16	1.42
	70	4.23	3.55	1.77	3.40	1.53
	75	4.54	3.80	1.90	3.65	1.64
	80	4.84	4.06	2.02	3.89	1.74
	85	5.14	4.31	2.15	4.13	1.85
	90	5.44	4.56	2.27	4.38	1.96
	95	5.74	4.81	2.40	4.62	2.07
	100	6.05	5.07	2.53	4.86	2.18

NOTE!

If the actual pipe length is not exactly equal to the value in the table, the longer length in the table need to be taken.

Table 3: m_3 of the system.

Unit: kg

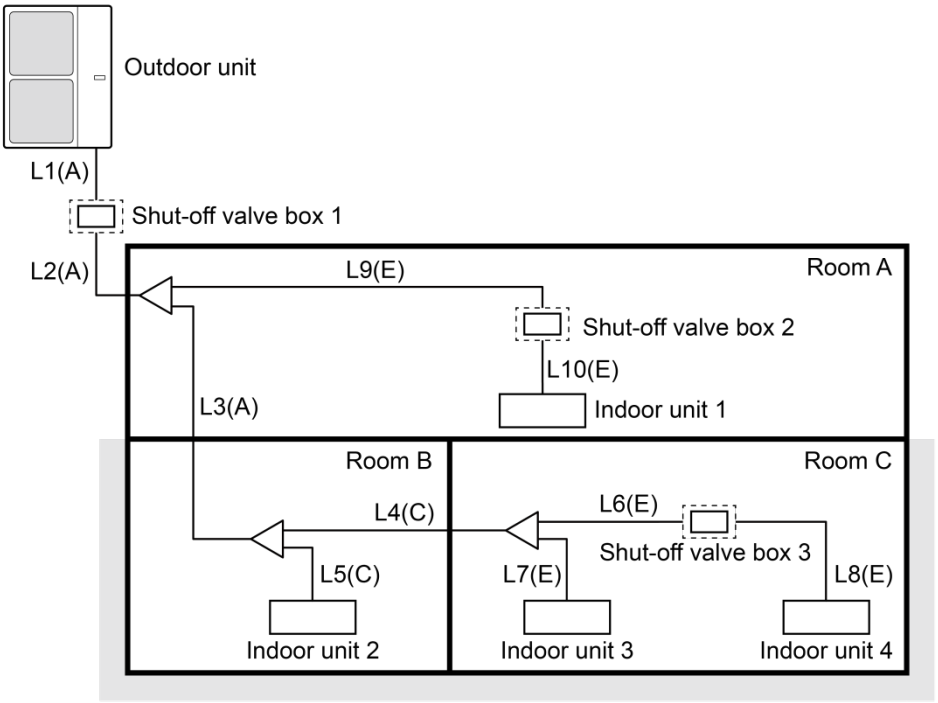
mc	2.40	2.60	2.80	3.00	3.20	3.40	3.60	3.80	4.00	4.20	4.40	4.60	4.80
m3	0.32	0.35	0.38	0.40	0.43	0.46	0.48	0.51	0.54	0.56	0.59	0.62	0.64
mc	5.00	5.20	5.40	5.60	5.80	6.00	6.20	6.40	6.60	6.80	7.00	7.20	7.40
m3	0.67	0.70	0.72	0.75	0.78	0.80	0.83	0.86	0.88	0.91	0.94	0.96	0.99
mc	7.60	7.80	8.00	8.20	8.40	8.60	8.80	9.00	9.20	9.40	9.60	9.80	10.00
m3	1.02	1.04	1.07	1.10	1.12	1.15	1.18	1.20	1.23	1.26	1.28	1.31	1.34
mc	10.20	10.40	10.60	10.80	11.00	11.20	11.40	11.60	11.80	12.00	12.20	12.40	12.60
m3	1.36	1.39	1.42	1.44	1.47	1.50	1.52	1.55	1.58	1.60	1.63	1.66	1.68

NOTE!

If the actual total refrigerant amount is not exactly equal to the value in the table, the higher value from the table need to be taken.

For example:

System with shut-off valve boxes.



There are four indoor units in the system:

IDU 1: GMV-ND36PHS/NhD-T

IDU 2: GMV-ND50PHS/NhD-T

IDU 3: GMV-ND36PHS/NhD-T

IDU 4: GMV-ND36PHS/NhD-T

The outdoor unit capacity is 16kw. The system refrigerant amount m_C is 10kg.

$$m_{rl}=\sum m_1+\sum m_2+m_3+0.924$$

For different indoor unit:

Step 1, calculate m_1

Indoor unit	Shut-off valve box	$\sum m_1$ (kg)	Remark
IDU 1	Box 2	0.94	IDU 1
IDU 2	Box 1	0.94+0.94+0.94+0.94=3.76	IDU 1+IDU 2+IDU 3+IDU 4
IDU 3			
IDU 4	Box 3	0.94	IDU 4

Step 2, calculate m_2

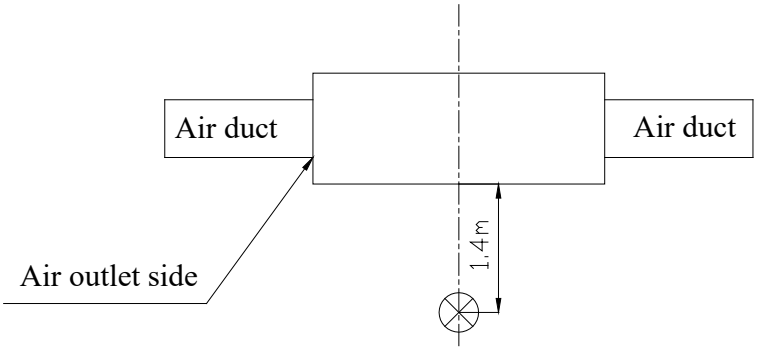
Indoor unit	Shut-off valve box	Type A pipeline		Type C pipeline		Type E pipeline		$\sum m_2$ (kg)
		Length (m)	m_2 (kg)	length (m)	m_2 (kg)	length (m)	m_2 (kg)	
IDU 1	Box 2	0	0	0	0	L10=5	0.11	0.11
IDU 2	Box 1	L2+L3 =10	0.61	L4+L5 =10	0.26	L6+L7+L8+L9+L10 =25	0.55	1.42
IDU 3								
IDU 4	Box 3	0	0	0	0	L8=5	0.11	0.11

Step 3, calculate m_{rl}

Indoor unit	m_C (kg)	$\sum m_1$ (kg)	$\sum m_2$ (kg)	m_3 (kg)	m_{rl} (kg)
IDU 1	10	0.94	0.11	1.34	0.94+0.11+1.34+0.924=3.314
IDU 2		3.76	1.42	1.34	3.76+1.42+1.34+0.924=7.444
IDU 3					
IDU 4		0.94	0.11	1.34	0.94+0.11+1.34+0.924=3.314

4. Unit Noise Curves

4.1 Noise Curves Testing Method of Duct Type Indoor Unit



Transandient meter of sound level meter

NOTES!

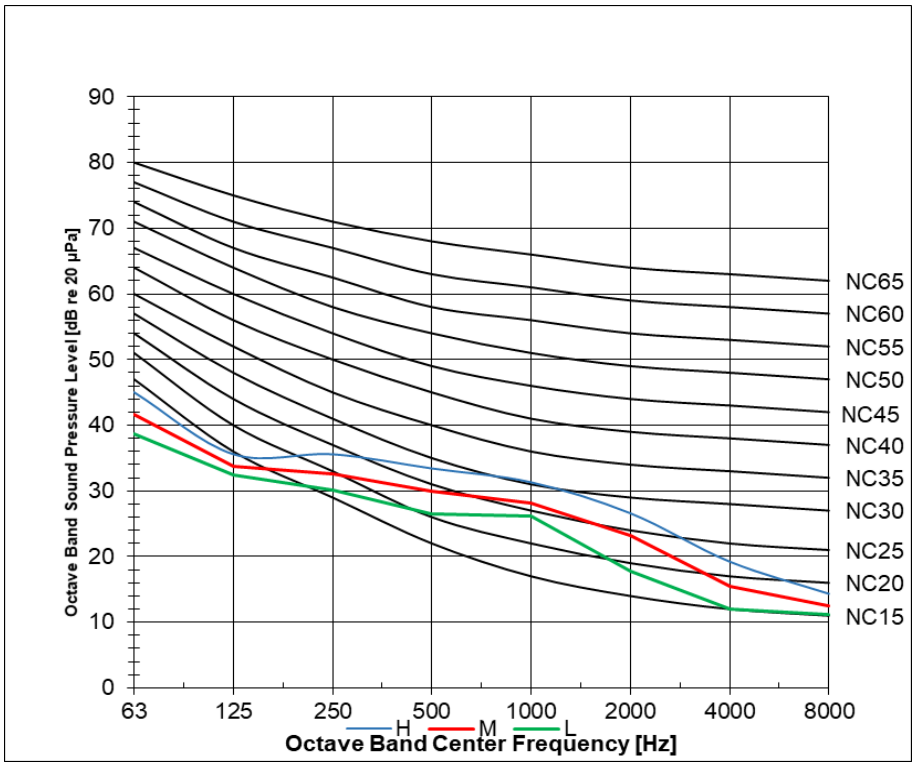
① The noise level is measured in the semi-anechoic room. It will be slightly higher due to change of the environment during actual operation.

② The noise level is measured under the standard test condition.

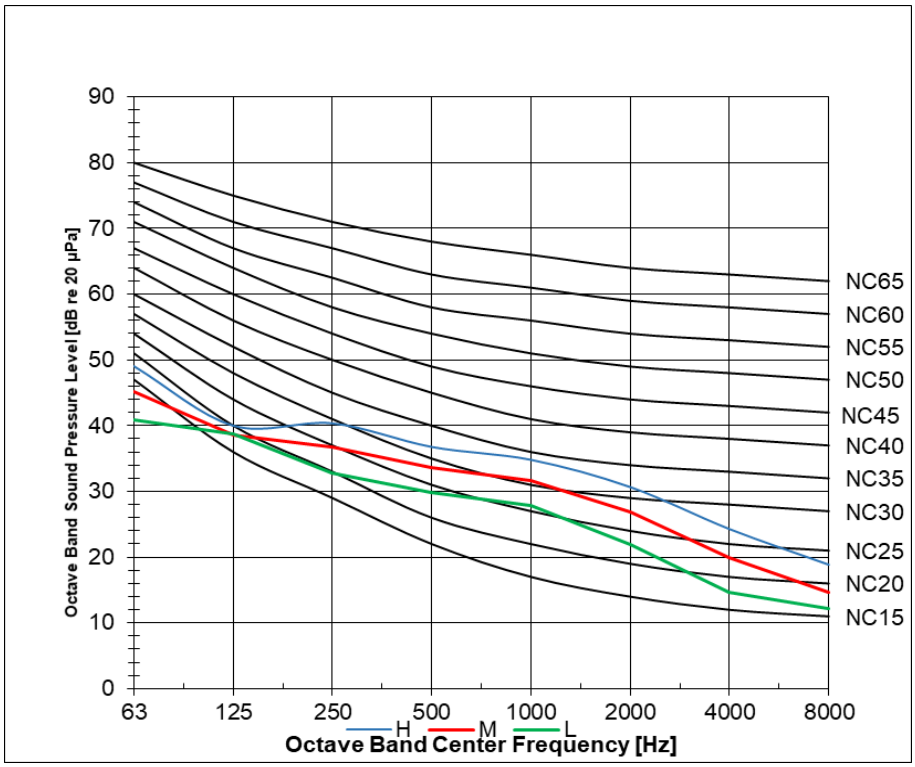
③ The noise level is measured under the condition of rear air return.

4.1.1 Super High Static Pressure Duct Indoor Unit

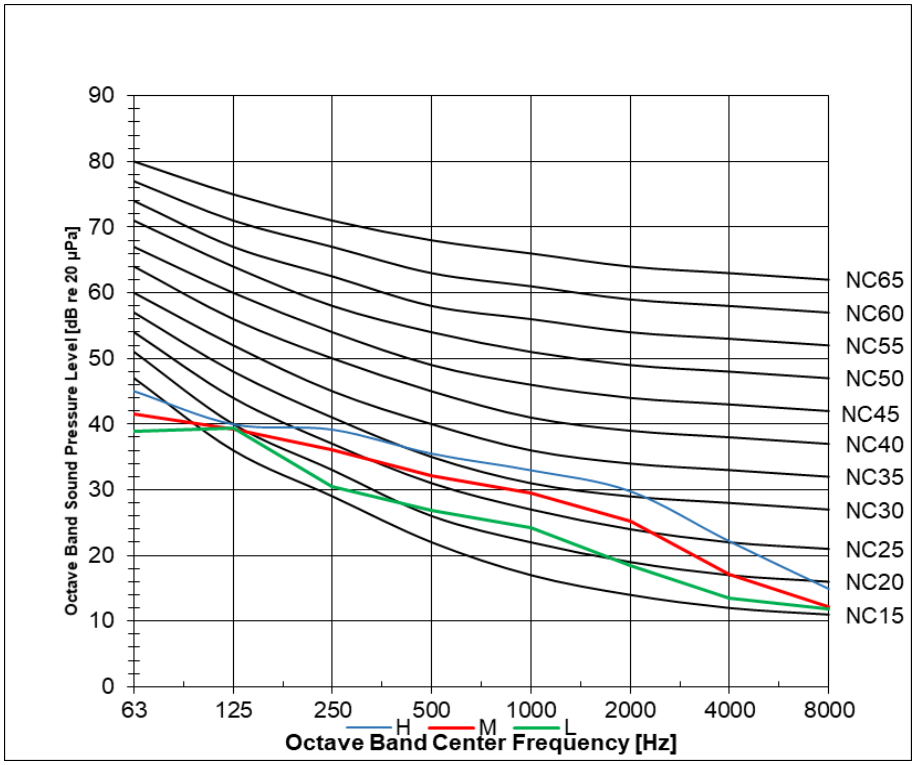
GMV-ND22~36PHS/NhD-T



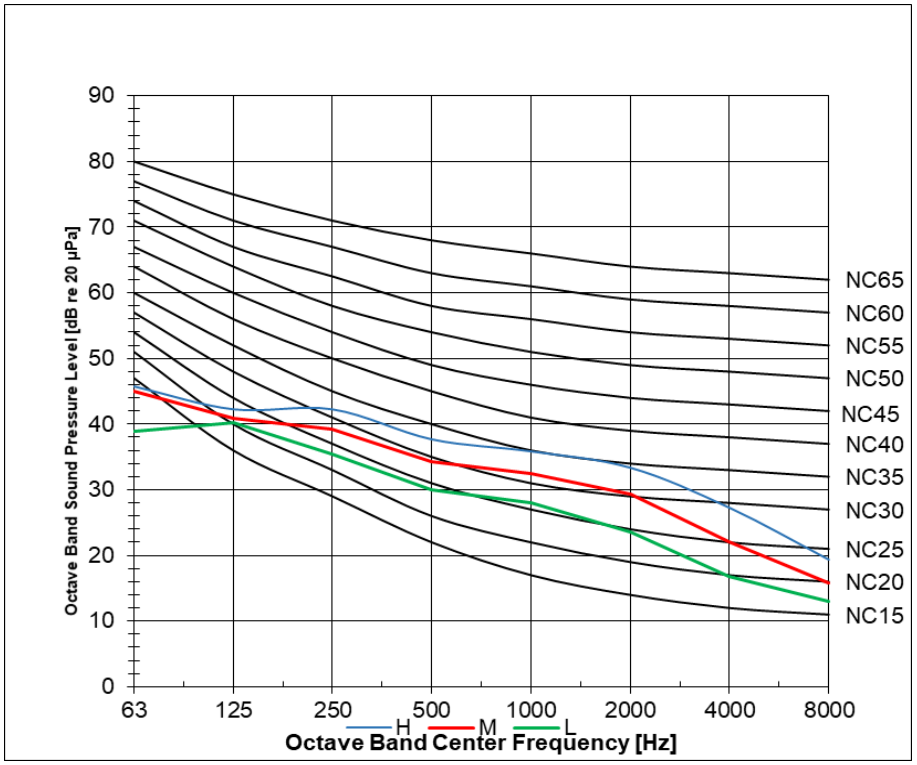
GMV-ND40~50PHS/NhD-T



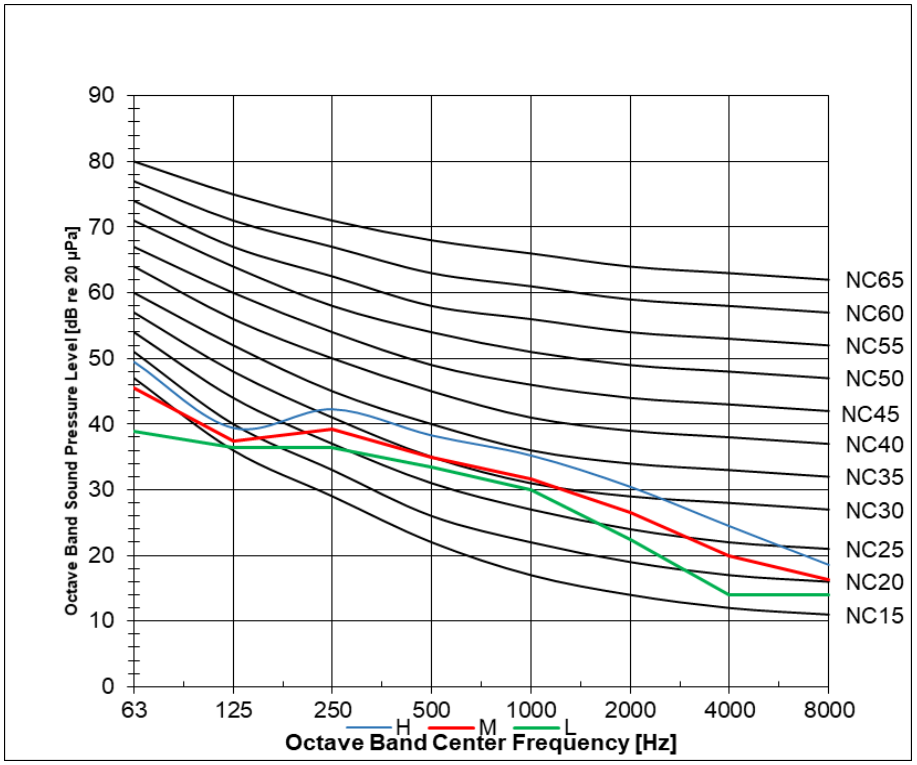
GMV-ND56~63PHS/NhD-T



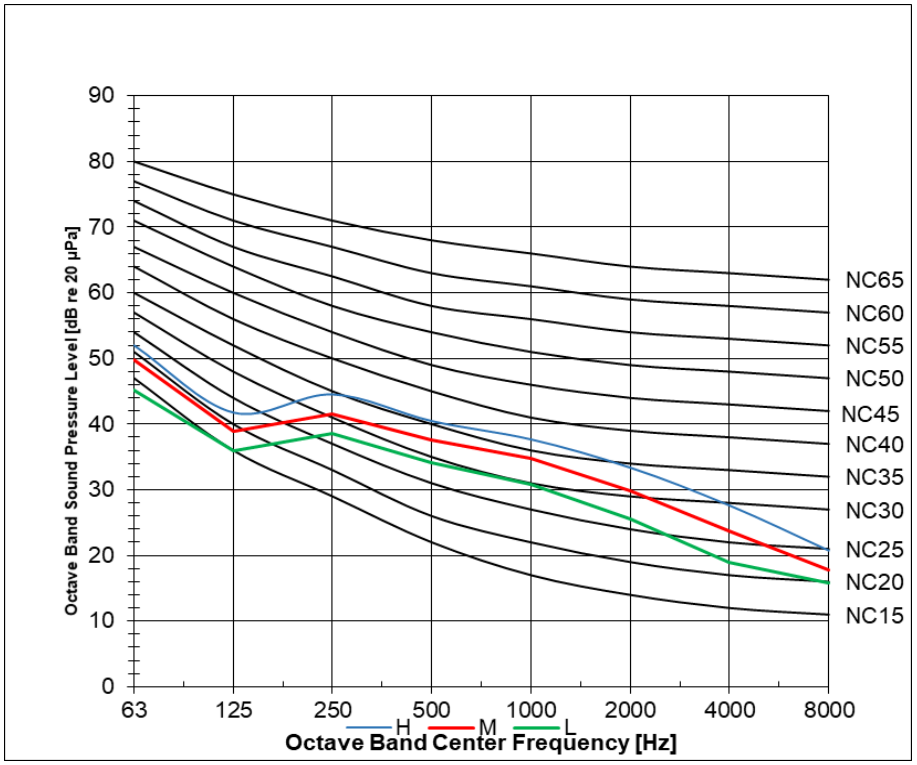
GMV-ND71~80PHS/NhD-T



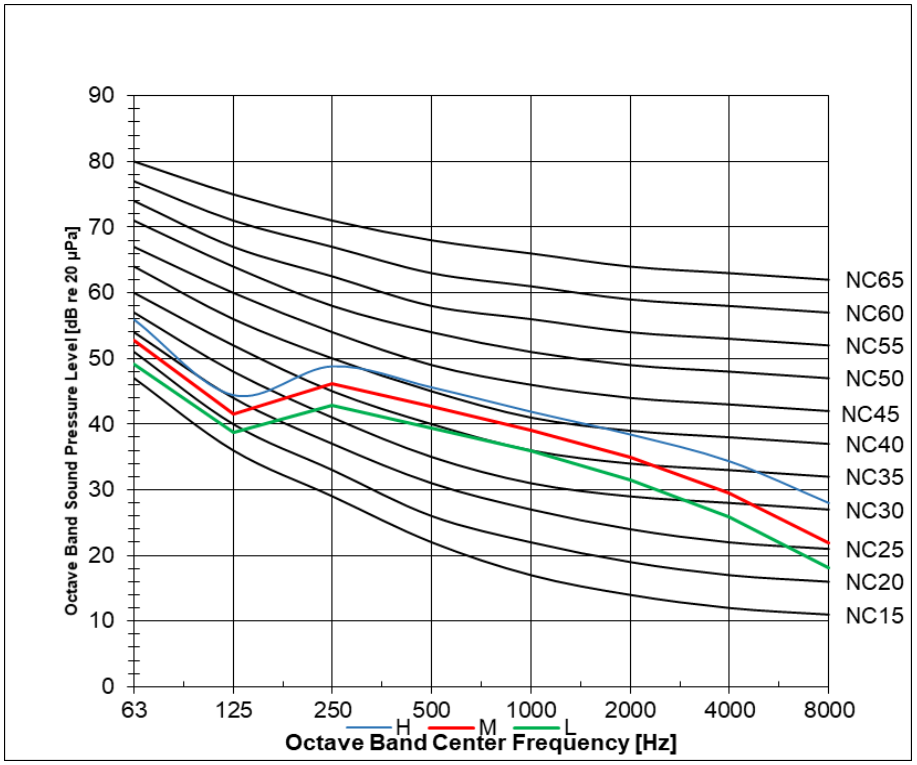
GMV-ND90~100PHS/NhD-T



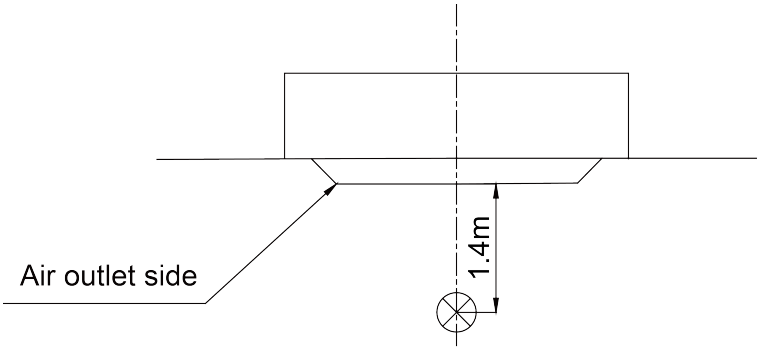
GMV-ND112~125PHS/NhD-T



GMV-ND125~140PHS/NhD-T



4.2 Noise Curves Testing Method of Non-Duct Type Indoor Unit



Transaudient meter of sound level meter

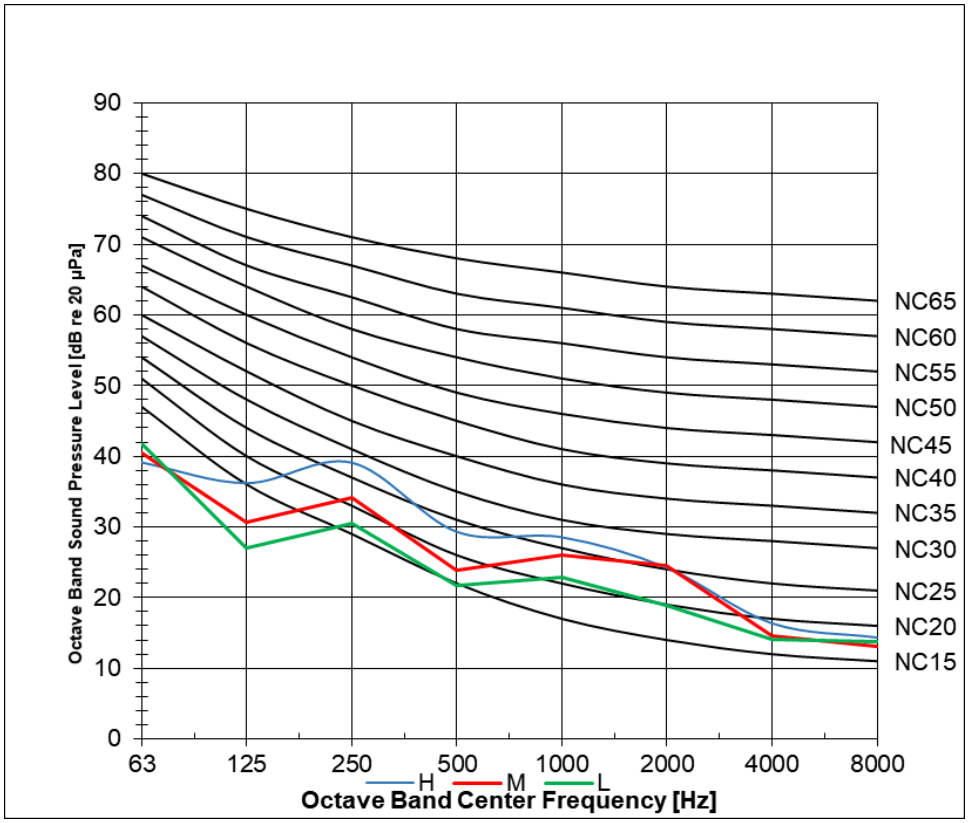
NOTES!

① The noise level is measured in the semi-anechoic room. It will be slightly higher due to change of the environment during actual operation.

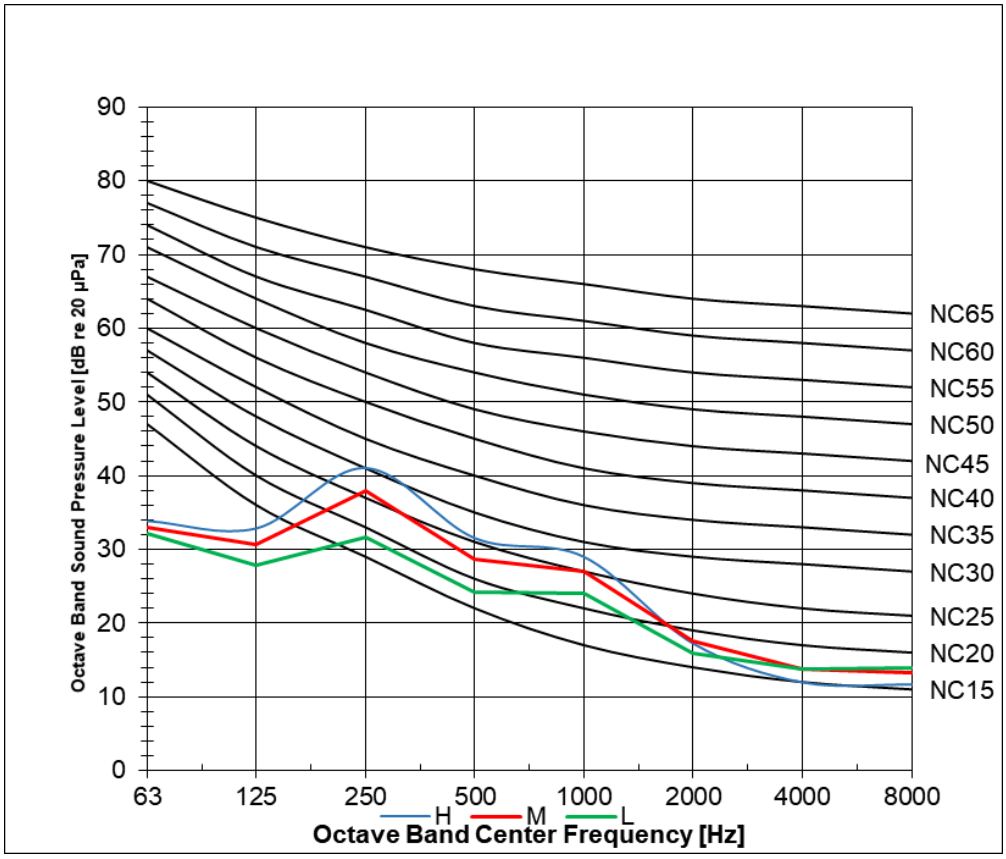
② The noise level is measured under the standard test condition.

4.2.1 360°Air Discharge Cassette Indoor Unit

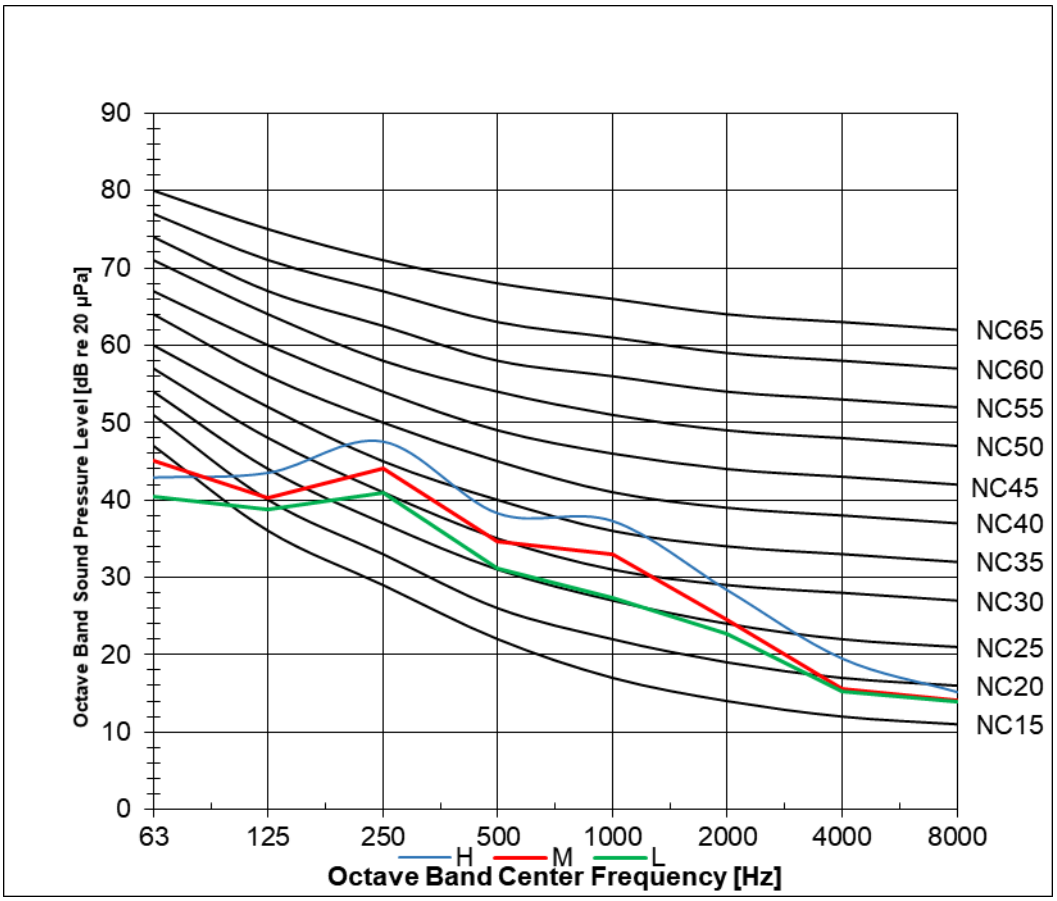
GMV-ND22~36T/NhD1-T



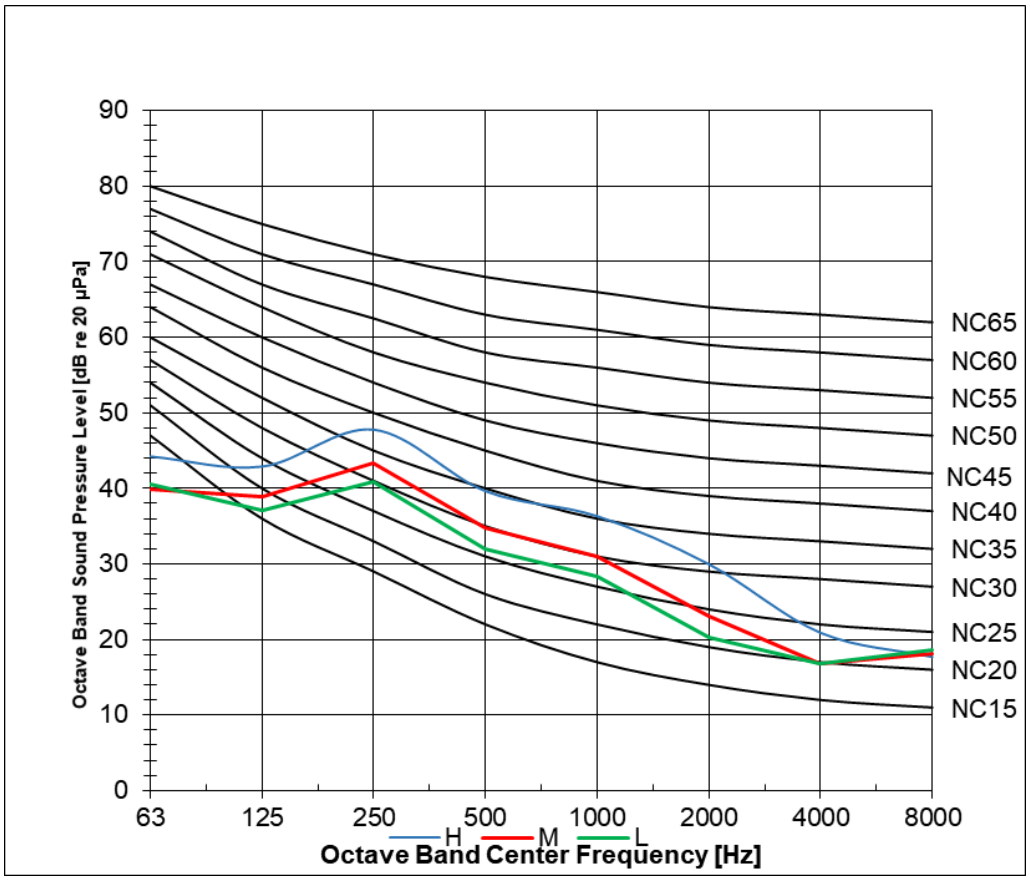
GMV-ND45~50T/NhD1-T



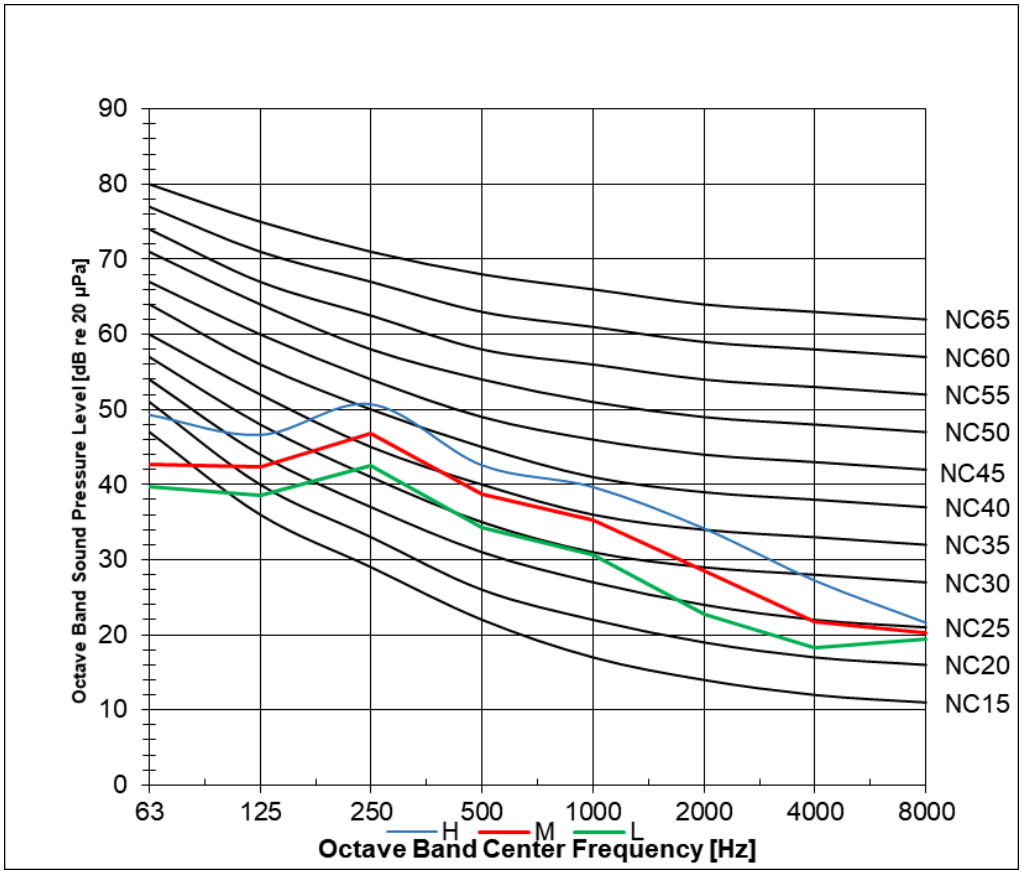
GMV-ND80T/NhD1-T



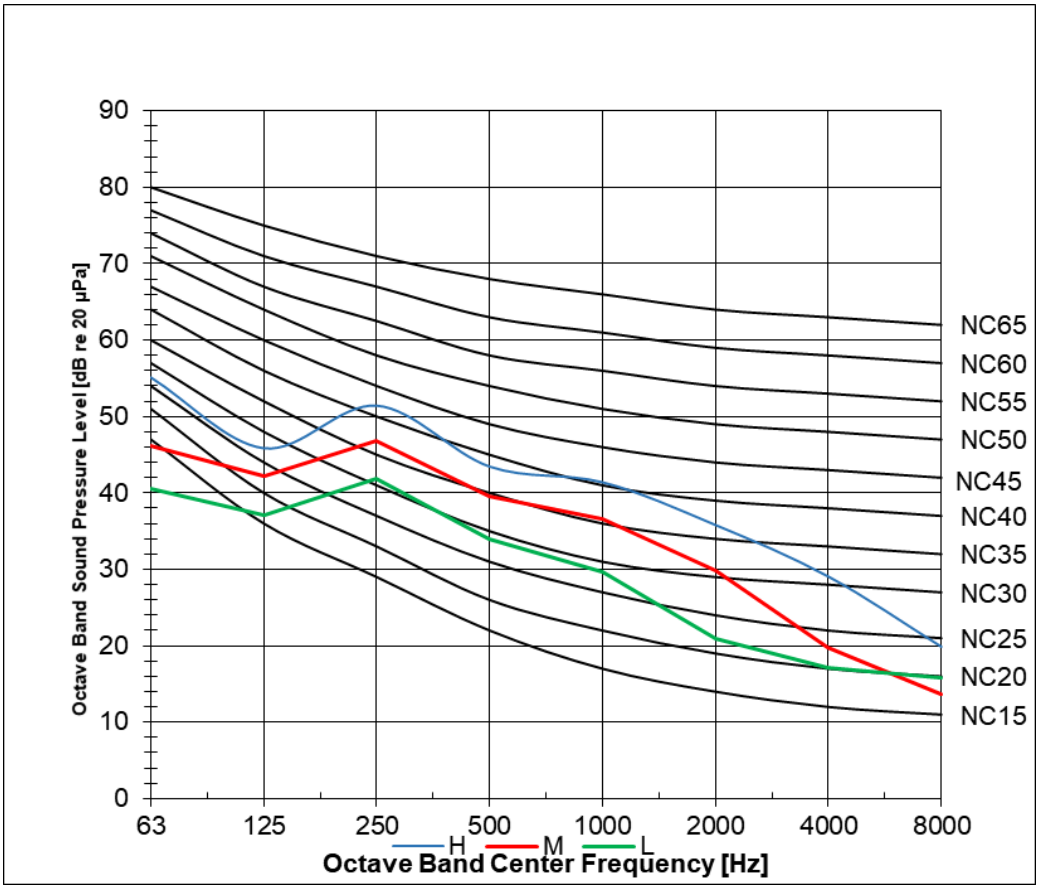
GMV-ND90T/NhD1-T



GMV-ND100~112T/NhD1-T

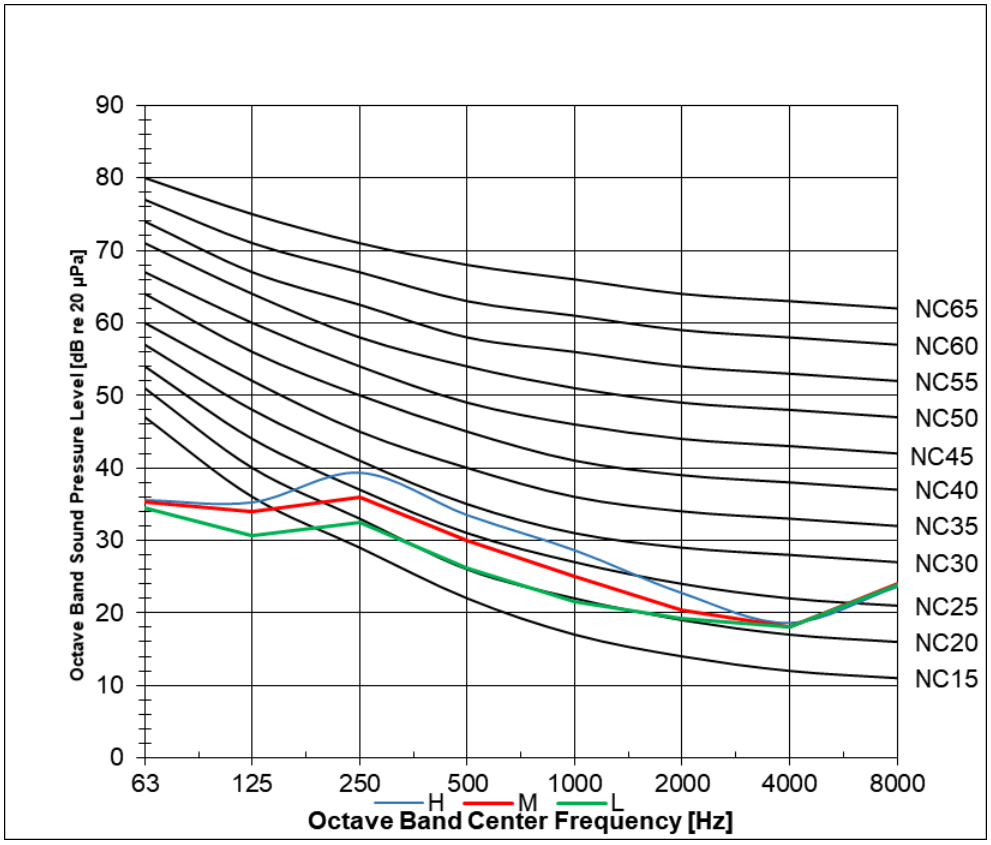


GMV-ND125~140T/NhD1-T

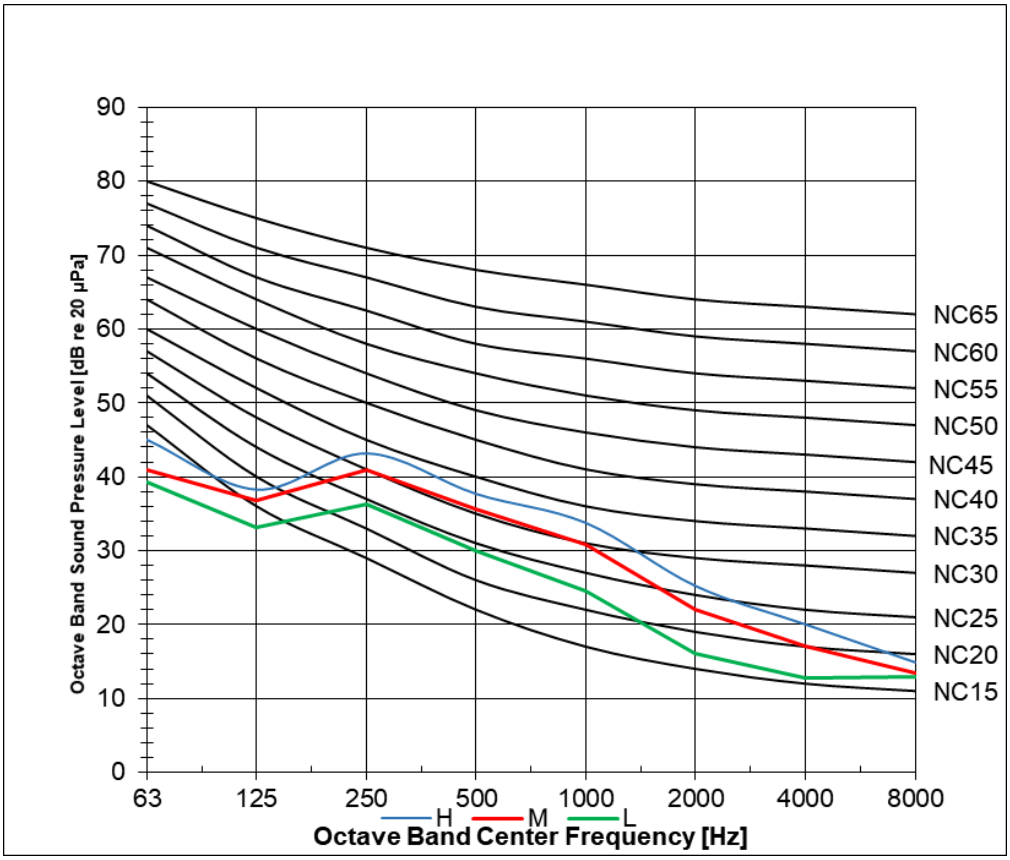


4.2.2 360°Air Discharge Compact Cassette Indoor Unit.

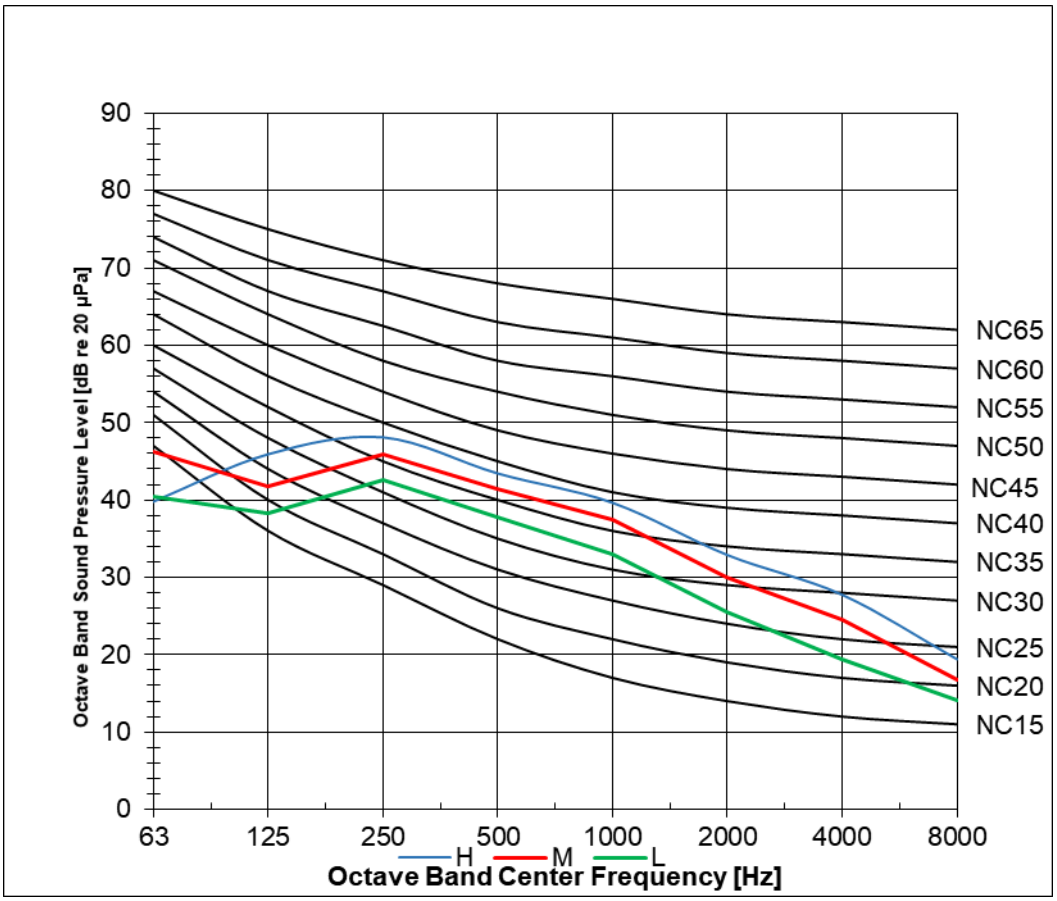
GMV-15~22T/NhE-T



GMV-28~45T/NhE-T

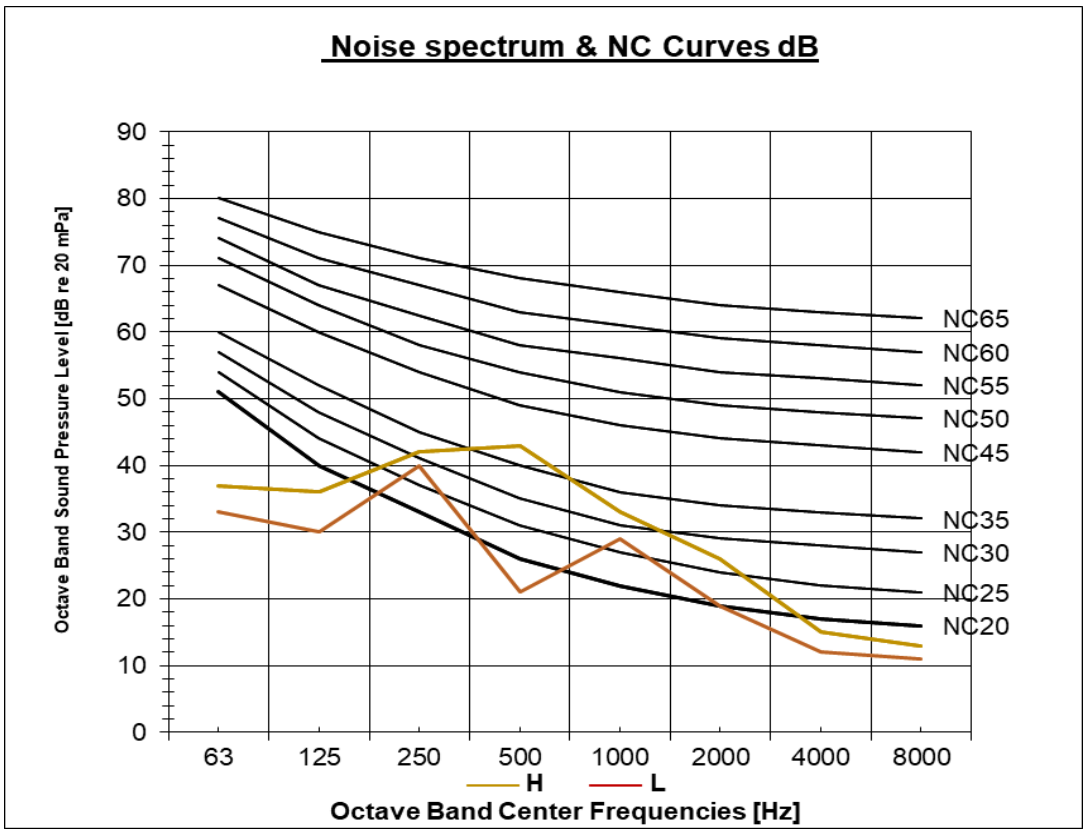


GMV-50~71T/NhE-T

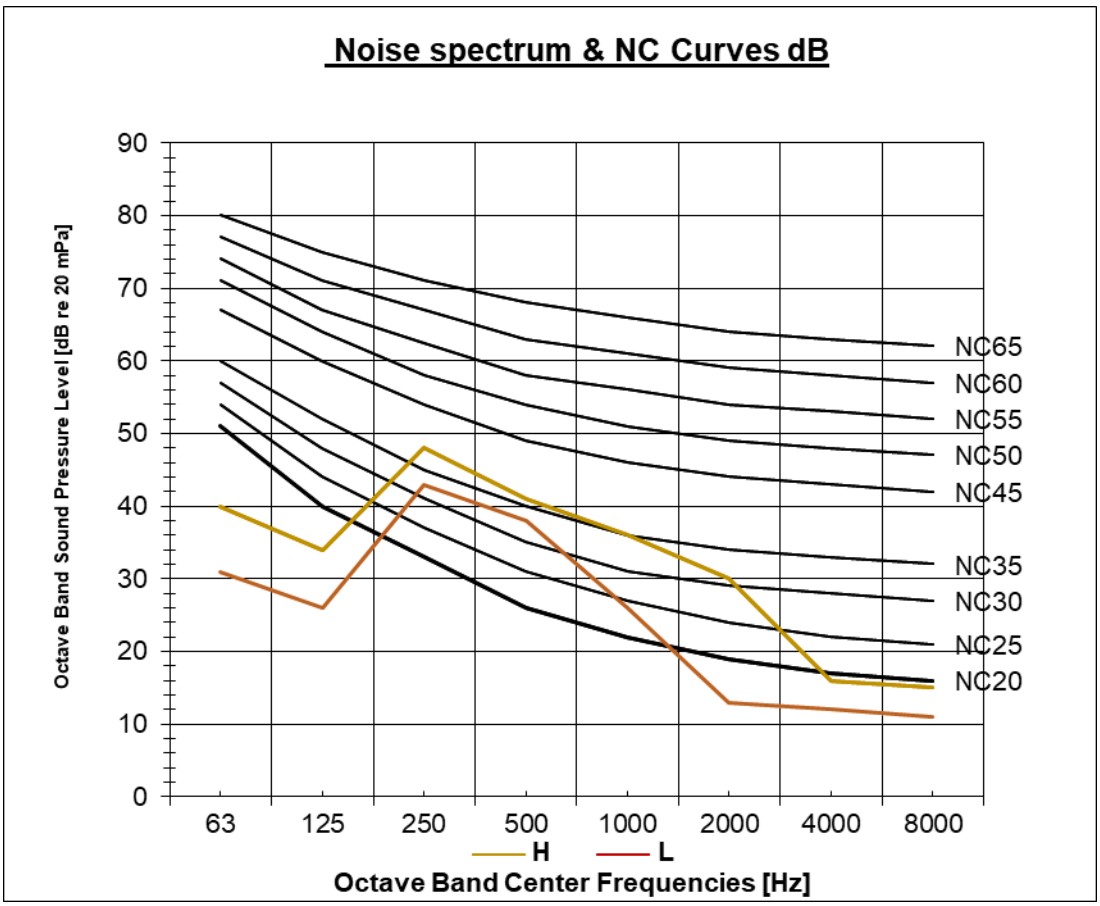


4.2.3 Wall Mounted Type Indoor Unit

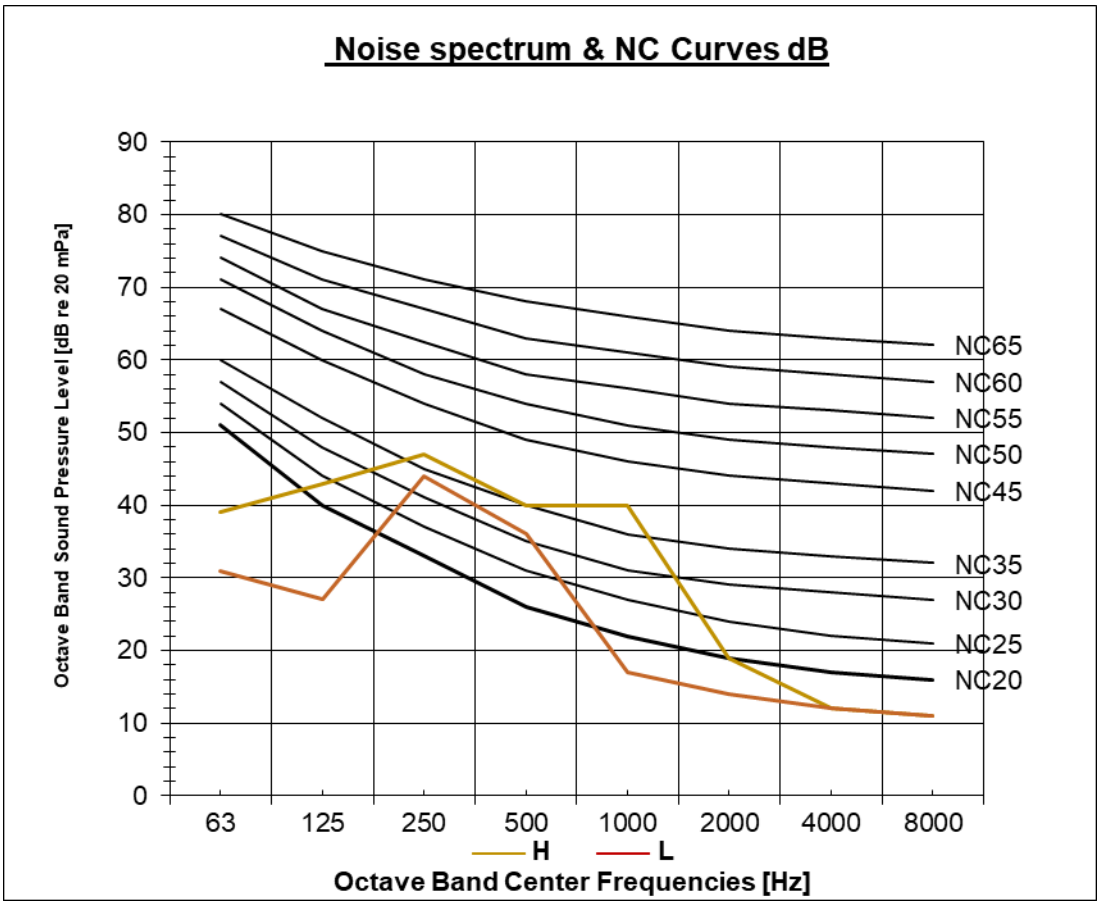
GMV-ND15G/NhA1C-T, GMV-ND18G/NhA1C-T, GMV-ND22G/NhA1C-T, GMV-ND28G/NhA1C-T



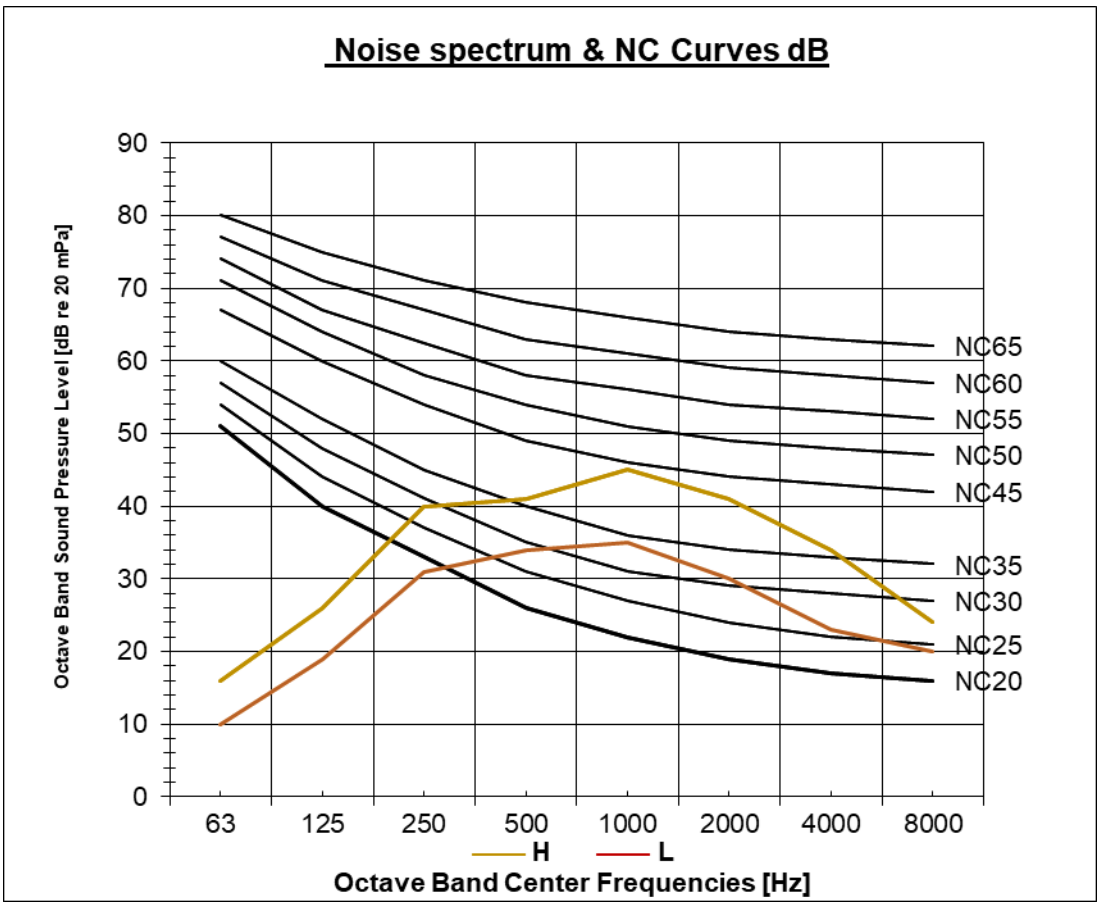
GMV-ND36G/NhA1C-T, GMV-ND45G/NhA1C-T, GMV-ND50G/NhA1C-T.



GMV-ND56G/NhA1C-T, GMV-ND63G/NhA1C-T, GMV-ND71G/NhA1C-T



GMV-ND80G/NhA1C-T, GMV-ND90G/NhA1C-T, GMV-ND100G/NhA1C-T

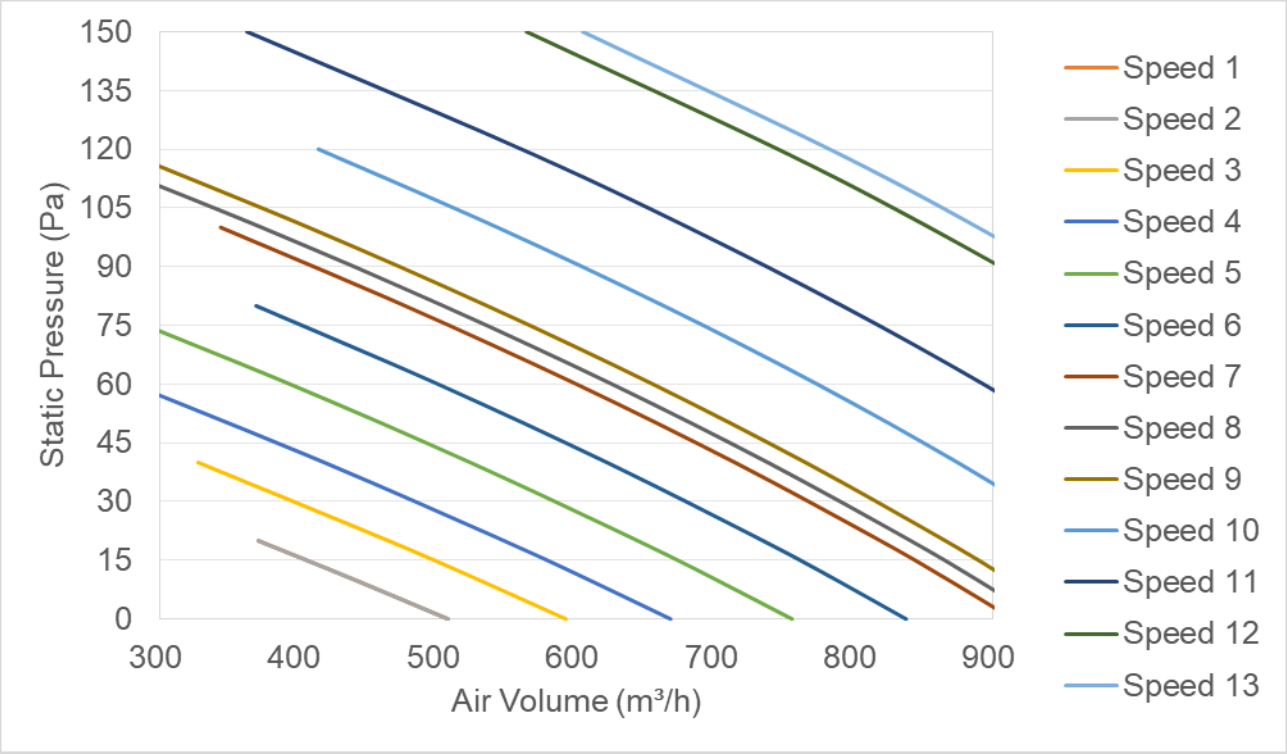


5. Fan Characteristics

5.1 Super High ESP Duct Indoor Unit

GMV-ND22~36PHS/NhD-T

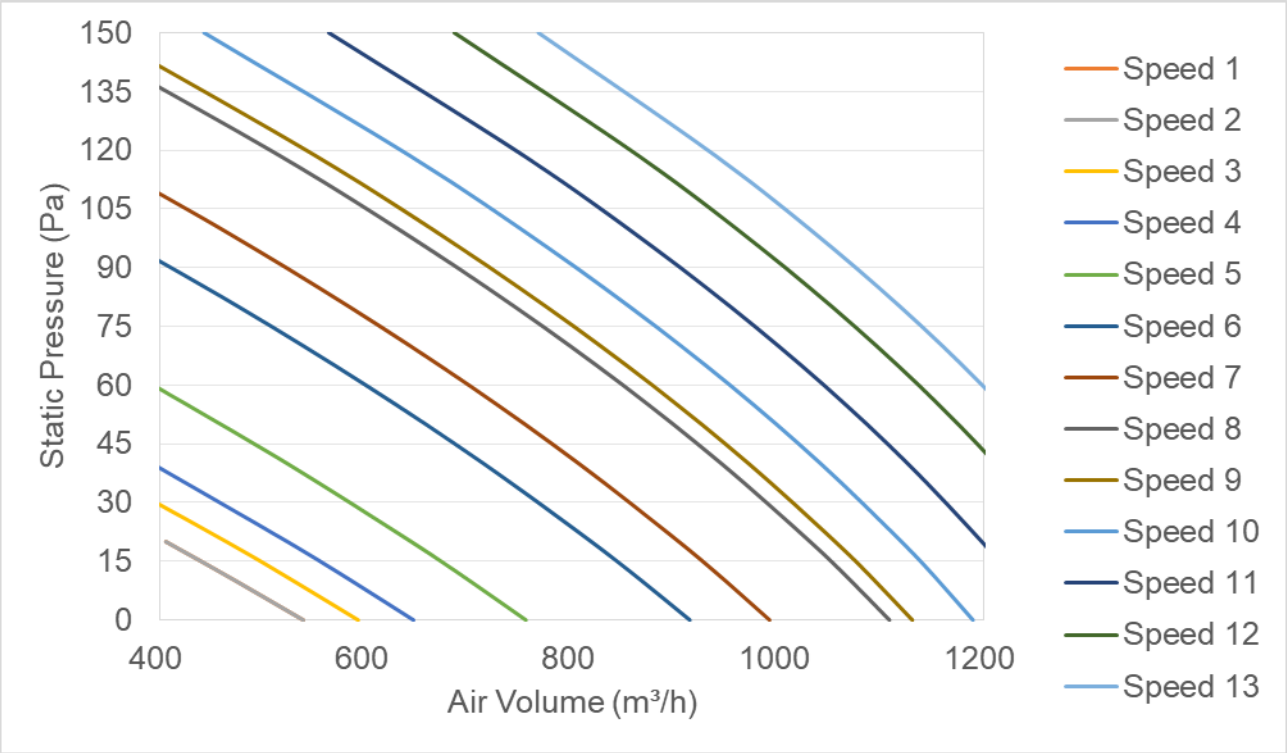
Model	GMV-ND22~36PHS/NhD-T								
Level	Static Pressure (Pa)								
	0	10	20	40	60	80	100	120	150
Speed 1	508	441	371						
Speed 2	508	441	371						
Speed 3	593	530	465	328					
Speed 4	668	609	548	419	280				
Speed 5	755	701	644	524	394	255			
Speed 6	837	787	734	622	500	369			
Speed 7	914	868	819	714	600	477	344		
Speed 8	934	889	841	738	626	504	374	234	
Speed 9	957	913	866	765	655	536	407	270	
Speed 10	1049	1009	966	875	773	663	543	414	
Speed 11	1142	1106	1068	985	893	792	681	561	363
Speed 12	1261	1230	1198	1126	1045	954	854	745	564
Speed 13	1284	1255	1224	1154	1075	987	889	782	605



Note: The design range of the units air volume is from 420~600 m^3/h. The units would be damaged if they are used out of range.

GMV-ND40~50PHS/NhD-T

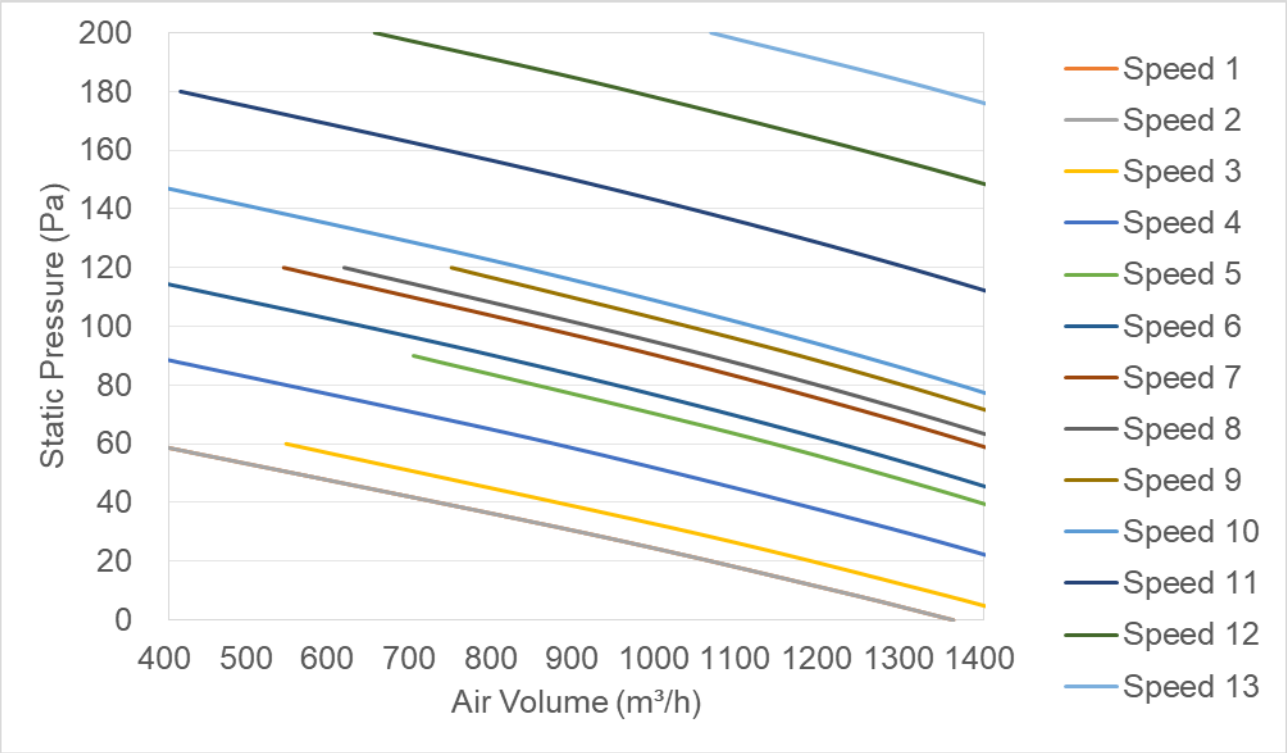
Model	GMV-ND40~50PHS/NhD-T								
Level	Static Pressure (Pa)								
	0	10	20	40	60	80	100	120	150
Speed 1	539	474	406						
Speed 2	539	474	406						
Speed 3	593	530	465	328					
Speed 4	646	586	524	392					
Speed 5	755	701	644	524	394				
Speed 6	914	868	819	714	600	477	344		
Speed 7	992	949	904	807	700	584	459	325	
Speed 8	1108	1071	1031	945	850	745	631	507	305
Speed 9	1130	1094	1056	971	878	775	663	542	343
Speed 10	1189	1156	1120	1041	953	856	750	634	443
Speed 11	1261	1230	1198	1126	1045	954	854	745	564
Speed 12	1333	1306	1277	1211	1137	1053	959	857	686
Speed 13	1381	1356	1329	1268	1198	1119	1030	932	767



Note: The design range of the units air volume is from 600~850 m^3/h. The units would be damaged if they are used out of range.

GMV-ND56~63PHS/NhD-T

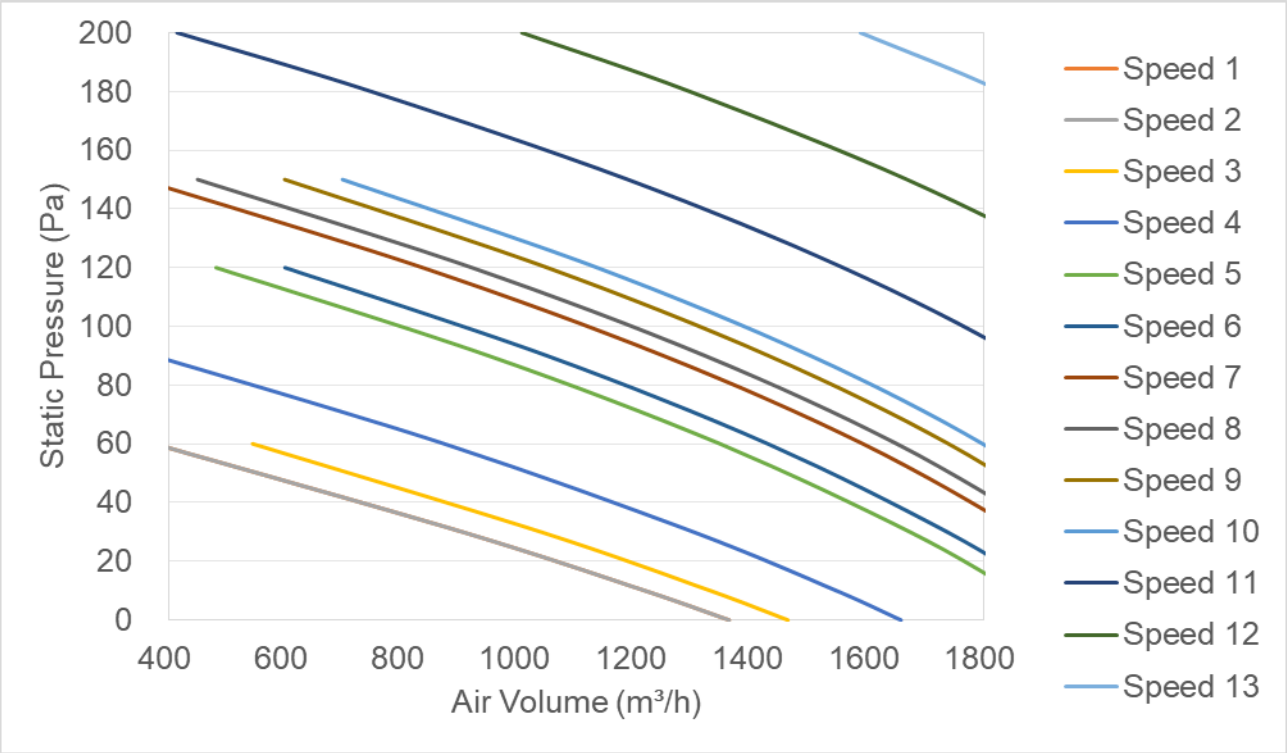
Model	GMV-ND56~63PHS/NhD-T								
Level	Static Pressure (Pa)								
	0	10	30	60	90	120	150	180	200
Speed 1	1362	1218	904	375					
Speed 2	1362	1218	904	375					
Speed 3	1463	1330	1039	544					
Speed 4	1657	1546	1301	874	375				
Speed 5	1812	1720	1512	1142	700				
Speed 6	1858	1772	1576	1223	800	305			
Speed 7	1951	1877	1705	1388	1000	541			
Speed 8	1980	1909	1745	1439	1063	615			
Speed 9	2030	1966	1816	1530	1174	747			
Speed 10	2063	2004	1862	1591	1248	834	349		
Speed 11	2237	2203	2111	1914	1645	1306	896	415	
Speed 12	2384	2372	2326	2196	1995	1724	1381	968	653
Speed 13	2481	2485	2469	2387	2234	2010	1715	1349	1065



Note: The design range of the units air volume is from 700~1000 m^3/h. The units would be damaged if they are used out of range.

GMV-ND71~80PHS/NhD-T

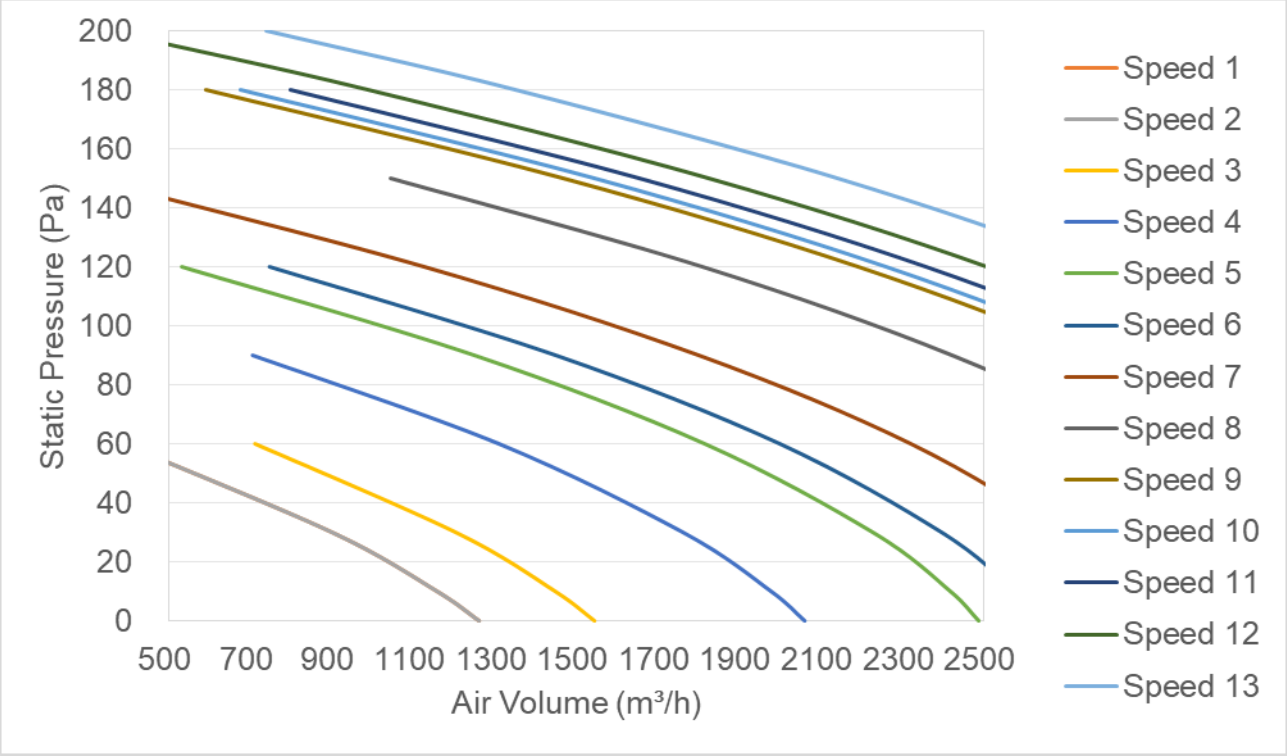
Model	GMV-ND71~80PHS/NhD-T								
Level	Static Pressure (Pa)								
	0	10	30	60	90	120	150	180	200
Speed 1	1362	1218	904						
Speed 2	1362	1218	904						
Speed 3	1463	1330	1039						
Speed 4	1657	1546	1301	874					
Speed 5	1928	1851	1673	1347	950				
Speed 6	1974	1903	1737	1429	1050	600			
Speed 7	2064	2005	1863	1592	1250	836			
Speed 8	2096	2041	1908	1650	1321	921			
Speed 9	2144	2096	1977	1739	1430	1050	599		
Speed 10	2175	2132	2022	1798	1502	1136	699		
Speed 11	2326	2306	2241	2084	1857	1558	1188	748	
Speed 12	2467	2469	2449	2360	2200	1970	1668	1295	1007
Speed 13	2597	2622	2647	2626	2534	2370	2136	1831	1588



Note: The design range of the units air volume is from 950~1250 m^3/h. The units would be damaged if they are used out of range.

GMV-ND90~100PHS/NhD-T

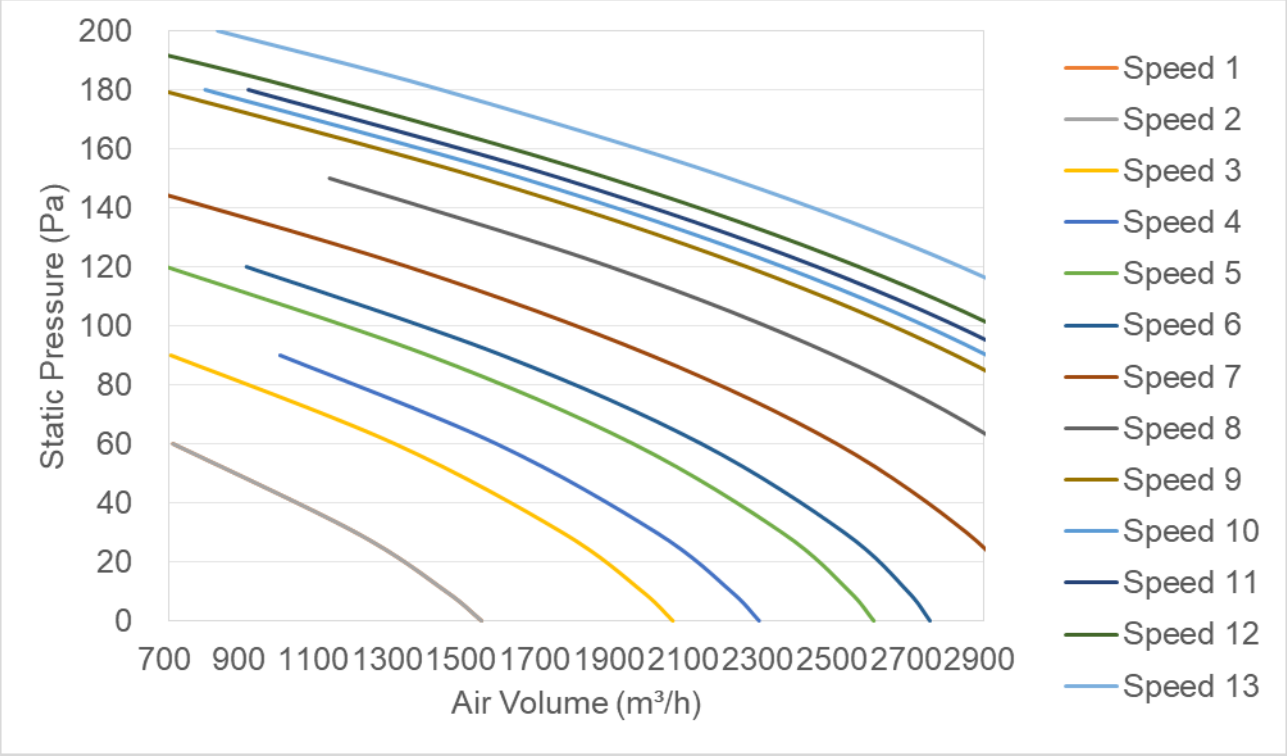
Model	GMV-ND90~100PHS/NhD-T								
Level	Static Pressure (Pa)								
	0	10	30	60	90	120	150	180	200
Speed 1	1262	1159	901	388					
Speed 2	1262	1159	901	388					
Speed 3	1545	1448	1205	712					
Speed 4	2060	1978	1762	1310	706				
Speed 5	2487	2417	2227	1815	1250	532			
Speed 6	2640	2576	2396	1999	1450	747			
Speed 7	2903	2848	2688	2320	1800	1127	301		
Speed 8	3342	3308	3188	2881	2422	1809	1044		
Speed 9	3559	3539	3446	3181	2762	2191	1468	591	
Speed 10	3595	3577	3490	3233	2823	2260	1544	676	
Speed 11	3643	3629	3551	3306	2908	2357	1654	799	
Speed 12	3710	3703	3638	3414	3037	2507	1825	989	348
Speed 13	3799	3807	3772	3593	3262	2777	2140	1351	740



Note: The design range of the units air volume is from1250~1800 m^3/h. The units would be damaged if they are used out of range.

GMV-ND112~125PHS/NhD-T

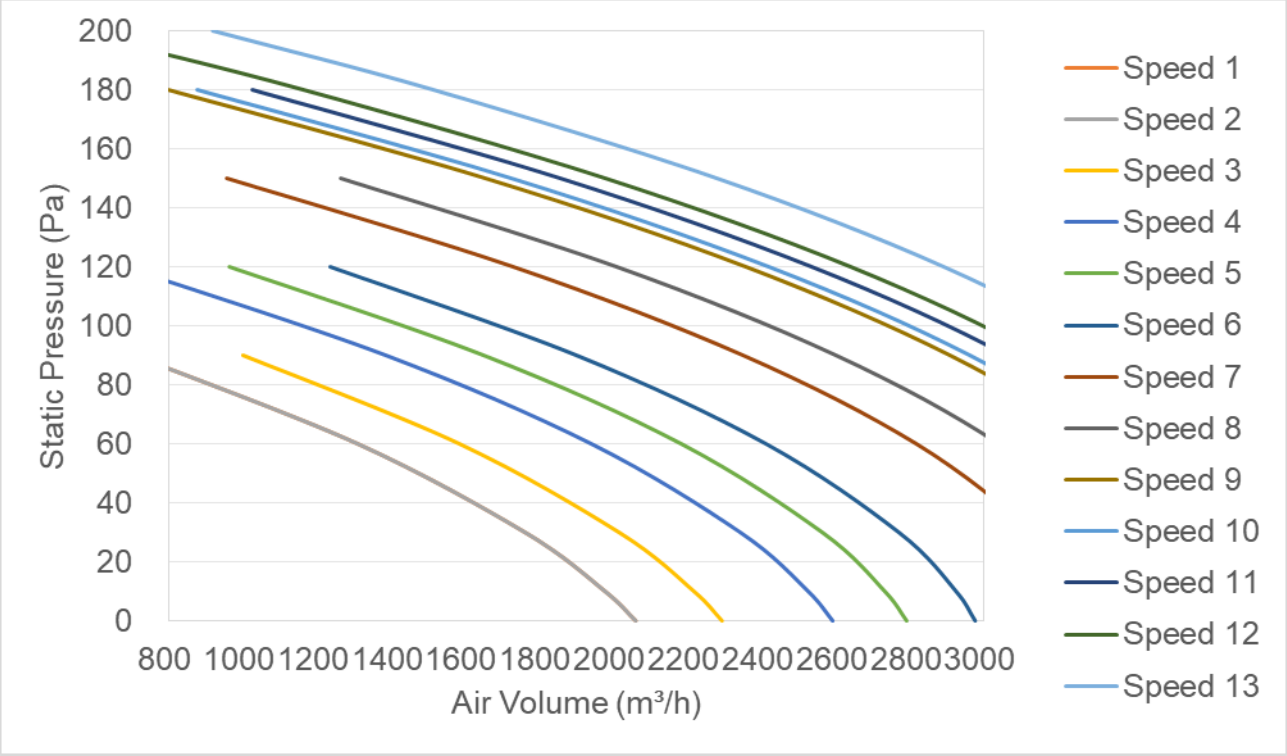
Model	GMV-ND112~125PHS/NhD-T								
Level	Static Pressure (Pa)								
	0	10	30	60	90	120	150	180	200
Speed 1	1545	1448	1205	712					
Speed 2	1545	1448	1205	712					
Speed 3	2060	1978	1762	1310	706				
Speed 4	2293	2217	2015	1584	1001				
Speed 5	2602	2537	2354	1953	1400	694			
Speed 6	2754	2694	2522	2137	1600	910			
Speed 7	3049	3000	2852	2502	2000	1345	538		
Speed 8	3391	3359	3245	2946	2495	1891	1134		
Speed 9	3595	3577	3490	3233	2823	2260	1544	676	
Speed 10	3643	3629	3551	3306	2908	2357	1654	799	
Speed 11	3685	3675	3605	3372	2987	2449	1758	915	
Speed 12	3732	3728	3669	3452	3084	2562	1888	1061	425
Speed 13	3809	3821	3795	3629	3309	2837	2213	1435	832



Note: The design range of the units air volume is from1400~2000 m^3/h. The units would be damaged if they are used out of range.

GMV-ND140PHS/NhD-T

Model	GMV-ND140PHS/NhD-T								
Level	Static Pressure (Pa)								
	0	10	30	60	90	120	150	180	200
Speed 1	2060	1978	1762	1310	706				
Speed 2	2060	1978	1762	1310	706				
Speed 3	2293	2217	2015	1584	1001				
Speed 4	2591	2525	2342	1940	1386	679			
Speed 5	2791	2732	2563	2183	1650	964			
Speed 6	2976	2924	2770	2411	1900	1236			
Speed 7	3294	3257	3132	2817	2350	1730	957		
Speed 8	3459	3432	3326	3039	2600	2009	1264		
Speed 9	3643	3629	3551	3306	2908	2357	1654	799	
Speed 10	3672	3661	3588	3351	2961	2419	1724	877	
Speed 11	3721	3716	3654	3433	3060	2535	1857	1026	
Speed 12	3760	3760	3709	3505	3149	2640	1978	1164	536
Speed 13	3813	3830	3812	3658	3351	2891	2279	1514	919



Note: The design range of the units air volume is from1650~2350 m^3/h. The units would be damaged if they are used out of range.

6. Unit Installation Requirements

6.1 Precautions on the Indoor Unit Design

(1) All phases of this installation must conform to NATIONAL, STATE AND LOCAL CODES. If it is required for additional information, please contact your local distributor.

(2) LEAK DETECTION SYSTEM installed. Unit must be powered except for service.

(3) Ducts connected to an appliance shall not contain a potential ignition source.

(4) Keep any required ventilation openings clear of obstruction.

(5) Precautions shall be taken to avoid excessive vibration or pulsation to refrigerating piping.

(6) Protection devices, piping and fittings shall be protected as far as possible against adverse environmental effects, for example the danger of water collecting and freezing in relief pipes or the accumulation of dirt and debris.

(7) Piping in refrigerating systems shall be so designed and installed as to minimize the likelihood of hydraulic shock damaging the system.

(8) Steel pipes and components shall be protected against corrosion with a rustproof coating before applying any insulation.

(9) Only auxiliary devices approved by the appliance manufacturer or declared suitable with the refrigerant shall be installed in connecting ductwork.

(10) Only auxiliary devices approved by the appliance manufacturer or declared suitable with the refrigerant shall be installed in connecting ductwork.

(11) Do NOT install operating ignition sources (example: open flames, an operating gas appliance or an operating electric heater) in the duct work.

(12) Air inlet AND outlet are connected directly to the same room by ducting. Do NOT use spaces such as a false ceiling as a duct for the air inlet or outlet.

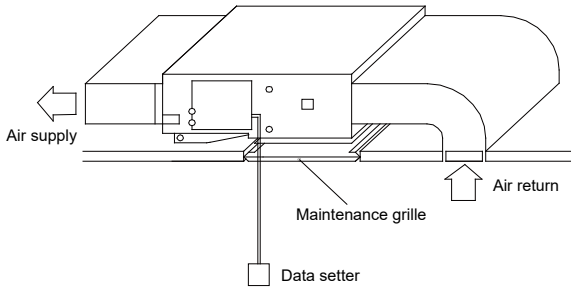
(13) No auxiliary devices, which may be a potential ignition source, are installed in the duct work (example: hot surfaces with a temperature exceeding 700°C and electric switching device).

The following aspects must be specially noted in consideration of the indoor unit location:

(1) The location should satisfy the optimal airflow organization for air conditioner in the actual project, and implement the most uniform distribution of temperature.

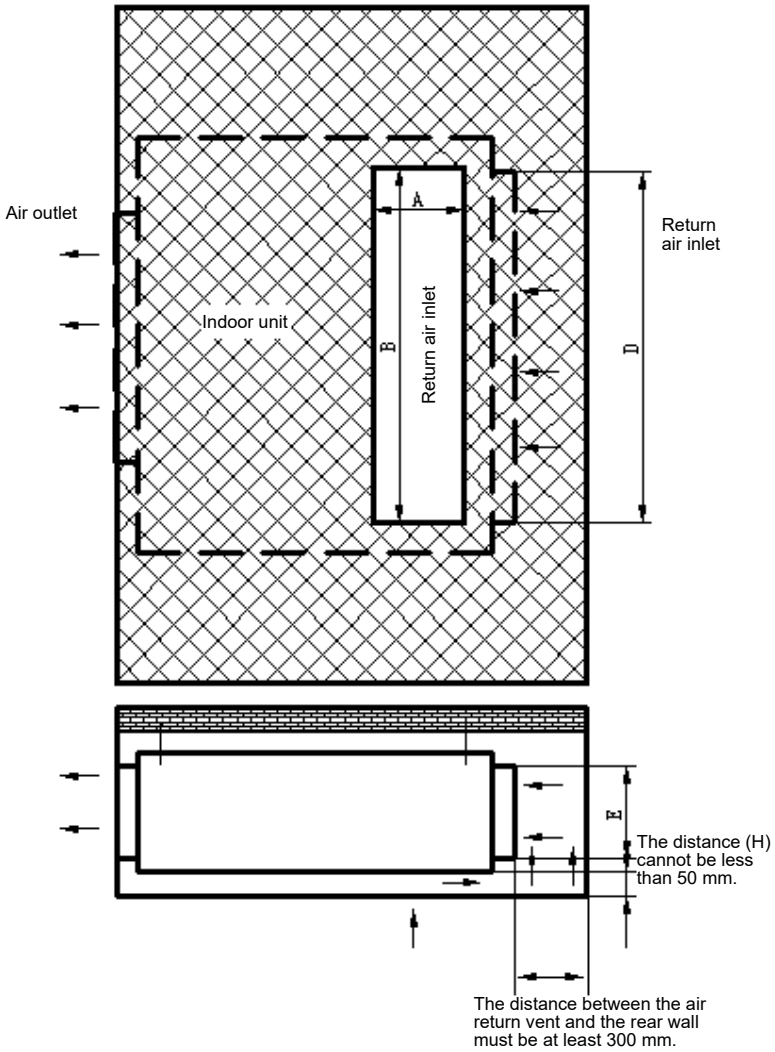
(2) Avoid mixed use of air ducts for air supply and air return in different air conditioning areas.

(3) Rear air return is more recommended for lower noise of air return of the unit.



(4) When the rear air return mode is adopted, the distance from the return air duct to the back wall is at least more than 300mm.

(5) When the rear air return way is adopted, the distance between the bottom of the unit to the false ceiling is more than 50mm and the effective air return area of the false ceiling(S2) should not less than air return area of the unit(S1).



Air return area of the unit: S1 = D×E

Air return vent circumference of the ceiling: L = 2×(A+B)

Effective air return area of the ceiling: S2 = L×H

S2 cannot be smaller than S1. The distance H between the ceiling and the unit cannot be smaller than 50 mm.

(6) No barrier blocking air flow should exist at the air inlet or outlet of the indoor unit. The indoor unit should be installed at a position 2.3 m higher than the floor.

(7) For the indoor unit with the rated Cooling capacity greater than 5.6 kW, an air supply duct should be additionally added, and the air duct and air outlet should be set properly to reduce noises.

(8) A sufficient maintenance space should be reserved in locating the unit.

6.2 About the refrigerant leakage sensor

(1) The R32 refrigerant leakage sensor must be replaced after malfunction or at the end of its lifetime. ONLY authorized persons may replace the sensor.

(2) The sensor has a lifetime of 15 years. At the end of sensor lifetime or when the sensor fault, the indoor unit or wired controller displays error code "yd", and emits an alarm sound. The alarm can be canceled by operating the “On/Off” button of the wired controller or remote control. The indoor unit fan will keep running and the system can not operate until the sensor is replaced. Please contact our designated dealer or local service center to replace the sensor.

(3) The R32 refrigerant leakage sensor is a semiconductor detector which may incorrectly detect substances other than R32 refrigerant. Avoid using chemical substances (e.g. organic solvents, hair spray, paint) in high concentrations, in the close proximity of the indoor unit because this may cause misdetection of the R32 refrigerant leakage sensor.

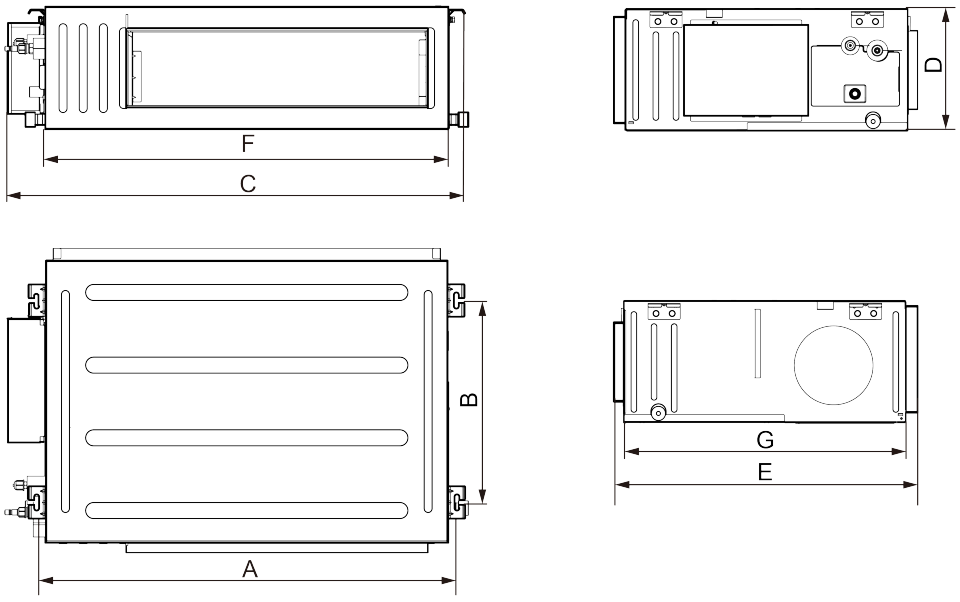
(4) When the sensor detects refrigerant leak, the indoor unit or wired controller displays error code "yb", and emits an alarm sound. The alarm can be canceled by operating the “On/Off” button of the wired controller or remote control. The indoor unit fan will keep running and the system can not operate until the leakage is repaired. Please contact our designated dealer or local service center.

(5) If the indoor unit report a refrigerant leak and returns to normal after a while, it may be a misdetection caused by other chemical substances.

6.3 Different Installation Space Requirements for Various of Indoor Units

6.3.1 Super High Static Pressure Duct Indoor Unit

Outline and installation dimension



The following table lists the detailed dimensions.

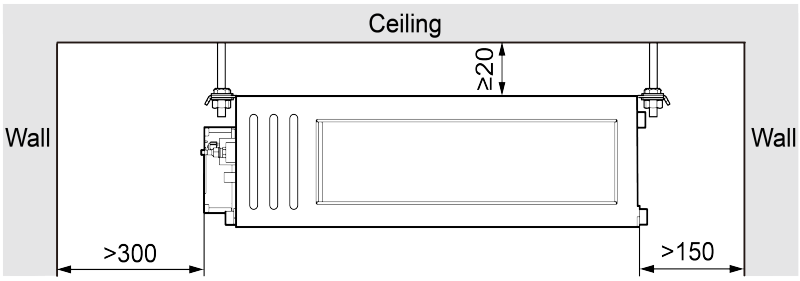
GMV-ND**PHS/NhD-T

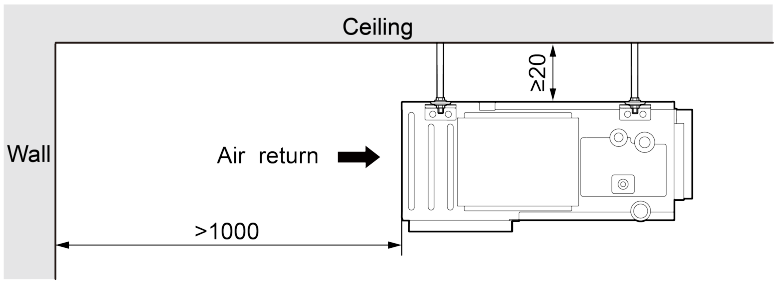
Unit: mm

Model	A	B	C	D	E	F	G
GMV-ND22PHS/NhD-T GMV-ND25PHS/NhD-T GMV-ND28PHS/NhD-T GMV-ND32PHS/NhD-T GMV-ND36PHS/NhD-T GMV-ND40PHS/NhD-T GMV-ND45PHS/NhD-T GMV-ND50PHS/NhD-T	740	500	830	300	754	700	700
GMV-ND56PHS/NhD-T GMV-ND63PHS/NhD-T GMV-ND71PHS/NhD-T GMV-ND80PHS/NhD-T	1040	500	1130	300	754	1000	700
GMV-ND90PHS/NhD-T GMV-ND100PHS/NhD-T GMV-ND112PHS/NhD-T GMV-ND125PHS/NhD-T GMV-ND140PHS/NhD-T	1440	500	1540	300	754	1400	700

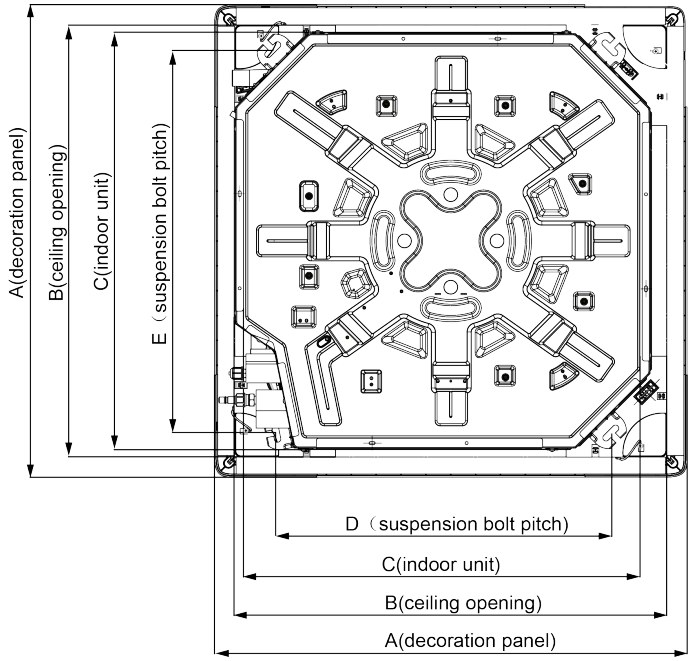
Installation space

Unit: mm



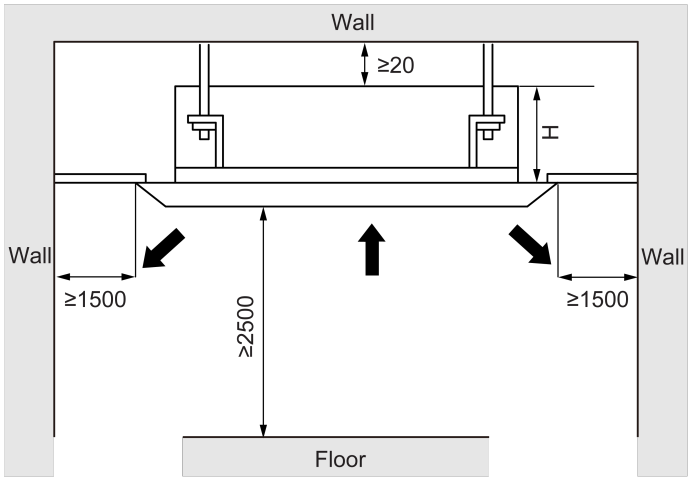


6.3.2 360°Air Discharge Cassette Indoor Unit



Unit: mm

Model	A	B	C	D	E
GMV-ND22T/NhD1-T GMV-ND28T/NhD1-T GMV-ND36T/NhD1-T GMV-ND45T/NhD1-T GMV-ND50T/NhD1-T GMV-ND56T/NhD1-T GMV-ND63T/NhD1-T GMV-ND71T/NhD1-T GMV-ND80T/NhD1-T GMV-ND90T/NhD1-T GMV-ND100T/NhD1-T GMV-ND112T/NhD1-T GMV-ND125T/NhD1-T GMV-ND140T/NhD1-T	950	890	840	680	780

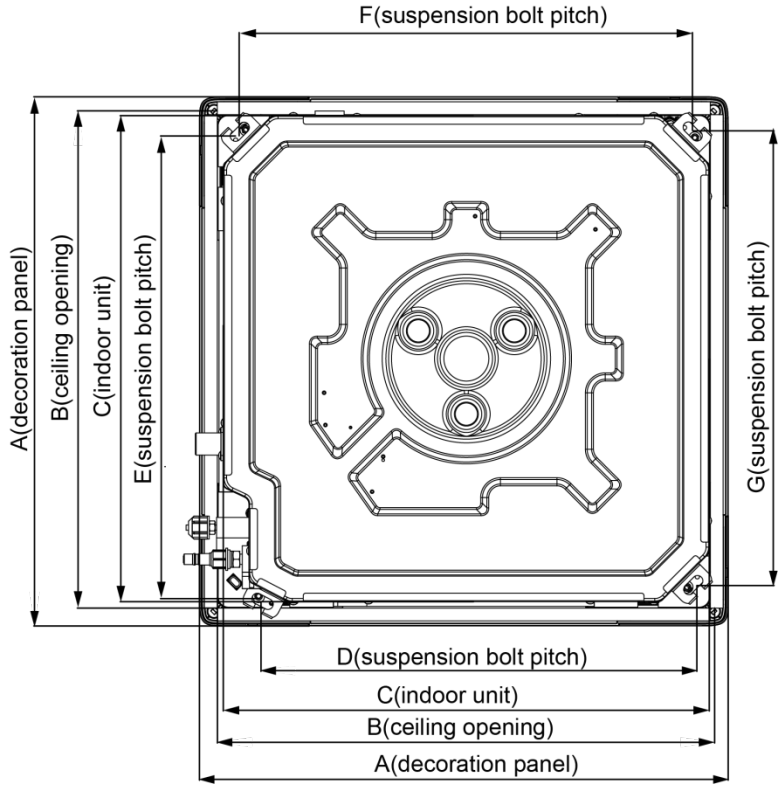


Unit: mm

Model	H
GMV-ND22T/NhD1-T GMV-ND28T/NhD1-T GMV-ND36T/NhD1-T GMV-ND45T/NhD1-T GMV-ND50T/NhD1-T GMV-ND56T/NhD1-T GMV-ND63T/NhD1-T GMV-ND71T/NhD1-T GMV-ND80T/NhD1-T	235
GMV-ND90T/NhD1-T GMV-ND100T/NhD1-T GMV-ND112T/NhD1-T	276
GMV-ND125T/NhD1-T GMV-ND140T/NhD1-T	325

6.3.3 360°Air Discharge Compact Cassette Indoor Unit

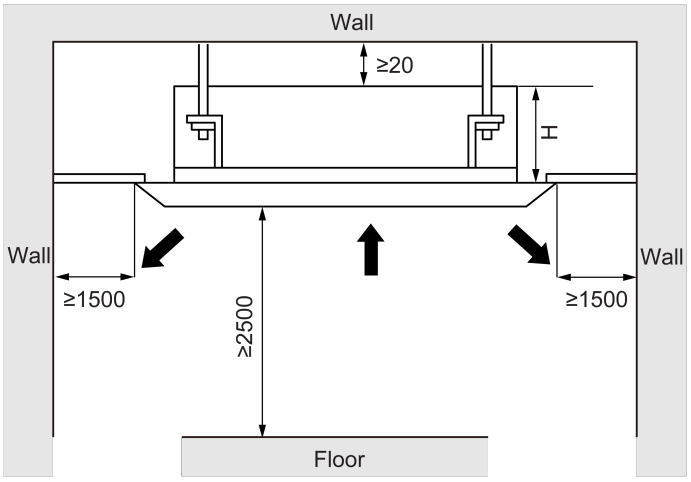
Outline and Installation Dimension



Unit: mm

Model	A	B	C	D	E	F	G
GMV-ND15T/NhE-T GMV-ND18T/NhE-T GMV-ND22T/NhE-T GMV-ND28T/NhE-T GMV-ND36T/NhE-T GMV-ND45T/NhE-T GMV-ND50T/NhE-T GMV-ND56T/NhE-T GMV-ND63T/NhE-T GMV-ND71T/NhE-T	620	580	570	505	550	530	530

Unit: mm



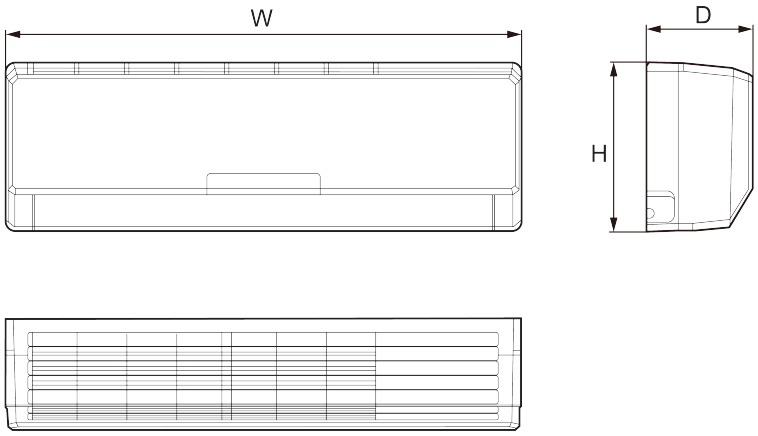
Unit: mm

Model	H
GMV-ND15T/NhE-T GMV-ND18T/NhE-T GMV-ND22T/NhE-T GMV-ND28T/NhE-T GMV-ND36T/NhE-T GMV-ND45T/NhE-T GMV-ND50T/NhE-T GMV-ND56T/NhE-T GMV-ND63T/NhE-T GMV-ND71T/NhE-T	305

6.3.4 Wall Mounted Type Indoor Unit

Outline and Installation Dimension

Unit: mm



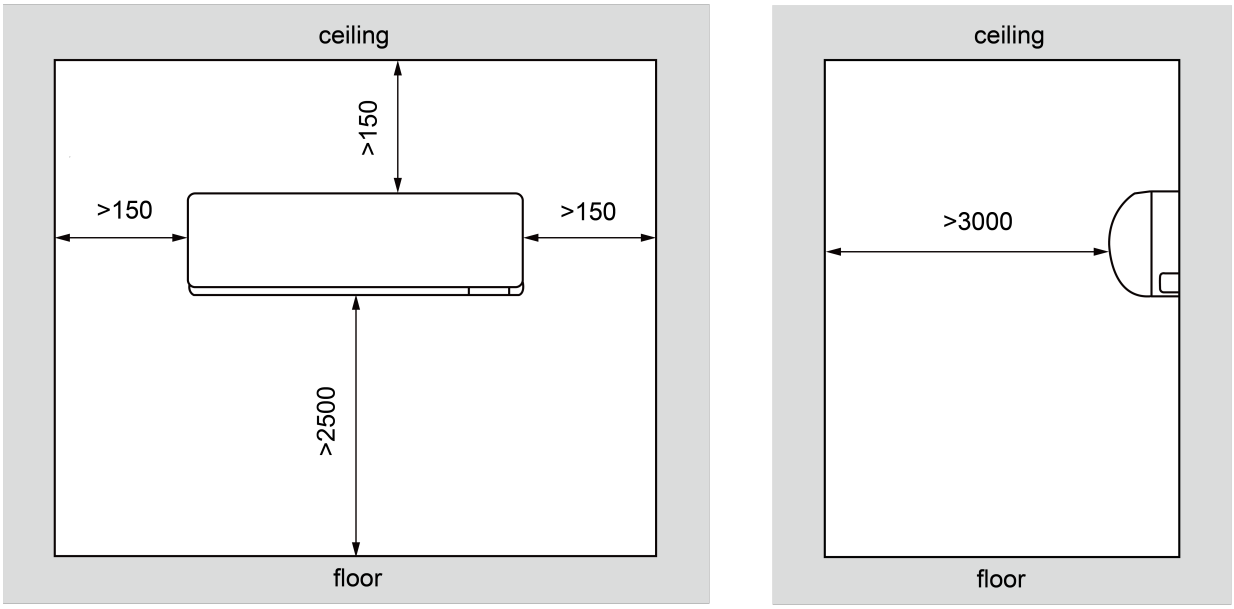
Below are dimensions of W, H, D for different models:

Unit: mm

Item / Model	W	H	D
GMV-ND15G/NhA1C-T GMV-ND18G/NhA1C-T GMV-ND22G/NhA1C-T GMV-ND28G/NhA1C-T	867	276	206
GMV-ND36G/NhA1C-T GMV-ND45G/NhA1C-T GMV-ND50G/NhA1C-T	978	333	248
GMV-ND56G/NhA1C-T GMV-ND63G/NhA1C-T GMV-ND71G/NhA1C-T	1116	333	248
GMV-ND80G/NhA1C-T GMV-ND90G/NhA1C-T GMV-ND100G/NhA1C-T	1350	333	253

Installation and Maintenance Spaces

Unit: mm

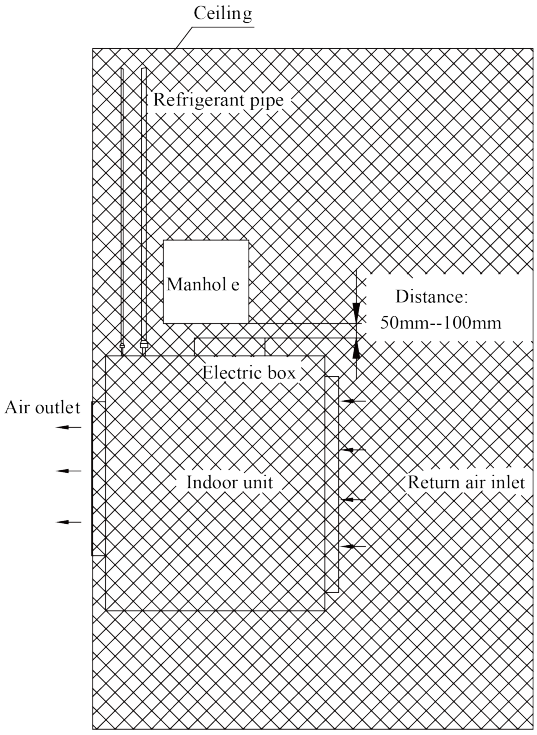


6.4 Locating the Manhole and Air Return Vent

In addition to consideration of the sufficient maintenance space to be reserved during unit locating, it is also important to locate the manhole. If manhole locating is improper, it will also make future maintenance and repair more difficult.

The manhole size can accommodate the shoulder width of a normal adult. It cannot be smaller than 450 mm × 450 mm. Usually the indoor unit in the air supply mode of air duct is located at the electric box side of the unit, the distance from the electric box is 50 mm to 100 mm, and maintenance of the pipeline

part must also be considered. The pipeline maintenance position of the pipeline is mainly considered for the air raise type indoor unit, so the manhole can be located at a position that ensures the distance between one edge and the connection pipe is 200 mm to 250 mm. The schematic diagram is shown below:



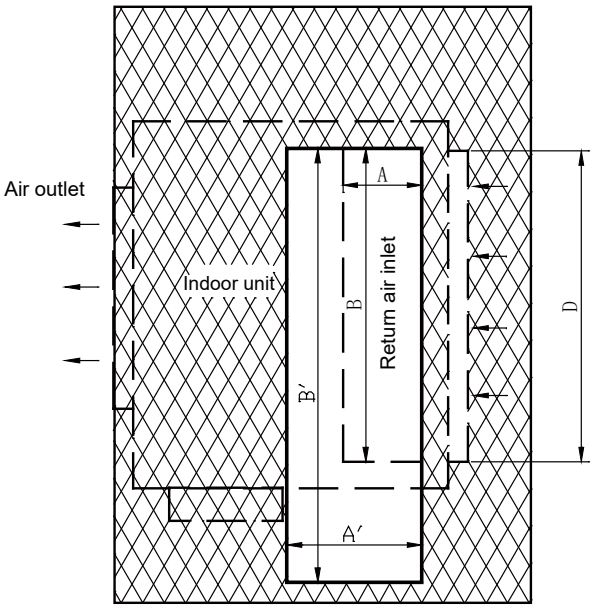
The air return vent position must also be considered for the indoor unit in the air supply mode of air duct. The air return vent is responsible for air return of the unit, and also used to complete maintenance of the indoor fan motor and filter screen. Therefore, in addition to meeting the air return design requirements mentioned above, there is a must to ensure the requirement for replacing the motor and filter screen.

(1) Do not set the air return vent of the unit near the door, toilet or kitchen; otherwise problems such as condensation and peculiar smell may be caused.

(2) The length direction of the air return vent cannot be smaller than 2/3 of the air return vent length of the unit.

(3) If the air return vent is set directly behind the unit, the distance between its position and the unit cannot be greater than 300 mm. The width of the air return vent cannot be smaller than 200 mm.

(4) For the design of also using the air return vent as a manhole for the electric box, the maintenance position should also be reserved at the electric box side according to the above principle. At the same time, it is required to consider whether the position of the air return vent can ensure easy removal and replacement of the fan motor and filter screen. Therefore, the air return vent should be enlarged to 1.5 to 2 times of the original circulation area according to the actual conditions and on the basis of satisfying the air volume design. The schematic diagram is shown below:



Original air return vent area: S = A×B

Currently air return vent area: S' = A' × B'

S'≥ (1.5~2.0)S

7. Communication Connection Method Between IDU and Control Terminal

There are 2 connection ways between IDU and control terminal. Please refer to the follow:

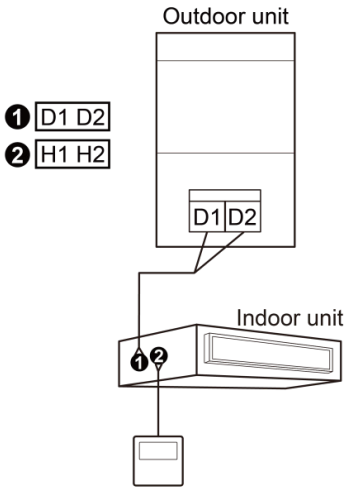


Fig.1 One wired controller controls one IDU

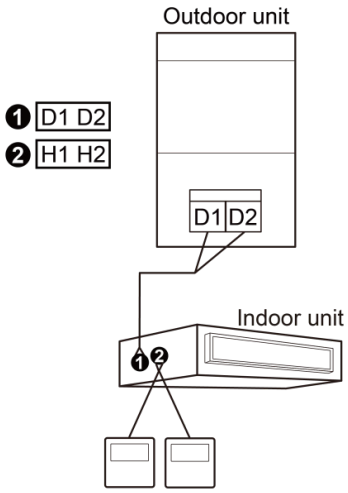


Fig. 2 Two wired controllers control one IDU

7.1 Communication Connection Method Between IDU and Wired Controller

Set slave wired controller under ON/OFF status:

Press "MENU/OK" button on the homepage to enter into menu page to select "Set" to go to set page. Select "Parameter Setting" at the set page to go into parameter setting page. After that, press "∧" or "∨" button to switch the items.

When selecting "Main Wired Controller", press "<" or ">" button to select the setting value "No". Press "MENU/OK" button to save corresponding setting item.

Press "⏻/⮌" button to return to the previous operation, until existing parameter setting.

Parameter setting list for the user is as follow:

Parameter name	Parameter scope	Default value	Remark
Main Wired Controller	Yes: main wired controller No: slave wired controller	Yes	When 2 wired controllers control one IDU, they shall have different addresses.

NOTES!

① All wired controllers are set as main wired controllers at the factory.

② Under parameter setting status, the signal of remote controller is invalid.

8. Optional Components

—	Model	Remarks
Remote controller	YAP1F	Standard: cassette type indoor units. Optional: Duct type indoor units.
Wired controller	XE7C-23/H、XE7C-23/HC、XE73-23/HC(V4.2 and later versions)、ME32-23/H	Optional
Linkage Controller	LE60-24/H1	—
R32 Refrigerant Detectors	LE61-23/H1	R32 refrigerant detection sensor
Alarm	LE61-23/H2	Without R32 refrigerant detection sensor

Appendixes Product Capacity Correction

1 Cooling Capacity Correction

TC: Total Capacity; SC: Sensible Capacity

Cooling Capacity (kW)	Outdoor temperature (°CDB)	Indoor temperature (°C WB/°C DB)													
		14.0°CWB		16.0°CWB		18.0°CWB		19.0°CWB		20.0°CWB		22.0°CWB		24.0°CWB	
		20°CDB		23°CDB		26°CDB		27°CDB		28°CDB		30°CDB		32°CDB	
		TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
1.5	10.0	1.1	0.8	1.2	0.9	1.4	1.1	1.5	1.1	1.6	1.2	1.8	1.2	2.0	1.3
	12.0	1.1	0.8	1.2	0.9	1.4	1.1	1.5	1.1	1.6	1.2	1.8	1.2	2.0	1.3
	14.0	1.1	0.8	1.2	0.9	1.4	1.1	1.5	1.1	1.6	1.2	1.8	1.2	2.0	1.3
	16.0	1.1	0.8	1.2	0.9	1.4	1.1	1.5	1.1	1.6	1.2	1.8	1.2	2.0	1.3
	18.0	1.1	0.8	1.2	0.9	1.4	1.1	1.5	1.1	1.6	1.2	1.8	1.2	2.0	1.3
	20.0	1.1	0.8	1.2	0.9	1.4	1.1	1.5	1.1	1.6	1.2	1.8	1.2	2.0	1.3
	21.0	1.1	0.8	1.2	0.9	1.4	1.1	1.5	1.1	1.6	1.2	1.8	1.2	2.0	1.3
	23.0	1.1	0.8	1.2	0.9	1.4	1.1	1.5	1.1	1.6	1.2	1.8	1.2	1.9	1.3
	25.0	1.1	0.8	1.2	0.9	1.4	1.1	1.5	1.1	1.6	1.2	1.8	1.2	1.9	1.3
	27.0	1.1	0.8	1.2	0.9	1.4	1.1	1.5	1.1	1.6	1.2	1.8	1.2	1.9	1.3
	29.0	1.1	0.8	1.2	0.9	1.4	1.1	1.5	1.1	1.6	1.2	1.8	1.2	1.8	1.3
	31.0	1.1	0.8	1.2	0.9	1.4	1.1	1.5	1.1	1.6	1.2	1.7	1.2	1.8	1.2
	33.0	1.1	0.8	1.2	0.9	1.4	1.1	1.5	1.1	1.6	1.2	1.7	1.2	1.8	1.2
	35.0	1.1	0.8	1.2	0.9	1.4	1.1	1.5	1.1	1.6	1.2	1.7	1.2	1.8	1.2
	37.0	1.1	0.8	1.2	0.9	1.4	1.1	1.5	1.1	1.6	1.2	1.7	1.2	1.7	1.2
	39.0	1.1	0.8	1.2	0.9	1.4	1.1	1.5	1.1	1.6	1.2	1.7	1.2	1.7	1.2
	40.0	1.1	0.8	1.2	0.9	1.4	1.1	1.5	1.1	1.6	1.2	1.6	1.2	1.7	1.2
	43.0	1.1	0.8	1.2	0.9	1.4	1.1	1.5	1.1	1.5	1.1	1.6	1.2	1.7	1.2
1.8	10.0	1.3	1.0	1.5	1.1	1.7	1.3	1.8	1.4	1.9	1.4	2.2	1.4	2.4	1.6
	12.0	1.3	1.0	1.5	1.1	1.7	1.3	1.8	1.4	1.9	1.4	2.2	1.4	2.4	1.6
	14.0	1.3	1.0	1.5	1.1	1.7	1.3	1.8	1.4	1.9	1.4	2.2	1.4	2.4	1.6
	16.0	1.3	1.0	1.5	1.1	1.7	1.3	1.8	1.4	1.9	1.4	2.2	1.4	2.4	1.6
	18.0	1.3	1.0	1.5	1.1	1.7	1.3	1.8	1.4	1.9	1.4	2.2	1.4	2.4	1.6
	20.0	1.3	1.0	1.5	1.1	1.7	1.3	1.8	1.4	1.9	1.4	2.2	1.4	2.4	1.6
	21.0	1.3	1.0	1.5	1.1	1.7	1.3	1.8	1.4	1.9	1.4	2.2	1.4	2.3	1.5
	23.0	1.3	1.0	1.5	1.1	1.7	1.3	1.8	1.4	1.9	1.4	2.2	1.4	2.3	1.5
	25.0	1.3	1.0	1.5	1.1	1.7	1.3	1.8	1.4	1.9	1.4	2.2	1.5	2.3	1.5
	27.0	1.3	1.0	1.5	1.1	1.7	1.3	1.8	1.4	1.9	1.4	2.1	1.5	2.3	1.5
	29.0	1.3	1.0	1.5	1.1	1.7	1.3	1.8	1.4	1.9	1.4	2.1	1.5	2.2	1.5
	31.0	1.3	1.0	1.5	1.1	1.7	1.3	1.8	1.4	1.9	1.4	2.1	1.5	2.2	1.5
	33.0	1.3	1.0	1.5	1.1	1.7	1.3	1.8	1.4	1.9	1.4	2.1	1.4	2.1	1.5
	35.0	1.3	1.0	1.5	1.1	1.7	1.3	1.8	1.4	1.9	1.4	2.1	1.5	2.1	1.5
	37.0	1.3	1.0	1.5	1.1	1.7	1.3	1.8	1.4	1.9	1.4	2.0	1.5	2.1	1.4
	39.0	1.3	1.0	1.5	1.1	1.7	1.3	1.8	1.4	1.9	1.4	2.0	1.4	2.1	1.4
	40.0	1.3	1.0	1.5	1.1	1.7	1.3	1.8	1.4	1.9	1.4	2.0	1.4	2.0	1.4
	43.0	1.3	1.0	1.5	1.1	1.7	1.3	1.8	1.4	1.9	1.4	1.9	1.4	2.0	1.4

Cooling Capacity (kW)	Outdoor temperature (°CDB)	Indoor temperature (°C WB/°C DB)													
		14.0°CWB		16.0°CWB		18.0°CWB		19.0°CWB		20.0°CWB		22.0°CWB		24.0°CWB	
		20°CDB		23°CDB		26°CDB		27°CDB		28°CDB		30°CDB		32°CDB	
		TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.2	10.0	1.5	1.2	1.8	1.4	2.0	1.6	2.2	1.7	2.4	1.7	2.7	1.8	2.9	1.9
	12.0	1.5	1.2	1.8	1.4	2.0	1.6	2.2	1.7	2.4	1.7	2.7	1.8	2.9	1.9
	14.0	1.5	1.2	1.8	1.4	2.0	1.6	2.2	1.7	2.4	1.7	2.7	1.8	2.9	1.9
	16.0	1.5	1.2	1.8	1.4	2.0	1.6	2.2	1.7	2.4	1.7	2.7	1.8	2.9	1.9
	18.0	1.5	1.2	1.8	1.4	2.0	1.6	2.2	1.7	2.4	1.7	2.7	1.8	2.9	1.9
	20.0	1.5	1.2	1.8	1.4	2.0	1.6	2.2	1.7	2.4	1.7	2.7	1.8	2.9	1.9
	21.0	1.5	1.2	1.8	1.4	2.0	1.6	2.2	1.7	2.4	1.7	2.7	1.8	2.9	1.9
	23.0	1.5	1.2	1.8	1.4	2.0	1.6	2.2	1.7	2.4	1.7	2.7	1.8	2.8	1.9
	25.0	1.5	1.2	1.8	1.4	2.0	1.6	2.2	1.7	2.4	1.7	2.7	1.8	2.8	1.9
	27.0	1.5	1.2	1.8	1.4	2.0	1.6	2.2	1.7	2.4	1.7	2.6	1.8	2.8	1.8
	29.0	1.5	1.2	1.8	1.4	2.0	1.6	2.2	1.7	2.4	1.7	2.6	1.8	2.7	1.8
	31.0	1.5	1.2	1.8	1.4	2.0	1.6	2.2	1.7	2.4	1.7	2.6	1.8	2.7	1.8
	33.0	1.5	1.2	1.8	1.4	2.0	1.6	2.2	1.7	2.4	1.7	2.5	1.8	2.6	1.8
	35.0	1.5	1.2	1.8	1.4	2.0	1.6	2.2	1.7	2.4	1.7	2.5	1.8	2.6	1.8
	37.0	1.5	1.2	1.8	1.4	2.0	1.6	2.2	1.7	2.4	1.7	2.5	1.8	2.6	1.8
	39.0	1.5	1.2	1.8	1.4	2.0	1.6	2.2	1.7	2.4	1.7	2.4	1.8	2.5	1.7
	40.0	1.5	1.2	1.8	1.4	2.0	1.6	2.2	1.7	2.3	1.7	2.4	1.8	2.5	1.7
	43.0	1.5	1.2	1.8	1.4	2.0	1.6	2.2	1.7	2.3	1.7	2.4	1.7	2.4	1.7
2.5	10.0	1.8	1.3	2.0	1.6	2.3	1.8	2.5	1.9	2.7	1.9	3.1	2.0	3.4	2.2
	12.0	1.8	1.3	2.0	1.6	2.3	1.8	2.5	1.9	2.7	1.9	3.1	2.0	3.4	2.2
	14.0	1.8	1.3	2.0	1.6	2.3	1.8	2.5	1.9	2.7	1.9	3.1	2.0	3.4	2.2
	16.0	1.8	1.3	2.0	1.6	2.3	1.8	2.5	1.9	2.7	1.9	3.1	2.0	3.4	2.2
	18.0	1.8	1.3	2.0	1.6	2.3	1.8	2.5	1.9	2.7	1.9	3.1	2.0	3.4	2.2
	20.0	1.8	1.3	2.0	1.6	2.3	1.8	2.5	1.9	2.7	1.9	3.1	2.0	3.3	2.2
	21.0	1.8	1.3	2.0	1.6	2.3	1.8	2.5	1.9	2.7	1.9	3.1	2.0	3.3	2.1
	23.0	1.8	1.3	2.0	1.6	2.3	1.8	2.5	1.9	2.7	1.9	3.1	2.0	3.2	2.1
	25.0	1.8	1.3	2.0	1.6	2.3	1.8	2.5	1.9	2.7	1.9	3.0	2.0	3.2	2.1
	27.0	1.8	1.3	2.0	1.6	2.3	1.8	2.5	1.9	2.7	1.9	3.0	2.0	3.1	2.1
	29.0	1.8	1.3	2.0	1.6	2.3	1.8	2.5	1.9	2.7	1.9	2.9	2.0	3.1	2.1
	31.0	1.8	1.3	2.0	1.6	2.3	1.8	2.5	1.9	2.7	1.9	2.9	2.0	3.0	2.1
	33.0	1.8	1.3	2.0	1.6	2.3	1.8	2.5	1.9	2.7	1.9	2.9	2.0	3.0	2.0
	35.0	1.8	1.3	2.0	1.6	2.3	1.8	2.5	1.9	2.7	1.9	2.9	2.0	3.0	2.0
	37.0	1.8	1.3	2.0	1.6	2.3	1.8	2.5	1.9	2.7	2.0	2.8	2.0	2.9	2.0
	39.0	1.8	1.3	2.0	1.6	2.3	1.8	2.5	1.9	2.7	2.0	2.8	2.0	2.9	2.0
	40.0	1.8	1.3	2.0	1.6	2.3	1.8	2.5	1.9	2.6	1.9	2.7	2.0	2.8	2.0
	43.0	1.8	1.3	2.0	1.6	2.3	1.8	2.5	1.9	2.6	1.9	2.7	2.0	2.8	1.9

Cooling Capacity (kW)	Outdoor temperature (°CDB)	Indoor temperature (°C WB/°C DB)													
		14.0°CWB		16.0°CWB		18.0°CWB		19.0°CWB		20.0°CWB		22.0°CWB		24.0°CWB	
		20°CDB		23°CDB		26°CDB		27°CDB		28°CDB		30°CDB		32°CDB	
		TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.8	10.0	2.0	1.5	2.3	1.8	2.6	2.1	2.8	2.1	3.0	2.1	3.4	2.2	3.8	2.4
	12.0	2.0	1.5	2.3	1.8	2.6	2.1	2.8	2.1	3.0	2.1	3.4	2.2	3.8	2.4
	14.0	2.0	1.5	2.3	1.8	2.6	2.1	2.8	2.1	3.0	2.1	3.4	2.2	3.8	2.4
	16.0	2.0	1.5	2.3	1.8	2.6	2.1	2.8	2.1	3.0	2.1	3.4	2.2	3.8	2.4
	18.0	2.0	1.5	2.3	1.8	2.6	2.1	2.8	2.1	3.0	2.1	3.4	2.2	3.8	2.4
	20.0	2.0	1.5	2.3	1.8	2.6	2.1	2.8	2.1	3.0	2.1	3.4	2.2	3.7	2.5
	21.0	2.0	1.5	2.3	1.8	2.6	2.1	2.8	2.1	3.0	2.1	3.4	2.2	3.6	2.4
	23.0	2.0	1.5	2.3	1.8	2.6	2.1	2.8	2.1	3.0	2.1	3.4	2.2	3.6	2.4
	25.0	2.0	1.5	2.3	1.8	2.6	2.1	2.8	2.1	3.0	2.1	3.4	2.3	3.5	2.4
	27.0	2.0	1.5	2.3	1.8	2.6	2.1	2.8	2.1	3.0	2.1	3.3	2.3	3.5	2.3
	29.0	2.0	1.5	2.3	1.8	2.6	2.1	2.8	2.1	3.0	2.1	3.3	2.3	3.4	2.3
	31.0	2.0	1.5	2.3	1.8	2.6	2.1	2.8	2.1	3.0	2.1	3.2	2.3	3.4	2.3
	33.0	2.0	1.5	2.3	1.8	2.6	2.1	2.8	2.1	3.0	2.1	3.2	2.3	3.3	2.3
	35.0	2.0	1.5	2.3	1.8	2.6	2.1	2.8	2.1	3.0	2.1	3.2	2.3	3.3	2.3
	37.0	2.0	1.5	2.3	1.8	2.6	2.1	2.8	2.1	3.0	2.2	3.1	2.3	3.2	2.2
	39.0	2.0	1.5	2.3	1.8	2.6	2.1	2.8	2.1	3.0	2.2	3.1	2.2	3.2	2.2
	40.0	2.0	1.5	2.3	1.8	2.6	2.1	2.8	2.1	2.9	2.2	3.1	2.2	3.1	2.2
	43.0	2.0	1.5	2.3	1.8	2.6	2.1	2.8	2.1	2.9	2.1	3.0	2.2	3.1	2.2
3.2	10.0	2.2	1.7	2.6	2.0	2.9	2.4	3.2	2.4	3.5	2.5	3.9	2.6	4.3	2.8
	12.0	2.2	1.7	2.6	2.0	2.9	2.4	3.2	2.4	3.5	2.5	3.9	2.6	4.3	2.8
	14.0	2.2	1.7	2.6	2.0	2.9	2.4	3.2	2.4	3.5	2.5	3.9	2.6	4.3	2.8
	16.0	2.2	1.7	2.6	2.0	2.9	2.4	3.2	2.4	3.5	2.5	3.9	2.6	4.3	2.8
	18.0	2.2	1.7	2.6	2.0	2.9	2.4	3.2	2.4	3.5	2.5	3.9	2.6	4.3	2.8
	20.0	2.2	1.7	2.6	2.0	2.9	2.4	3.2	2.4	3.5	2.5	3.9	2.6	4.3	2.8
	21.0	2.2	1.7	2.6	2.0	2.9	2.4	3.2	2.4	3.5	2.5	3.9	2.6	4.2	2.7
	23.0	2.2	1.7	2.6	2.0	2.9	2.4	3.2	2.4	3.5	2.5	3.9	2.6	4.1	2.7
	25.0	2.2	1.7	2.6	2.0	2.9	2.4	3.2	2.4	3.5	2.5	3.9	2.6	4.0	2.7
	27.0	2.2	1.7	2.6	2.0	2.9	2.4	3.2	2.4	3.5	2.5	3.8	2.6	4.0	2.7
	29.0	2.2	1.7	2.6	2.0	2.9	2.4	3.2	2.4	3.5	2.5	3.7	2.6	3.9	2.7
	31.0	2.2	1.7	2.6	2.0	2.9	2.4	3.2	2.4	3.5	2.5	3.7	2.6	3.9	2.6
	33.0	2.2	1.7	2.6	2.0	2.9	2.4	3.2	2.4	3.5	2.5	3.7	2.6	3.8	2.6
	35.0	2.2	1.7	2.6	2.0	2.9	2.4	3.2	2.4	3.5	2.5	3.6	2.6	3.8	2.6
	37.0	2.2	1.7	2.6	2.0	2.9	2.4	3.2	2.4	3.5	2.5	3.6	2.6	3.7	2.6
	39.0	2.2	1.7	2.6	2.0	2.9	2.4	3.2	2.4	3.4	2.5	3.5	2.6	3.6	2.5
	40.0	2.2	1.7	2.6	2.0	2.9	2.4	3.2	2.4	3.4	2.5	3.5	2.5	3.6	2.5
	43.0	2.2	1.7	2.6	2.0	2.9	2.4	3.2	2.4	3.3	2.4	3.5	2.5	3.5	2.5

Cooling Capacity (kW)	Outdoor temperature (°CDB)	Indoor temperature (°C WB/°C DB)													
		14.0°CWB		16.0°CWB		18.0°CWB		19.0°CWB		20.0°CWB		22.0°CWB		24.0°CWB	
		20°CDB		23°CDB		26°CDB		27°CDB		28°CDB		30°CDB		32°CDB	
		TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
3.6	10.0	2.5	1.9	2.9	2.3	3.3	2.6	3.6	2.7	3.9	2.8	4.4	2.9	4.8	3.1
	12.0	2.5	1.9	2.9	2.3	3.3	2.6	3.6	2.7	3.9	2.8	4.4	2.9	4.8	3.1
	14.0	2.5	1.9	2.9	2.3	3.3	2.6	3.6	2.7	3.9	2.8	4.4	2.9	4.8	3.1
	16.0	2.5	1.9	2.9	2.3	3.3	2.6	3.6	2.7	3.9	2.8	4.4	2.9	4.8	3.1
	18.0	2.5	1.9	2.9	2.3	3.3	2.6	3.6	2.7	3.9	2.8	4.4	2.9	4.8	3.1
	20.0	2.5	1.9	2.9	2.3	3.3	2.6	3.6	2.7	3.9	2.8	4.4	2.9	4.8	3.2
	21.0	2.5	1.9	2.9	2.3	3.3	2.6	3.6	2.7	3.9	2.8	4.4	2.9	4.7	3.1
	23.0	2.5	1.9	2.9	2.3	3.3	2.6	3.6	2.7	3.9	2.8	4.4	2.9	4.6	3.0
	25.0	2.5	1.9	2.9	2.3	3.3	2.6	3.6	2.7	3.9	2.8	4.4	2.9	4.5	3.0
	27.0	2.5	1.9	2.9	2.3	3.3	2.6	3.6	2.7	3.9	2.8	4.3	2.9	4.5	3.0
	29.0	2.5	1.9	2.9	2.3	3.3	2.6	3.6	2.7	3.9	2.8	4.2	2.9	4.4	3.0
	31.0	2.5	1.9	2.9	2.3	3.3	2.6	3.6	2.7	3.9	2.8	4.2	2.9	4.4	3.0
	33.0	2.5	1.9	2.9	2.3	3.3	2.6	3.6	2.7	3.9	2.8	4.1	2.9	4.3	2.9
	35.0	2.5	1.9	2.9	2.3	3.3	2.6	3.6	2.7	3.9	2.8	4.1	2.9	4.2	2.9
	37.0	2.5	1.9	2.9	2.3	3.3	2.6	3.6	2.7	3.9	2.8	4.0	2.9	4.2	2.9
	39.0	2.5	1.9	2.9	2.3	3.3	2.6	3.6	2.7	3.9	2.8	4.0	2.9	4.1	2.8
	40.0	2.5	1.9	2.9	2.3	3.3	2.6	3.6	2.7	3.8	2.8	3.9	2.9	4.0	2.8
	43.0	2.5	1.9	2.9	2.3	3.3	2.6	3.6	2.7	3.7	2.7	3.9	2.8	4.0	2.8
4.0	10.0	2.8	2.1	3.2	2.5	3.7	2.9	4.0	3.0	4.3	3.1	4.9	3.2	5.4	3.5
	12.0	2.8	2.1	3.2	2.5	3.7	2.9	4.0	3.0	4.3	3.1	4.9	3.2	5.4	3.5
	14.0	2.8	2.1	3.2	2.5	3.7	2.9	4.0	3.0	4.3	3.1	4.9	3.2	5.4	3.5
	16.0	2.8	2.1	3.2	2.5	3.7	2.9	4.0	3.0	4.3	3.1	4.9	3.2	5.4	3.5
	18.0	2.8	2.1	3.2	2.5	3.7	2.9	4.0	3.0	4.3	3.1	4.9	3.2	5.4	3.5
	20.0	2.8	2.1	3.2	2.5	3.7	2.9	4.0	3.0	4.3	3.1	4.9	3.2	5.3	3.5
	21.0	2.8	2.1	3.2	2.5	3.7	2.9	4.0	3.0	4.3	3.1	4.9	3.2	5.2	3.4
	23.0	2.8	2.1	3.2	2.5	3.7	2.9	4.0	3.0	4.3	3.1	4.9	3.2	5.1	3.4
	25.0	2.8	2.1	3.2	2.5	3.7	2.9	4.0	3.0	4.3	3.1	4.8	3.2	5.0	3.4
	27.0	2.8	2.1	3.2	2.5	3.7	2.9	4.0	3.0	4.3	3.1	4.8	3.2	5.0	3.4
	29.0	2.8	2.1	3.2	2.5	3.7	2.9	4.0	3.0	4.3	3.1	4.7	3.2	4.9	3.3
	31.0	2.8	2.1	3.2	2.5	3.7	2.9	4.0	3.0	4.3	3.1	4.6	3.2	4.8	3.3
	33.0	2.8	2.1	3.2	2.5	3.7	2.9	4.0	3.0	4.3	3.1	4.6	3.2	4.8	3.2
	35.0	2.8	2.1	3.2	2.5	3.7	2.9	4.0	3.0	4.3	3.1	4.6	3.2	4.7	3.3
	37.0	2.8	2.1	3.2	2.5	3.7	2.9	4.0	3.0	4.3	3.2	4.5	3.2	4.6	3.2
	39.0	2.8	2.1	3.2	2.5	3.7	2.9	4.0	3.0	4.3	3.1	4.4	3.2	4.6	3.1
	40.0	2.8	2.1	3.2	2.5	3.7	2.9	4.0	3.0	4.2	3.1	4.4	3.2	4.5	3.1
	43.0	2.8	2.1	3.2	2.5	3.7	2.9	4.0	3.0	4.1	3.0	4.3	3.2	4.4	3.1

Cooling Capacity (kW)	Outdoor temperature (°CDB)	Indoor temperature (°C WB/°C DB)													
		14.0°CWB		16.0°CWB		18.0°CWB		19.0°CWB		20.0°CWB		22.0°CWB		24.0°CWB	
		20°CDB		23°CDB		26°CDB		27°CDB		28°CDB		30°CDB		32°CDB	
		TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
4.5	10.0	3.2	2.4	3.6	2.8	4.1	3.3	4.5	3.4	4.9	3.5	5.5	3.6	6.0	3.9
	12.0	3.2	2.4	3.6	2.8	4.1	3.3	4.5	3.4	4.9	3.5	5.5	3.6	6.0	3.9
	14.0	3.2	2.4	3.6	2.8	4.1	3.3	4.5	3.4	4.9	3.5	5.5	3.6	6.0	3.9
	16.0	3.2	2.4	3.6	2.8	4.1	3.3	4.5	3.4	4.9	3.5	5.5	3.6	6.0	3.9
	18.0	3.2	2.4	3.6	2.8	4.1	3.3	4.5	3.4	4.9	3.5	5.5	3.6	6.0	3.9
	20.0	3.2	2.4	3.6	2.8	4.1	3.3	4.5	3.4	4.9	3.5	5.5	3.6	6.0	4.0
	21.0	3.2	2.4	3.6	2.8	4.1	3.3	4.5	3.4	4.9	3.5	5.5	3.6	5.9	3.9
	23.0	3.2	2.4	3.6	2.8	4.1	3.3	4.5	3.4	4.9	3.5	5.5	3.6	5.8	3.8
	25.0	3.2	2.4	3.6	2.8	4.1	3.3	4.5	3.4	4.9	3.5	5.4	3.6	5.7	3.8
	27.0	3.2	2.4	3.6	2.8	4.1	3.3	4.5	3.4	4.9	3.5	5.3	3.6	5.6	3.8
	29.0	3.2	2.4	3.6	2.8	4.1	3.3	4.5	3.4	4.9	3.5	5.3	3.6	5.5	3.8
	31.0	3.2	2.4	3.6	2.8	4.1	3.3	4.5	3.4	4.9	3.5	5.2	3.7	5.4	3.7
	33.0	3.2	2.4	3.6	2.8	4.1	3.3	4.5	3.4	4.9	3.5	5.2	3.6	5.4	3.6
	35.0	3.2	2.4	3.6	2.8	4.1	3.3	4.5	3.4	4.9	3.5	5.1	3.6	5.3	3.7
	37.0	3.2	2.4	3.6	2.8	4.1	3.3	4.5	3.4	4.9	3.5	5.0	3.6	5.2	3.6
	39.0	3.2	2.4	3.6	2.8	4.1	3.3	4.5	3.4	4.8	3.5	5.0	3.6	5.1	3.5
	40.0	3.2	2.4	3.6	2.8	4.1	3.3	4.5	3.4	4.7	3.5	4.9	3.6	5.0	3.5
	43.0	3.2	2.4	3.6	2.8	4.1	3.3	4.5	3.4	4.6	3.4	4.9	3.5	5.0	3.5
5.0	10.0	3.5	2.7	4.1	3.2	4.6	3.7	5.0	3.8	5.4	3.8	6.2	4.0	6.7	4.4
	12.0	3.5	2.7	4.1	3.2	4.6	3.7	5.0	3.8	5.4	3.8	6.2	4.0	6.7	4.4
	14.0	3.5	2.7	4.1	3.2	4.6	3.7	5.0	3.8	5.4	3.8	6.2	4.0	6.7	4.4
	16.0	3.5	2.7	4.1	3.2	4.6	3.7	5.0	3.8	5.4	3.8	6.2	4.0	6.7	4.4
	18.0	3.5	2.7	4.1	3.2	4.6	3.7	5.0	3.8	5.4	3.8	6.2	4.0	6.7	4.4
	20.0	3.5	2.7	4.1	3.2	4.6	3.7	5.0	3.8	5.4	3.8	6.2	4.0	6.7	4.4
	21.0	3.5	2.7	4.1	3.2	4.6	3.7	5.0	3.8	5.4	3.8	6.2	4.0	6.5	4.3
	23.0	3.5	2.7	4.1	3.2	4.6	3.7	5.0	3.8	5.4	3.8	6.2	4.0	6.4	4.2
	25.0	3.5	2.7	4.1	3.2	4.6	3.7	5.0	3.8	5.4	3.8	6.1	4.1	6.3	4.2
	27.0	3.5	2.7	4.1	3.2	4.6	3.7	5.0	3.8	5.4	3.8	5.9	4.0	6.3	4.2
	29.0	3.5	2.7	4.1	3.2	4.6	3.7	5.0	3.8	5.4	3.8	5.9	4.0	6.2	4.2
	31.0	3.5	2.7	4.1	3.2	4.6	3.7	5.0	3.8	5.4	3.8	5.8	4.1	6.1	4.1
	33.0	3.5	2.7	4.1	3.2	4.6	3.7	5.0	3.8	5.4	3.8	5.8	4.0	6.0	4.0
	35.0	3.5	2.7	4.1	3.2	4.6	3.7	5.0	3.8	5.4	3.8	5.7	4.0	5.9	4.1
	37.0	3.5	2.7	4.1	3.2	4.6	3.7	5.0	3.8	5.4	3.9	5.6	4.0	5.8	4.0
	39.0	3.5	2.7	4.1	3.2	4.6	3.7	5.0	3.8	5.4	3.9	5.5	4.0	5.7	3.9
	40.0	3.5	2.7	4.1	3.2	4.6	3.7	5.0	3.8	5.3	3.9	5.5	4.0	5.6	3.9
	43.0	3.5	2.7	4.1	3.2	4.6	3.7	5.0	3.8	5.2	3.8	5.4	3.9	5.5	3.9

Cooling Capacity (kW)	Outdoor temperature (°CDB)	Indoor temperature (°C WB/°C DB)													
		14.0°CWB		16.0°CWB		18.0°CWB		19.0°CWB		20.0°CWB		22.0°CWB		24.0°CWB	
		20°CDB		23°CDB		26°CDB		27°CDB		28°CDB		30°CDB		32°CDB	
		TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
5.6	10.0	3.9	3.0	4.5	3.5	5.2	4.1	5.6	4.2	6.0	4.3	6.9	4.5	7.5	4.9
	12.0	3.9	3.0	4.5	3.5	5.2	4.1	5.6	4.2	6.0	4.3	6.9	4.5	7.5	4.9
	14.0	3.9	3.0	4.5	3.5	5.2	4.1	5.6	4.2	6.0	4.3	6.9	4.5	7.5	4.9
	16.0	3.9	3.0	4.5	3.5	5.2	4.1	5.6	4.2	6.0	4.3	6.9	4.5	7.5	4.9
	18.0	3.9	3.0	4.5	3.5	5.2	4.1	5.6	4.2	6.0	4.3	6.9	4.5	7.5	4.9
	20.0	3.9	3.0	4.5	3.5	5.2	4.1	5.6	4.2	6.0	4.3	6.9	4.5	7.4	4.9
	21.0	3.9	3.0	4.5	3.5	5.2	4.1	5.6	4.2	6.0	4.3	6.9	4.5	7.3	4.8
	23.0	3.9	3.0	4.5	3.5	5.2	4.1	5.6	4.2	6.0	4.3	6.9	4.5	7.2	4.7
	25.0	3.9	3.0	4.5	3.5	5.2	4.1	5.6	4.2	6.0	4.3	6.8	4.5	7.1	4.7
	27.0	3.9	3.0	4.5	3.5	5.2	4.1	5.6	4.2	6.0	4.3	6.7	4.5	7.0	4.7
	29.0	3.9	3.0	4.5	3.5	5.2	4.1	5.6	4.2	6.0	4.3	6.6	4.5	6.9	4.7
	31.0	3.9	3.0	4.5	3.5	5.2	4.1	5.6	4.2	6.0	4.3	6.5	4.5	6.8	4.6
	33.0	3.9	3.0	4.5	3.5	5.2	4.1	5.6	4.2	6.0	4.3	6.4	4.5	6.7	4.5
	35.0	3.9	3.0	4.5	3.5	5.2	4.1	5.6	4.2	6.0	4.3	6.4	4.5	6.6	4.6
	37.0	3.9	3.0	4.5	3.5	5.2	4.1	5.6	4.2	6.0	4.4	6.3	4.5	6.5	4.5
	39.0	3.9	3.0	4.5	3.5	5.2	4.1	5.6	4.2	6.0	4.4	6.2	4.5	6.4	4.4
	40.0	3.9	3.0	4.5	3.5	5.2	4.1	5.6	4.2	5.9	4.4	6.1	4.5	6.3	4.4
	43.0	3.9	3.0	4.5	3.5	5.2	4.1	5.6	4.2	5.8	4.3	6.0	4.4	6.2	4.3
6.3	10.0	4.4	3.4	5.1	4.0	5.8	4.6	6.3	4.7	6.8	4.8	7.7	5.0	8.4	5.5
	12.0	4.4	3.4	5.1	4.0	5.8	4.6	6.3	4.7	6.8	4.8	7.7	5.0	8.4	5.5
	14.0	4.4	3.4	5.1	4.0	5.8	4.6	6.3	4.7	6.8	4.8	7.7	5.0	8.4	5.5
	16.0	4.4	3.4	5.1	4.0	5.8	4.6	6.3	4.7	6.8	4.8	7.7	5.0	8.4	5.5
	18.0	4.4	3.4	5.1	4.0	5.8	4.6	6.3	4.7	6.8	4.8	7.7	5.0	8.4	5.5
	20.0	4.4	3.4	5.1	4.0	5.8	4.6	6.3	4.7	6.8	4.8	7.7	5.0	8.4	5.5
	21.0	4.4	3.4	5.1	4.0	5.8	4.6	6.3	4.7	6.8	4.8	7.7	5.0	8.2	5.4
	23.0	4.4	3.4	5.1	4.0	5.8	4.6	6.3	4.7	6.8	4.8	7.7	5.0	8.1	5.3
	25.0	4.4	3.4	5.1	4.0	5.8	4.6	6.3	4.7	6.8	4.8	7.6	5.1	7.9	5.3
	27.0	4.4	3.4	5.1	4.0	5.8	4.6	6.3	4.7	6.8	4.8	7.5	5.1	7.9	5.3
	29.0	4.4	3.4	5.1	4.0	5.8	4.6	6.3	4.7	6.8	4.8	7.4	5.1	7.7	5.3
	31.0	4.4	3.4	5.1	4.0	5.8	4.6	6.3	4.7	6.8	4.8	7.3	5.1	7.6	5.2
	33.0	4.4	3.4	5.1	4.0	5.8	4.6	6.3	4.7	6.8	4.8	7.2	5.1	7.5	5.1
	35.0	4.4	3.4	5.1	4.0	5.8	4.6	6.3	4.7	6.8	4.8	7.2	5.1	7.4	5.1
	37.0	4.4	3.4	5.1	4.0	5.8	4.6	6.3	4.7	6.8	5.0	7.1	5.1	7.3	5.0
	39.0	4.4	3.4	5.1	4.0	5.8	4.6	6.3	4.7	6.7	4.9	6.9	5.1	7.2	5.0
	40.0	4.4	3.4	5.1	4.0	5.8	4.6	6.3	4.7	6.6	4.9	6.9	5.0	7.1	4.9
	43.0	4.4	3.4	5.1	4.0	5.8	4.6	6.3	4.7	6.5	4.8	6.8	5.0	6.9	4.9

Cooling Capacity (kW)	Outdoor temperature (°CDB)	Indoor temperature (°C WB/°C DB)													
		14.0°CWB		16.0°CWB		18.0°CWB		19.0°CWB		20.0°CWB		22.0°CWB		24.0°CWB	
		20°CDB		23°CDB		26°CDB		27°CDB		28°CDB		30°CDB		32°CDB	
		TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
7.1	10.0	5.0	3.8	5.8	4.5	6.5	5.2	7.1	5.3	7.7	5.4	8.7	5.7	9.5	6.2
	12.0	5.0	3.8	5.8	4.5	6.5	5.2	7.1	5.3	7.7	5.4	8.7	5.7	9.5	6.2
	14.0	5.0	3.8	5.8	4.5	6.5	5.2	7.1	5.3	7.7	5.4	8.7	5.7	9.5	6.2
	16.0	5.0	3.8	5.8	4.5	6.5	5.2	7.1	5.3	7.7	5.4	8.7	5.7	9.5	6.2
	18.0	5.0	3.8	5.8	4.5	6.5	5.2	7.1	5.3	7.7	5.4	8.7	5.7	9.5	6.2
	20.0	5.0	3.8	5.8	4.5	6.5	5.2	7.1	5.3	7.7	5.4	8.7	5.7	9.4	6.2
	21.0	5.0	3.8	5.8	4.5	6.5	5.2	7.1	5.3	7.7	5.4	8.7	5.7	9.2	6.1
	23.0	5.0	3.8	5.8	4.5	6.5	5.2	7.1	5.3	7.7	5.4	8.7	5.7	9.1	6.0
	25.0	5.0	3.8	5.8	4.5	6.5	5.2	7.1	5.3	7.7	5.4	8.6	5.8	8.9	6.0
	27.0	5.0	3.8	5.8	4.5	6.5	5.2	7.1	5.3	7.7	5.4	8.4	5.7	8.9	5.9
	29.0	5.0	3.8	5.8	4.5	6.5	5.2	7.1	5.3	7.7	5.4	8.3	5.7	8.7	5.9
	31.0	5.0	3.8	5.8	4.5	6.5	5.2	7.1	5.3	7.7	5.4	8.2	5.8	8.6	5.8
	33.0	5.0	3.8	5.8	4.5	6.5	5.2	7.1	5.3	7.7	5.4	8.2	5.7	8.4	5.7
	35.0	5.0	3.8	5.8	4.5	6.5	5.2	7.1	5.3	7.7	5.4	8.1	5.7	8.4	5.8
	37.0	5.0	3.8	5.8	4.5	6.5	5.2	7.1	5.3	7.7	5.6	8.0	5.7	8.2	5.7
	39.0	5.0	3.8	5.8	4.5	6.5	5.2	7.1	5.3	7.6	5.5	7.8	5.7	8.1	5.6
	40.0	5.0	3.8	5.8	4.5	6.5	5.2	7.1	5.3	7.5	5.5	7.7	5.6	8.0	5.6
	43.0	5.0	3.8	5.8	4.5	6.5	5.2	7.1	5.3	7.3	5.4	7.7	5.6	7.8	5.5
8.0	10.0	5.6	4.3	6.5	5.1	7.4	5.9	8.0	6.0	8.6	6.1	9.8	6.4	10.7	7.0
	12.0	5.6	4.3	6.5	5.1	7.4	5.9	8.0	6.0	8.6	6.1	9.8	6.4	10.7	7.0
	14.0	5.6	4.3	6.5	5.1	7.4	5.9	8.0	6.0	8.6	6.1	9.8	6.4	10.7	7.0
	16.0	5.6	4.3	6.5	5.1	7.4	5.9	8.0	6.0	8.6	6.1	9.8	6.4	10.7	7.0
	18.0	5.6	4.3	6.5	5.1	7.4	5.9	8.0	6.0	8.6	6.1	9.8	6.4	10.7	7.0
	20.0	5.6	4.3	6.5	5.1	7.4	5.9	8.0	6.0	8.6	6.1	9.8	6.4	10.6	7.0
	21.0	5.6	4.3	6.5	5.1	7.4	5.9	8.0	6.0	8.6	6.1	9.8	6.4	10.4	6.9
	23.0	5.6	4.3	6.5	5.1	7.4	5.9	8.0	6.0	8.6	6.1	9.8	6.4	10.2	6.8
	25.0	5.6	4.3	6.5	5.1	7.4	5.9	8.0	6.0	8.6	6.1	9.7	6.5	10.1	6.8
	27.0	5.6	4.3	6.5	5.1	7.4	5.9	8.0	6.0	8.6	6.1	9.5	6.5	10.0	6.7
	29.0	5.6	4.3	6.5	5.1	7.4	5.9	8.0	6.0	8.6	6.1	9.4	6.5	9.8	6.7
	31.0	5.6	4.3	6.5	5.1	7.4	5.9	8.0	6.0	8.6	6.1	9.3	6.5	9.7	6.6
	33.0	5.6	4.3	6.5	5.1	7.4	5.9	8.0	6.0	8.6	6.1	9.2	6.4	9.5	6.5
	35.0	5.6	4.3	6.5	5.1	7.4	5.9	8.0	6.0	8.6	6.1	9.1	6.5	9.4	6.5
	37.0	5.6	4.3	6.5	5.1	7.4	5.9	8.0	6.0	8.6	6.3	9.0	6.5	9.3	6.4
	39.0	5.6	4.3	6.5	5.1	7.4	5.9	8.0	6.0	8.6	6.2	8.8	6.4	9.1	6.3
	40.0	5.6	4.3	6.5	5.1	7.4	5.9	8.0	6.0	8.4	6.2	8.7	6.4	9.0	6.3
	43.0	5.6	4.3	6.5	5.1	7.4	5.9	8.0	6.0	8.2	6.1	8.6	6.3	8.8	6.2

Cooling Capacity (kW)	Outdoor temperature (°CDB)	Indoor temperature (°C WB/°C DB)													
		14.0°CWB		16.0°CWB		18.0°CWB		19.0°CWB		20.0°CWB		22.0°CWB		24.0°CWB	
		20°CDB		23°CDB		26°CDB		27°CDB		28°CDB		30°CDB		32°CDB	
		TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
9.0	10	6.3	4.8	7.3	5.7	8.3	6.6	9.0	6.8	9.7	6.9	11.1	7.2	12.1	7.8
	12	6.3	4.8	7.3	5.7	8.3	6.6	9.0	6.8	9.7	6.9	11.1	7.2	12.1	7.8
	14	6.3	4.8	7.3	5.7	8.3	6.6	9.0	6.8	9.7	6.9	11.1	7.2	12.1	7.8
	16	6.3	4.8	7.3	5.7	8.3	6.6	9.0	6.8	9.7	6.9	11.1	7.2	12.1	7.8
	18	6.3	4.8	7.3	5.7	8.3	6.6	9.0	6.8	9.7	6.9	11.1	7.2	12.1	7.8
	20	6.3	4.8	7.3	5.7	8.3	6.6	9.0	6.8	9.7	6.9	11.1	7.2	12.0	7.9
	21	6.3	4.8	7.3	5.7	8.3	6.6	9.0	6.8	9.7	6.9	11.1	7.2	11.7	7.7
	23	6.3	4.8	7.3	5.7	8.3	6.6	9.0	6.8	9.7	6.9	11.1	7.2	11.5	7.6
	25	6.3	4.8	7.3	5.7	8.3	6.6	9.0	6.8	9.7	6.9	10.9	7.3	11.3	7.6
	27	6.3	4.8	7.3	5.7	8.3	6.6	9.0	6.8	9.7	6.9	10.7	7.3	11.3	7.5
	29	6.3	4.8	7.3	5.7	8.3	6.6	9.0	6.8	9.7	6.9	10.5	7.3	11.1	7.5
	31	6.3	4.8	7.3	5.7	8.3	6.6	9.0	6.8	9.7	6.9	10.4	7.3	10.9	7.4
	33	6.3	4.8	7.3	5.7	8.3	6.6	9.0	6.8	9.7	6.9	10.4	7.2	10.7	7.3
	35	6.3	4.8	7.3	5.7	8.3	6.6	9.0	6.8	9.7	6.9	10.3	7.3	10.6	7.3
	37	6.3	4.8	7.3	5.7	8.3	6.6	9.0	6.8	9.7	7.1	10.1	7.3	10.4	7.2
	39	6.3	4.8	7.3	5.7	8.3	6.6	9.0	6.8	9.6	7.0	9.9	7.2	10.3	7.1
	40	6.3	4.8	7.3	5.7	8.3	6.6	9.0	6.8	9.5	7.0	9.8	7.2	10.1	7.1
	43	6.3	4.8	7.3	5.7	8.3	6.6	9.0	6.8	9.3	6.9	9.7	7.1	9.9	6.9
10.0	10	7.0	5.3	8.1	6.3	9.2	7.4	10.0	7.5	10.8	7.7	12.3	8.0	13.4	8.7
	12	7.0	5.3	8.1	6.3	9.2	7.4	10.0	7.5	10.8	7.7	12.3	8.0	13.4	8.7
	14	7.0	5.3	8.1	6.3	9.2	7.4	10.0	7.5	10.8	7.7	12.3	8.0	13.4	8.7
	16	7.0	5.3	8.1	6.3	9.2	7.4	10.0	7.5	10.8	7.7	12.3	8.0	13.4	8.7
	18	7.0	5.3	8.1	6.3	9.2	7.4	10.0	7.5	10.8	7.7	12.3	8.0	13.4	8.7
	20	7.0	5.3	8.1	6.3	9.2	7.4	10.0	7.5	10.8	7.7	12.3	8.0	13.3	8.8
	21	7.0	5.3	8.1	6.3	9.2	7.4	10.0	7.5	10.8	7.7	12.3	8.0	13.0	8.6
	23	7.0	5.3	8.1	6.3	9.2	7.4	10.0	7.5	10.8	7.7	12.3	8.0	12.8	8.4
	25	7.0	5.3	8.1	6.3	9.2	7.4	10.0	7.5	10.8	7.7	12.1	8.1	12.6	8.4
	27	7.0	5.3	8.1	6.3	9.2	7.4	10.0	7.5	10.8	7.7	11.9	8.1	12.5	8.4
	29	7.0	5.3	8.1	6.3	9.2	7.4	10.0	7.5	10.8	7.7	11.7	8.1	12.3	8.4
	31	7.0	5.3	8.1	6.3	9.2	7.4	10.0	7.5	10.8	7.7	11.6	8.1	12.1	8.2
	33	7.0	5.3	8.1	6.3	9.2	7.4	10.0	7.5	10.8	7.7	11.5	8.1	11.9	8.1
	35	7.0	5.3	8.1	6.3	9.2	7.4	10.0	7.5	10.8	7.7	11.4	8.1	11.8	8.1
	37	7.0	5.3	8.1	6.3	9.2	7.4	10.0	7.5	10.8	7.9	11.2	8.1	11.6	8.0
	39	7.0	5.3	8.1	6.3	9.2	7.4	10.0	7.5	10.7	7.8	11.0	8.0	11.4	7.9
	40	7.0	5.3	8.1	6.3	9.2	7.4	10.0	7.5	10.5	7.8	10.9	8.0	11.2	7.8
	43	7.0	5.3	8.1	6.3	9.2	7.4	10.0	7.5	10.3	7.6	10.8	7.9	11.0	7.7

Cooling Capacity (kW)	Outdoor temperature (°CDB)	Indoor temperature (°C WB/°C DB)													
		14.0°CWB		16.0°CWB		18.0°CWB		19.0°CWB		20.0°CWB		22.0°CWB		24.0°CWB	
		20°CDB		23°CDB		26°CDB		27°CDB		28°CDB		30°CDB		32°CDB	
		TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
11.2	10	7.8	6.0	9.1	7.1	10.3	8.2	11.2	8.4	12.1	8.6	13.8	9.0	15.0	9.8
	12	7.8	6.0	9.1	7.1	10.3	8.2	11.2	8.4	12.1	8.6	13.8	9.0	15.0	9.8
	14	7.8	6.0	9.1	7.1	10.3	8.2	11.2	8.4	12.1	8.6	13.8	9.0	15.0	9.8
	16	7.8	6.0	9.1	7.1	10.3	8.2	11.2	8.4	12.1	8.6	13.8	9.0	15.0	9.8
	18	7.8	6.0	9.1	7.1	10.3	8.2	11.2	8.4	12.1	8.6	13.8	9.0	15.0	9.8
	20	7.8	6.0	9.1	7.1	10.3	8.2	11.2	8.4	12.1	8.6	13.8	9.0	14.9	9.8
	21	7.8	6.0	9.1	7.1	10.3	8.2	11.2	8.4	12.1	8.6	13.8	9.0	14.6	9.6
	23	7.8	6.0	9.1	7.1	10.3	8.2	11.2	8.4	12.1	8.6	13.8	9.0	14.3	9.5
	25	7.8	6.0	9.1	7.1	10.3	8.2	11.2	8.4	12.1	8.6	13.6	9.1	14.1	9.5
	27	7.8	6.0	9.1	7.1	10.3	8.2	11.2	8.4	12.1	8.6	13.3	9.0	14.0	9.4
	29	7.8	6.0	9.1	7.1	10.3	8.2	11.2	8.4	12.1	8.6	13.1	9.0	13.8	9.4
	31	7.8	6.0	9.1	7.1	10.3	8.2	11.2	8.4	12.1	8.6	13.0	9.1	13.6	9.2
	33	7.8	6.0	9.1	7.1	10.3	8.2	11.2	8.4	12.1	8.6	12.9	9.0	13.3	9.1
	35	7.8	6.0	9.1	7.1	10.3	8.2	11.2	8.4	12.1	8.6	12.8	9.1	13.2	9.1
	37	7.8	6.0	9.1	7.1	10.3	8.2	11.2	8.4	12.1	8.8	12.5	9.0	13.0	9.0
	39	7.8	6.0	9.1	7.1	10.3	8.2	11.2	8.4	12.0	8.7	12.3	9.0	12.8	8.8
	40	7.8	6.0	9.1	7.1	10.3	8.2	11.2	8.4	11.8	8.7	12.2	8.9	12.5	8.8
	43	7.8	6.0	9.1	7.1	10.3	8.2	11.2	8.4	11.5	8.5	12.1	8.8	12.3	8.6
12.5	10	8.8	6.7	10.1	7.9	11.5	9.2	12.5	9.4	13.5	9.6	15.4	10.0	16.8	10.9
	12	8.8	6.7	10.1	7.9	11.5	9.2	12.5	9.4	13.5	9.6	15.4	10.0	16.8	10.9
	14	8.8	6.7	10.1	7.9	11.5	9.2	12.5	9.4	13.5	9.6	15.4	10.0	16.8	10.9
	16	8.8	6.7	10.1	7.9	11.5	9.2	12.5	9.4	13.5	9.6	15.4	10.0	16.8	10.9
	18	8.8	6.7	10.1	7.9	11.5	9.2	12.5	9.4	13.5	9.6	15.4	10.0	16.8	10.9
	20	8.8	6.7	10.1	7.9	11.5	9.2	12.5	9.4	13.5	9.6	15.4	10.0	16.6	11.0
	21	8.8	6.7	10.1	7.9	11.5	9.2	12.5	9.4	13.5	9.6	15.4	10.0	16.3	10.7
	23	8.8	6.7	10.1	7.9	11.5	9.2	12.5	9.4	13.5	9.6	15.4	10.0	16.0	10.6
	25	8.8	6.7	10.1	7.9	11.5	9.2	12.5	9.4	13.5	9.6	15.1	10.1	15.8	10.6
	27	8.8	6.7	10.1	7.9	11.5	9.2	12.5	9.4	13.5	9.6	14.9	10.1	15.6	10.5
	29	8.8	6.7	10.1	7.9	11.5	9.2	12.5	9.4	13.5	9.6	14.6	10.1	15.4	10.5
	31	8.8	6.7	10.1	7.9	11.5	9.2	12.5	9.4	13.5	9.6	14.5	10.2	15.1	10.3
	33	8.8	6.7	10.1	7.9	11.5	9.2	12.5	9.4	13.5	9.6	14.4	10.1	14.9	10.1
	35	8.8	6.7	10.1	7.9	11.5	9.2	12.5	9.4	13.5	9.6	14.3	10.1	14.8	10.2
	37	8.8	6.7	10.1	7.9	11.5	9.2	12.5	9.4	13.5	9.9	14.0	10.1	14.5	10.0
	39	8.8	6.7	10.1	7.9	11.5	9.2	12.5	9.4	13.4	9.8	13.8	10.0	14.3	9.8
	40	8.8	6.7	10.1	7.9	11.5	9.2	12.5	9.4	13.1	9.7	13.6	9.9	14.0	9.8
	43	8.8	6.7	10.1	7.9	11.5	9.2	12.5	9.4	12.9	9.5	13.5	9.9	13.8	9.6

Cooling Capacity (kW)	Outdoor temperature (°CDB)	Indoor temperature (°C WB/°C DB)													
		14.0°CWB		16.0°CWB		18.0°CWB		19.0°CWB		20.0°CWB		22.0°CWB		24.0°CWB	
		20°CDB		23°CDB		26°CDB		27°CDB		28°CDB		30°CDB		32°CDB	
		TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
14.0	10	9.8	7.4	11.3	8.8	12.9	10.3	14.0	10.5	15.1	10.7	17.2	11.2	18.8	12.2
	12	9.8	7.4	11.3	8.8	12.9	10.3	14.0	10.5	15.1	10.7	17.2	11.2	18.8	12.2
	14	9.8	7.4	11.3	8.8	12.9	10.3	14.0	10.5	15.1	10.7	17.2	11.2	18.8	12.2
	16	9.8	7.4	11.3	8.8	12.9	10.3	14.0	10.5	15.1	10.7	17.2	11.2	18.8	12.2
	18	9.8	7.4	11.3	8.8	12.9	10.3	14.0	10.5	15.1	10.7	17.2	11.2	18.8	12.2
	20	9.8	7.4	11.3	8.8	12.9	10.3	14.0	10.5	15.1	10.7	17.2	11.2	18.6	12.3
	21	9.8	7.4	11.3	8.8	12.9	10.3	14.0	10.5	15.1	10.7	17.2	11.2	18.2	12.0
	23	9.8	7.4	11.3	8.8	12.9	10.3	14.0	10.5	15.1	10.7	17.2	11.2	17.9	11.8
	25	9.8	7.4	11.3	8.8	12.9	10.3	14.0	10.5	15.1	10.7	16.9	11.3	17.6	11.8
	27	9.8	7.4	11.3	8.8	12.9	10.3	14.0	10.5	15.1	10.7	16.6	11.3	17.5	11.7
	29	9.8	7.4	11.3	8.8	12.9	10.3	14.0	10.5	15.1	10.7	16.4	11.3	17.2	11.7
	31	9.8	7.4	11.3	8.8	12.9	10.3	14.0	10.5	15.1	10.7	16.2	11.4	16.9	11.5
	33	9.8	7.4	11.3	8.8	12.9	10.3	14.0	10.5	15.1	10.7	16.1	11.3	16.7	11.3
	35	9.8	7.4	11.3	8.8	12.9	10.3	14.0	10.5	15.1	10.7	16.0	11.3	16.5	11.4
	37	9.8	7.4	11.3	8.8	12.9	10.3	14.0	10.5	15.1	11.0	15.7	11.3	16.2	11.2
	39	9.8	7.4	11.3	8.8	12.9	10.3	14.0	10.5	15.0	10.9	15.4	11.2	16.0	11.0
	40	9.8	7.4	11.3	8.8	12.9	10.3	14.0	10.5	14.7	10.9	15.3	11.1	15.7	11.0
	43	9.8	7.4	11.3	8.8	12.9	10.3	14.0	10.5	14.4	10.7	15.1	11.0	15.4	10.8

2 Heating Capacity Correction

TC: Total Capacity; SC: Sensible Capacity

Heating Capacity (kW)	Outdoor temperature		Indoor temperature°CDB						
			16.0	18.0	20.0	21.0	22.0	24.0	26.0
			TC	TC	TC	TC	TC	TC	TC
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW
1.5	-19.7	-20.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	-14.7	-15.0	1.2	1.2	1.2	1.2	1.2	1.2	1.1
	-12.6	-13.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	-10.5	-11.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3
	-9.5	-10.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3
	-8.5	-9.1	1.4	1.4	1.4	1.4	1.4	1.4	1.3
	-7.0	-7.6	1.4	1.4	1.4	1.4	1.4	1.4	1.3
	-5.0	-5.6	1.4	1.4	1.4	1.4	1.4	1.4	1.4
	-3.0	-3.7	1.5	1.5	1.5	1.5	1.5	1.5	1.4
	0.0	-0.7	1.6	1.6	1.6	1.6	1.6	1.5	1.4
	3.0	2.2	1.7	1.7	1.7	1.7	1.7	1.5	1.4
	5.0	4.1	1.7	1.7	1.7	1.7	1.7	1.5	1.4
	7.0	6.0	1.8	1.8	1.8	1.7	1.7	1.5	1.4
	9.0	7.9	1.9	1.9	1.8	1.7	1.7	1.5	1.4
	11.0	9.8	1.9	1.9	1.8	1.7	1.7	1.5	1.4
	13.0	11.8	2.0	1.9	1.8	1.7	1.7	1.5	1.4
	15.0	13.7	2.1	1.9	1.8	1.7	1.7	1.5	1.4
1.8	-19.7	-20.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	-14.7	-15.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4
	-12.6	-13.0	1.5	1.5	1.5	1.5	1.5	1.5	1.4
	-10.5	-11.0	1.6	1.6	1.6	1.6	1.6	1.6	1.5
	-9.5	-10.0	1.6	1.6	1.6	1.6	1.6	1.6	1.5
	-8.5	-9.1	1.7	1.7	1.7	1.7	1.7	1.7	1.6
	-7.0	-7.6	1.7	1.7	1.7	1.7	1.7	1.7	1.6
	-5.0	-5.6	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	-3.0	-3.7	1.8	1.8	1.8	1.8	1.8	1.9	1.8
	0.0	-0.7	1.9	1.9	1.9	1.9	1.9	1.9	1.8
	3.0	2.2	2.1	2.1	2.1	2.1	2.0	1.9	1.8
	5.0	4.1	2.1	2.1	2.1	2.1	2.0	1.9	1.8
	7.0	6.0	2.2	2.2	2.2	2.1	2.0	1.9	1.8
	9.0	7.9	2.3	2.3	2.2	2.1	2.0	1.9	1.8
	11.0	9.8	2.4	2.4	2.2	2.1	2.0	1.9	1.8
	13.0	11.8	2.5	2.4	2.2	2.1	2.0	1.9	1.8
	15.0	13.7	2.5	2.4	2.2	2.1	2.0	1.9	1.8

Heating Capacity (kW)	Outdoor temperature		Indoor temperature°CDB						
			16.0	18.0	20.0	21.0	22.0	24.0	26.0
			TC	TC	TC	TC	TC	TC	TC
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW
2.2	-19.7	-20.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4
	-14.7	-15.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	-12.6	-13.0	1.7	1.7	1.7	1.7	1.7	1.7	1.6
	-10.5	-11.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	-9.5	-10.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	-8.5	-9.1	1.9	1.9	1.9	1.9	1.9	1.9	1.8
	-7.0	-7.6	1.9	1.9	1.9	1.9	1.9	1.9	1.8
	-5.0	-5.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	-3.0	-3.7	2.1	2.1	2.1	2.1	2.1	2.1	2.0
	0.0	-0.7	2.2	2.2	2.2	2.2	2.2	2.1	2.0
	3.0	2.2	2.4	2.4	2.4	2.4	2.3	2.1	2.0
	5.0	4.1	2.4	2.4	2.4	2.4	2.3	2.1	2.0
	7.0	6.0	2.5	2.5	2.5	2.4	2.3	2.1	2.0
	9.0	7.9	2.6	2.6	2.5	2.4	2.3	2.1	2.0
	11.0	9.8	2.7	2.7	2.5	2.4	2.3	2.1	2.0
	13.0	11.8	2.8	2.7	2.5	2.4	2.3	2.1	2.0
	15.0	13.7	2.9	2.7	2.5	2.4	2.3	2.1	2.0
2.5	-19.7	-20.0	1.6	1.6	1.6	1.6	1.6	1.6	1.5
	-14.7	-15.0	1.8	1.8	1.8	1.8	1.8	1.8	1.7
	-12.6	-13.0	1.9	1.9	1.9	1.9	1.9	1.9	1.8
	-10.5	-11.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	-9.5	-10.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	-8.5	-9.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	-7.0	-7.6	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	-5.0	-5.6	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	-3.0	-3.7	2.4	2.4	2.4	2.4	2.4	2.4	2.2
	0.0	-0.7	2.5	2.5	2.5	2.5	2.5	2.4	2.2
	3.0	2.2	2.7	2.7	2.7	2.7	2.6	2.4	2.2
	5.0	4.1	2.7	2.7	2.7	2.7	2.6	2.4	2.2
	7.0	6.0	2.8	2.8	2.8	2.7	2.6	2.4	2.2
	9.0	7.9	2.9	2.9	2.8	2.7	2.6	2.4	2.2
	11.0	9.8	3.0	3.0	2.8	2.7	2.6	2.4	2.2
	13.0	11.8	3.1	3.0	2.8	2.7	2.6	2.4	2.2
	15.0	13.7	3.2	3.0	2.8	2.7	2.6	2.4	2.2

Heating Capacity (kW)	Outdoor temperature		Indoor temperature°CDB						
			16.0	18.0	20.0	21.0	22.0	24.0	26.0
			TC	TC	TC	TC	TC	TC	TC
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW
2.8	-19.7	-20.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	-14.7	-15.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	-12.6	-13.0	2.2	2.2	2.2	2.2	2.2	2.2	2.1
	-10.5	-11.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
	-9.5	-10.0	2.3	2.3	2.3	2.3	2.3	2.3	2.2
	-8.5	-9.1	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	-7.0	-7.6	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	-5.0	-5.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	-3.0	-3.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6
	0.0	-0.7	2.8	2.8	2.8	2.8	2.8	2.7	2.6
	3.0	2.2	3.1	3.1	3.1	3.1	3.0	2.7	2.6
	5.0	4.1	3.1	3.1	3.1	3.1	3.0	2.7	2.6
	7.0	6.0	3.2	3.2	3.2	3.1	3.0	2.7	2.6
	9.0	7.9	3.3	3.3	3.2	3.1	3.0	2.7	2.6
	11.0	9.8	3.5	3.5	3.2	3.1	3.0	2.7	2.6
	13.0	11.8	3.6	3.5	3.2	3.1	3.0	2.7	2.6
	15.0	13.7	3.7	3.5	3.2	3.1	3.0	2.7	2.6
3.2	-19.7	-20.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	-14.7	-15.0	2.3	2.3	2.3	2.3	2.3	2.3	2.2
	-12.6	-13.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	-10.5	-11.0	2.6	2.6	2.6	2.6	2.6	2.6	2.5
	-9.5	-10.0	2.6	2.6	2.6	2.6	2.6	2.6	2.5
	-8.5	-9.1	2.7	2.7	2.7	2.7	2.7	2.7	2.6
	-7.0	-7.6	2.7	2.7	2.7	2.7	2.7	2.7	2.6
	-5.0	-5.6	2.9	2.9	2.9	2.9	2.9	2.9	2.9
	-3.0	-3.7	3.0	3.0	3.0	3.0	3.0	3.0	2.9
	0.0	-0.7	3.2	3.2	3.2	3.2	3.2	3.0	2.9
	3.0	2.2	3.5	3.5	3.5	3.5	3.3	3.0	2.9
	5.0	4.1	3.5	3.5	3.5	3.5	3.3	3.0	2.9
	7.0	6.0	3.6	3.6	3.6	3.5	3.3	3.0	2.9
	9.0	7.9	3.7	3.7	3.6	3.5	3.3	3.0	2.9
	11.0	9.8	3.9	3.9	3.6	3.5	3.3	3.0	2.9
	13.0	11.8	4.0	3.9	3.6	3.5	3.3	3.0	2.9
	15.0	13.7	4.2	3.9	3.6	3.5	3.3	3.0	2.9

Heating Capacity (kW)	Outdoor temperature		Indoor temperature°CDB						
			16.0	18.0	20.0	21.0	22.0	24.0	26.0
			TC	TC	TC	TC	TC	TC	TC
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW
3.6	-19.7	-20.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	-14.7	-15.0	2.6	2.6	2.6	2.6	2.6	2.6	2.5
	-12.6	-13.0	2.7	2.7	2.7	2.7	2.7	2.7	2.6
	-10.5	-11.0	2.9	2.9	2.9	2.9	2.9	2.9	2.8
	-9.5	-10.0	2.9	2.9	2.9	2.9	2.9	2.9	2.8
	-8.5	-9.1	3.0	3.0	3.0	3.0	3.0	3.0	2.9
	-7.0	-7.6	3.0	3.0	3.0	3.0	3.0	3.0	2.9
	-5.0	-5.6	3.2	3.2	3.2	3.2	3.2	3.2	3.2
	-3.0	-3.7	3.4	3.4	3.4	3.4	3.4	3.4	3.2
	0.0	-0.7	3.5	3.5	3.5	3.5	3.5	3.4	3.2
	3.0	2.2	3.8	3.8	3.8	3.8	3.7	3.4	3.2
	5.0	4.1	3.8	3.8	3.8	3.8	3.7	3.4	3.2
	7.0	6.0	4.0	4.0	4.0	3.8	3.7	3.4	3.2
	9.0	7.9	4.2	4.2	4.0	3.8	3.7	3.4	3.2
	11.0	9.8	4.3	4.3	4.0	3.8	3.7	3.4	3.2
	13.0	11.8	4.5	4.3	4.0	3.8	3.7	3.4	3.2
	15.0	13.7	4.6	4.3	4.0	3.8	3.7	3.4	3.2
4.0	-19.7	-20.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	-14.7	-15.0	2.9	2.9	2.9	2.9	2.9	2.9	2.8
	-12.6	-13.0	3.1	3.1	3.1	3.1	3.1	3.1	3.0
	-10.5	-11.0	3.2	3.2	3.2	3.2	3.2	3.2	3.2
	-9.5	-10.0	3.2	3.2	3.2	3.2	3.2	3.2	3.2
	-8.5	-9.1	3.4	3.4	3.4	3.4	3.4	3.4	3.3
	-7.0	-7.6	3.4	3.4	3.4	3.4	3.4	3.4	3.3
	-5.0	-5.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
	-3.0	-3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.6
	0.0	-0.7	4.0	4.0	4.0	4.0	4.0	3.8	3.6
	3.0	2.2	4.3	4.3	4.3	4.3	4.1	3.8	3.6
	5.0	4.1	4.3	4.3	4.3	4.3	4.1	3.8	3.6
	7.0	6.0	4.5	4.5	4.5	4.3	4.1	3.8	3.6
	9.0	7.9	4.7	4.7	4.5	4.3	4.1	3.8	3.6
	11.0	9.8	4.9	4.9	4.5	4.3	4.1	3.8	3.6
	13.0	11.8	5.1	4.9	4.5	4.3	4.1	3.8	3.6
	15.0	13.7	5.2	4.9	4.5	4.3	4.1	3.8	3.6

Heating Capacity (kW)	Outdoor temperature		Indoor temperature°CDB						
			16.0	18.0	20.0	21.0	22.0	24.0	26.0
			TC	TC	TC	TC	TC	TC	TC
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW
4.5	-19.7	-20.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8
	-14.7	-15.0	3.2	3.2	3.2	3.2	3.2	3.2	3.1
	-12.6	-13.0	3.4	3.4	3.4	3.4	3.4	3.4	3.3
	-10.5	-11.0	3.6	3.6	3.6	3.6	3.6	3.6	3.5
	-9.5	-10.0	3.6	3.6	3.6	3.6	3.6	3.6	3.5
	-8.5	-9.1	3.8	3.8	3.8	3.8	3.8	3.8	3.7
	-7.0	-7.6	3.8	3.8	3.8	3.8	3.8	3.8	3.7
	-5.0	-5.6	4.0	4.0	4.0	4.0	4.0	4.0	4.0
	-3.0	-3.7	4.2	4.2	4.2	4.2	4.2	4.2	4.0
	0.0	-0.7	4.4	4.4	4.4	4.4	4.4	4.2	4.0
	3.0	2.2	4.8	4.8	4.8	4.8	4.6	4.2	4.0
	5.0	4.1	4.8	4.8	4.8	4.8	4.6	4.2	4.0
	7.0	6.0	5.0	5.0	5.0	4.8	4.6	4.2	4.0
	9.0	7.9	5.2	5.2	5.0	4.8	4.6	4.2	4.0
	11.0	9.8	5.4	5.4	5.0	4.8	4.6	4.2	4.0
	13.0	11.8	5.6	5.4	5.0	4.8	4.6	4.2	4.0
	15.0	13.7	5.8	5.4	5.0	4.8	4.6	4.2	4.0
5.0	-19.7	-20.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1
	-14.7	-15.0	3.6	3.6	3.6	3.6	3.6	3.6	3.5
	-12.6	-13.0	3.8	3.8	3.8	3.8	3.8	3.8	3.7
	-10.5	-11.0	4.0	4.0	4.0	4.0	4.0	4.0	3.9
	-9.5	-10.0	4.0	4.0	4.0	4.0	4.0	4.0	3.9
	-8.5	-9.1	4.3	4.3	4.3	4.3	4.3	4.3	4.1
	-7.0	-7.6	4.3	4.3	4.3	4.3	4.3	4.3	4.1
	-5.0	-5.6	4.5	4.5	4.5	4.5	4.5	4.5	4.5
	-3.0	-3.7	4.7	4.7	4.7	4.7	4.7	4.7	4.5
	0.0	-0.7	4.9	4.9	4.9	4.9	4.9	4.7	4.5
	3.0	2.2	5.4	5.4	5.4	5.4	5.2	4.7	4.5
	5.0	4.1	5.4	5.4	5.4	5.4	5.2	4.7	4.5
	7.0	6.0	5.6	5.6	5.6	5.4	5.2	4.7	4.5
	9.0	7.9	5.8	5.8	5.6	5.4	5.2	4.7	4.5
	11.0	9.8	6.0	6.0	5.6	5.4	5.2	4.7	4.5
	13.0	11.8	6.3	6.0	5.6	5.4	5.2	4.7	4.5
	15.0	13.7	6.5	6.0	5.6	5.4	5.2	4.7	4.5

Heating Capacity (kW)	Outdoor temperature		Indoor temperature°CDB						
			16.0	18.0	20.0	21.0	22.0	24.0	26.0
			TC	TC	TC	TC	TC	TC	TC
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW
5.6	-19.7	-20.0	3.5	3.5	3.5	3.5	3.5	3.5	3.5
	-14.7	-15.0	4.0	4.0	4.0	4.0	4.0	4.0	3.9
	-12.6	-13.0	4.3	4.3	4.3	4.3	4.3	4.3	4.1
	-10.5	-11.0	4.5	4.5	4.5	4.5	4.5	4.5	4.4
	-9.5	-10.0	4.5	4.5	4.5	4.5	4.5	4.5	4.4
	-8.5	-9.1	4.8	4.8	4.8	4.8	4.8	4.8	4.6
	-7.0	-7.6	4.8	4.8	4.8	4.8	4.8	4.8	4.6
	-5.0	-5.6	5.0	5.0	5.0	5.0	5.0	5.0	5.0
	-3.0	-3.7	5.3	5.3	5.3	5.3	5.3	5.3	5.0
	0.0	-0.7	5.5	5.5	5.5	5.5	5.5	5.3	5.0
	3.0	2.2	6.0	6.0	6.0	6.0	5.8	5.3	5.0
	5.0	4.1	6.0	6.0	6.0	6.0	5.8	5.3	5.0
	7.0	6.0	6.3	6.3	6.3	6.0	5.8	5.3	5.0
	9.0	7.9	6.6	6.6	6.3	6.0	5.8	5.3	5.0
	11.0	9.8	6.8	6.8	6.3	6.0	5.8	5.3	5.0
	13.0	11.8	7.1	6.8	6.3	6.0	5.8	5.3	5.0
	15.0	13.7	7.3	6.8	6.3	6.0	5.8	5.3	5.0
6.3	-19.7	-20.0	4.0	4.0	4.0	4.0	4.0	4.0	3.9
	-14.7	-15.0	4.5	4.5	4.5	4.5	4.5	4.5	4.4
	-12.6	-13.0	4.8	4.8	4.8	4.8	4.8	4.8	4.7
	-10.5	-11.0	5.1	5.1	5.1	5.1	5.1	5.1	5.0
	-9.5	-10.0	5.1	5.1	5.1	5.1	5.1	5.1	5.0
	-8.5	-9.1	5.4	5.4	5.4	5.4	5.4	5.4	5.2
	-7.0	-7.6	5.4	5.4	5.4	5.4	5.4	5.4	5.2
	-5.0	-5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7
	-3.0	-3.7	6.0	6.0	6.0	6.0	6.0	6.0	5.7
	0.0	-0.7	6.2	6.2	6.2	6.2	6.2	6.0	5.7
	3.0	2.2	6.8	6.8	6.8	6.8	6.5	6.0	5.7
	5.0	4.1	6.8	6.8	6.8	6.8	6.5	6.0	5.7
	7.0	6.0	7.1	7.1	7.1	6.8	6.5	6.0	5.7
	9.0	7.9	7.4	7.4	7.1	6.8	6.5	6.0	5.7
	11.0	9.8	7.7	7.7	7.1	6.8	6.5	6.0	5.7
	13.0	11.8	8.0	7.7	7.1	6.8	6.5	6.0	5.7
	15.0	13.7	8.2	7.7	7.1	6.8	6.5	6.0	5.7

Heating Capacity (kW)	Outdoor temperature		Indoor temperature°CDB						
			16.0	18.0	20.0	21.0	22.0	24.0	26.0
			TC	TC	TC	TC	TC	TC	TC
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW
7.1	-19.7	-20.0	4.5	4.5	4.5	4.5	4.5	4.5	4.4
	-14.7	-15.0	5.1	5.1	5.1	5.1	5.1	5.1	5.0
	-12.6	-13.0	5.4	5.4	5.4	5.4	5.4	5.4	5.2
	-10.5	-11.0	5.8	5.8	5.8	5.8	5.8	5.8	5.6
	-9.5	-10.0	5.8	5.8	5.8	5.8	5.8	5.8	5.6
	-8.5	-9.1	6.1	6.1	6.1	6.1	6.1	6.1	5.9
	-7.0	-7.6	6.1	6.1	6.1	6.1	6.1	6.1	5.9
	-5.0	-5.6	6.4	6.4	6.4	6.4	6.4	6.4	6.4
	-3.0	-3.7	6.7	6.7	6.7	6.7	6.7	6.7	6.4
	0.0	-0.7	7.0	7.0	7.0	7.0	7.0	6.7	6.4
	3.0	2.2	7.7	7.7	7.7	7.7	7.4	6.7	6.4
	5.0	4.1	7.7	7.7	7.7	7.7	7.4	6.7	6.4
	7.0	6.0	8.0	8.0	8.0	7.7	7.4	6.7	6.4
	9.0	7.9	8.3	8.3	8.0	7.7	7.4	6.7	6.4
	11.0	9.8	8.6	8.6	8.0	7.7	7.4	6.7	6.4
	13.0	11.8	9.0	8.6	8.0	7.7	7.4	6.7	6.4
	15.0	13.7	9.2	8.6	8.0	7.7	7.4	6.7	6.4
8.0	-19.7	-20.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
	-14.7	-15.0	5.8	5.8	5.8	5.8	5.8	5.8	5.6
	-12.6	-13.0	6.1	6.1	6.1	6.1	6.1	6.1	5.9
	-10.5	-11.0	6.5	6.5	6.5	6.5	6.5	6.5	6.3
	-9.5	-10.0	6.5	6.5	6.5	6.5	6.5	6.5	6.3
	-8.5	-9.1	6.8	6.8	6.8	6.8	6.8	6.8	6.6
	-7.0	-7.6	6.8	6.8	6.8	6.8	6.8	6.8	6.6
	-5.0	-5.6	7.2	7.2	7.2	7.2	7.2	7.2	7.2
	-3.0	-3.7	7.6	7.6	7.6	7.6	7.6	7.6	7.2
	0.0	-0.7	7.9	7.9	7.9	7.9	7.9	7.6	7.2
	3.0	2.2	8.6	8.6	8.6	8.6	8.3	7.6	7.2
	5.0	4.1	8.6	8.6	8.6	8.6	8.3	7.6	7.2
	7.0	6.0	9.0	9.0	9.0	8.6	8.3	7.6	7.2
	9.0	7.9	9.4	9.4	9.0	8.6	8.3	7.6	7.2
	11.0	9.8	9.7	9.7	9.0	8.6	8.3	7.6	7.2
	13.0	11.8	10.1	9.7	9.0	8.6	8.3	7.6	7.2
	15.0	13.7	10.4	9.7	9.0	8.6	8.3	7.6	7.2

Heating Capacity (kW)	Outdoor temperature		Indoor temperature°CDB						
			16.0	18.0	20.0	21.0	22.0	24.0	26.0
			TC	TC	TC	TC	TC	TC	TC
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW
9.0	-19.7	-20.0	5.6	5.6	5.6	5.6	5.6	5.6	5.5
	-14.7	-15.0	6.4	6.4	6.4	6.4	6.4	6.4	6.2
	-12.6	-13.0	6.8	6.8	6.8	6.8	6.8	6.8	6.6
	-10.5	-11.0	7.2	7.2	7.2	7.2	7.2	7.2	7.0
	-9.5	-10.0	7.2	7.2	7.2	7.2	7.2	7.2	7.0
	-8.5	-9.1	7.6	7.6	7.6	7.6	7.6	7.6	7.4
	-7.0	-7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.4
	-5.0	-5.6	8.0	8.0	8.0	8.0	8.0	8.0	8.0
	-3.0	-3.7	8.4	8.4	8.4	8.4	8.4	8.4	8.0
	0.0	-0.7	8.8	8.8	8.8	8.8	8.8	8.4	8.0
	3.0	2.2	9.6	9.6	9.6	9.6	9.2	8.4	8.0
	5.0	4.1	9.6	9.6	9.6	9.6	9.2	8.4	8.0
	7.0	6.0	10.0	10.0	10.0	9.6	9.2	8.4	8.0
	9.0	7.9	10.4	10.4	10.0	9.6	9.2	8.4	8.0
	11.0	9.8	10.8	10.8	10.0	9.6	9.2	8.4	8.0
	13.0	11.8	11.2	10.8	10.0	9.6	9.2	8.4	8.0
	15.0	13.7	11.6	10.8	10.0	9.6	9.2	8.4	8.0
10.0	-19.7	-20.0	6.3	6.3	6.3	6.3	6.3	6.3	6.2
	-14.7	-15.0	7.2	7.2	7.2	7.2	7.2	7.2	7.0
	-12.6	-13.0	7.6	7.6	7.6	7.6	7.6	7.6	7.3
	-10.5	-11.0	8.1	8.1	8.1	8.1	8.1	8.1	7.9
	-9.5	-10.0	8.1	8.1	8.1	8.1	8.1	8.1	7.9
	-8.5	-9.1	8.5	8.5	8.5	8.5	8.5	8.5	8.2
	-7.0	-7.6	8.5	8.5	8.5	8.5	8.5	8.5	8.2
	-5.0	-5.6	9.0	9.0	9.0	9.0	9.0	9.0	9.0
	-3.0	-3.7	9.4	9.4	9.4	9.4	9.4	9.4	9.0
	0.0	-0.7	9.9	9.9	9.9	9.9	9.9	9.4	9.0
	3.0	2.2	10.8	10.8	10.8	10.8	10.3	9.4	9.0
	5.0	4.1	10.8	10.8	10.8	10.8	10.3	9.4	9.0
	7.0	6.0	11.2	11.2	11.2	10.8	10.3	9.4	9.0
	9.0	7.9	11.6	11.6	11.2	10.8	10.3	9.4	9.0
	11.0	9.8	12.1	12.1	11.2	10.8	10.3	9.4	9.0
	13.0	11.8	12.6	12.1	11.2	10.8	10.3	9.4	9.0
	15.0	13.7	12.9	12.1	11.2	10.8	10.3	9.4	9.0

Heating Capacity (kW)	Outdoor temperature		Indoor temperature°CDB						
			16.0	18.0	20.0	21.0	22.0	24.0	26.0
			TC	TC	TC	TC	TC	TC	TC
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW
11.2	-19.7	-20.0	7.0	7.0	7.0	7.0	7.0	7.0	6.9
	-14.7	-15.0	8.0	8.0	8.0	8.0	8.0	8.0	7.8
	-12.6	-13.0	8.5	8.5	8.5	8.5	8.5	8.5	8.2
	-10.5	-11.0	9.0	9.0	9.0	9.0	9.0	9.0	8.8
	-9.5	-10.0	9.0	9.0	9.0	9.0	9.0	9.0	8.8
	-8.5	-9.1	9.5	9.5	9.5	9.5	9.5	9.5	9.2
	-7.0	-7.6	9.5	9.5	9.5	9.5	9.5	9.5	9.2
	-5.0	-5.6	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	-3.0	-3.7	10.5	10.5	10.5	10.5	10.5	10.5	10.0
	0.0	-0.7	11.0	11.0	11.0	11.0	11.0	10.5	10.0
	3.0	2.2	12.0	12.0	12.0	12.0	11.5	10.5	10.0
	5.0	4.1	12.0	12.0	12.0	12.0	11.5	10.5	10.0
	7.0	6.0	12.5	12.5	12.5	12.0	11.5	10.5	10.0
	9.0	7.9	13.0	13.0	12.5	12.0	11.5	10.5	10.0
	11.0	9.8	13.5	13.5	12.5	12.0	11.5	10.5	10.0
	13.0	11.8	14.0	13.5	12.5	12.0	11.5	10.5	10.0
	15.0	13.7	14.5	13.5	12.5	12.0	11.5	10.5	10.0
12.5	-19.7	-20.0	7.8	7.8	7.8	7.8	7.8	7.8	7.7
	-14.7	-15.0	9.0	9.0	9.0	9.0	9.0	9.0	8.7
	-12.6	-13.0	9.5	9.5	9.5	9.5	9.5	9.5	9.2
	-10.5	-11.0	10.1	10.1	10.1	10.1	10.1	10.1	9.9
	-9.5	-10.0	10.1	10.1	10.1	10.1	10.1	10.1	9.8
	-8.5	-9.1	10.6	10.6	10.6	10.6	10.6	10.6	10.3
	-7.0	-7.6	10.6	10.6	10.6	10.6	10.6	10.6	10.3
	-5.0	-5.6	11.2	11.2	11.2	11.2	11.2	11.2	11.2
	-3.0	-3.7	11.8	11.8	11.8	11.8	11.8	11.8	11.2
	0.0	-0.7	12.3	12.3	12.3	12.3	12.3	11.8	11.2
	3.0	2.2	13.4	13.4	13.4	13.4	12.9	11.8	11.2
	5.0	4.1	13.4	13.4	13.4	13.4	12.9	11.8	11.2
	7.0	6.0	14.0	14.0	14.0	13.4	12.9	11.8	11.2
	9.0	7.9	14.6	14.6	14.0	13.4	12.9	11.8	11.2
	11.0	9.8	15.1	15.1	14.0	13.4	12.9	11.8	11.2
	13.0	11.8	15.7	15.1	14.0	13.4	12.9	11.8	11.2
	15.0	13.7	16.2	15.1	14.0	13.4	12.9	11.8	11.2

Heating Capacity (kW)	Outdoor temperature		Indoor temperature°CDB						
			16.0	18.0	20.0	21.0	22.0	24.0	26.0
			TC	TC	TC	TC	TC	TC	TC
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW
14.0	-19.7	-20.0	9.0	9.0	9.0	9.0	9.0	9.0	8.8
	-14.7	-15.0	10.2	10.2	10.2	10.2	10.2	10.2	10.0
	-12.6	-13.0	10.9	10.9	10.9	10.9	10.9	10.9	10.5
	-10.5	-11.0	11.5	11.5	11.5	11.5	11.5	11.5	11.3
	-9.5	-10.0	11.5	11.5	11.5	11.5	11.5	11.5	11.2
	-8.5	-9.1	12.2	12.2	12.2	12.2	12.2	12.2	11.8
	-7.0	-7.6	12.2	12.2	12.2	12.2	12.2	12.2	11.8
	-5.0	-5.6	12.8	12.8	12.8	12.8	12.8	12.8	12.8
	-3.0	-3.7	13.4	13.4	13.4	13.4	13.4	13.5	12.8
	0.0	-0.7	14.1	14.1	14.1	14.1	14.1	13.5	12.8
	3.0	2.2	15.4	15.4	15.4	15.4	14.8	13.5	12.8
	5.0	4.1	15.4	15.4	15.4	15.4	14.8	13.5	12.8
	7.0	6.0	16.0	16.0	16.0	15.4	14.8	13.5	12.8
	9.0	7.9	16.6	16.6	16.0	15.4	14.8	13.5	12.8
	11.0	9.8	17.3	17.3	16.0	15.4	14.8	13.5	12.8
	13.0	11.8	18.0	17.3	16.0	15.4	14.8	13.5	12.8
	15.0	13.7	18.5	17.3	16.0	15.4	14.8	13.5	12.8



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