



Nuovo Modello
Nuove Funzioni

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HIRO		Unità di Misura	HTN/HTG20-09R32	HTN/HTG20-12R32	HTN/HTG-717R32	HTN/HTG-721R32
Pdesignc		kW	2,5	3,2	4,6	6,1
Pdesignh Zona Climatica Media		kW	2,6	3,2	3,6	4,7
Pdesignh Zona Climatica Calda		kW	2,8	3,4	3,6	4,7
Capacità Raffreddamento		Btu/h	8530 (1750-11540)	11000 (2050-12530)	15700 (2200-17800)	21000 (6140-21900)
		kW	2,50 (0,51-3,38)	3,22 (0,60-3,67)	4,60 (0,64-5,22)	6,15 (1,80-6,42)
Capacità Riscaldamento		Btu/h	9560 (1710-12000)	11980 (2060-13000)	17800 (2390-18000)	22050 (5500-22650)
		kW	2,80 (0,50-3,52)	3,51 (0,60-3,81)	5,22 (0,70-5,28)	6,46 (1,61-6,64)
Raffreddamento	SEER		6,10	6,10	6,10	6,10
	Classe Energetica Raffreddamento		A++	A++	A++	A++
Riscaldamento	SCOP Zona Climatica Media		4,0	4,0	4,0	4,0
	Classe Energetica Zona Climatica Media		A+	A+	A+	A+
	SCOP Zona Climatica Calda		5,10	5,10	5,10	5,10
	Classe Energetica Zona Climatica Calda		A+++	A+++	A+++	A+++
Alimentazione*		Volts/Phase/Hz	230/1/50			
Raffreddamento	Consumo Energetico Annuale (Q _{ec})	kWh/a	143	184	264	350
	Consumo alle condizioni nominali**	kW	0,805	0,997	1,43	1,76
Riscaldamento	Consumo Energetico Annuale Zona Media (Q _{hc})	kWh/a	910	1120	1260	1645
	Consumo Energetico Annuale Zona Calda (Q _{hc})	kWh/a	769	933	988	1290
Deumidificazione	Consumo alle condizioni nominali**	kW	0,755	0,97	1,40	1,86
		L/h	0,8	1,4	1,8	1,8
Portata d'aria (min/med/max/turbo)		m ³ /h	330 / 430 / 490 / 560	290 / 410 / 480 / 560	520 / 610 / 720 / 850	520 / 610 / 720 / 850
Potenza Sonora Unità Interna (min/med/max/turbo)		dB(A)	55	55	58	59
Pressione Sonora Unità Interna*** (min/med/max/turbo)		dB(A)	28/32/36/39	28/34/37/42	34/39/45/48	34/40/44/48
Potenza Sonora Unità Esterna		dB(A)	61	62	63	67
Pressione Sonora Unità Esterna***		dB(A)	52	52	54	57
Unità Interna	Dimensioni Unità (LxHxP)	mm	790x275x200	790x275x200	970x300x224	970x300x224
	Dimensioni Imballo (LxHxP)	mm	863x352x268	863x352x268	1041x383x320	1041x383x320
	Peso Netto/Lordo	kg	9/11	9/11	13,5/16,5	13,5/16,5
Unità Esterna	Dimensioni Unità (LxHxP)	mm	776x540x320	842x596x320	842x596x320	955x700x396
	Dimensioni Imballo (LxHxP)	mm	820x580x355	878x630x360	881x645x363	1029x750x458
	Peso Netto/Lordo	kg	29,5/32	31/34	34/37	46/50,5
Tubazioni	Diametro Lato Liquido	mm (inch)	6,35 (1/4")	6,35 (1/4")	6,35 (1/4")	6,35 (1/4")
	Diametro Lato Gas	mm (inch)	9,53 (3/8")	9,53 (3/8")	9,53 (3/8")	15,88 (5/8")
	Massima Lunghezza****	m	15	20	20	25
	Massimo Dislivello	m	10	10	10	10
Refrigerante R32		g	600	590	770	1300
Filtri			Silver ION + Carboni Attivi			
Temperature limite operative	Raffreddamento	°C	-15~43			
	Riscaldamento	°C	-15~24			

Normativa standard armonizzata: EN14511:2007, EN12102 Global Warming Potential (GWP)

NOTE: *L'alimentazione è sull'unità esterna. **Dati conformi alla norma UNI EN 14511/2004 *** Misurata in campo libero **** Oltre i 5 metri aggiungere 20 g/m



Solo per modello
HTN/HTG20-09R32

Funzione Wi-Fi

Il Wi-Fi non è opzionale, è incluso nel prodotto.

CARATTERISTICHE

Funzione PRERISCALDAMENTO SMART	Funzione LIGHT	Funzione RISPARMIO ENERGETICO
Funzione SELF CLEAN	Funzione SMOOTH START	Funzione DEUMIDIFICATORE
Funzione AUTORESTART	Funzione AUTODIAGNOSI	Funzione LIGHT
Funzione SLEEP	Funzione LOCK	Funzione DEUMIDIFICATORE
Funzione TURBO	Funzione SMART DEFROSTING	
Solo per i Modelli: HTN/HTG20-09R32 - HTN/HTG20-12R32		
COMANDO A FILO	TELECOMANDO CON FUNZIONI HOTEL	SISTEMA DI CONTROLLO KEY-CARD

Model List:

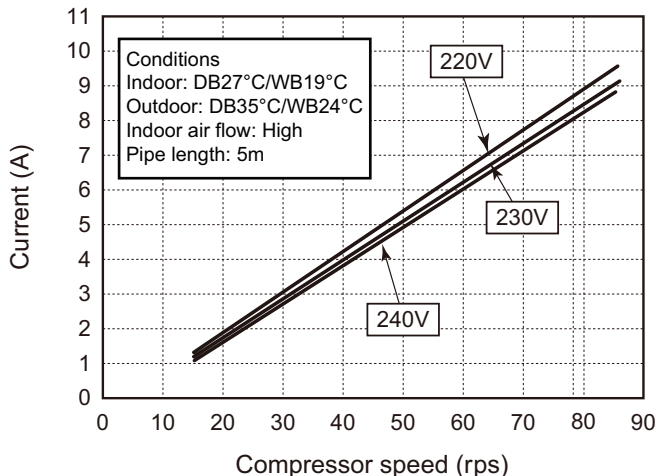
No	Model	Product code	Indoor model	Indoor product code	Outdoor model	Outdoor product code	Remote Controller
1	HTN-HTG709R32	CB434011500	HTN709R32	CB434N11500	HTG709R32	CB438W07400	YAN1F6 (WiFi)

2. Specifications

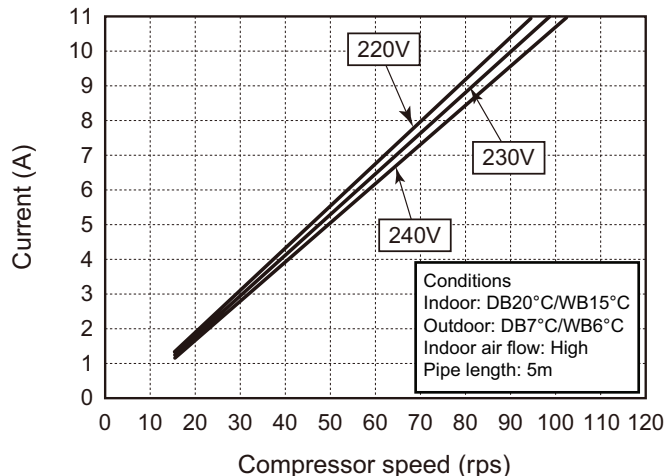
2.1 Specification Sheet

2.2 Operation Characteristic Curve

Cooling



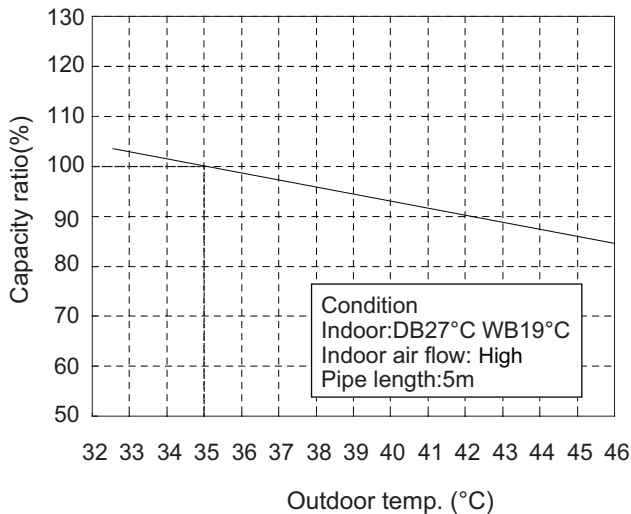
Heating



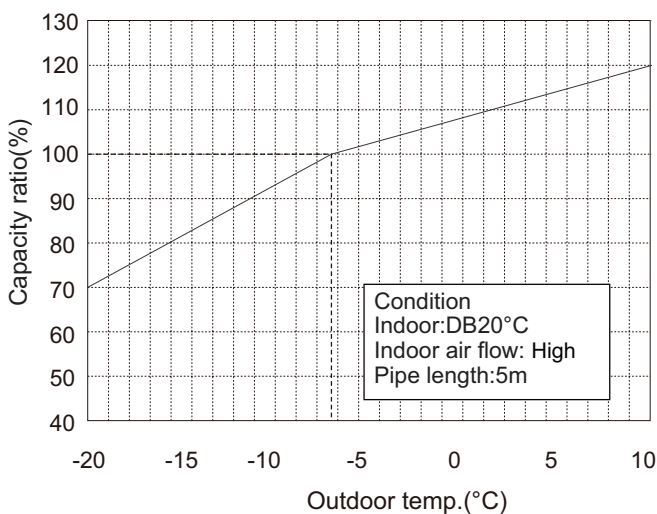
2.3 Capacity Variation Ratio According to Temperature

Heating operation ambient temperature range is -20°C~24°C

Cooling

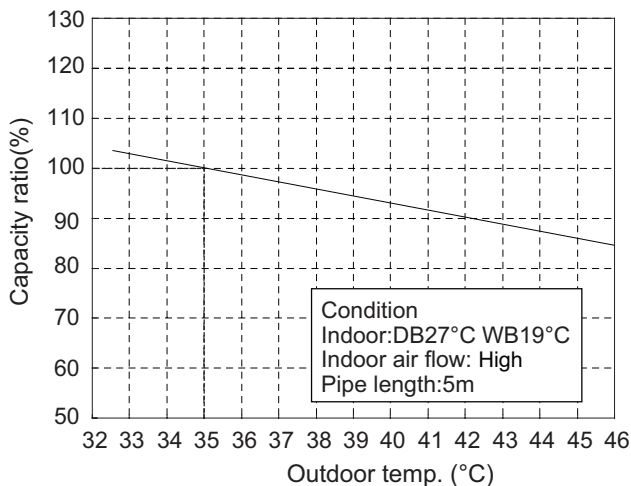


Heating

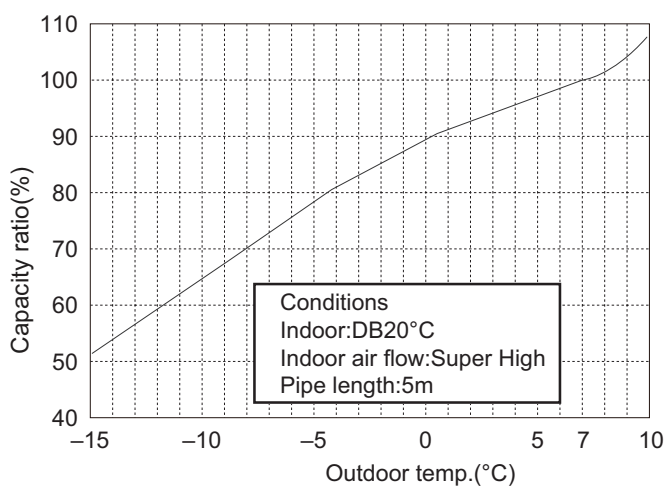


Heating operation ambient temperature range is -15°C~24°C

Cooling



Heating



2.4 Cooling and Heating Data Sheet in Rated Frequency

Cooling:

Rated cooling condition(°C) (DB/WB)		Model	Pressure of gas pipe connecting indoor and outdoor unit P (MPa)	Inlet and outlet pipe temperature of heat exchanger		Fan speed of indoor unit	Fan speed of outdoor unit	Compressor revolution (rps)
Indoor	Outdoor			T1 (°C)	T2 (°C)			
27/19	35/24	09K	0.8 ~ 1.1	12 to 15	65 to 38	TURBO	High	49
		12K		11 to 14	64 to 37			60
27/19	35/24	18K	0.9 ~ 1.1	12 to 14	75 to 37	Super High	High	52

Heating:

Rated cooling condition(°C) (DB/WB)		Model	Pressure of gas pipe connecting indoor and outdoor unit P (MPa)	Inlet and outlet pipe temperature of heat exchanger		Fan speed of indoor unit	Fan speed of outdoor unit	Compressor revolution (rps)
Indoor	Outdoor			T1 (°C)	T2 (°C)			
20/-	7/6	09K	2.8 ~ 3.2	35 to 63	2 to 5	TURBO	High	59
		12K		35 to 65	2 to 5			67
20/-	7/6	18K	2.2 ~ 2.4	70 to 35	2 to 4	Super High	High	65

Instruction:

T1: Inlet and outlet pipe temperature of evaporator

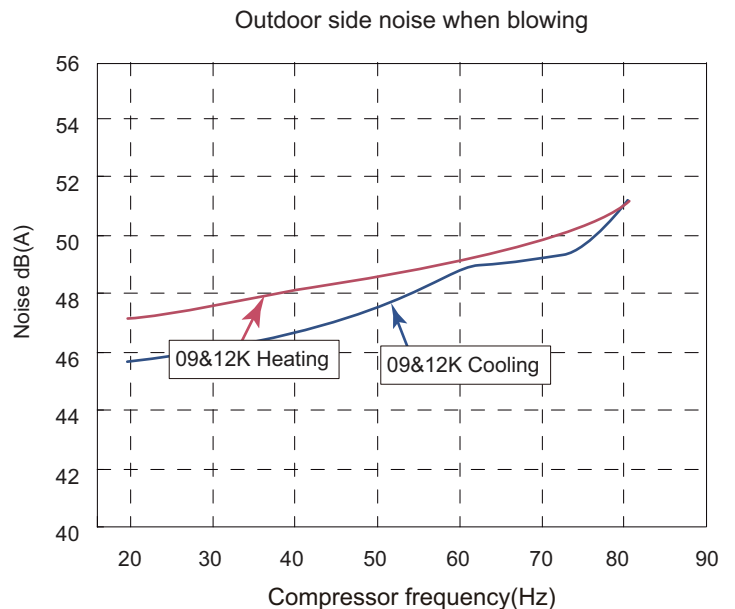
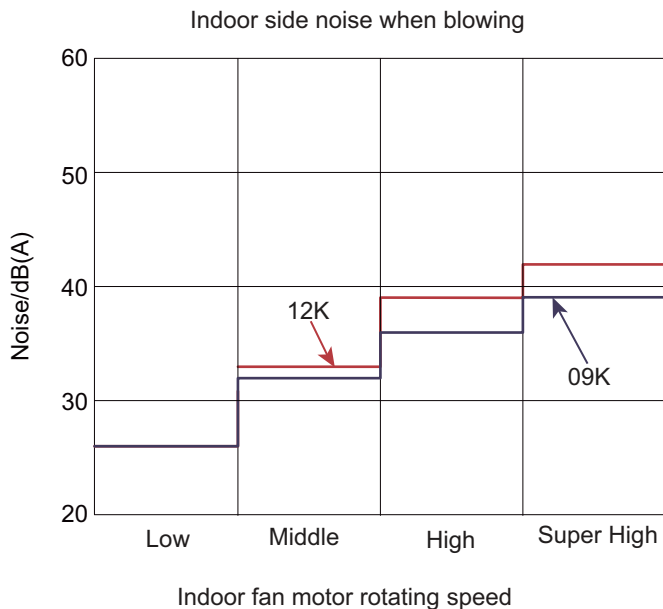
T2: Inlet and outlet pipe temperature of condenser

P: Pressure at the side of big valve

Connection pipe length: 5 m.

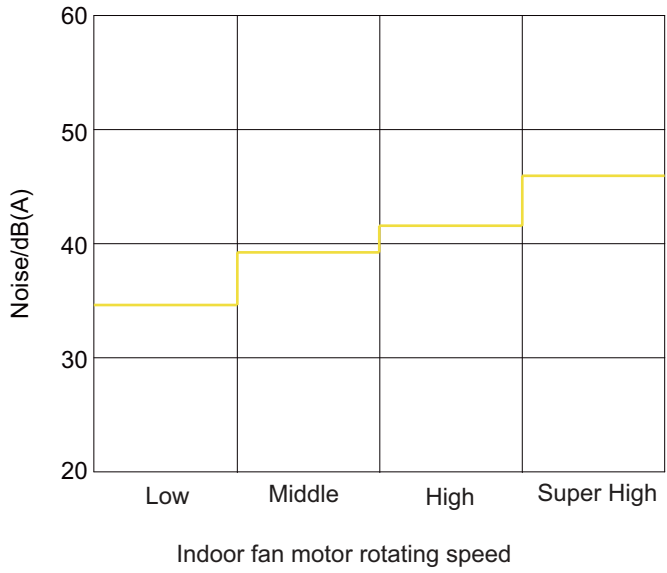
2.5 Noise Curve

09/12K

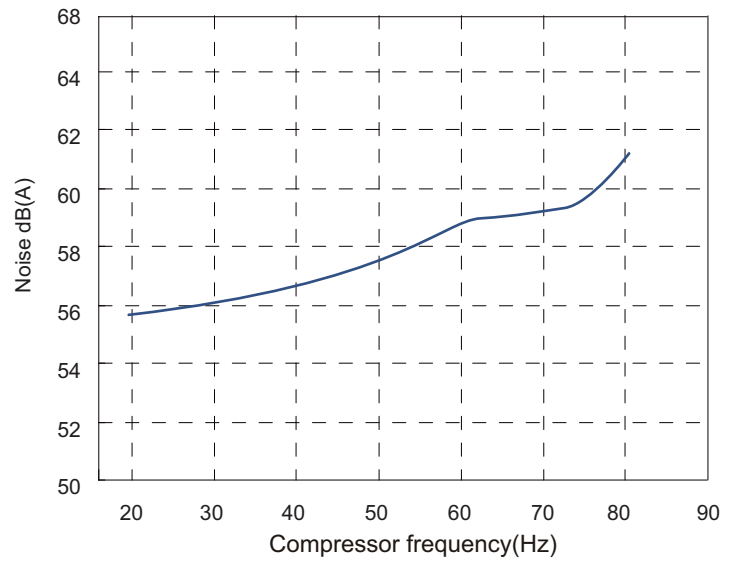


18K

Indoor side noise when blowing

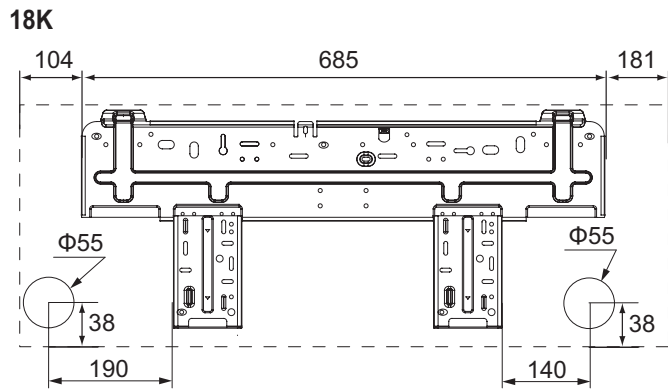
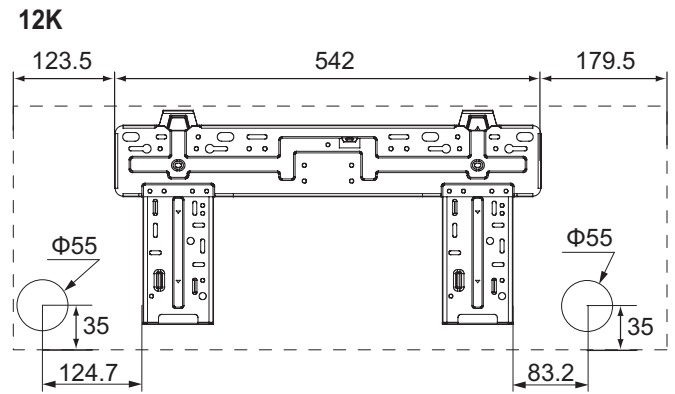
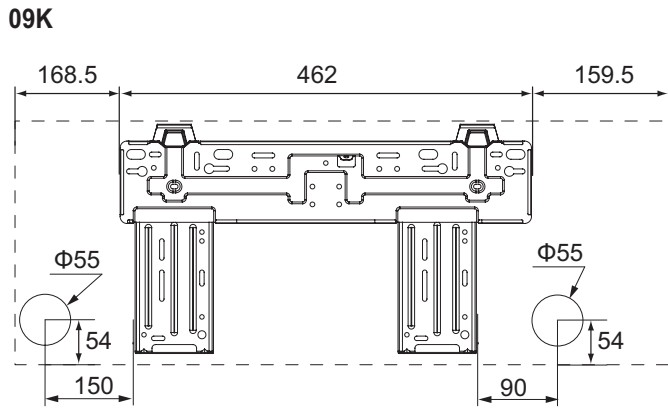
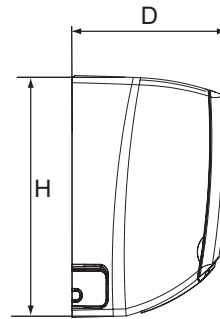
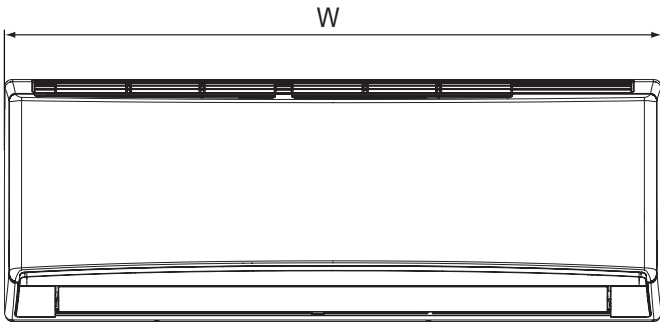


Outdoor side noise when blowing



3. Outline Dimension Diagram

3.1 Indoor Unit

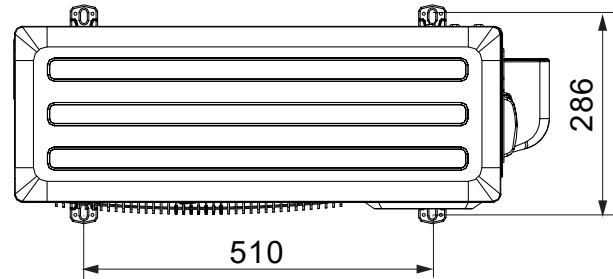
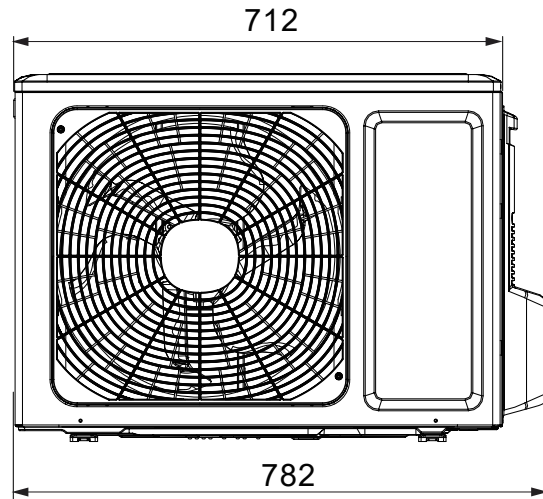
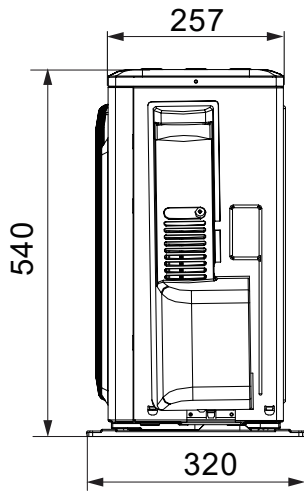


Model	W	H	D
09K	790	275	200
12K	845	289	209
18K	970	300	224

Unit:mm

3.2 Outdoor Unit

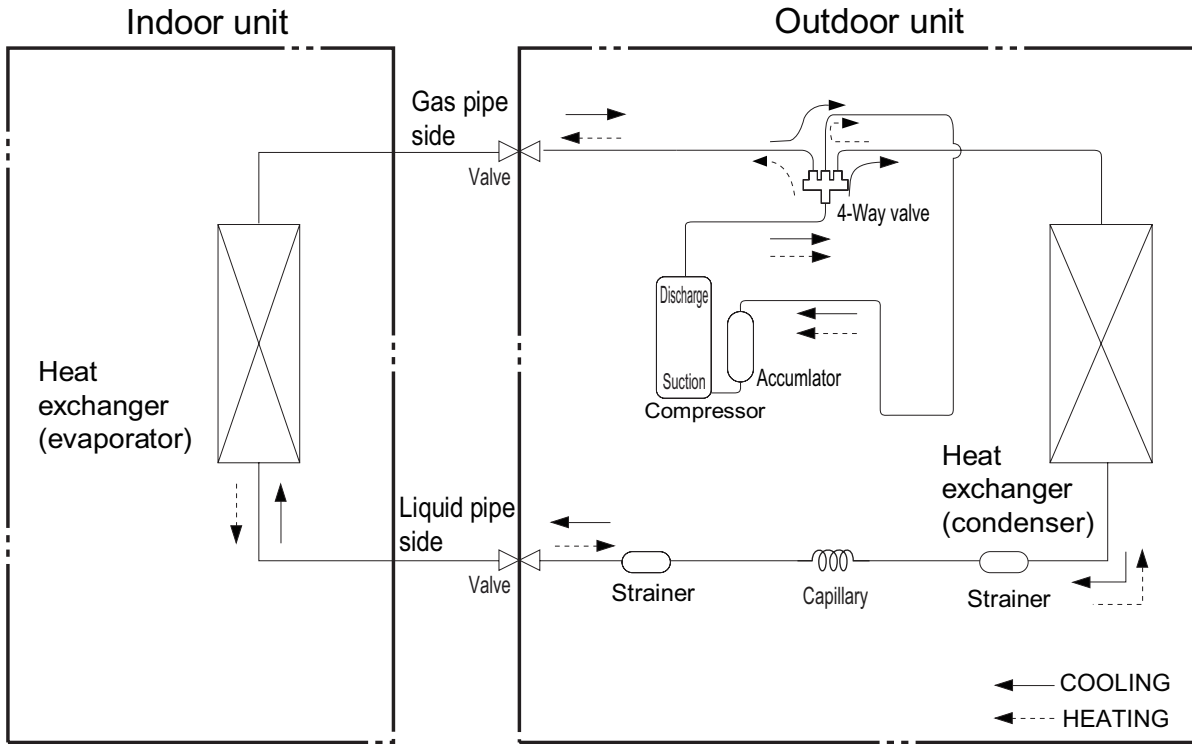
HTG709R32



Unit:mm

4. Refrigerant System Diagram

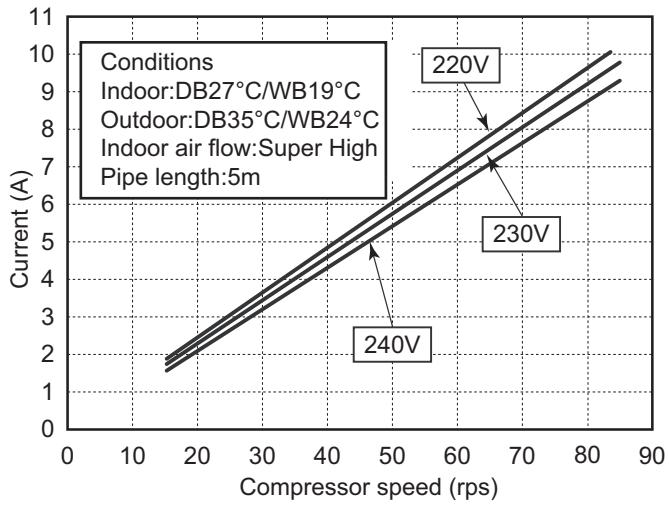
09/12K



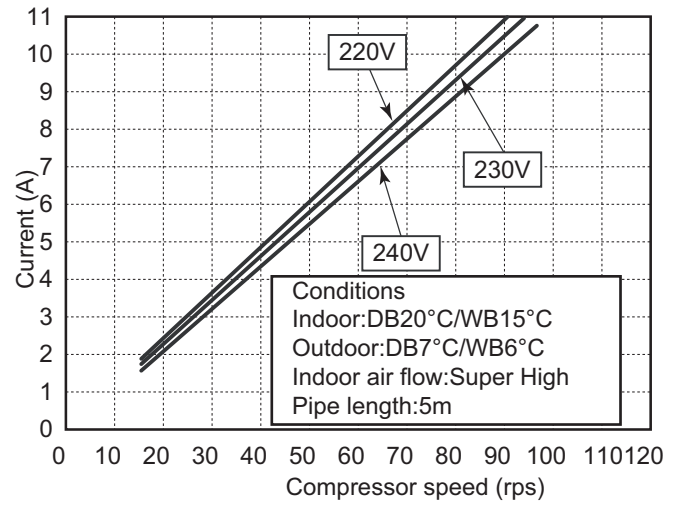
Connection pipe specification:
 Liquid pipe: 1/4" (6mm)
 Gas pipe: 3/8" (9.52mm)

2.2 Operation Characteristic Curve

Cooling

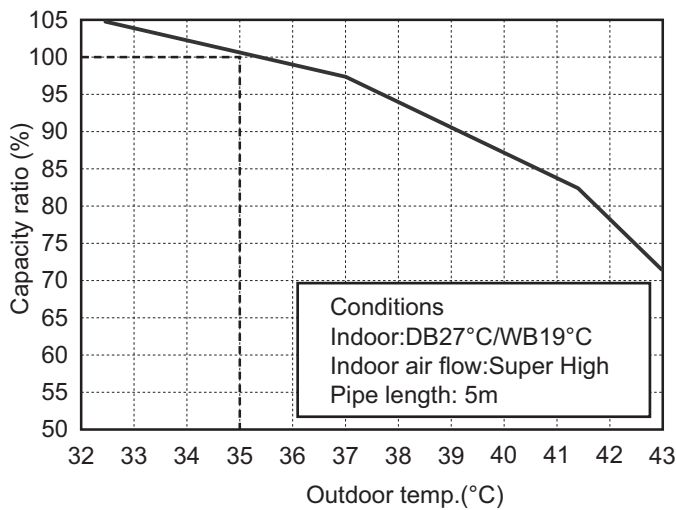


Heating

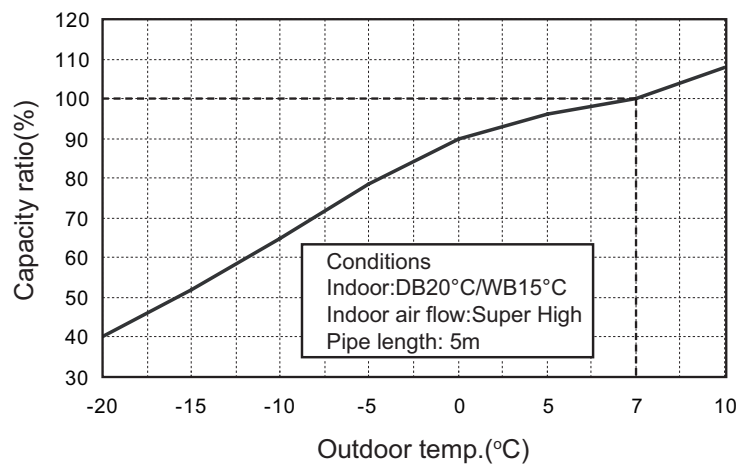


2.3 Capacity Variation Ratio According to Temperature

Cooling



Heating



2.4 Cooling and Heating Data Sheet in Rated Frequency

Cooling:

Rated cooling condition(°C) (DB/WB)		Model	Pressure of gas pipe connecting indoor and outdoor unit	Inlet and outlet pipe temperature of heat exchanger		Fan speed of indoor unit	Fan speed of outdoor unit	Compressor frequency (Hz)
Indoor	Outdoor		P (MPa)	T1 (°C)	T2 (°C)			
27/19	35/24	12K	0.8 ~ 1.1	11 to 14	38 to 41	Super High	High	72

Heating:

Rated heating condition(°C) (DB/WB)		Model	Pressure of gas pipe connecting indoor and outdoor unit	Inlet and outlet pipe temperature of heat exchanger		Fan speed of indoor unit	Fan speed of outdoor unit	Compressor frequency (Hz)
Indoor	Outdoor		P (MPa)	T1 (°C)	T2 (°C)			
20/15	7/6	12K	2.8 ~ 3.2	38 to 41	2 to 5	Super High	High	77

Instruction:

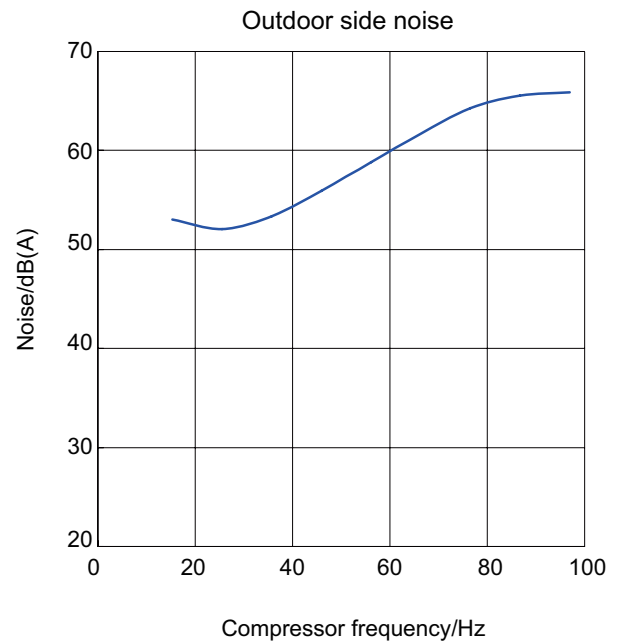
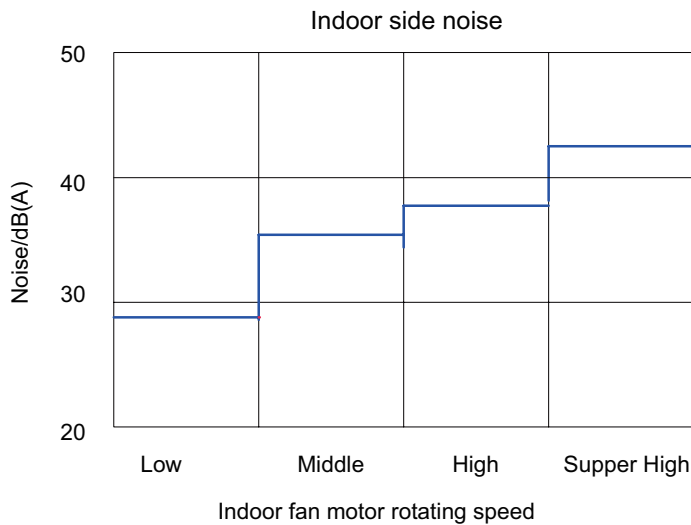
T1: Inlet and outlet pipe temperature of evaporator

T2: Inlet and outlet pipe temperature of condenser

P: Pressure at the side of big valve

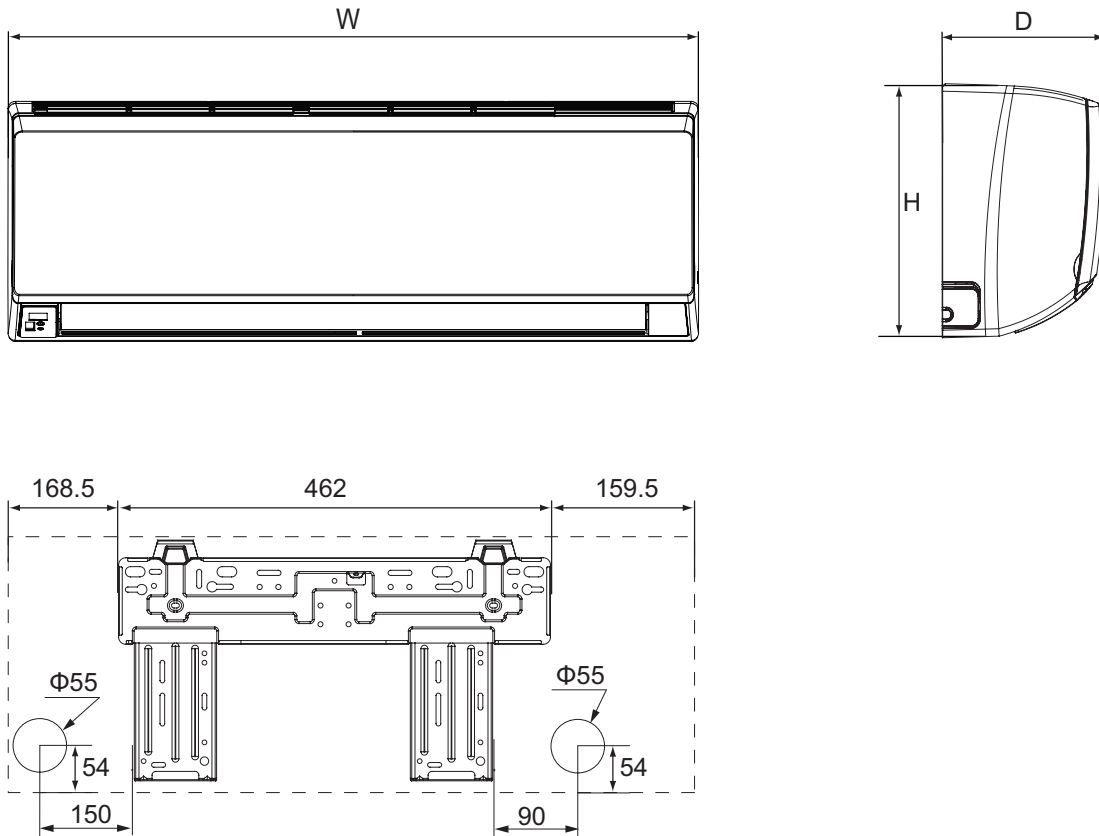
Connection pipe length: 5 m.

2.5 Noise Curve



3. Outline Dimension Diagram

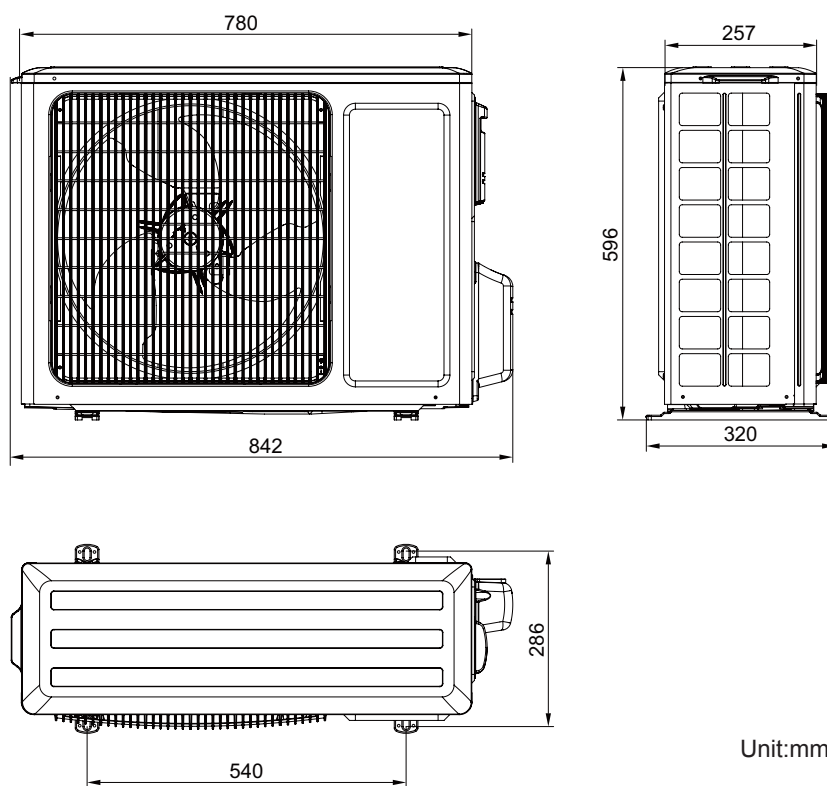
3.1 Indoor Unit HTN712R32



Unit:mm

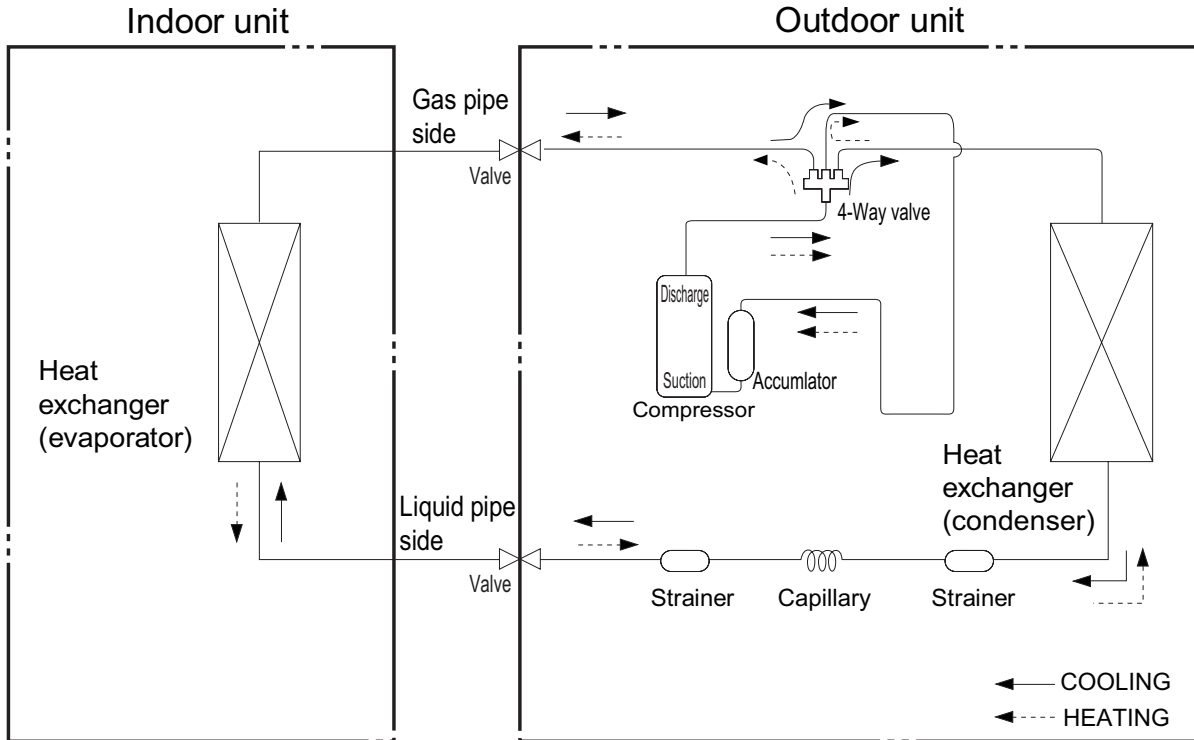
Models	W	H	D
12K	790	275	200

3.2 Outdoor Unit HTG712R32



4. Refrigerant System Diagram

Cooling and heating model



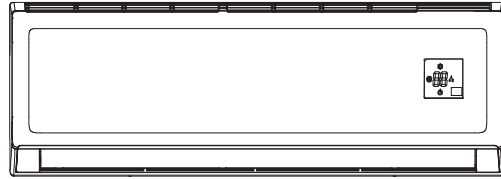
Connection pipe specification:
 Liquid pipe: 1/4" (6mm)
 Gas pipe: 3/8" (9.52mm)

Part I : Technical Information

1. Summary

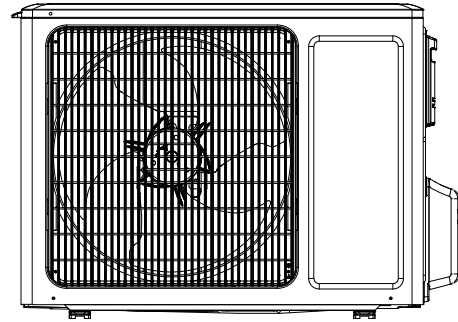
Indoor Unit:

HTN-712R32



Outdoor Unit:

HTG-712R32



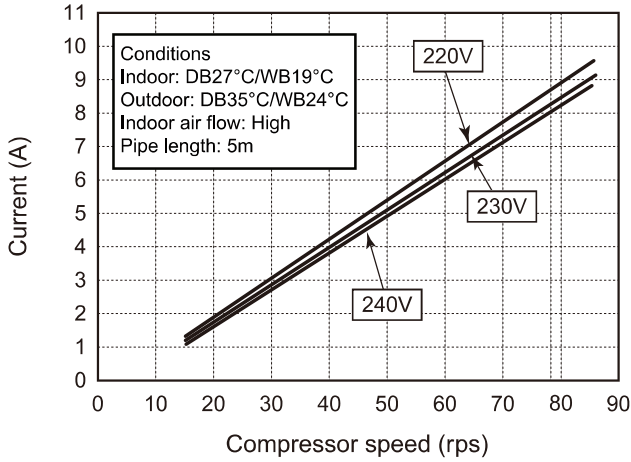
Remote Controller:

YAN1F6

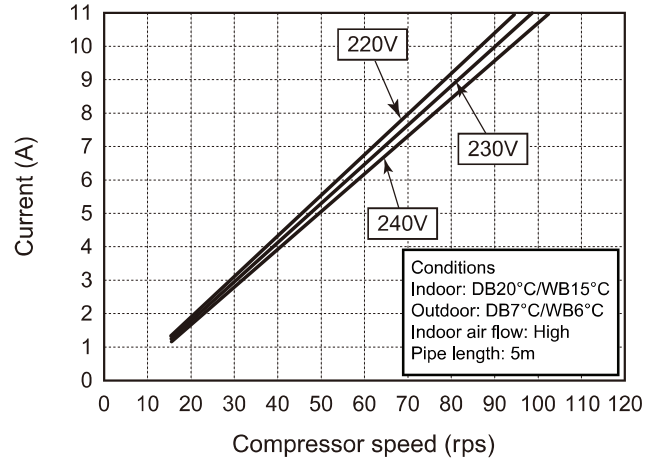


2.2 Operation Characteristic Curve

Cooling



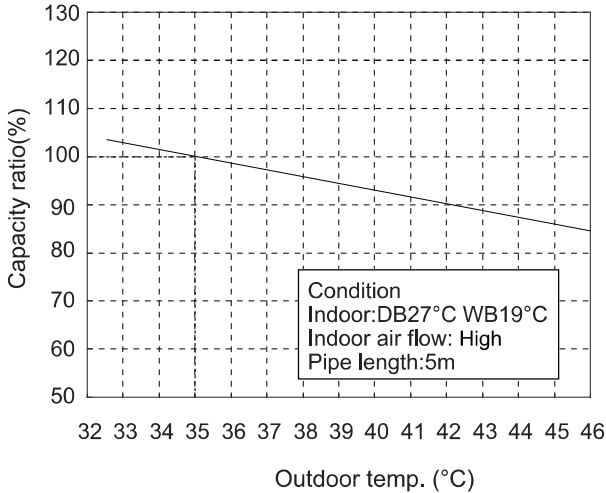
Heating



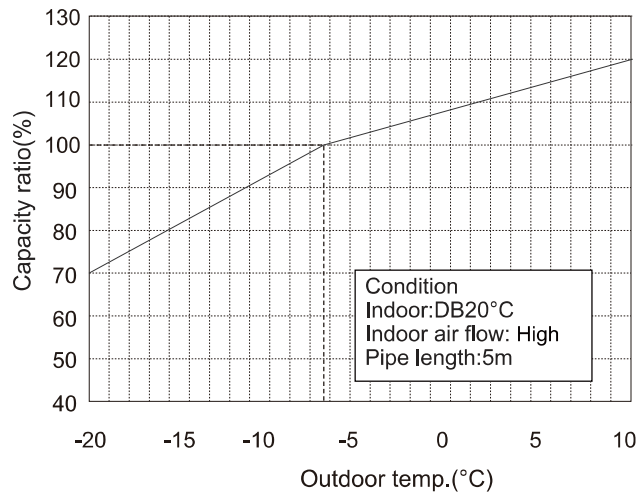
2.3 Capacity Variation Ratio According to Temperature

Heating operation ambient temperature range is -20°C~24°C

Cooling

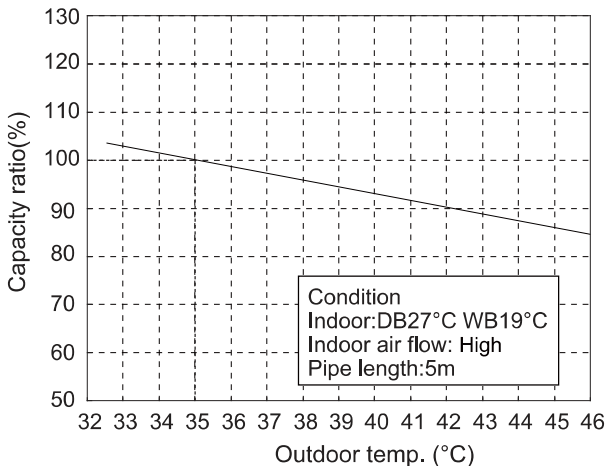


Heating

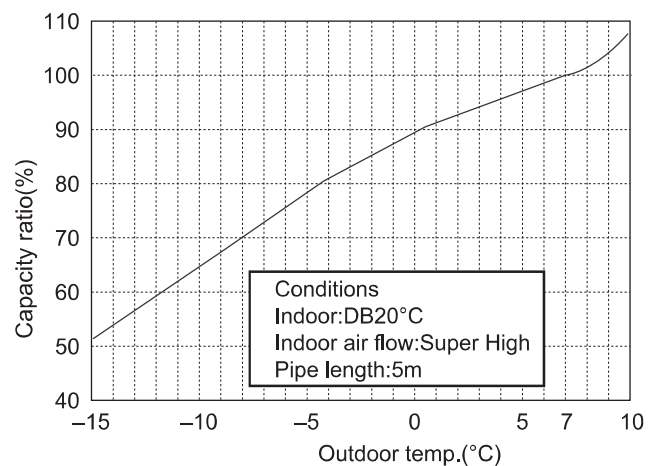


Heating operation ambient temperature range is -15°C~24°C

Cooling



Heating



2.4 Cooling and Heating Data Sheet in Rated Frequency

Cooling:

Rated cooling condition(°C) (DB/WB)		Model	Pressure of gas pipe connecting indoor and outdoor unit P (MPa)	Inlet and outlet pipe temperature of heat exchanger		Fan speed of indoor unit	Fan speed of outdoor unit	Compressor revolution (rps)
Indoor	Outdoor			T1 (°C)	T2 (°C)			
27/19	35/24	09K	0.8 ~ 1.1	12 to 15	65 to 38	TURBO	High	49
		12K		11 to 14	64 to 37			60
27/19	35/24	18K	0.9 ~ 1.1	12 to 14	75 to 37	Super High	High	52

Heating:

Rated cooling condition(°C) (DB/WB)		Model	Pressure of gas pipe connecting indoor and outdoor unit P (MPa)	Inlet and outlet pipe temperature of heat exchanger		Fan speed of indoor unit	Fan speed of outdoor unit	Compressor revolution (rps)
Indoor	Outdoor			T1 (°C)	T2 (°C)			
20/-	7/6	09K	2.8 ~ 3.2	35 to 63	2 to 5	TURBO	High	59
		12K		35 to 65	2 to 5			67
20/-	7/6	18K	2.2 ~ 2.4	70 to 35	2 to 4	Super High	High	65

Instruction:

T1: Inlet and outlet pipe temperature of evaporator

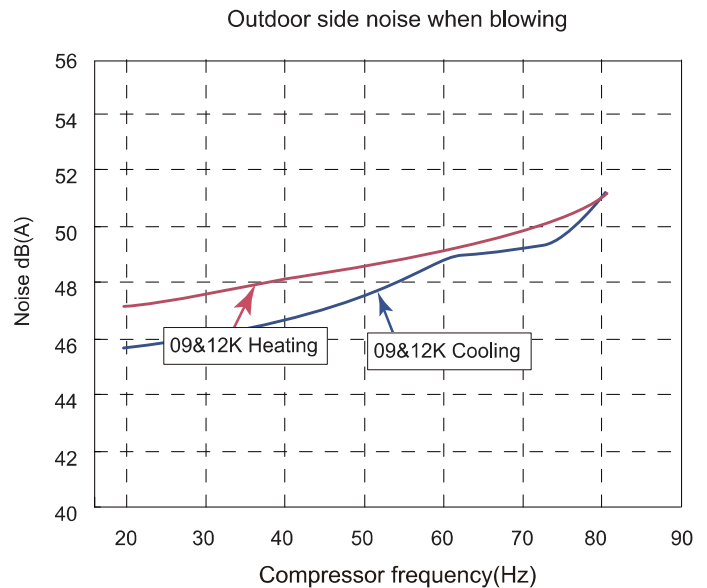
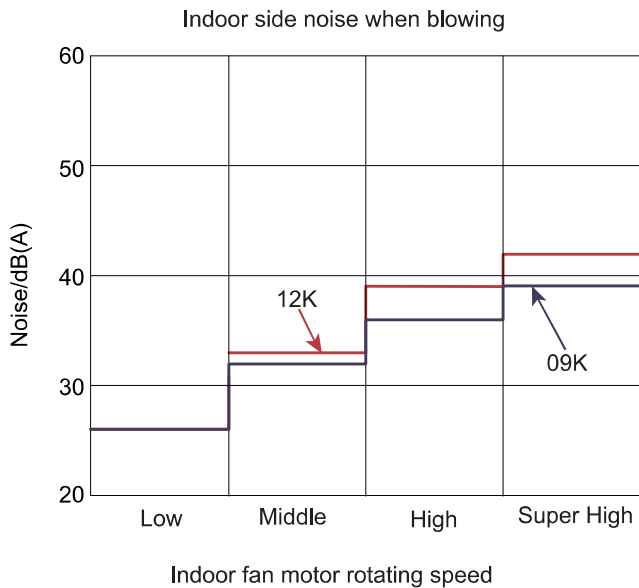
T2: Inlet and outlet pipe temperature of condenser

P: Pressure at the side of big valve

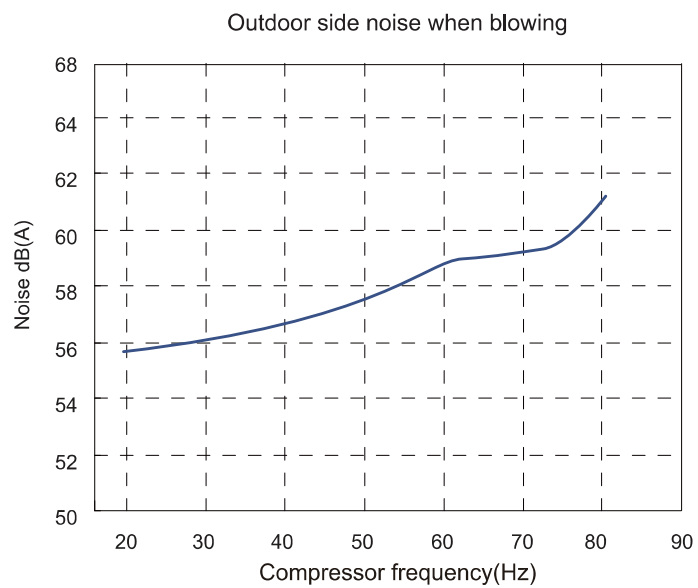
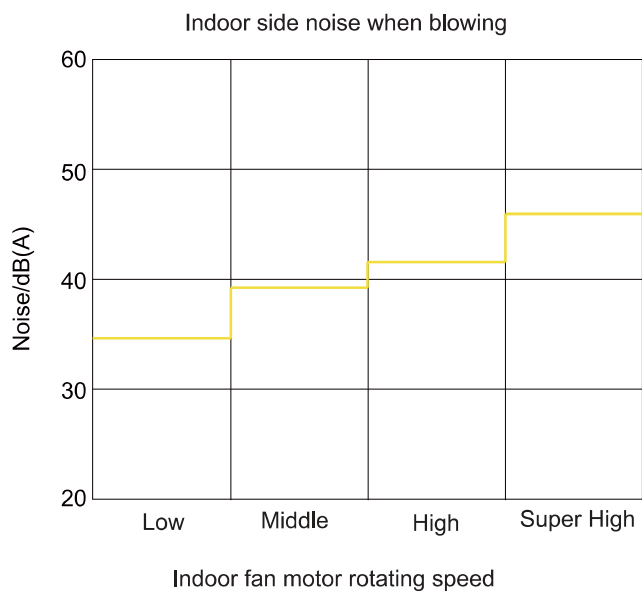
Connection pipe length: 5 m.

2.5 Noise Curve

09/12K



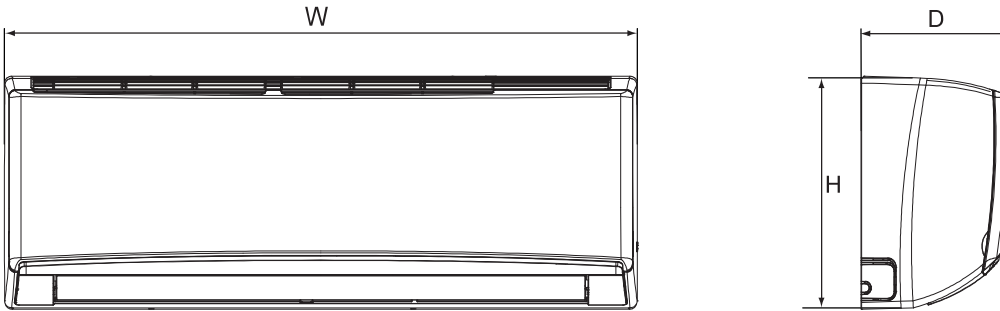
18K



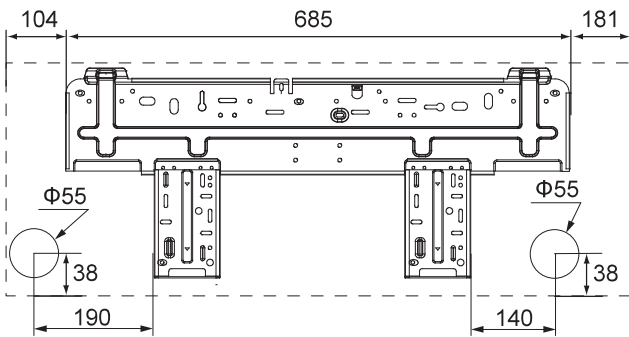
3. Outline Dimension Diagram

3.1 Indoor Unit

HTN-717R32



18K

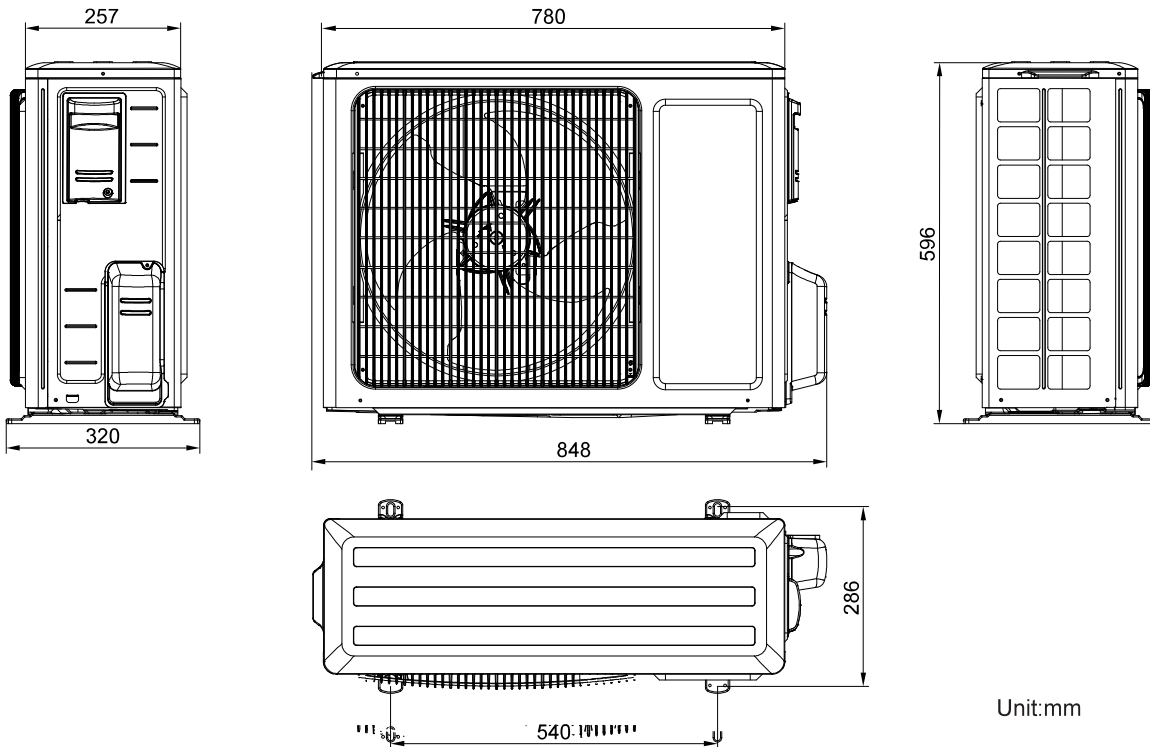


Model	W	H	D
18K	970	300	224

Unit:mm

3.2 Outdoor Unit

HTG--717R32



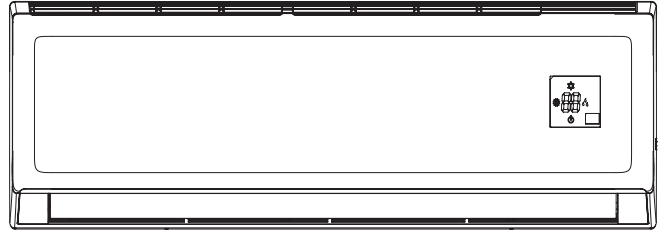
Unit:mm

Part I : Technical Information

1. Summary

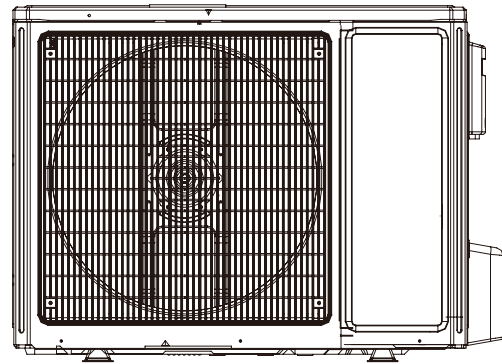
Indoor Unit

HTN-721R32



Outdoor Unit

HTG-721R32



Remote Controller

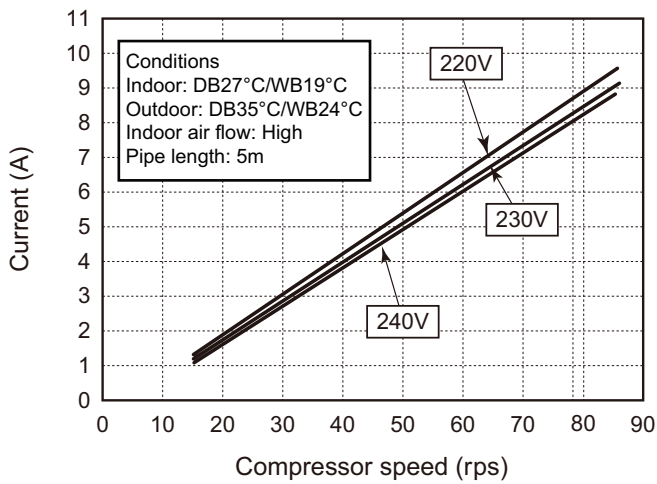
YAW1F5(WiFi)



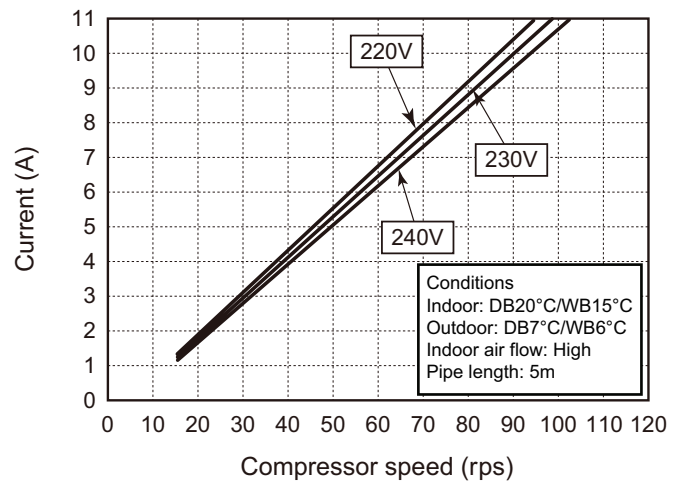
No	Model	Product code	Indoor model	Indoor product code	Outdoor model	Outdoor product code	Remote Controller
1	HTN/HTG-721R32	CB434011600	HTN-721R32	CB434N11600	HTG-721R32	CB476W00100	YAW1F5 (WiFi)

2.2 Operation Characteristic Curve

Cooling



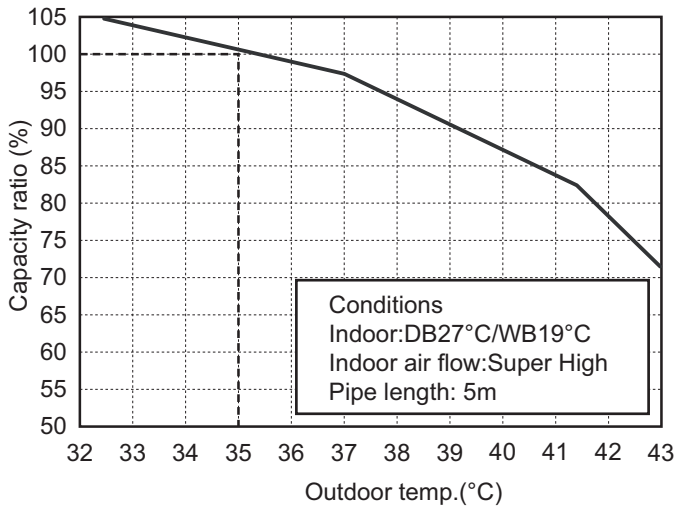
Heating



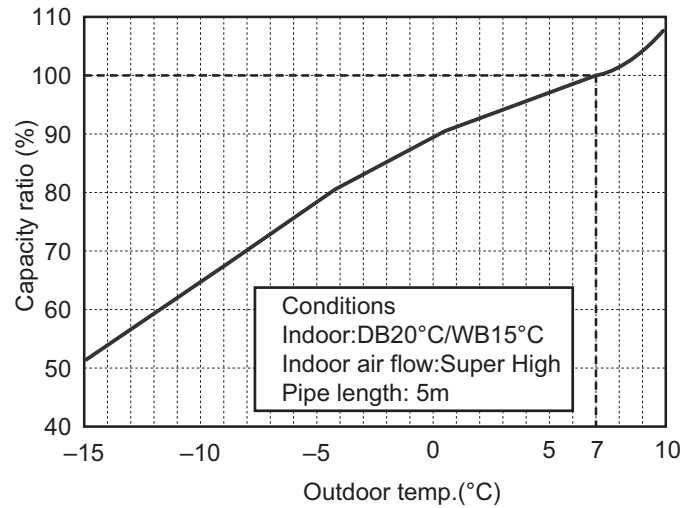
2.3 Capacity Variation Ratio According to Temperature

Heating operation ambient temperature range is -15°C~24°C

Cooling

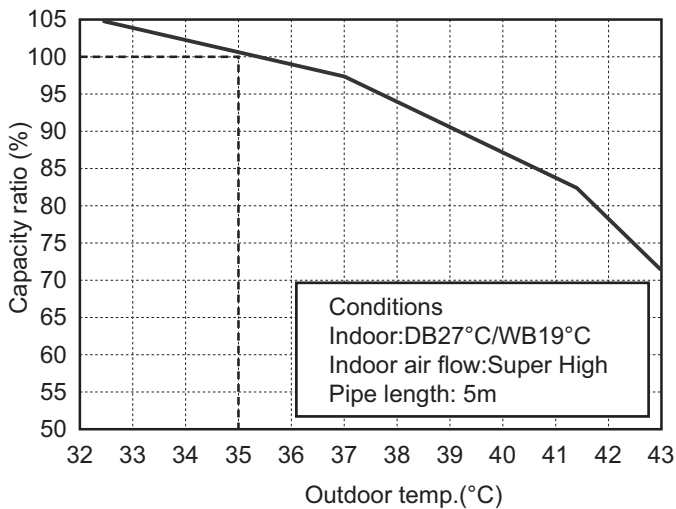


Heating

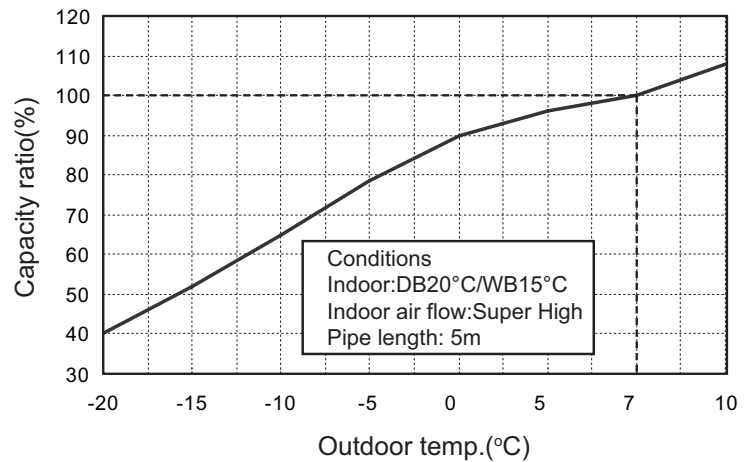


Heating operation ambient temperature range is -20°C~24°C

Cooling

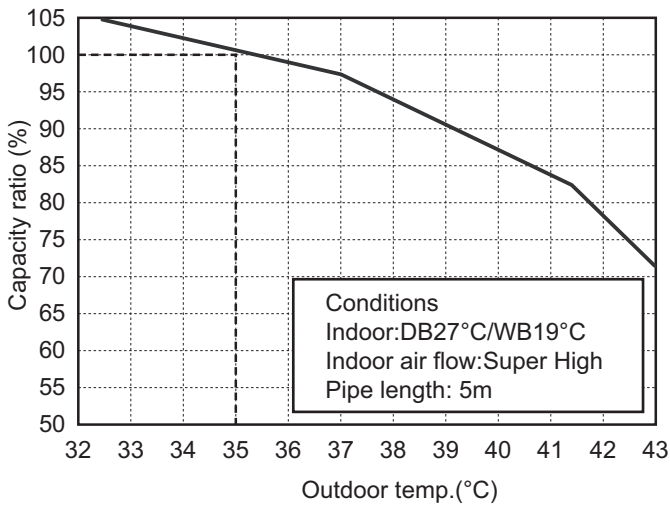


Heating

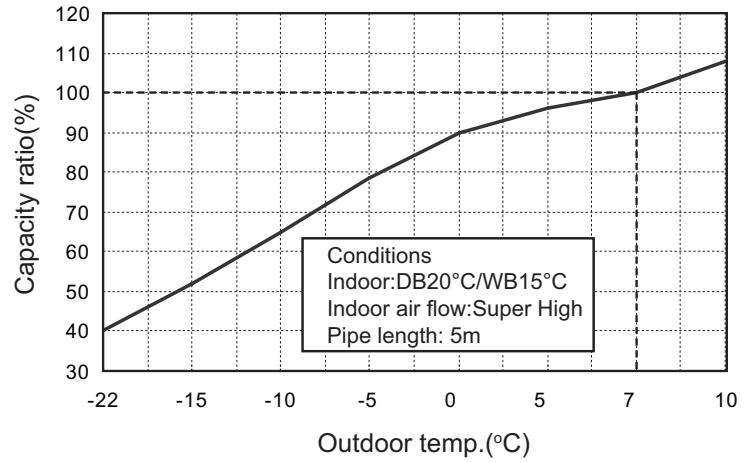


Heating operation ambient temperature range is -22°C~24°C

Cooling



Heating



2.4 Cooling and Heating Data Sheet in Rated Frequency

Cooling:

Rated cooling condition(°C) (DB/WB)		Model	Pressure of gas pipe connecting indoor and outdoor unit	Inlet and outlet pipe temperature of heat exchanger		Fan speed of indoor unit	Fan speed of outdoor unit	Compressor frequency (Hz)
Indoor	Outdoor			T1 (°C)	T2 (°C)			
27/19	35/24	18K	0.9 to 1.1	12 to 14	75 to 37	Super High	High	52
		24K						72

Heating:

Rated heating condition(°C) (DB/WB)		Model	Pressure of gas pipe connecting indoor and outdoor unit	Inlet and outlet pipe temperature of heat exchanger		Fan speed of indoor unit	Fan speed of outdoor unit	Compressor frequency (Hz)
Indoor	Outdoor			T1 (°C)	T2 (°C)			
20/-	7/6	18K	2.2 to 2.4	70 to 35	2 to 4	Super High	High	65
		24K						77

Instruction:

T1: Inlet and outlet pipe temperature of evaporator

T2: Inlet and outlet pipe temperature of condenser

P: Pressure at the side of big valve

Connection pipe length: 5m.

2.5 Noise Curve

