



Air Conditioning Technical Data

Wall mounted unit



EEEN13-100

CTXS-K

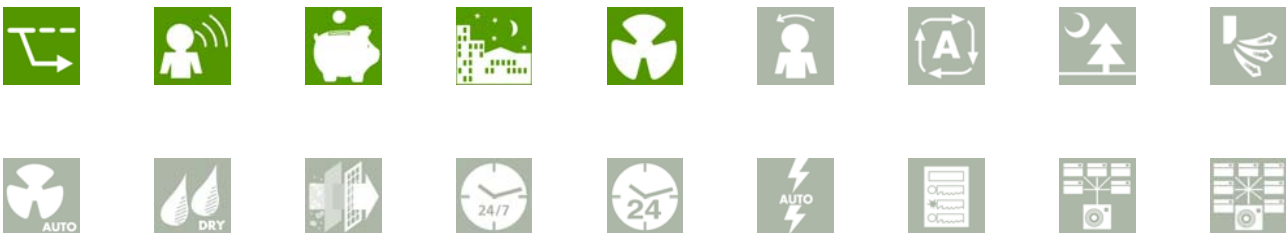
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1 Features

- These models are especially designed for small or well-insulated rooms.
- Ideal for installation in bedrooms
- Whisper quiet in operation: the operating of the unit can hardly be heard. The sound pressure level goes down to 19dBA!
- ECONO mode decreases power consumption so that other appliances that need large power consumption can be used
- Comfort mode guarantees draught free operation by preventing that warm or cold air is directly blown on to the body
- Titanium apatite photocatalytic air purification filter removes airborne microscopic particles, powerfully decomposes odours and helps to prevent the propagation of bacteria, viruses, microbes to ensure a steady supply of clean air
- Powerful mode can be selected for rapid heating or cooling; after the powerful mode is turned off, the unit returns to the preset mode.
- Night set mode saves energy by preventing overcooling or overheating during night time
- Indoor unit silent operation: "silent" button on the remote control lowers the operation sound of the indoor unit by 3dBA
- Energy saving during standby mode: reduces current consumption by about 80% when operating in standby. If no people are detected for more than 20 minutes, the system will automatically switch to the current-saving mode.



2 Specifications

2-1 Technical Specifications				CTXS15K	CTXS35K	
Power input	Cooling	Nom.	kW	0.040		
	Heating	Nom.	kW	0.040		
Casing	Colour			White		
Dimensions	Unit	Height/Width/Depth	mm	289/780/215		
	Packed unit	Height/Width/Depth	mm	346/850/274		
Weight	Unit		kg	8		
	Packed unit		kg	12		
Heat exchanger	Length		mm	610		
	Rows	Quantity		2		
	Fin pitch		mm	1.4		
	Stages	Quantity		12	14	
	Tube type		ø7 Hi-XA			
	Fin	Type		ML fin (Multi louver)		
Fan	Type			Cross flow fan		
	Air flow rate	Cooling	High	m ³ /min	7.9	9.2
				cfm	279	325
			Nom.	m ³ /min	6.3	7.2
				cfm	222	254
		Low	m ³ /min	4.7	5.2	
			cfm	166	184	
		Silent operation	m ³ /min	3.9		
			cfm	138		
	Heating	High	m ³ /min	9.0	10.1	
			cfm	318	357	
		Nom.	m ³ /min	7.5	8.1	
			cfm	265	286	
		Low	m ³ /min	6.0	6.3	
cfm			212	222		
Silent operation		m ³ /min	4.3			
		cfm	152			
Fan motor	Model			MM6C02J2VA		
	Speed	Steps		5 + silent, + auto		
		Cooling	High/Medium/Low/Silent operation	rpm	1,200/990/780/670	1,390/1,120/850/670
		Heating	High/Medium/Low/Silent operation	rpm	1,290/1,100/920/690	1,430/1,190/960/690
Output	High	W	16			
Sound power level	Cooling	Nom.	dBA	55	59	
	Heating	Nom.	dBA	56	58	
Sound pressure level	Cooling	High/Nom./Low/Silent operation	dBA	37/31/25/21	42/35/28/21	
	Heating	Super high/High/Nom./Low/Silent operation	dBA	-/38/33/28/21	-/41/36/30/21	
Piping connections	Liquid	OD		6.35		
	Gas	OD		9.5		
	Drain			18		
	Heat insulation		Both liquid and gas pipes			
Temperature control			Microcomputer control			
Air direction control			Right, Left, Horizontal, Downward			
Air filter	Type		Removable / washable / mildew proof			

Standard Accessories : Titanium apatite photocatalytic air purification filter; Quantity : 2;

Standard Accessories : Indoor unit fixing screws; Quantity : 2;

Standard Accessories : Mounting plate; Quantity : 1;

Standard Accessories : Remote control holder; Quantity : 1;

Standard Accessories : Batteries; Quantity : 2;

Standard Accessories : Wireless remote control; Quantity : 1;

Standard Accessories : Operation manual; Quantity : 1;

Standard Accessories : Installation manual; Quantity : 1;

2 Specifications

2-2 Electrical Specifications				CTXS15K	CTXS35K
Power supply	Phase			1~	
	Frequency	Hz		50	
	Voltage		V	220-240	
Current	Nominal running current (RLA) - 50Hz	Cooling	A	0.19 (1) / 0.18 (2) / 0.17 (3)	
		Heating	A	0.19 (1) / 0.18 (2) / 0.17 (3)	
Wiring connections - 50Hz	For power supply	Remark	3 for power supply, 4 for interunit wiring (Earth wire included)		

Notes

- (1) 220V
- (2) 230V
- (3) 240V

3 Options

3 - 1 Options

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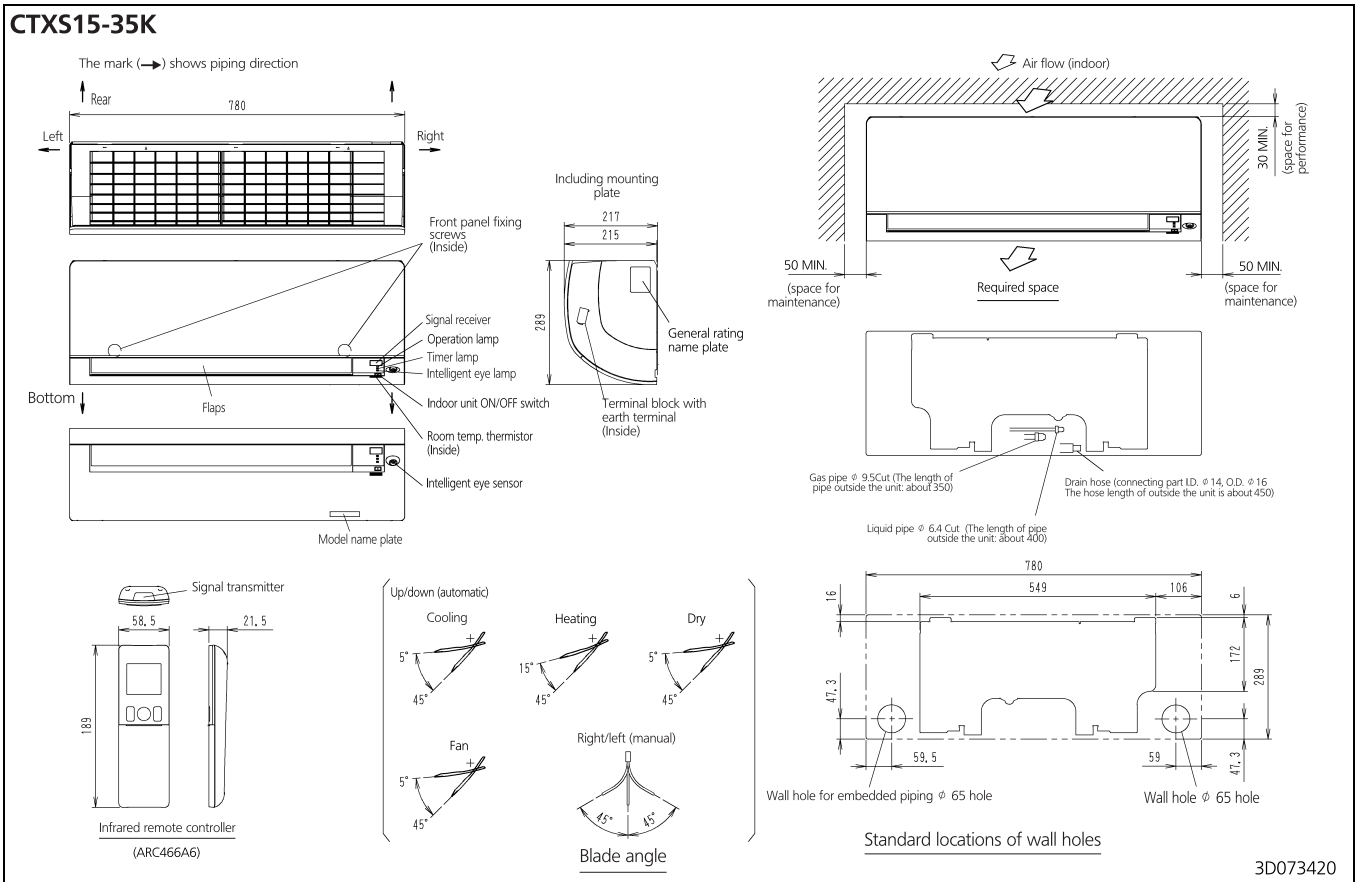
Indoor Units - Control systems

		CTXS15K	CTXS35K
Wired remote control (2)			BRC944
Cord for wired remote control	3m		BRCW901A03
	8m		BRCW901A08
Wiring adapter normal open contact / normal open pulse contact			KRP413A1S
Centralised control board	Up to 5 rooms		KRC72 (1)
Anti-theft protection for remote control			KKF910A4
Interface adapter for wired remote control			KRP980A1
Central remote controller			DCS302C51
Unified ON/OFF control			DCS301B51
Schedule timer			DT5301B51
Interface adapter for DIII-net			KRP928A2S
KNX gateway			KJLC-DD (3)

(1) Wiring adapter is also required for each indoor unit.
 (2) Cord for wired remote control BRCW901A03 or BRCW901A08 required.
 (3) Interface adapter KRP980A1 required.

4 Dimensional drawings

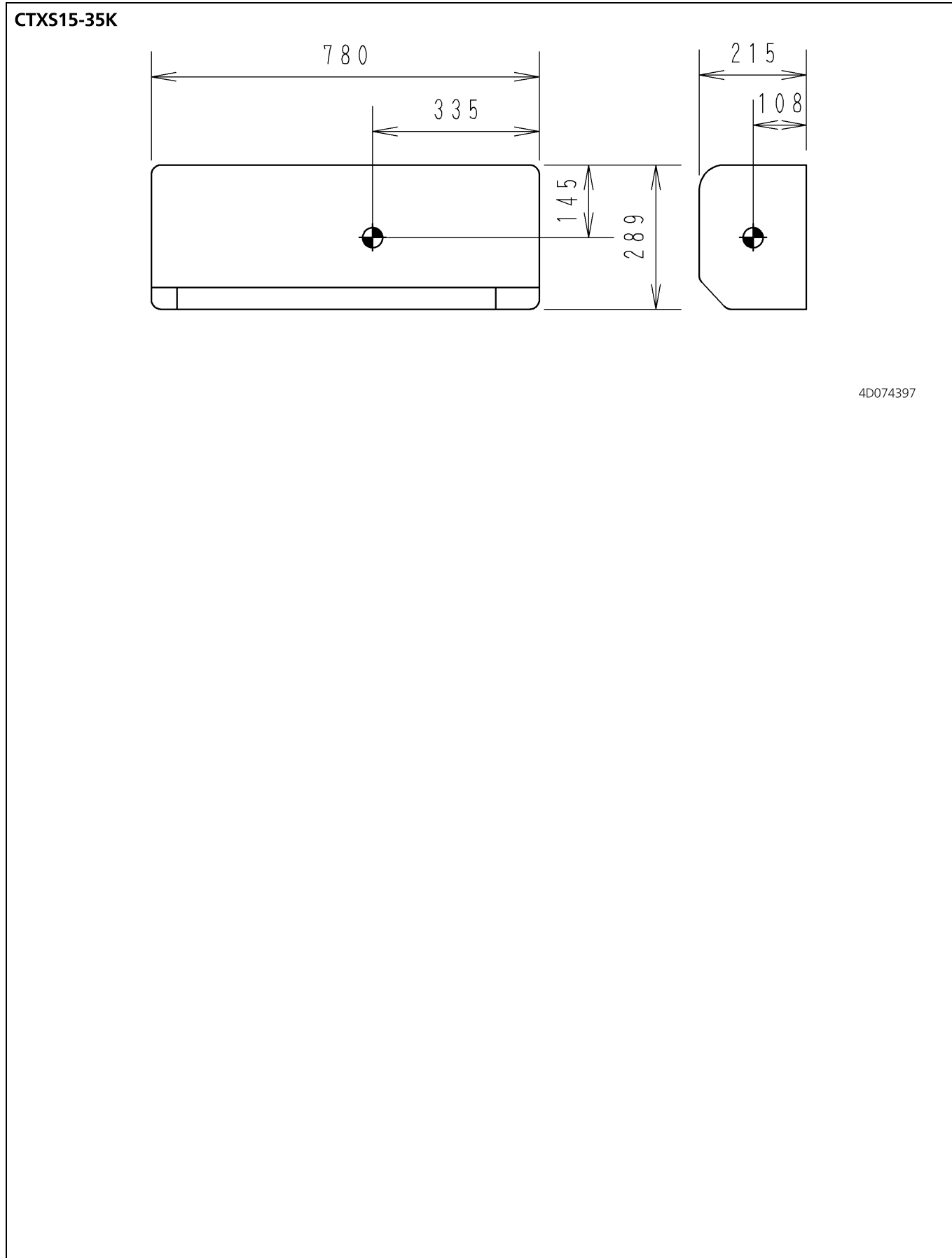
4 - 1 Dimensional Drawings



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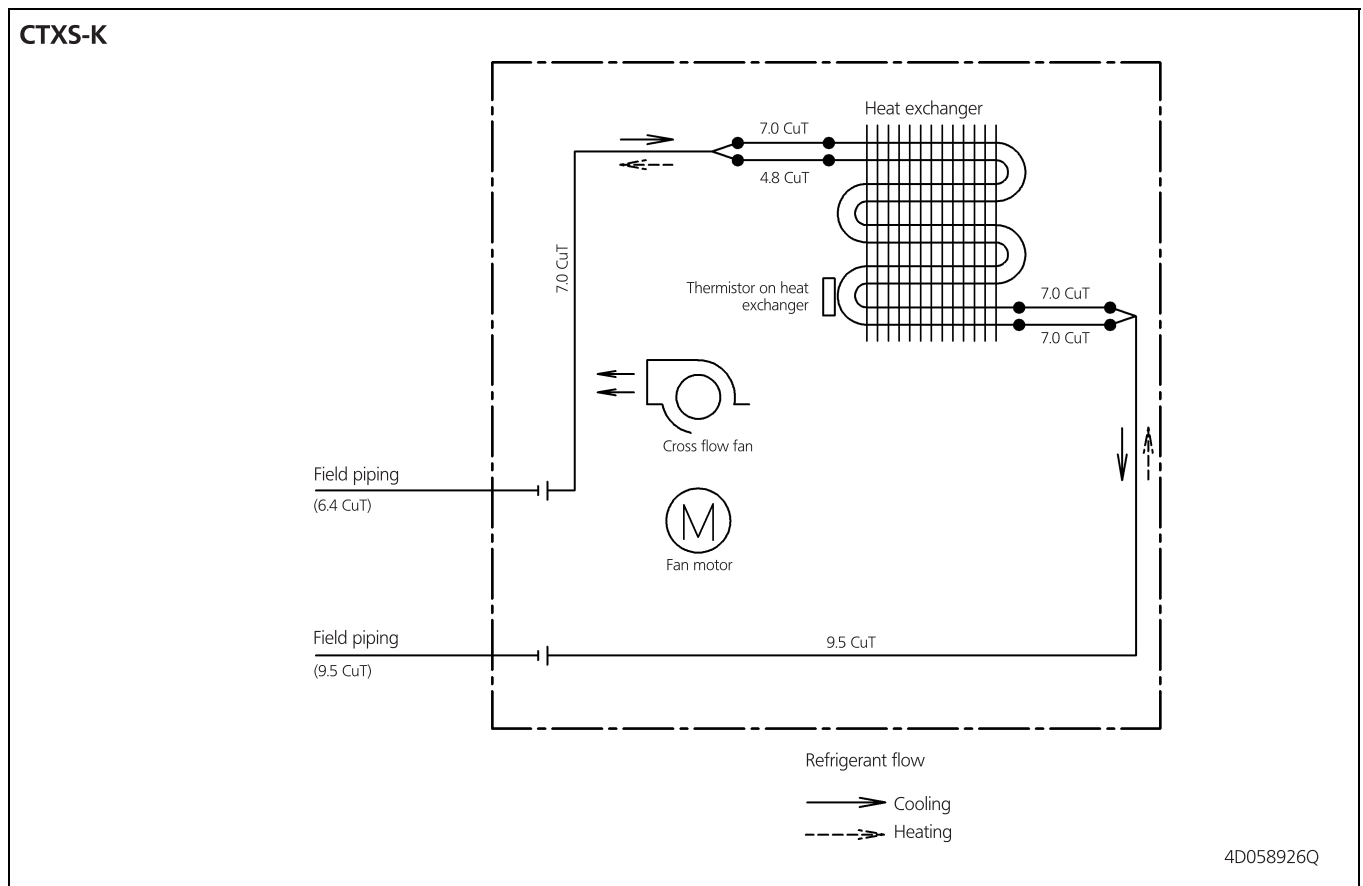
5 Centre of gravity

5 - 1 Centre of Gravity



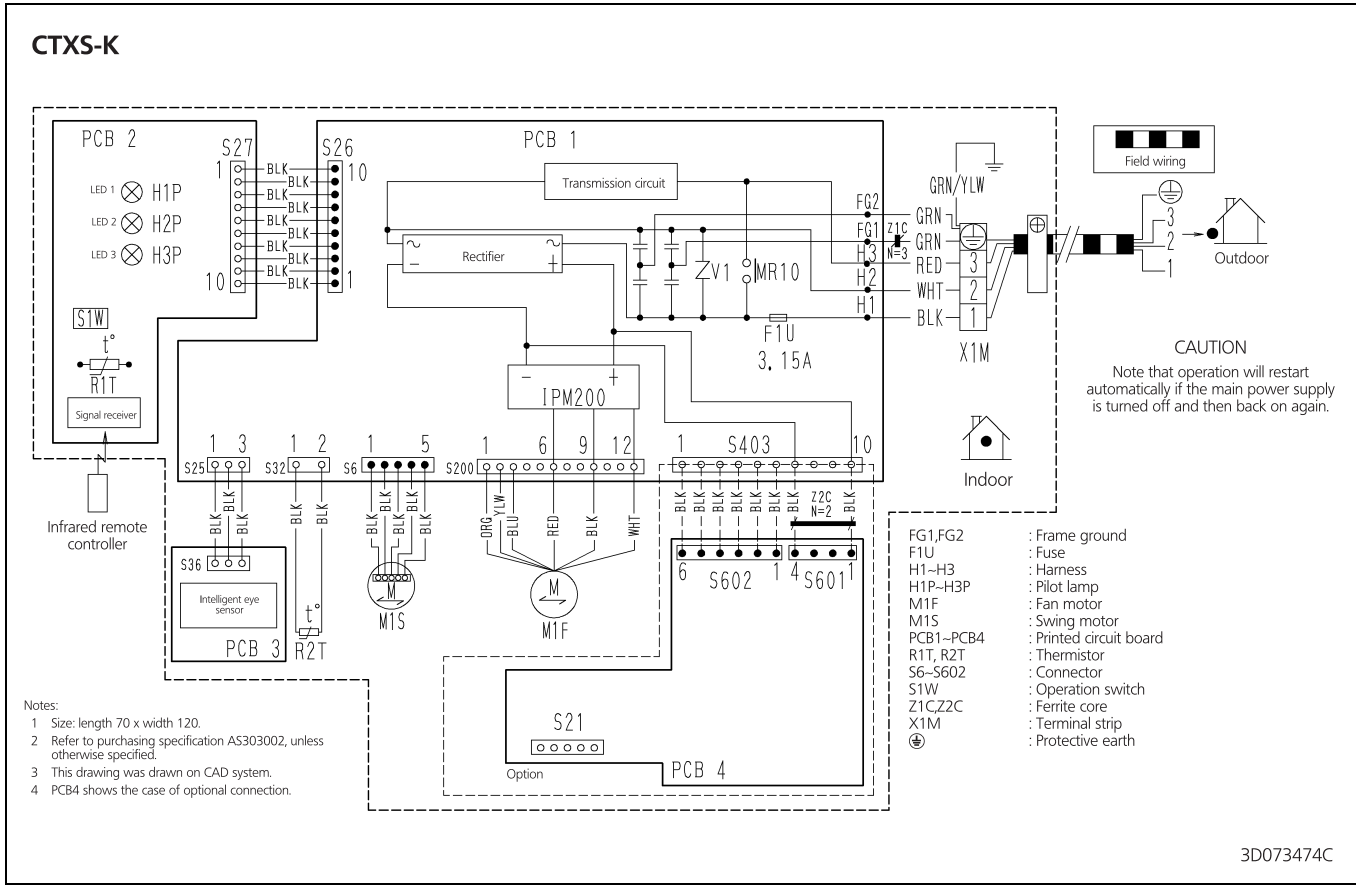
6 Piping diagrams

6 - 1 Piping Diagrams



7 Wiring diagrams

7 - 1 Wiring Diagrams - Single Phase

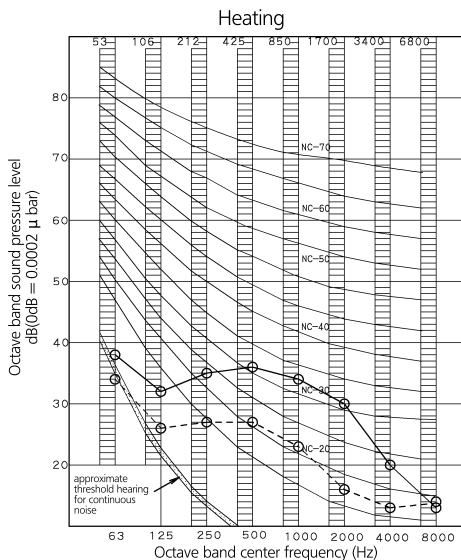
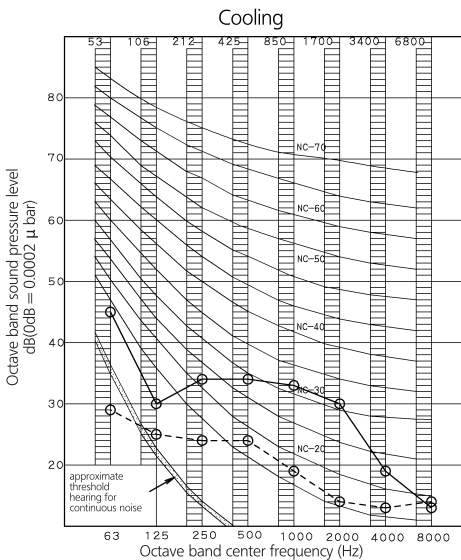


8 Sound data

8 - 1 Sound Pressure Spectrum

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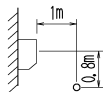
CTXS15K



NOTES

- Overall (dB) (B,G,N is already rectified)
- Measuring place: Measure in anechoic room
- Operation noise differs with operation and ambient conditions.
- Operating conditions: Power source 230V 50Hz
- Location of microphone JISC9612
The operation noise measuring method is in accordance with JISC9612
- Standard external static pressure
○ 50 Hz 230V (H)
○ 50 Hz 230V (L)

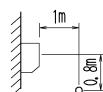
Scale	50Hz 230V (H)	50Hz 230V (L)
A	37	25



NOTES

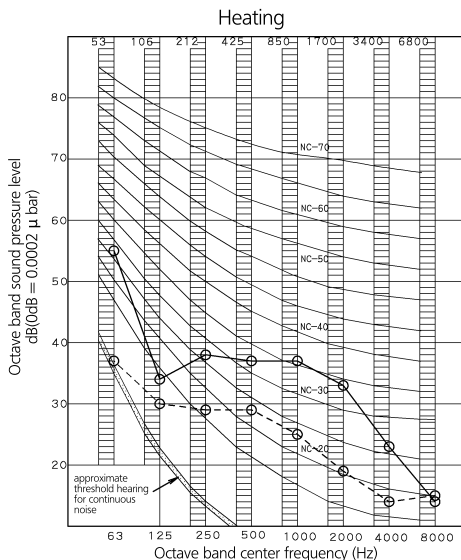
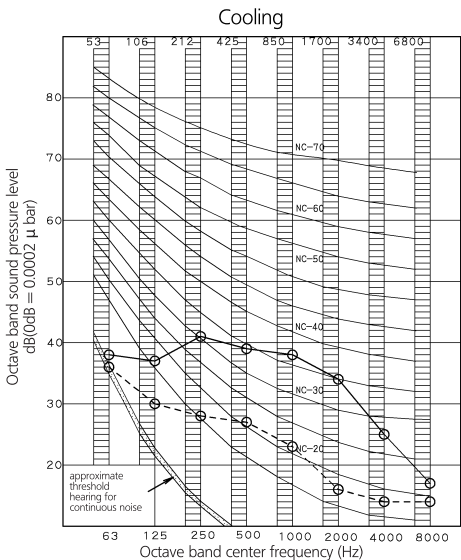
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- Operating conditions: Power source 230V 50Hz
- Location of microphone JISC9612
The operation noise measuring method is in accordance with JISC9612
- Standard external static pressure
○ 50 Hz 230V (H)
○ 50 Hz 230V (L)

Scale	50Hz 230V (H)	50Hz 230V (L)
A	38	28



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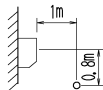
CTXS35K



NOTES

- Overall (dB) (B,G,N is already rectified)
- Measuring place: Measure in anechoic room
- Operation noise differs with operation and ambient conditions.
- Operating conditions: Power source 230V 50Hz
- Location of microphone JISC9612
The operation noise measuring method is in accordance with JISC9612
- Standard external static pressure
○ 50 Hz 230V (H)
○ 50 Hz 230V (L)

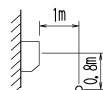
Scale	50Hz 230V (H)	50Hz 230V (L)
A	42	28



NOTES

- Overall (dB) (B,G,N is already rectified)
- Measuring place: Measure in anechoic room
- Operation noise differs with operation and ambient conditions.
- Operating conditions: Power source 230V 50Hz
- Location of microphone JISC9612
The operation noise measuring method is in accordance with JISC9612
- Standard external static pressure
○ 50 Hz 230V (H)
○ 50 Hz 230V (L)

Scale	50Hz 230V (H)	50Hz 230V (L)
A	41	30



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