



Air Conditioning Technical Data

Wall mounted unit



EEDEN15-100

CTXS-K, FTXS-K, FTXS-G

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CTXS-K, FTXS-K, FTXS-G

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1 Features

1 - 1 CTXS-K

- Movement sensor saves power consumption in unoccupied rooms: when the room is empty, the unit switches to economy mode after 20 minutes and restarts when a person enters the room.
- 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.
- Online controller (optional): control your indoor from any location with an app, via your local network or internet

1































								
Econo mode	Movement sensor	Energy saving during standby mode	Night set mode	Fan only	Comfort mode	Powerful mode	Auto cooling-heating changeover	Whisper quiet
								
Indoor unit silent operation	Outdoor unit silent operation	Vertical auto swing	Auto fan speed	Dry programme	Titanium apatite photocatalytic air purification filter	Weekly timer	24 hour timer	Infrared remote control
								
Wired remote control	Centralised control	Online controller via app	Auto-restart	Self diagnosis	Multi model application	VRV for residential application		

1 Features

1 - 2 FTXS-K

- Movement sensor saves power consumption in unoccupied rooms: when the room is empty, the unit switches to economy mode after 20 minutes and restarts when a person enters the room.
- Discreet, modern design. Its smooth curve blends beautifully with the wall resulting in an unobtrusive presence that matches all interior décors.
- 2-area intelligent eye: air flow is sent to a zone other than where the person is located at that moment; if no people are detected, the unit will automatically switch over to the energy-efficient setting. (35,42,50 class)
- High quality matt crystal white finish
- Whisper quiet in operation: the operating of the unit can hardly be heard. The sound pressure level goes down to 19dBA!
- Ideal for installation in bedrooms (20,25 class) and larger or irregular shaped living areas (35,42,50 class)
- New remote control design, also in high quality matt white finish to give a perfect match with the indoor unit
- 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.
- Online controller (optional): control your indoor from any location with an app, via your local network or internet



								
Econo mode	2 area intelligent eye	Movement sensor	Energy saving during standby mode	Night set mode	Fan only	Comfort mode	Powerful mode	Auto cooling-heating changeover
								
Whisper quiet	Indoor unit silent operation	Outdoor unit silent operation	3-D air flow	Vertical auto swing	Horizontal auto swing	Auto fan speed	Dry programme	Titanium apatite photocatalytic air purification filter
								
Weekly timer	24 hour timer	Infrared remote control	Wired remote control	Centralised control	Online controller via app	Auto-restart	Self diagnosis	Multi model application
	VRV for residential application							

1 Features

1 - 3 FTXS-G

- Movement sensor saves power consumption in unoccupied rooms: when the room is empty, the unit switches to economy mode after 20 minutes and restarts when a person enters the room.
- ECONO mode decreases power consumption so that other appliances that need large power consumption can be used
- 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces (50,60,71 class only)
- Comfort mode guarantees draught free operation by preventing that warm or cold air is directly blown on to the body
- Night set mode saves energy by preventing overcooling or overheating during night time
- Online controller (optional): control your indoor unit from any location via smartphone, laptop, pc, tablet or touch screen
- Indoor/outdoor unit silent operation: "silent" buttons on the remote control lower the operating sound of the indoor and/or outdoor unit by 3dBA each
- 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.
- 24 hour timer can be set to start heating or cooling anytime during a 24 hour period
- Centralised control of several units can be achieved via 3 wired controls: centralised remote control, unified on/off control, schedule timer
- Weekly timer can be set to start heating or cooling anytime on a daily or weekly basis



Movement sensor



Night set mode



Fan only



Comfort mode



Powerful mode



Auto cooling-heating changeover



Indoor unit silent operation



Outdoor unit silent operation



3-D air flow



Vertical auto swing



Horizontal auto swing



Auto fan speed



Fan speed steps



Dry programme



Titanium apatite photocatalytic air purification filter



Weekly timer



24 hour timer



Infrared remote control



Wired remote control



Centralised control



Online controller via app



Auto-restart



Self diagnosis



Multi model application



VRV for residential application



Econo mode

2 Specifications

2-1 Technical Specifications				CTXS15K	CTXS35K	FTXS20K	FTXS25K	FTXS35K	FTXS42K	FTXS50K	FTXS60G	FTXS71G	
Power input	Cooling	Nom.	kW	-							0.040 (1) / 0.040 (2) / 0.040 (3)	0.045 (1) / 0.045 (2) / 0.045 (3)	
	Heating	Nom.	kW	-							0.045 (1) / 0.045 (2) / 0.045 (3)	0.060 (1) / 0.060 (2) / 0.060 (3)	
Power input - 50Hz	Cooling	Nom.	kW	0.040			0.026	0.024	0.026	-			
	Heating	Nom.	kW	0.040			0.028	0.030	0.032	-			
Casing	Colour			White									
Dimensions	Unit	Height/Width/ Depth	mm	289/780/215				298/900/215			290 (4)/1,050/250		
	Packed unit	Height/Width/ Depth	mm	346/850/274				371/977/290			361/1,145/364		
Weight	Unit			8				11			12		
	Packed unit			12				15			18		
Packing	Weight			4				-			6		
Heat exchanger	Length		mm	610				665			863		
	Rows	Quantity		2									
	Fin pitch		mm	1.4									
	Stages	Quantity		12	14			18			16		
	Tube type				ø7 Hi-XA		ø7 Hi-XD		ø6.35 Hi-XD tube	Ø6,35 Hi-XB		ø7 Hi-XD	
	Fin	Type		ML fin (Multi louver)				Multi slit fin			ML fin (Multi louver)		
Heat exchanger 2	Length		mm	-		660	-		660			-	
	Rows	Quantity		-		1	-		1			-	
	Fin pitch		mm	-		1.6	-		1.6			-	
	Stages	Quantity		-		8	-		8			-	
Air filter	Type			Removable / washable / mildew proof									
Fan	Type			Cross flow fan									
	Air flow rate	Cooling	High	m ³ /min	7.9	9.2	8.8	9.1	11.2		11.9	16.0	17.2
			cfm	279	325	311	321	395		420	565	607	
		Nom.	m ³ /min	6.3	7.2	6.7	7.0	8.5	9.1	9.6	16.0	17.2	
			cfm	222	254	237	247	300	321	339	565	607	
		Low	m ³ /min	4.7	5.2	4.7	5.0	5.8	7.0	7.4	11.3	11.5	
			cfm	166	184	166	177	205	247	261	399	406	
		Silent operation	m ³ /min	3.9				4.1		4.5	10.1	10.5	
			cfm	138				145		159	357	371	
		Heating	High	m ³ /min	9.0	10.1	9.5	10.0	12.1	12.4	13.3	17.2	19.5
				cfm	318	357	335	353	427	438	470	607	689
			Nom.	m ³ /min	7.5	8.1	7.8	8.0	9.3	10.0	10.8	14.9	16.7
				cfm	265	286	275	282	328	353	381	526	590
			Low	m ³ /min	6.0	6.3	6.0		6.5	7.8	8.4	12.6	14.2
				cfm	212	222	212		230	275	297	445	501
Silent operation	m ³ /min		4.3				4.2	5.2	5.5	11.3	12.6		
	cfm		152				148	184	194	399	445		

2 Specifications

2

2-1 Technical Specifications				CTXS15K	CTXS35K	FTXS20K	FTXS25K	FTXS35K	FTXS42K	FTXS50K	FTXS60G	FTXS71G	
Fan motor	Model			MM6C02J2VA					KFD-280-23-8C		ARW3001DA		
	Speed	Steps			5 + silent, + auto								
		Cooling	High/ Medium/Low/ Silent operation	rpm	1,200/ 990/780/ 670	1,390/ 1,120/ 850/670	1,330/ 1,050/ 780/670	1,370/ 1,090/ 820/670	1,330/ 1,050/ 780/600	1,330/ 1,110/ 900/600	1,400/ 1,170/ 940/650	1,330/ 1,170/ 1,010/ 920	1,410/ 1,220/ 1,040/ 950
	Heating	High/ Medium/Low/ Silent operation	rpm	1,290/ 1,100/ 920/690	1,430/ 1,190/ 960/690	1,360/ 1,140/ 920/690	1,410/ 1,160/ 920/690	1,420/ 1,130/ 850/610	1,450/ 1,210/ 980/720	1,540/ 1,290/ 1,040/ 750	1,360/ 1,200/ 1,040/ 950	1,520/ 1,330/ 1,150/ 1,040	
Output	High	W		-					-		43		
	Rated	W		16				23			-		
Sound power level	Cooling			dBA	55	59	58	59	59	60	63		
	Heating			dBA	56	58	58	59	60	59	62		
Sound pressure level	Cooling	High/Nom./Low/ Silent operation	dBA	37/31/25/ 21	42/35/28/ 21	40/32/24/ 19	41/33/25/ 19	45/37/29/ 19	45/39/33/ 21	46/40/34/ 23	45/41/36/ 33	46/42/37/ 34	
	Heating	High/Nom./Low/ Silent operation	dBA	38/33/28/ 21	41/36/30/ 21	40/34/27/ 19	41/34/27/ 19	45/39/29/ 19	45/39/33/ 22	47/40/34/ 24	44/40/35/ 32	46/42/37/ 34	
Control systems	Infrared remote control			ARC466A6				ARC466A9		ARC452A3			
Refrigerant	Type			-								R-410A	
Piping connections	Liquid	OD	6.35										
	Gas	OD	9.5			12.7			15.9				
	Drain	18											
	Heat insulation	Both liquid and gas pipes											
Temperature control	Microcomputer control												
Air direction control	Right, Left, Horizontal, Downward												

- Standard Accessories : Installation manual; Quantity : 1;
- Standard Accessories : Operation manual; Quantity : 1;
- Standard Accessories : Infrared remote control; Quantity : 1;
- Standard Accessories : Batteries; Quantity : 2;
- Standard Accessories : Remote control holder; Quantity : 1;
- Standard Accessories : Mounting plate; Quantity : 1;
- Standard Accessories : Titanium apatite photocatalytic air purification filter; Quantity : 2;
- Standard Accessories : Indoor unit fixing screws; Quantity : 2;
- Standard Accessories : AAA dry-cell batteries; Quantity : 2;
- Standard Accessories : Wireless remote control; Quantity : 1;
- Standard Accessories : Titanium apatite photocatalytic air purification filter without frame; Quantity : 2;

2-2 Electrical Specifications				CTXS15K	CTXS35K	FTXS20K	FTXS25K	FTXS35K	FTXS42K	FTXS50K	FTXS60G	FTXS71G
Power supply	Name			V1								
	Phase			1~								
	Frequency		Hz	50								
	Voltage		V	220-240								
Current	Nominal running current (RLA) - 50Hz	Cooling	A	0.19 (2) / 0.18 (3) / 0.17 (4)	0.19 (1) / 0.18 (2) / 0.17 (3)	0.12 (1) / 0.12 (2) / 0.11 (3)	0.11 (2) / 0.11 (3) / 0.11 (4)	0.12 (2) / 0.12 (3) / 0.11 (4)	0.19 (1) / 0.18 (2) / 0.17 (3)	0.21 (1) / 0.20 (2) / 0.19 (3)		
		Heating	A	0.19 (2) / 0.18 (3) / 0.17 (4)	0.19 (1) / 0.18 (2) / 0.17 (3)	0.13 (1) / 0.13 (2) / 0.12 (3)	0.14 (2) / 0.14 (3) / 0.13 (4)	0.15 (2) / 0.14 (3) / 0.14 (4)	0.21 (1) / 0.20 (2) / 0.19 (3)	0.28 (1) / 0.27 (2) / 0.26 (3)		
Wiring connections - 50Hz	For power supply	Remark	-								3 for power supply, 4 for interunit wiring (Earth wire included)	

2 Specifications

Notes

(1) When connected with multi-system outdoor unit, refer to the specifications of the multi outdoor unit to be connected.

(2) 220V

(3) 230V

(4) 240V

SL: The silent fan level of the air flow rate setting

3 Options

3 - 1 Options

3

C/FTXS-K/G

Indoor Units - Control systems

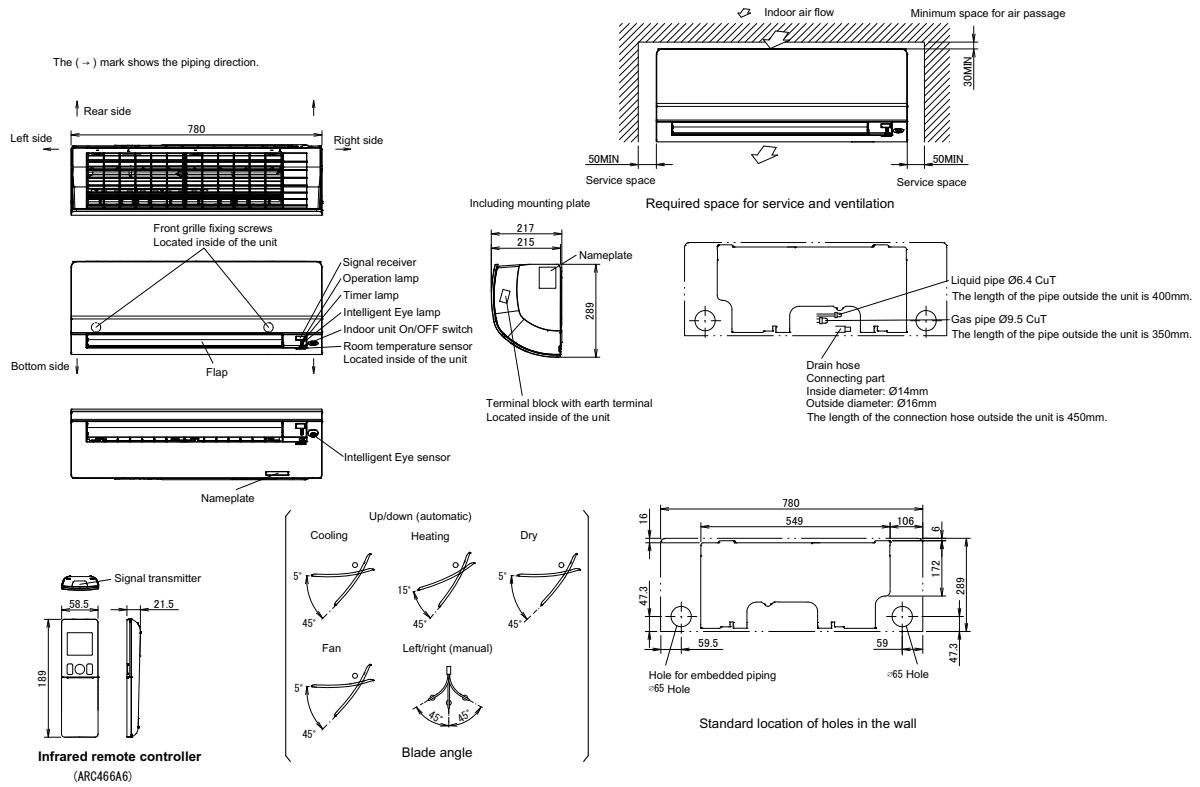
		CTXS15K	FTXS20K	FTXS25K	CTXS35K	FTXS35K	FTXS42K	FTXS50K	FTXS60G	FTXS71G
Wired remote control			BRC344 (3) (4) BRC073 (3) (4)					BRC344 (3) BRC073 (3)		
Cord for wired remote control	3m					BRCW901A03				
	8m					BRCW901A08				
Wiring adapter normal open contact / normal open pulse contact			KRP413A1S (1) (4)					KRP413A1S (1)		
Centralised control board	Up to 5 rooms					KRC72 (2)				
Anti-theft protection for remote control						KXP910A4				
Interface adapter for wired remote control			KRP980A1					-		
Interface adapter for DIII-net			KRP928A2S (4)					KRP928A2S		
Online controller			BRP069A43					BRP069A42		
Modbus gateway			RTD-RA (4)					RTD-RA		
KNX gateway			KJIC-DD (4)					KJIC-DD		

- (1) Wiring adapter supplied by Daikin, Time clock and other devices: to be purchased locally.
 (2) Wiring adapter is also required for each indoor unit.
 (3) Cord for wired remote control BRCW901A03 or BRCW901A08 required.
 (4) Interface adapter KRP980A1, KRP067A41 or KRP980B2 required.

4 Dimensional drawings

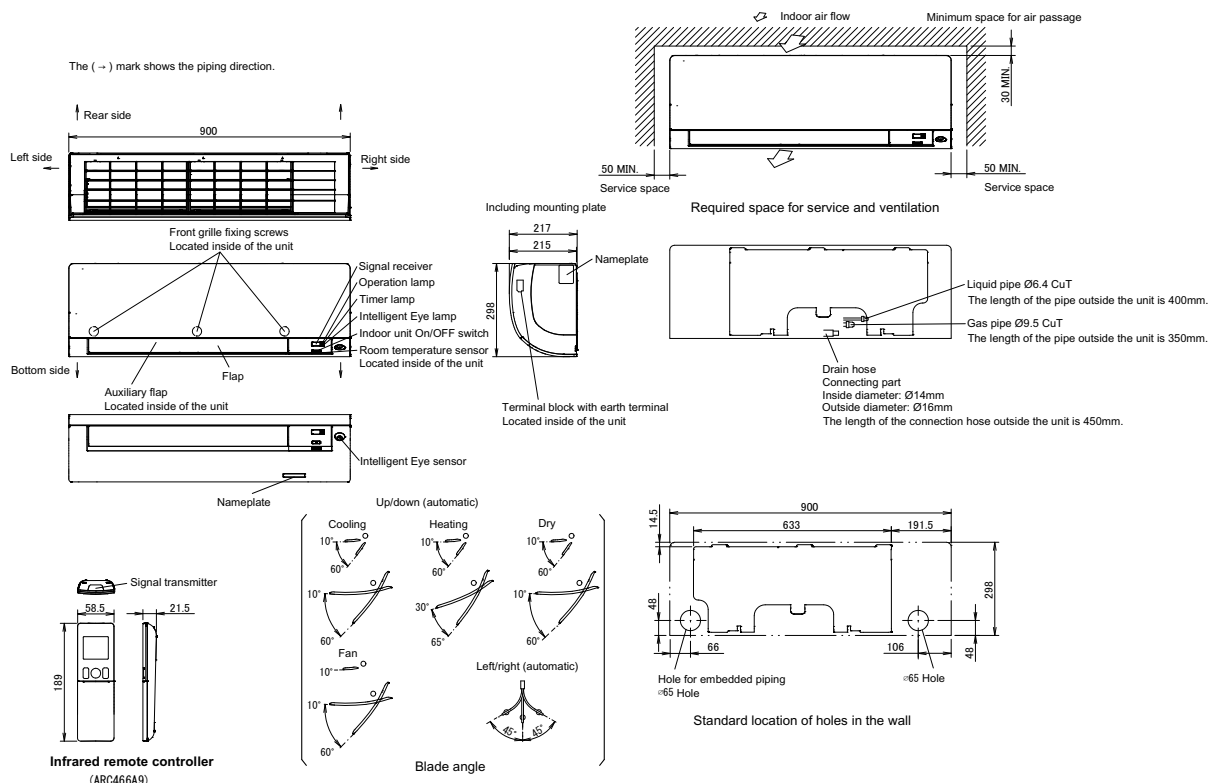
4 - 1 Dimensional Drawings

CTXS15-35K/FTXS20-25K



3D092255

FTXS35-42K

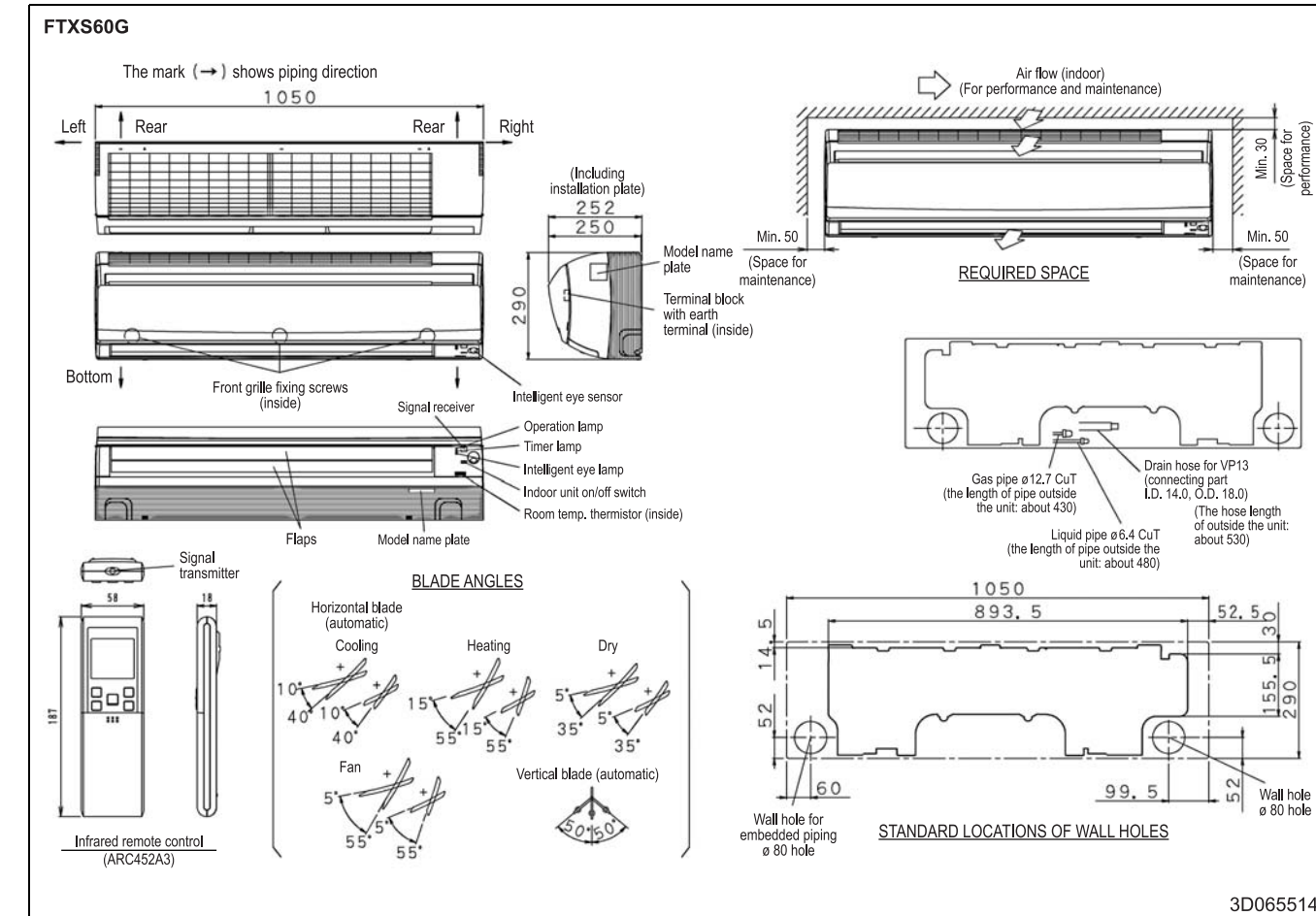
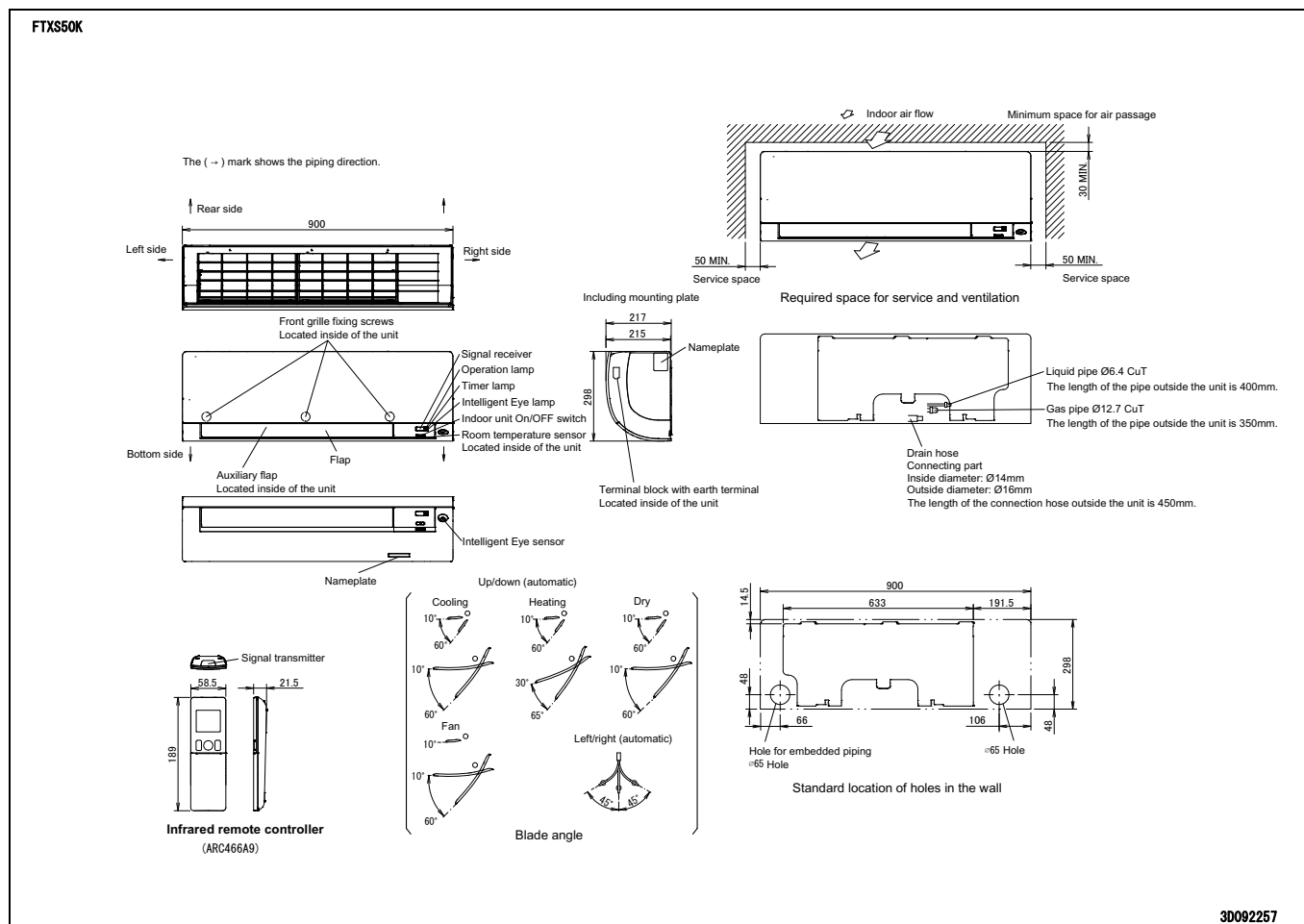


3D092256

4 Dimensional drawings

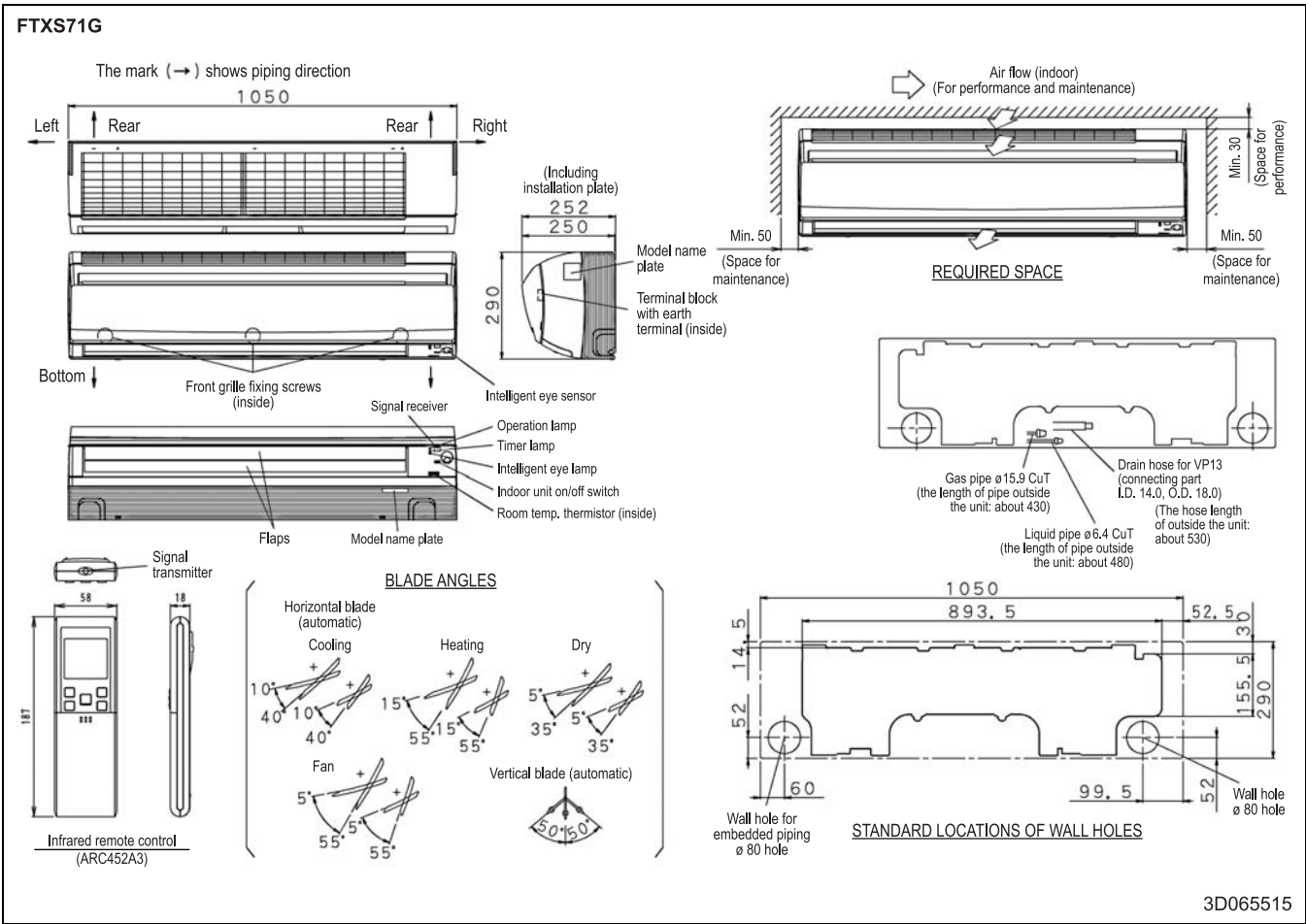
4 - 1 Dimensional Drawings

4



4 Dimensional drawings

4 - 1 Dimensional Drawings

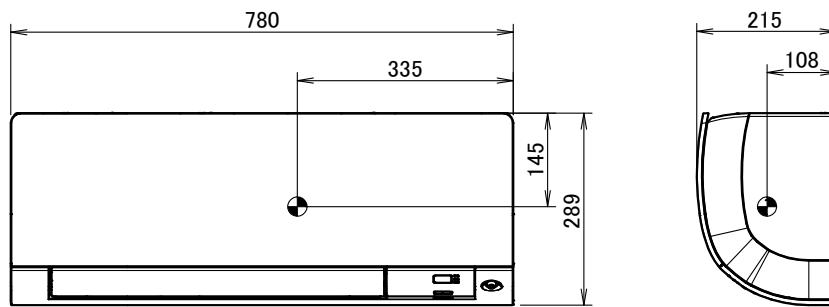


5 Centre of gravity

5 - 1 Centre of Gravity

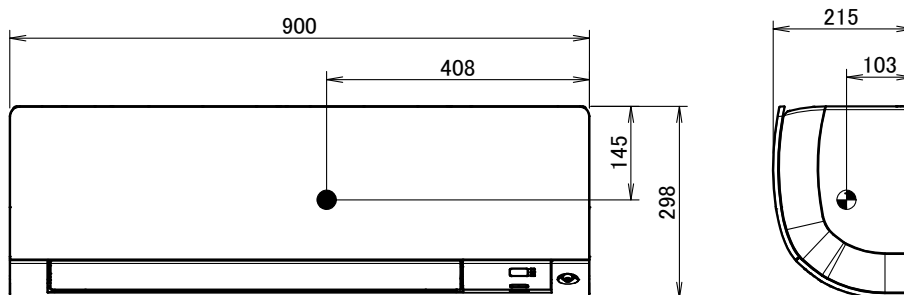
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CTXS15-35K/FTXS20-25K



4D092261

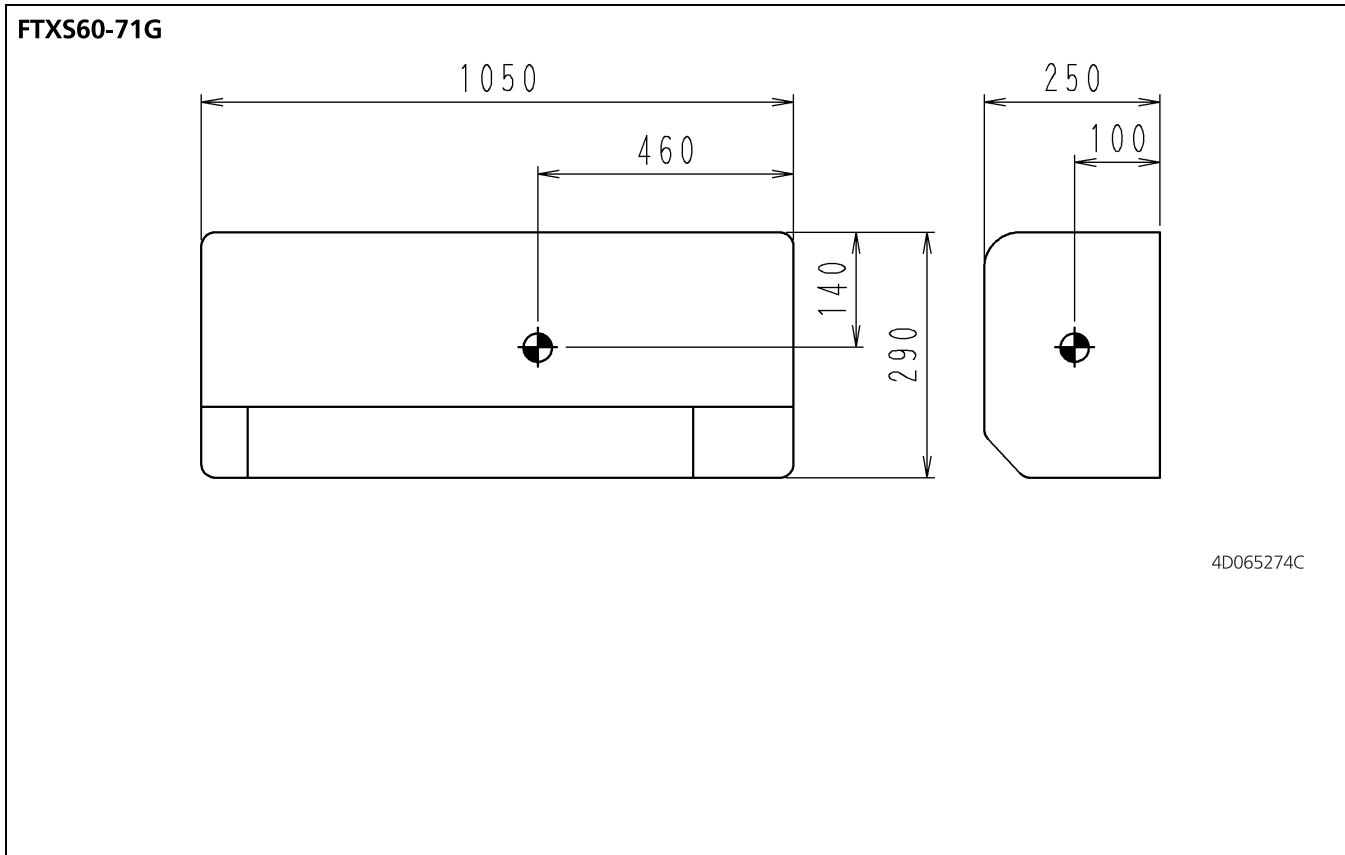
FTXS35-50K



4D092262

5 Centre of gravity

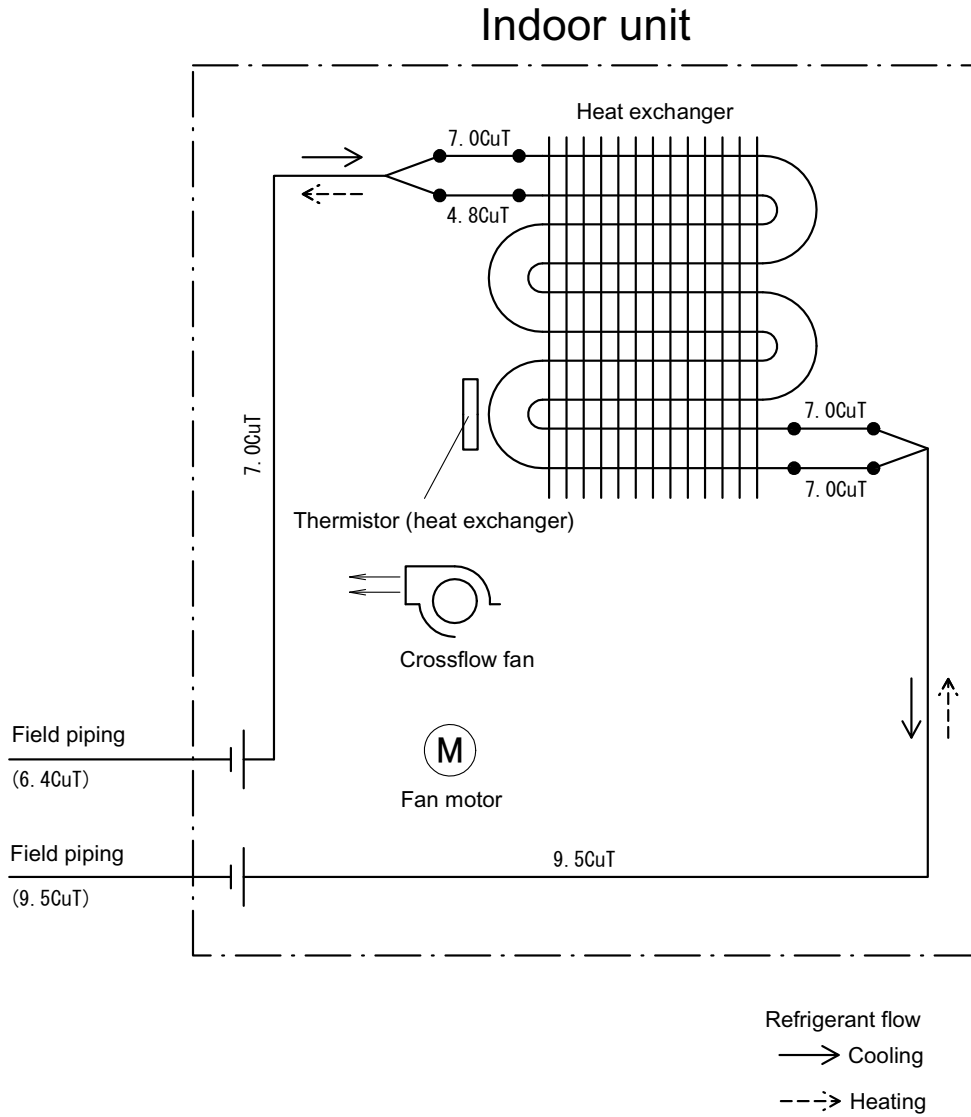
5 - 1 Centre of Gravity



6 Piping diagrams

6 - 1 Piping Diagrams

CTXS15-35K/FTXS20-25K

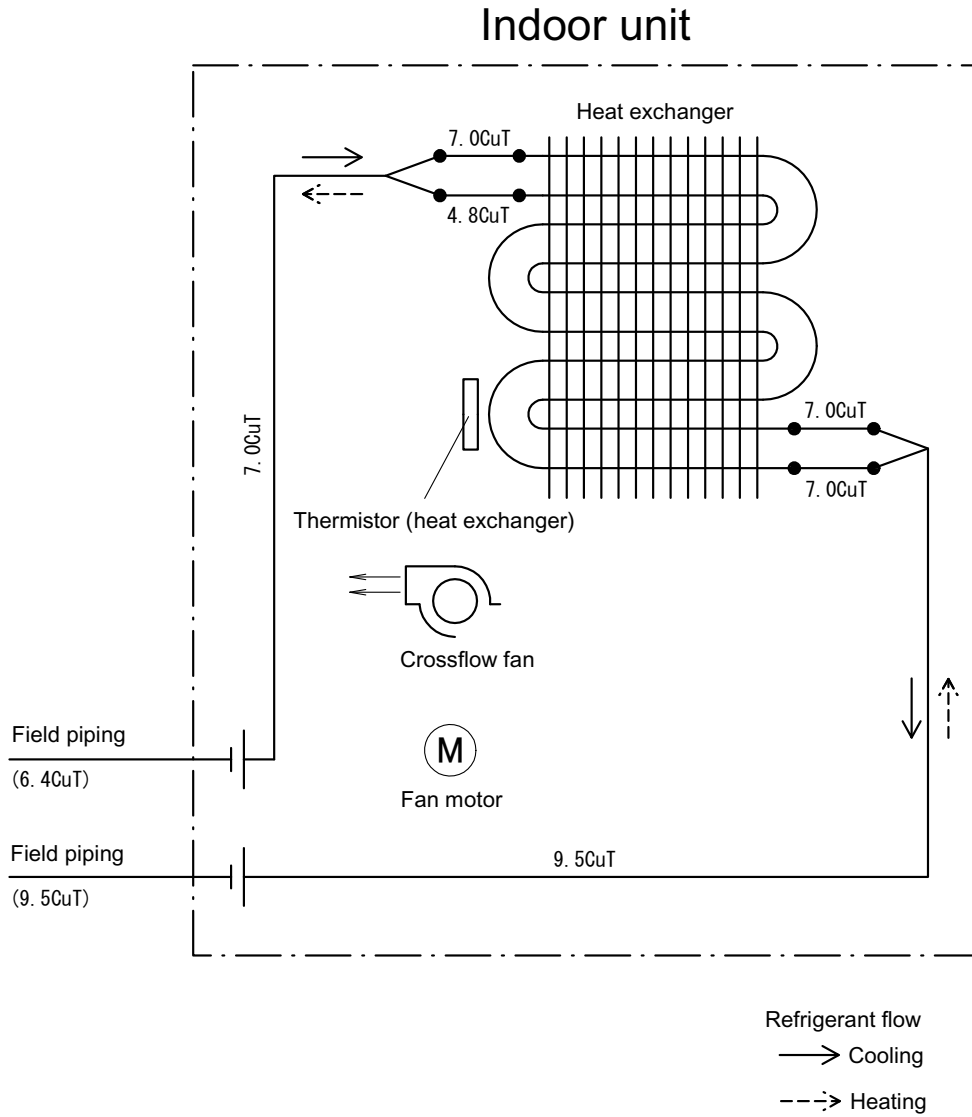


4D092258

6 Piping diagrams

6 - 1 Piping Diagrams

FTXS35-42K



4D092259

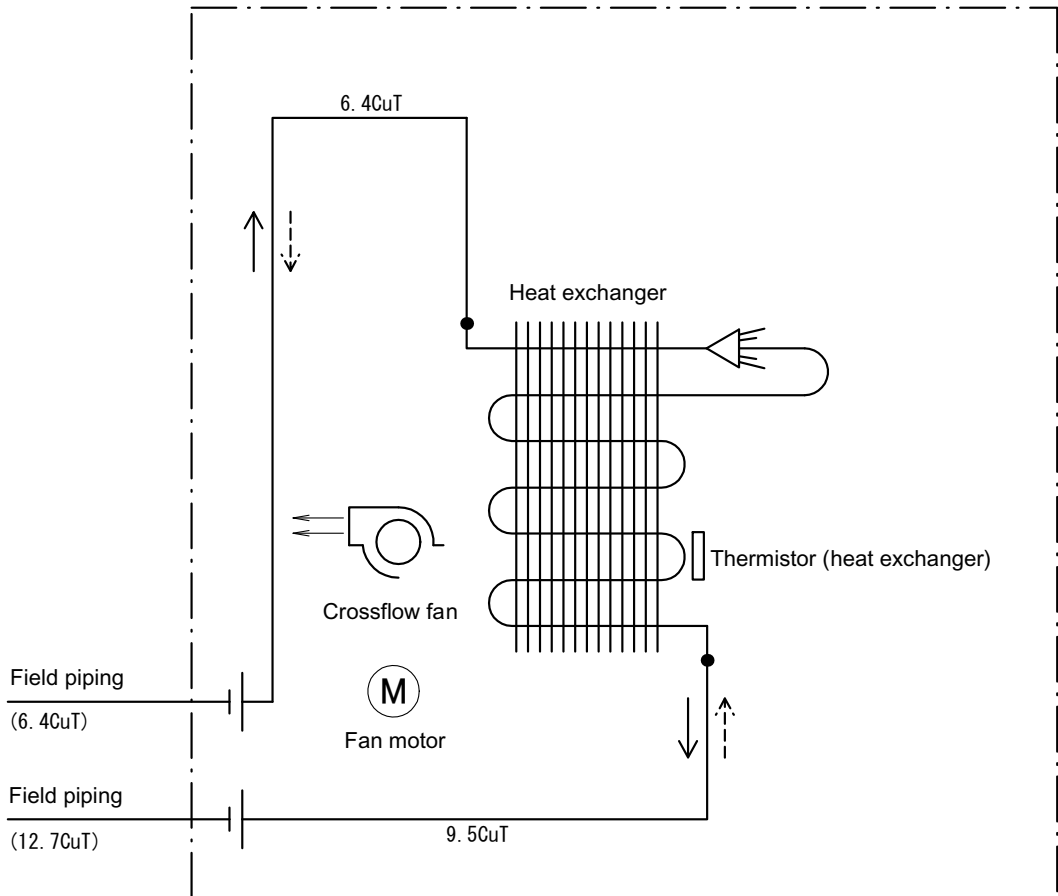
6 Piping diagrams

6 - 1 Piping Diagrams

6

FTXS50K

Indoor unit

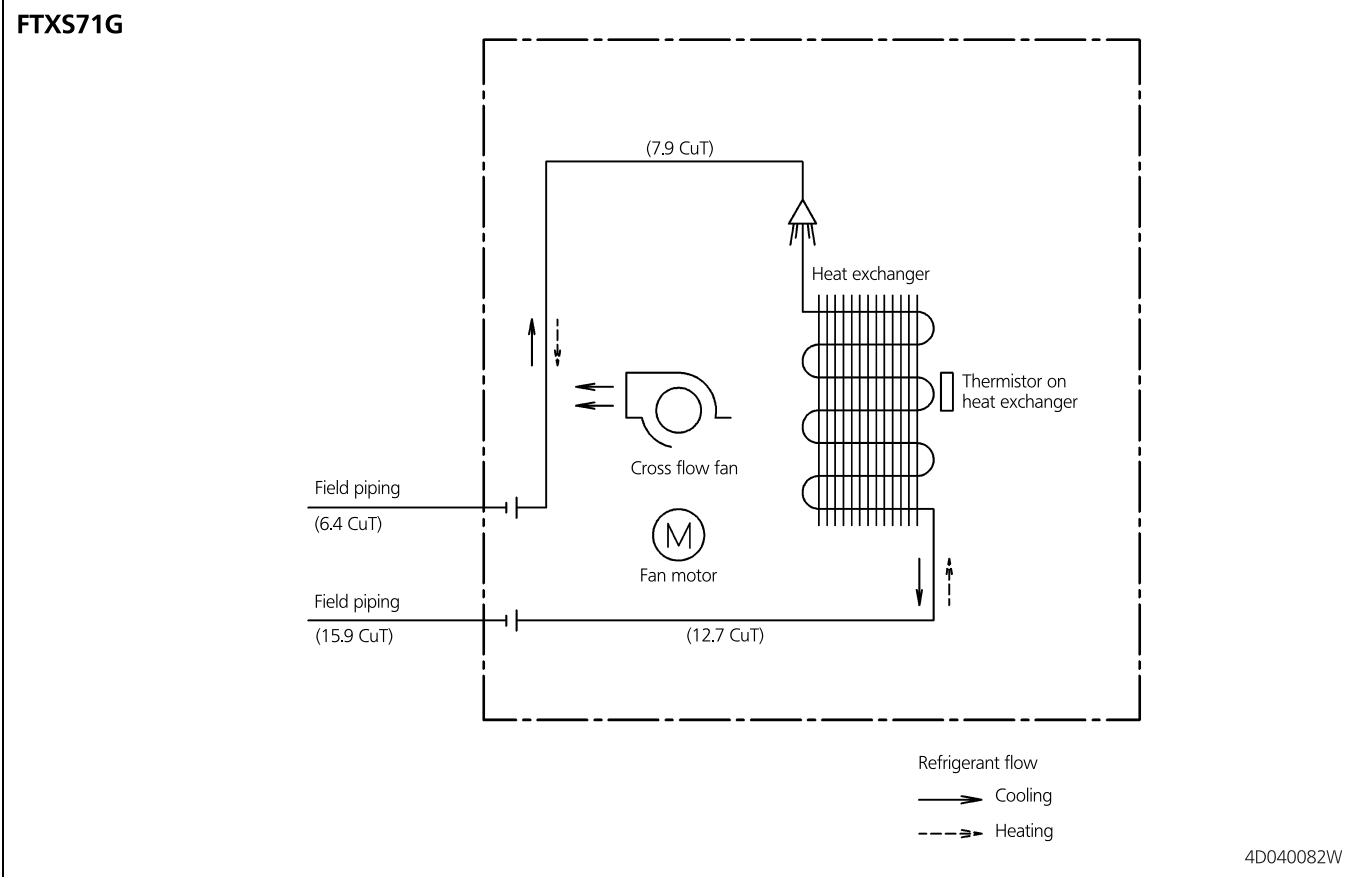
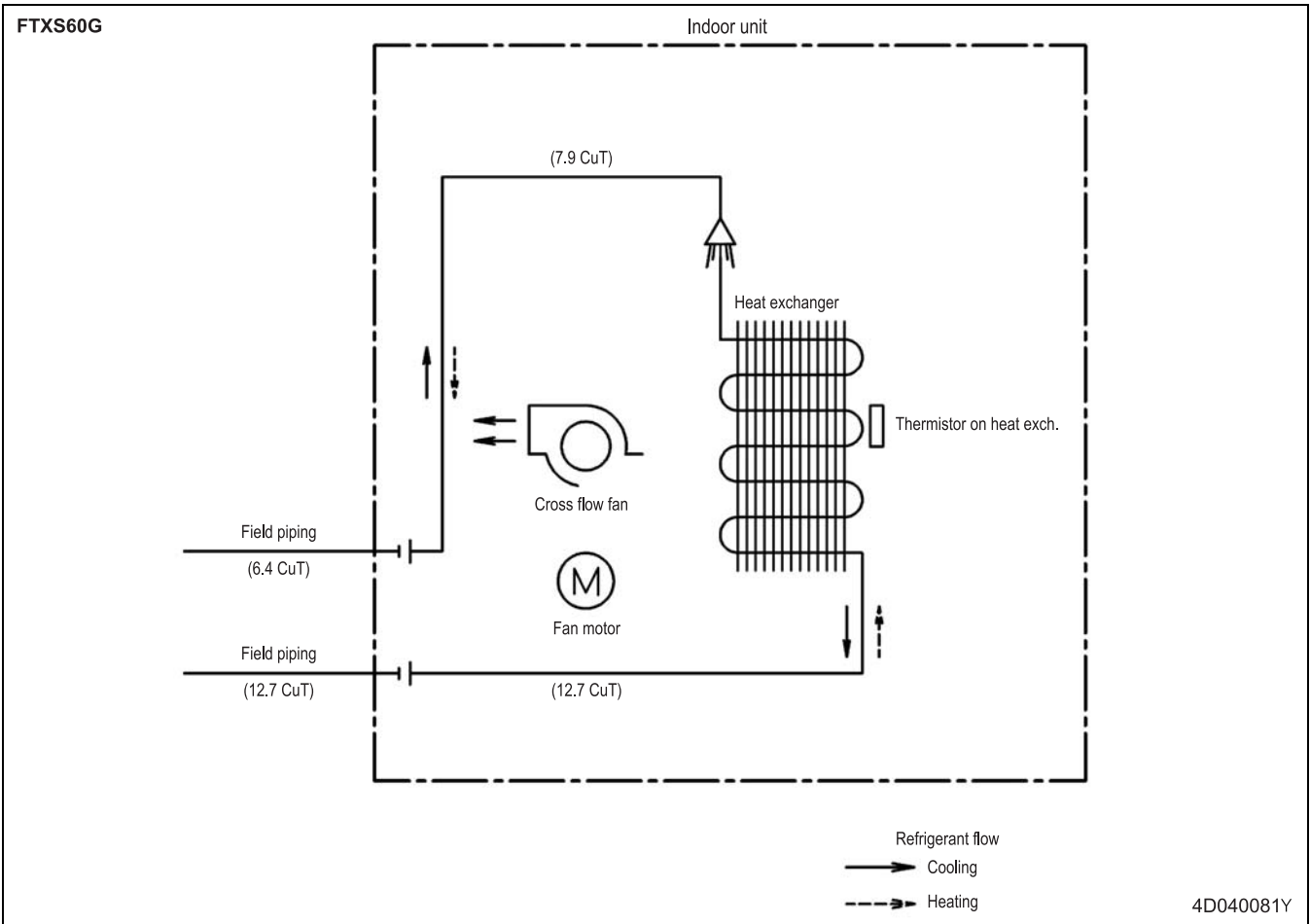


Refrigerant flow
 —→ Cooling
 - - -→ Heating

4D092260

6 Piping diagrams

6 - 1 Piping Diagrams

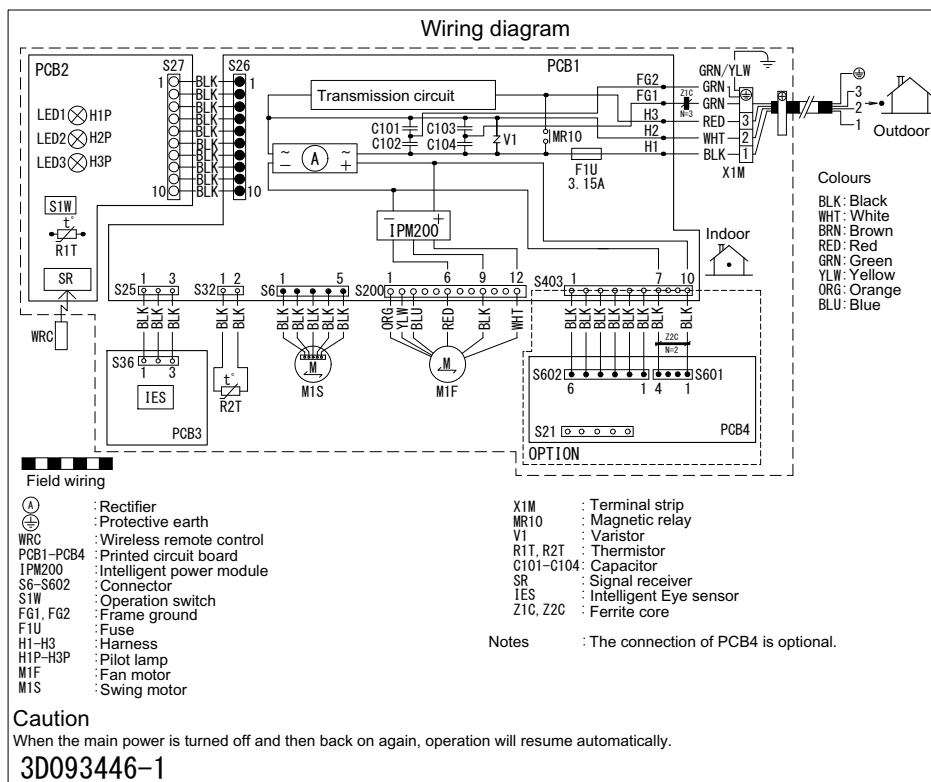


7 Wiring diagrams

7 - 1 Wiring Diagrams - Single Phase

7

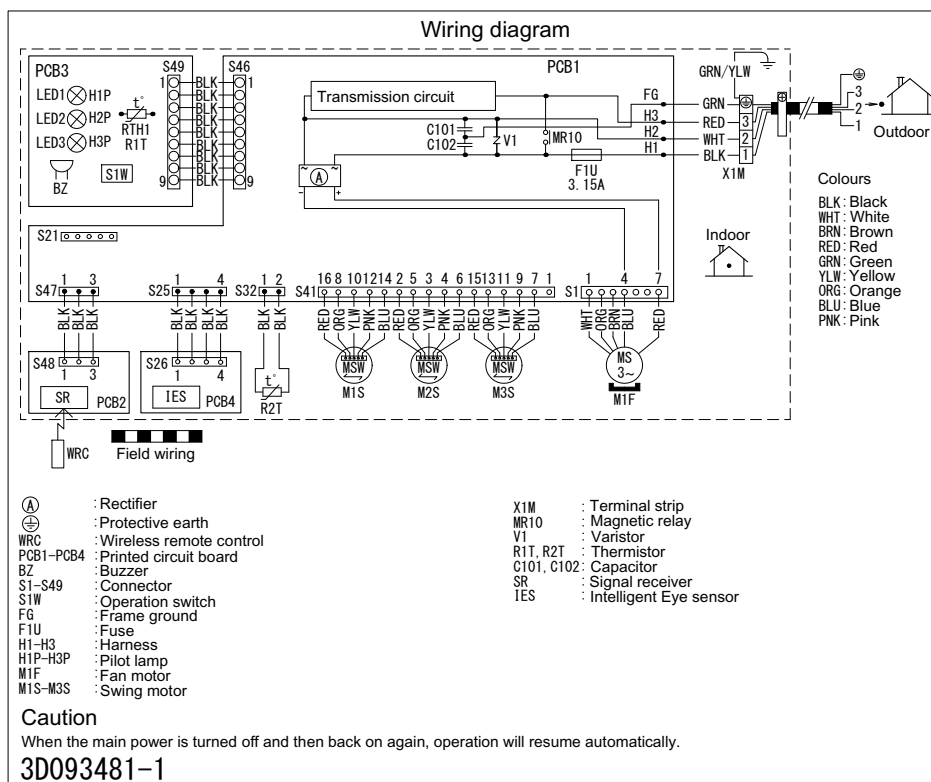
CTXS15-35K / FTXS20-25K



Notes
1. Size: length 100 X width 120.

3D093446A

FTXS35-50K

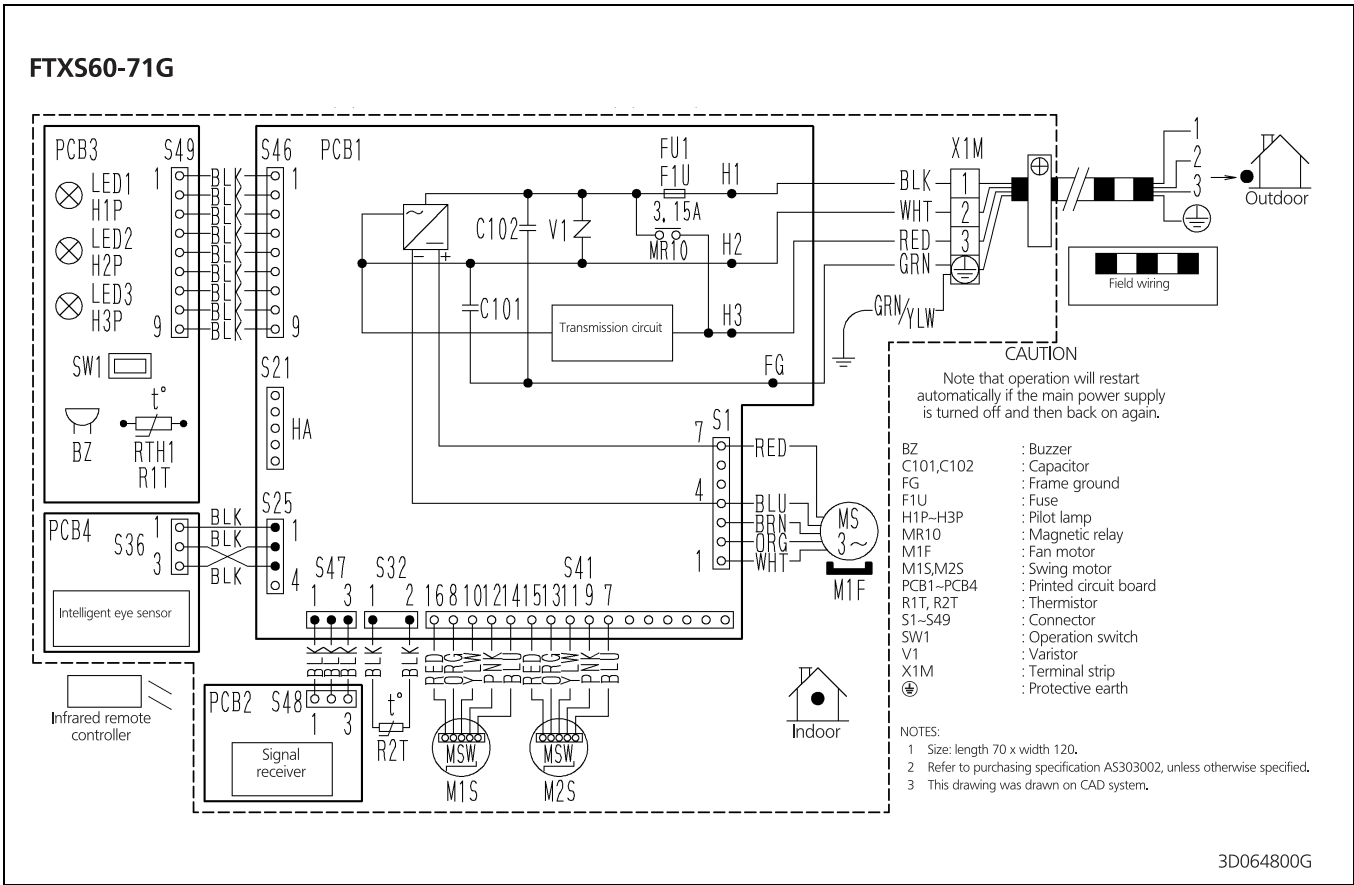


Notes
1. Size: length 100 X width 120.

3D093481A

7 Wiring diagrams

7 - 1 Wiring Diagrams - Single Phase

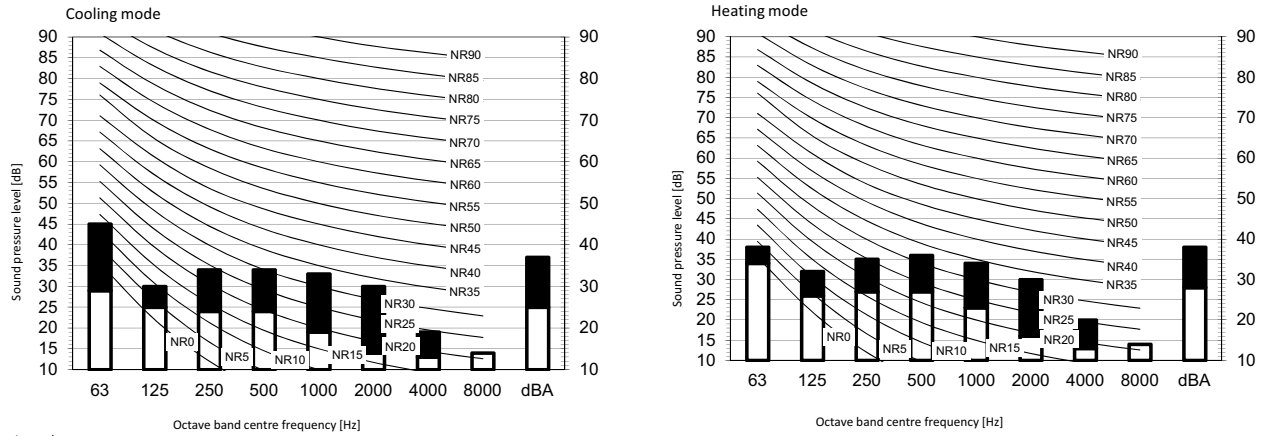


8 Sound data

8 - 1 Sound Pressure Spectrum

8

CTXS15K



Legend

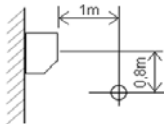
dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale

B High-tap

C Low-tap

Location of microphone



Cooling Total dB		
A	B	C
dBA	37	25

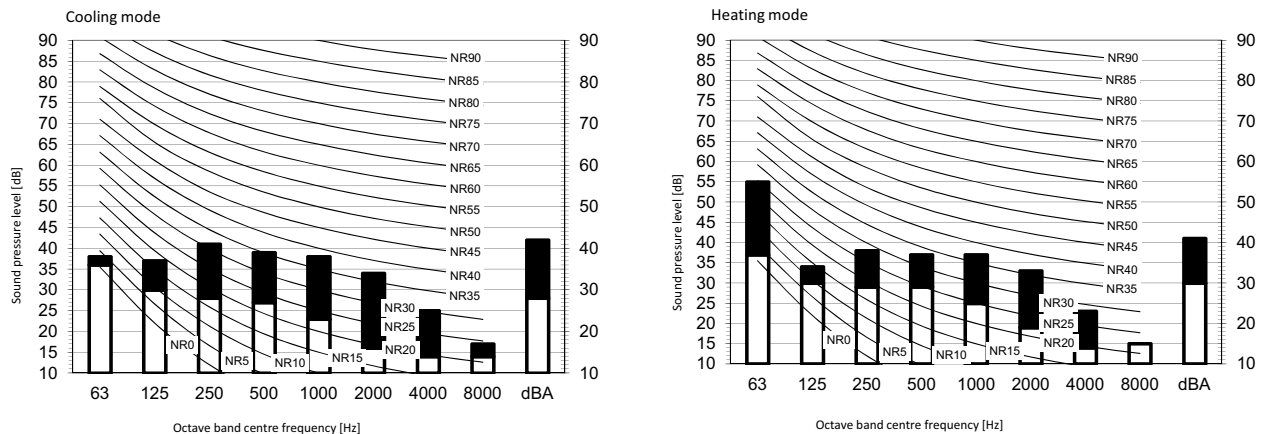
Heating Total dB		
A	B	C
dBA	38	28

Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

3D094019

CTXS35K



Legend

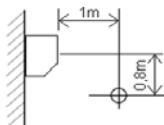
dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale

B High-tap

C Low-tap

Location of microphone



Cooling Total dB		
A	B	C
dBA	42	28

Heating Total dB		
A	B	C
dBA	41	30

Notes

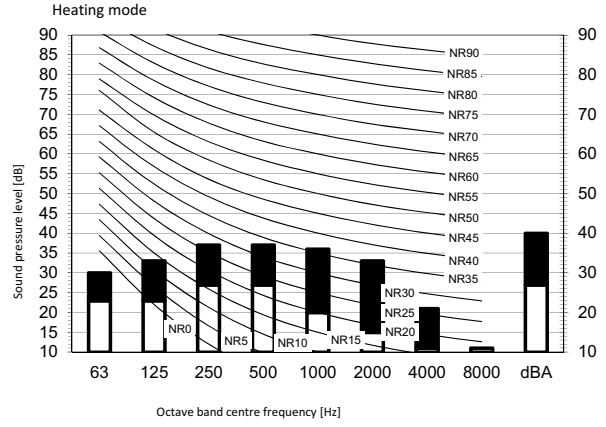
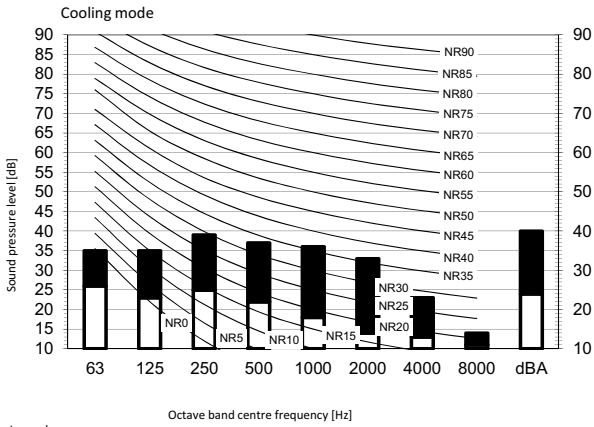
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

3D094020

8 Sound data

8 - 1 Sound Pressure Spectrum

FTXS20K



Legend

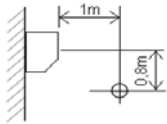
dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale

B High-tap

C Low-tap

Location of microphone



Cooling Total dB		
A	B	C
dBA	40	24

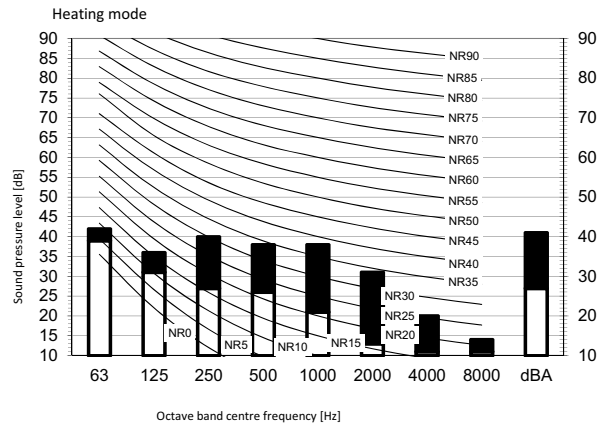
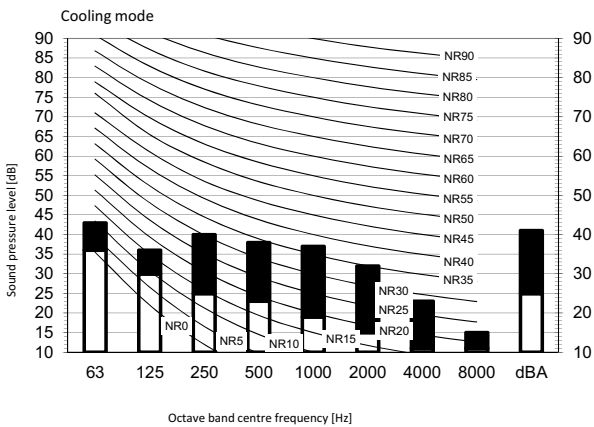
Heating Total dB		
A	B	C
dBA	40	27

Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

3D092363A

FTXS25K



Legend

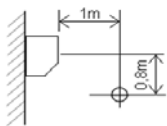
dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale

B High-tap

C Low-tap

Location of microphone



Cooling Total dB		
A	B	C
dBA	41	25

Heating Total dB		
A	B	C
dBA	41	27

Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

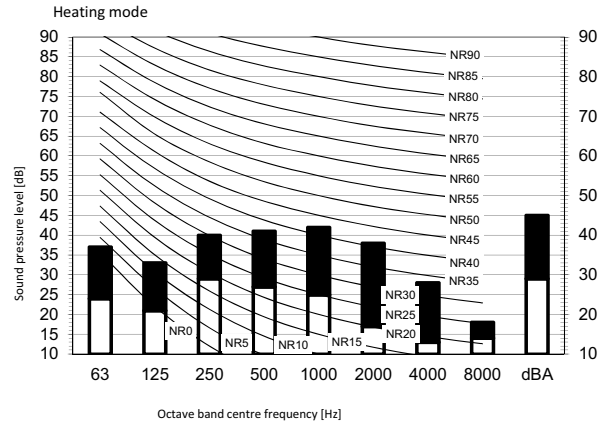
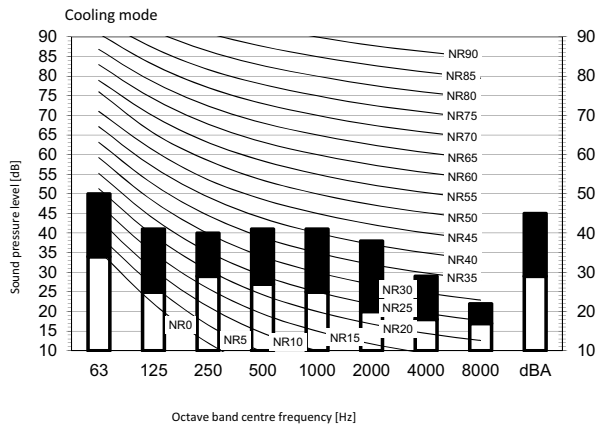
3D092364A

8 Sound data

8 - 1 Sound Pressure Spectrum

8

FTXS35K



Legend

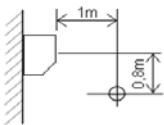
dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale

B High-tap

C Low-tap

Location of microphone



Notes

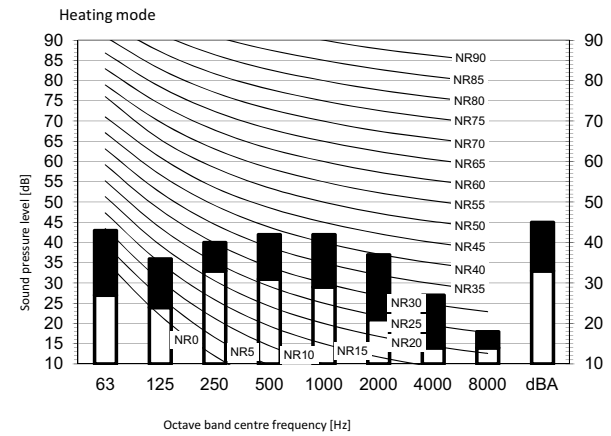
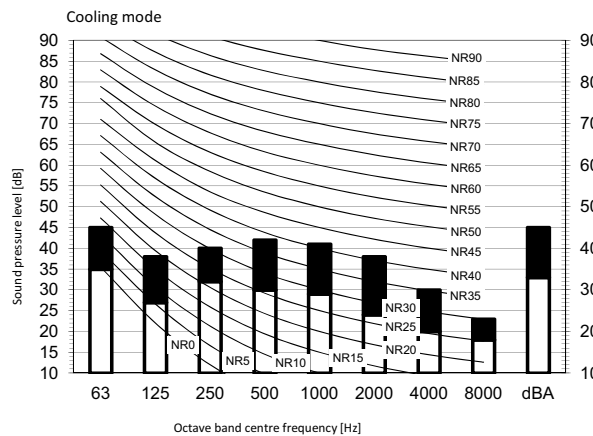
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

Cooling		Total dB	
A	B	C	
dBA	45	29	

Heating		Total dB	
A	B	C	
dBA	45	29	

3D092365A

FTXS42K



Legend

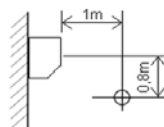
dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale

B High-tap

C Low-tap

Location of microphone



Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

Cooling		Total dB	
A	B	C	
dBA	45	33	

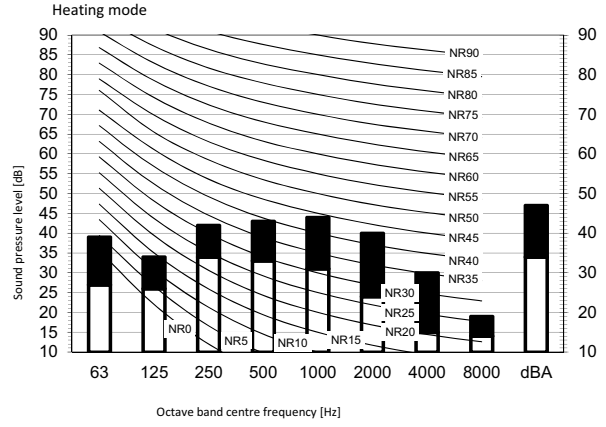
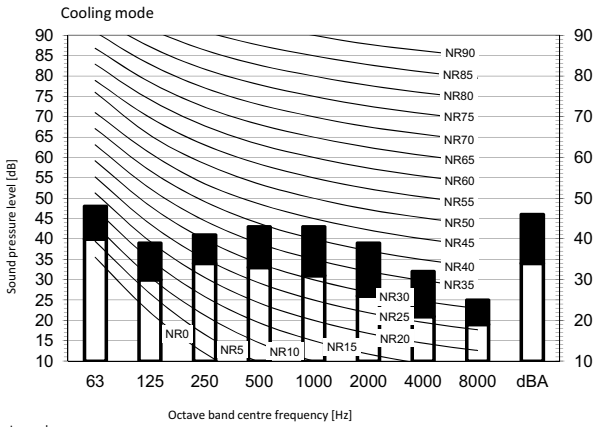
Heating		Total dB	
A	B	C	
dBA	45	33	

3D094021

8 Sound data

8 - 1 Sound Pressure Spectrum

FTXS50K



Legend

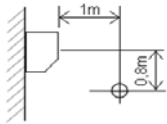
dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale

B High-tap

C Low-tap

Location of microphone



Cooling Total dB		
A	B	C
dBA	46	34

Heating Total dB		
A	B	C
dBA	47	34

Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

3D094018

8 Sound data

8 - 2 Sound Level Data

8

FTXS60G

Cooling

Heating

NOTES

- Over All (dB): (B,G,N is already rectified)
- Measuring place: measure in anechoic room.
- Operation noise differs with operation and ambient conditions.
- Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JISC9612

Scale	50Hz 220-240V	
	(H)	(L)
A	45	36

3D051227E

FTXS71G

Cooling

Heating

NOTES

- Over All (dB): (B,G,N is already rectified)
- Measuring place: measure in anechoic room.
- Operation noise differs with operation and ambient conditions.
- Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JISC9612

Scale	50Hz 220-240V	
	(H)	(L)
A	46	37

3D051225D



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