



technical data

FTXG-C



**Wall Mounted,
Inverter Controlled Unit**

air conditioning systems

Split Sky Air

Split - Sky Air



ISO14001 assures an effective environmental management system in order to help protect human health and the environment from the potential impact of our activities, products and services and to assist in maintaining and improving the quality of the environment



Daikin units comply with the European regulations that guarantee the safety of the product.



Daikin Europe N.V. is approved by LRQA for its Quality Management System in accordance with the ISO9001 standard. ISO9001 pertains to quality assurance regarding design, development, manufacturing as well as to services related to the product.



Daikin Europe N.V. participates in the Eurovent Certification Programme for Air Conditioners (AC), Liquid Chilling Packages (LCP) and Fan Coil Units (FC); the certified data of certified models are listed in the Eurovent Directory.

Specifications are subject to change without prior notice.

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FTK/XS-DVMW

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1 Features

1

- Comfort mode reassures draught-free operation
- Vertical auto-swing function moves the discharge flaps up and down for efficient air distribution throughout the room
- You have the choice out of 5 fan speeds to select
- Daikin's special dry programme reduces humidity in the room without variation in room temperature
- Night set mode saves energy by preventing overcooling or overheating during night time
- Powerful mode can be selected for rapid cooling
- Indoor unit silent operation: "Silent" button on the remote control lowers the operation sound of the indoor unit by 3dB(A).
- The new titanium apatite photocatalytic air purification filter increases the active surface area for effective purification and deodorisation
- ECONO mode decreases power consumption so that other appliances that need large power supply can be used
- The movement sensor saves power consumption in unoccupied rooms
- Daikin remote controls give you easy control at your fingertips.



optional



5 steps

standard



(integrated titanium apatite)

2 Specifications

2-1 NOMINAL CAPACITY AND POWER INPUT						
For indoor units only:						
INDOOR UNITS			FTKS20DVMW	FTKS25DVMW	FTKS35DVMW	
NOMINAL INPUT	Cooling	kW	0.035	0.035	0.040	

For combination indoor + outdoor units (air cooled):						
COOLING ONLY - INVERTER CONTROLLED (air cooled)			FTKS20DVMW	FTKS25DVMW	FTKS35DVMW	
			RKS20DVMB	RKS25DVMB	RKS35DVMB	
Cooling capacity	min-nom-max	kW	1.2~2.0~2.6	1.3~2.5~3.0	1.4~3.4~3.8	
Nominal input	min-nom-max	kW	0.30~0.49~0.83	0.30~0.685~0.96	0.30~1.045~1.27	
EER			4.08	3.65	3.25	
Energy label			A	A	A	
Annual energy consumption	Cooling	kWh	245	343	523	

2-2 TECHNICAL SPECIFICATIONS				FTKS20DVMW	FTKS25DVMW	FTKS35DVMW
Casing	Colour			White		
Dimensions	Packing	Height	mm	340	340	340
		Width	mm	855	855	855
		Depth	mm	265	265	265
	Unit	Height	mm	283	283	283
		Width	mm	800	800	800
		Depth	mm	195	195	195
Weight	Machine Weight		kg	9.0	9.0	9.0
	Gross Weight		kg	12.0	12.0	12.0
Heat Exchanger	Dimensions	Length	mm	610	610	610
		Nr of Rows		2	2	2
		Fin Pitch	mm	1.40	1.40	1.40
		Nr of Stages		12	12	12
	Tube type			Hi-XA (7)		
	Fin	Type		ML fin (Multi louver)		
Fan	Type			Cross flow fan		
Air Flow Rate	Cooling	High	m³/min	8.7	8.7	8.9
		Medium	m³/min	6.7	6.7	6.9
		Low	m³/min	4.7	4.7	4.9
		Silent Operation	m³/min	3.9	3.9	4.0
Fan	Motor	Quantity		1	1	1
		Model		KFD-280-40-8B		
		Number of steps		5 steps, silent and auto		
Motor	Speed (cooling)	High	rpm	1290	1290	1310
		Medium	rpm	1050	1050	1070
		Low	rpm	810	810	830
		Silent Operation	rpm	710	710	730
Fan	Motor	Output (high)	W	40	40	40
Cooling	Sound Power	High	dBA	56.0	56.0	57.0
	Sound Pressure	High	dBA	38.0	38.0	39.0
		Low	dBA	25.0	25.0	26.0
		Silent Operation	dBA	22.0	22.0	23.0
Refrigerant	Type			R-410A		

2-2 TECHNICAL SPECIFICATIONS				FTKS20DVMW	FTKS25DVMW	FTKS35DVMW
Piping connections	Liquid (OD)	Diameter (OD)	mm	6.35	6.4	6.4
	Gas	Diameter (OD)	mm	9.5	9.5	9.5
	Drain	Diameter (OD)	mm	18	18	18
	Heat Insulation			Both liquid and gas pipes		
Air Filter				Removable/washable/Mildew proof		
Air direction control				Left, right, up and downwards		
Temperature control				Microcomputer control		
Standard Accessories	Item			Titanium apatite photocatalytic air purification filter		
	Quantity			2	2	2
	Item			Operation manual		
	Quantity			1	1	1
	Item			Installation manual		
	Quantity			1	1	1
	Item			Infrared remote control		
	Quantity			1	1	1
	Item			Batteries		
	Quantity			2	2	2
	Item			Remote control holder		
	Quantity			1	1	1
	Item			Indoor unit fixing screws		
	Quantity			2	2	2
	Item			Mounting plate		
	Quantity			1	1	1

2-3 ELECTRICAL SPECIFICATIONS				FTKS20DVMW	FTKS25DVMW	FTKS35DVMW
Power Supply	Name			VM	VM	VM
	Phase			1	1	1
	Frequency		Hz	50/60		
	Voltage		V	220-240/220-230		
Current	Nominal running current (RLA)	Cooling	A	0.16	0.16	0.18
Wiring connections	For Power Supply	Quantity		3	3	3
		Remark		4 for interunit wiring (included earth wiring)		
Voltage range	Minimum			-10%		
	Maximum			+10%		
Power Supply Intake				Outdoor unit only		

2-4 NOMINAL CAPACITY AND POWER INPUT						
For indoor units only:						
INDOOR UNITS				FTXS20DVMW	FTXS25DVMW	FTXS35DVMW
NOMINAL INPUT	Cooling		kW	0.035	0.035	0.040
	Heating		kW	0.035	0.035	0.040

For combination indoor + outdoor units (air cooled):						
COOLING ONLY - INVERTER CONTROLLED (air cooled)				FTXS20DVMW	FTXS25DVMW	FTXS35DVMW
				RXS20DVMB	RXS25DVMB	RXS35DVMB
Cooling capacity		min~nom~max	kW	1.3~2.0~2.6	1.3~2.5~3.0	1.4~3.4~3.8
Heating capacity		min~nom~max	kW	1.3~2.7~4.1	1.3~3.4~4.5	1.4~4.0~5.0
Nominal input	Cooling	min~nom~max	kW	0.30~0.49~0.83	0.30~0.685~0.96	0.30~1.045~1.27
	Heating	min~nom~max	kW	0.29~0.66~1.30	0.29~0.92~1.43	0.31~1.155~1.56
EER				4.08	3.65	3.25
COP				4.09	3.70	3.46
Energy label	Cooling			A	A	A
	Heating			A	A	B
Annual energy consumption			kWh	245	343	523

2-5 TECHNICAL SPECIFICATIONS				FTXS20DVMW		FTXS25DVMW		FTXS35DVMW	
Casing	Colour			White					
Dimensions	Packing	Height	mm	340		340		340	
		Width	mm	855		855		855	
		Depth	mm	265		265		265	
	Unit	Height	mm	283		283		283	
		Width	mm	800		800		800	
		Depth	mm	195		195		195	
Weight	Machine Weight		kg	9.0		9.0		9.0	
	Gross Weight		kg	12.0		12.0		12.0	
Heat Exchanger	Dimensions	Length	mm	610		610		610	
		Nr of Rows		2		2		2	
		Fin Pitch	mm	1.40		1.40		1.40	
		Nr of Stages		12		12		12	
	Tube type		Hi-XA (7)						
	Fin	Type	ML fin (Multi louver)						
Fan	Type			Cross flow fan					
Air Flow Rate	Cooling	High	m³/min	8.7		8.7		8.9	
		Medium	m³/min	6.7		6.7		6.9	
		Low	m³/min	4.7		4.7		4.8	
		Silent Operation	m³/min	3.9		3.9		4.0	
	Heating	High	m³/min	9.4		9.4		9.7	
		Medium	m³/min	7.6		7.6		7.9	
		Low	m³/min	5.8		5.8		6.0	
		Silent Operation	m³/min	5.0		5.0		5.2	
Fan	Motor	Quantity		1		1		1	
		Model		KFD-28040-8B		KFD-280-40-8B		KFD-280-40-8B	
		Number of steps		5 steps, silent and auto					
Motor	Speed (cooling)	High	rpm	1290		1290		1310	
		Medium	rpm	1050		1050		1070	
		Low	rpm	810		810		830	
		Silent Operation	rpm	710		710		730	
	Speed (heating)	High	rpm	1320		1320		1360	
		Medium	rpm	1120		1120		1150	
		Low	rpm	920		920		940	
		Silent Operation	rpm	820		820		840	
Fan	Motor	Output (high)	W	40		40		40	
Cooling	Sound Power	High	dBA	56.0		56.0		57.0	
	Sound Pressure	High	dBA	38.0		38.0		39.0	
		Low	dBA	25.0		25.0		26.0	
		Silent Operation	dBA	22.0		22.0		23.0	
Heating	Sound Power	High	dBA	56.0		56.0		57.0	
	Sound Pressure	High	dBA	38.0		38.0		39.0	
		Low	dBA	28.0		28.0		29.0	
		Silent Operation	dBA	25.0		25.0		26.0	
Refrigerant	Type			R-410A					
Piping connections	Liquid (OD)	Diameter (OD)	mm	6.4		6.4		6.4	
	Gas	Diameter (OD)	mm	9.5		9.5		9.5	
	Drain	Diameter (OD)	mm	18		18		18	
	Heat Insulation			Both liquid and gas pipes					
Air Filter				Removable/washable/Mildew proof					
Air direction control				Left, right, up and downwards					
Temperature control				Microcomputer control					

2-5 TECHNICAL SPECIFICATIONS		FTXS20DVMW	FTXS25DVMW	FTXS35DVMW
Standard Accessories	Item	Titanium apatite photocatalytic air purification filter		
	Quantity	2	2	2
	Item	Operation manual		
	Quantity	1	1	1
	Item	Installation manual		
	Quantity	1	1	1
	Item	Infrared remote control		
	Quantity	1	1	1
	Item	Batteries		
	Quantity	2	2	2
	Item	Remote control holder		
	Quantity	1	1	1
	Item	Indoor unit fixing screws		
	Quantity	2	2	2
	Item	Mounting plate		
	Quantity	1	1	1

2-6 ELECTRICAL SPECIFICATIONS				FTXS20DVMW		FTXS25DVMW		FTXS35DVMW	
Power Supply	Name			VM		VM		VM	
	Phase			1		1		1	
	Frequency		Hz	50/60					
	Voltage		V	220-240/220-230					
Current	Nominal running current (RLA)	Cooling	A	0.16		0.16		0.18	
		Heating	A	0.16		0.16		0.18	
Wiring connections	For Power Supply	Quantity		3		3		3	
		Remark		4 for interunit wiring (included earth wiring)					
Voltage range	Minimum			-10%					
	Maximum			+10%					
Power Supply Intake				Outdoor unit only					

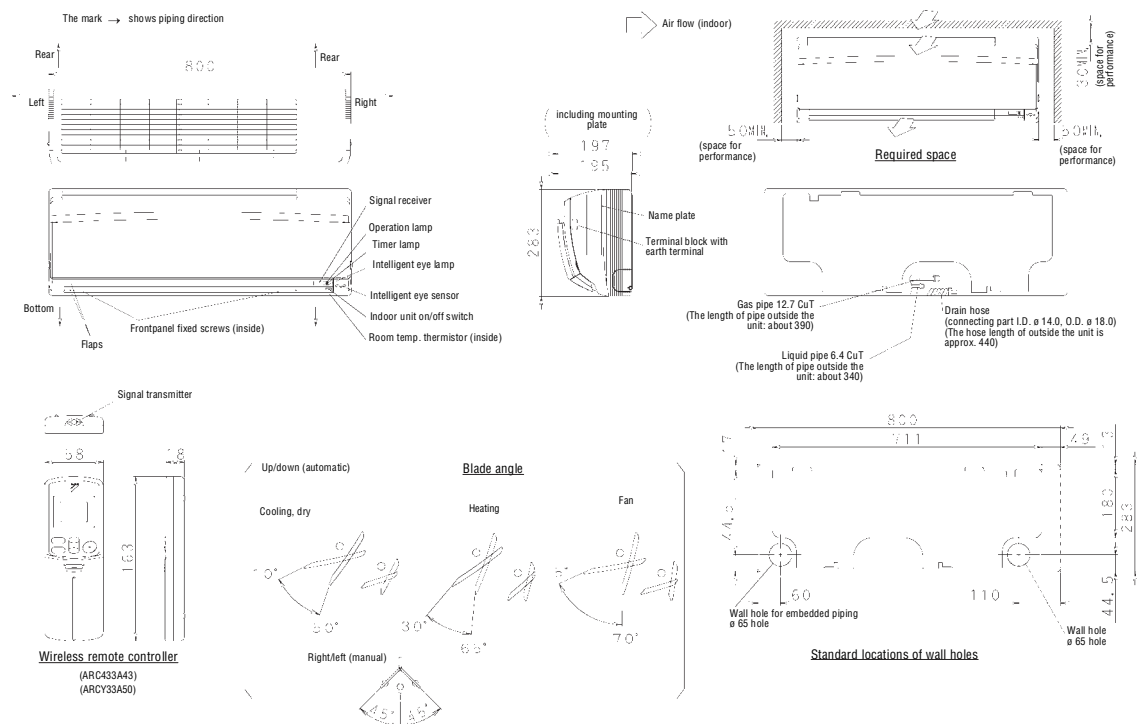
NOTES

- 1 Sound values are measured in an anechoic room.
- 2 Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to sound level drawings of this chapter.
- 3 The sound power level is an absolute value indicating the power which a sound source generates.

3 Dimensional drawing & centre of gravity

3 - 1 Dimensional drawing

FTK/XS20,25,35DVMW/L



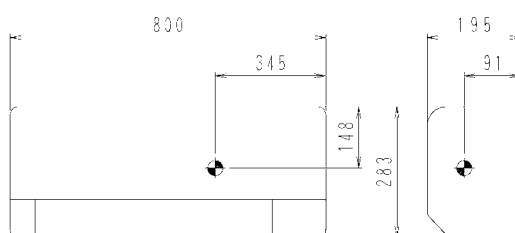
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3 Dimensional drawing & centre of gravity

3 - 2 Centre of gravity

3

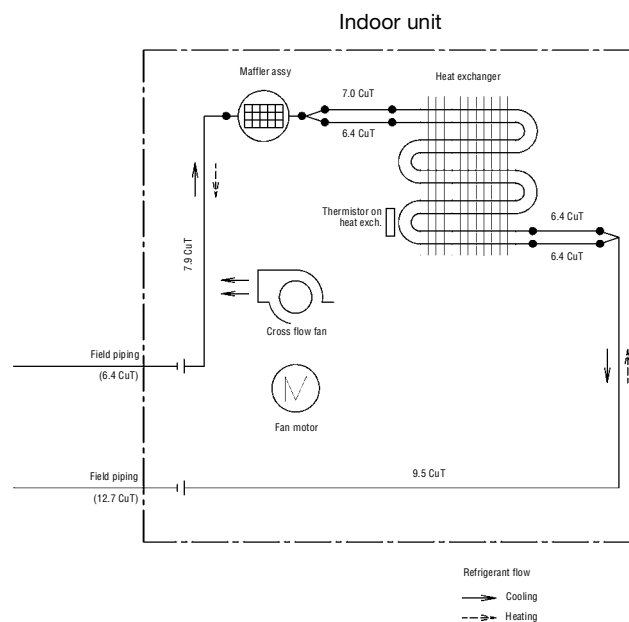
FTK/XS20,25,35DVMW/L



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4 Piping diagram

FTK/XS20,25,35DVMW/L

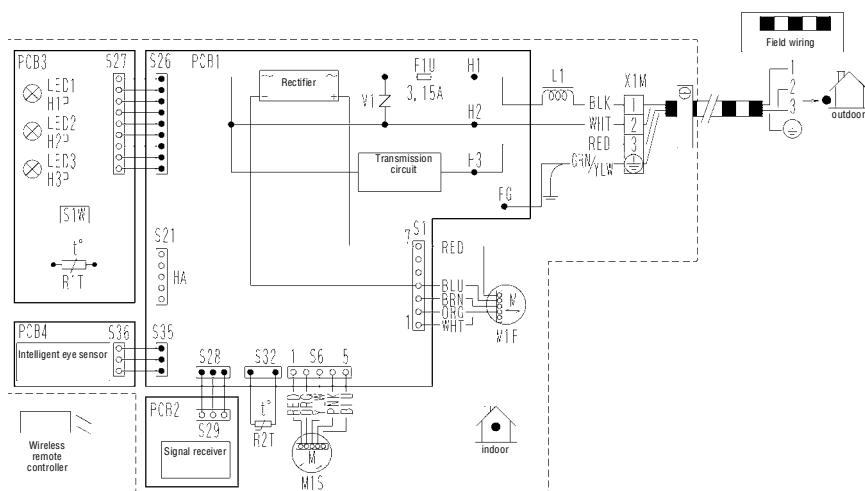


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5 Wiring diagram

5

FTK/XS20,25,35DVMW/L



LEGEND

⊕	Protective earth
FG	Frame ground
F1U	Fuse
H1P~H3P	Pilot lamp
L1	Coil
M1F	Fan motor
M1S	Swing motor
PCB1~PCB4	Printed circuit board
R1T, R2T	Thermistor
S1~S38	Connector
S1W	Operation switch
X1M	Terminal strip

NOTES

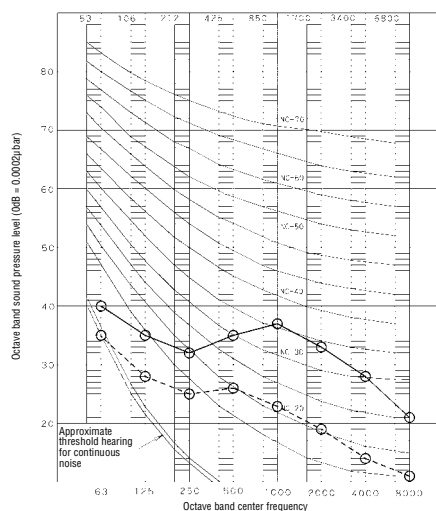
- 1 Size: length 70 x width 120.
- 2 Refer to purchasing specification AS303002, unless otherwise specified.
- 3 This drawing was drawn on CAD system.
- 4 Caution: Note that operation will restart automatically if the main power supply is turned off and then back on again.

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6 Sound data

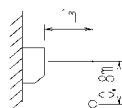
6 - 1 Sound pressure spectrum

FTKS20,25DVMW/L



NOTES

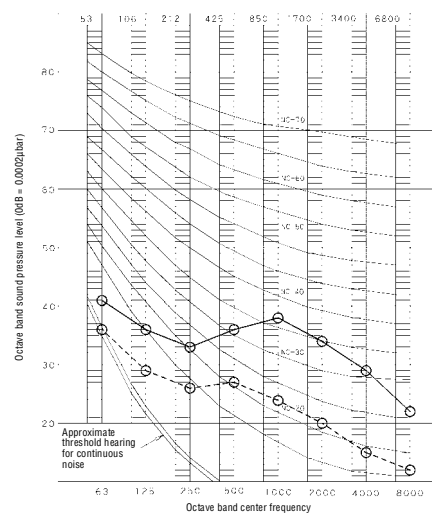
- 1 Measurement was taken in an anechoic room.
- 2 The operation noise measuring method is in accordance with JISC9612.
- 3 Operating conditions:
Power source = 230 V, 50 Hz
o-----o H (A = 38) and o---o L (A = 25)
- 4 Operation noise differs with operation and ambient conditions.



Location of microphone

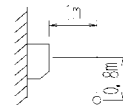
4D048244

FTKS35DVMW/L



NOTES

- 1 Measurement was taken in an anechoic room.
- 2 The operation noise measuring method is in accordance with JISC9612.
- 3 Operating conditions:
Power source = 230/220 V, 50/60 Hz
o-----o H (A = 39) and o---o L (A = 26)
- 4 Operation noise differs with operation and ambient conditions.



Location of microphone

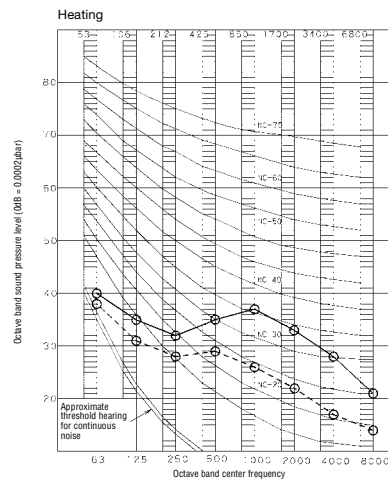
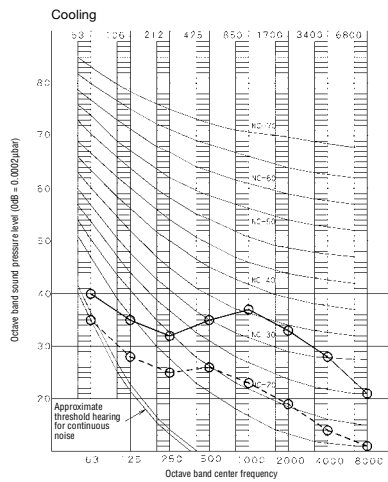
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6 Sound data

6 - 1 Sound pressure spectrum

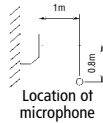
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FTXS20,25D



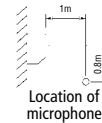
NOTES

- 1 Measurement was taken in an anechoic room.
- 2 The operation noise measuring method is in accordance with JISC9612.
- 3 Operating conditions:
Power source = 230 V, 50 Hz
o-----o H (A = 39), o-----o L (A = 26)
- 4 Operation noise differs with operation and ambient conditions.



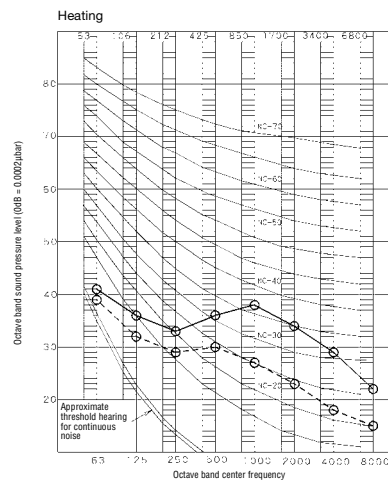
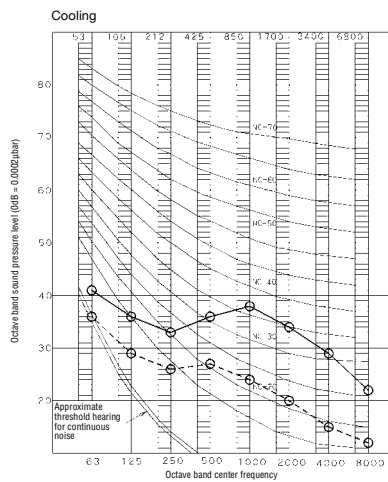
NOTES

- 1 Measurement was taken in an anechoic room.
- 2 The operation noise measuring method is in accordance with JISC9612.
- 3 Operating conditions:
Power source = 230 V, 50 Hz
o-----o H (A = 39), o-----o L (A = 29)
- 4 Operation noise differs with operation and ambient conditions.



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FTXS35D



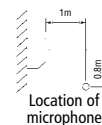
NOTES

- 1 Measurement was taken in an anechoic room.
- 2 The operation noise measuring method is in accordance with JISC9612.
- 3 Operating conditions:
Power source = 230 V, 50 Hz
o-----o H (A = 39), o-----o L (A = 26)
- 4 Operation noise differs with operation and ambient conditions.



NOTES

- 1 Measurement was taken in an anechoic room.
- 2 The operation noise measuring method is in accordance with JISC9612.
- 3 Operating conditions:
Power source = 230 V, 50 Hz
o-----o H (A = 39), o-----o L (A = 29)
- 4 Operation noise differs with operation and ambient conditions.



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