

Floor standing unit
Air Conditioning
Technical Data
FVXTM-B



FVXTM30B2V1B

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FVXTM-B

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1 Features



















1 - 1 FVXTM-B

Design floor standing unit for optimal heating comfort down to -30°C thanks to unique heating features

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- › Guaranteed heating operation at low ambient temperature, down to -30°C
- › Seasonal efficiency values: full range A++ in cooling and heating
- › Heat boost quickly heats up your home when starting up your air conditioner. Set temperature is reached 14% faster than a regular air conditioner (pair only)
- › The floor warming function optimises convection by distributing hot air from the bottom of the unit
- › The heat plus function provides 30 minutes cosy heating by simulating radiant heat
- › Using electrons to trigger chemical reactions with air borne particles, the Flash Streamer breaks down allergens such as pollen and fungal allergens and removes bothersome odours providing a better, cleaner air
- › Excellent contemporary design
- › Dual air discharge flow for better air distribution
- › Onecta app: control your indoor from any location with an app, via your local network or internet.
- › Quiet operation: down to 19dBA sound pressure level



- | | | | | | | | | |
|---|---|--|---|--|--|--|--|--|
| 
Heat plus | 
-30°
Guaranteed operation down to -30°C | 
Floor warming | 
Heat boost | 
Onecta app | 
Econo mode | 
Energy saving during standby mode | 
Night set mode | 
Fan only |
| 
Draught prevention | 
Powerful mode | 
Auto cooling-heating changeover | 
Indoor unit silent operation | 
Outdoor unit silent operation | 
Vertical auto swing | 
Auto fan speed | 
Fan speed steps (5 steps) | 
Dry programme |

1 Features

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Flash Streamer



Practically inaudible



Titanium apatite deodorising filter



Air filter



Weekly timer



24 hour timer



Infrared remote control



Wired remote control



Centralised control



Auto-restart

2 Specifications

2 - 1 Specifications

Technical specifications				FVXTM30B	
Power input	Cooling	Nom.	kW	0.02	
	Heating	Nom.	kW	0.03	
Casing	Colour			White	
Dimensions	Unit	Height	mm	600	
		Width	mm	750	
		Depth	mm	238	
	Packed unit	Height	mm	765	
		Width	mm	885	
		Depth	mm	330	
Weight	Unit			kg	
	Packed unit			kg	
Packing	Weight			kg	
Heat exchanger	Length			mm	
	Rows	Quantity			2
		Fin pitch			mm
	Face area			m ²	
	Stages	Quantity			22
		Passes	Quantity		
	Tube type			ø5 Hi-XB	
	Tube material			Copper	
	Tube diameter			mm	
	Fin	Type			ML fin (Multi louver)
		Quantity			1
	Heat exchanger 2	Length			mm
		Rows	Quantity		
Fin pitch			mm		
Face area			m ²		
Stages		Quantity			22
		Type			Turbo fan
Fan	Air flow rate	Cooling	High	m ³ /min	
			Medium	m ³ /min	
	Low	m ³ /min	cfm		
		Silent operation	m ³ /min		
	Silent operation	High	m ³ /min		
		Medium	m ³ /min		
	Low	m ³ /min	cfm		
		Silent operation	m ³ /min		
	Fan	Air flow rate	Cooling	High	m ³ /min
				Medium	m ³ /min
Low		m ³ /min	cfm		
		Silent operation	m ³ /min		
Silent operation		High	m ³ /min		
		Medium	m ³ /min		
Low		m ³ /min	cfm		
		Silent operation	m ³ /min		
Fan motor		Model			ZWA138L50A
		Type			DC Motor
	Speed	Steps			5 + silent, + auto
		Cooling	High	rpm	
	Medium		rpm		
	Low		rpm		
	Silent operation		rpm		
	Heating	High	rpm		
		Medium	rpm		
		Low	rpm		
Silent operation		rpm			
Sound power level	Cooling			dBA	
	Heating			dBA	
Sound pressure level	Cooling	High	dBA		
		Medium	dBA		
		Low	dBA		
		Silent operation	dBA		
	Heating	High	dBA		
		Medium	dBA		
		Low	dBA		
		Silent operation		dBA	
		Type			R-32
		GWP			675
Piping connections	Liquid	OD	mm		
		Gas	OD		
	Drain			VP20 (I.D. 20/O.D. 26)	
	Heat insulation			Both liquid and gas pipes	

2 Specifications

2 - 1 Specifications

Technical specifications			FVXTM30B
Air filter	Type		Removable / washable
Air filter	Quantity	pc	1
Air direction control			Right, Left, Horizontal, Downward
Temperature control			Microcomputer control
Control systems	Infrared remote control		ARC466A90
	Wired remote control		BRC073A1

Standard accessories: Installation manual;Quantity: 1;

Standard accessories: Wireless remote control;Quantity: 1;

Standard accessories: AAA dry-cell batteries;Quantity: 2;

Standard accessories: General safety precautions;Quantity: 1;

Standard accessories: Operation manual;Quantity: 1;

Standard accessories: Titanium apatite deodorizing filter;Quantity: 2;

Standard accessories: Remote control holder;Quantity: 1;

Standard accessories: Screw bag;Quantity: 1;

Electrical specifications			FVXTM30B
Power supply	Name		V1
	Phase		1~
	Frequency	Hz	50
	Voltage	V	220-240
Wiring connections -50Hz	For power supply	Quantity	3
		Remark	3 for power supply, 4 for interunit wiring (Earth wire included)
Current	Nominal running current (RLA)	Cooling A	0.14

Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m |

Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m |

See separate drawing for electrical data

3 Options

3 - 1 Options

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FVXTM-B

Option kit	Product name	Remark	Remark	Remark	Remark	Application models		Class	Casting	Feature
						New Perfera	New floor stand			
Wired remote control	BRC078A1	(2)(3)	(2)(3)	(2)(3)	(2)(3)	CT1PMA001B	15	RS2 BMS	A-MID	
Extension cord for wired remote control (1.3m)	BRCV901A3					FT1PMA001B	20	RS2 BMS	A-MID	
Extension cord for wired remote control (1.8m)	BRCV991A8					FT1PMA001B	35	RS2 BMS	A-MID	
Intelligent Hubset Controller	DCS301A51	(2)(3)	(2)(3)	(2)(3)	(2)(3)	FT1PMA001B	40	RS2 BMS	A-MID	
Wiring adaptor (normal open contact - normal open pulse contacts)	KRP413BB15	(2)(3)(5)	(2)(3)(5)	(2)(3)(5)	(2)(3)(5)	FT1PMA001B	60	RS2 BMS	A-MID	DIC
Wiring adaptor (normal open contact - normal open pulse contacts)	KRP413BB15	(2)(3)	(2)(3)	(2)(3)	(2)(3)	FT1PMA001B	71	RS2 BMS	A-MID	DIC
Interface adaptor for DRI-NET	KRP413BB25	(2)(3)	(2)(3)	(2)(3)	(2)(3)	FT1PMA001B	20	RS2 BMS	A-MID	
Central remote control	DCS302CA1	(2)(3)	(2)(3)	(2)(3)	(2)(3)	FT1PMA001B	35	RS2 BMS	A-MID	
Unified ON/OFF controller	DCS301BA15	(2)(3)	(2)(3)	(2)(3)	(2)(3)	FT1PMA001B	20	RS2 BMS	A-MID	
Schedule timer	DEF101BA61	(2)(3)	(2)(3)	(2)(3)	(2)(3)	FT1PMA001B	20	RS2 BMS	A-MID	
Intelligent Touch Manager	DCS402BA1	(2)(3)	(2)(3)	(2)(3)	(2)(3)	FT1PMA001B	20	RS2 BMS	A-MID	
Modbus interface	ENR82CA71	(2)(3)	(2)(3)	(2)(3)	(2)(3)	FT1PMA001B	20	RS2 BMS	A-MID	
Modbus gateway	RTD-RA	(2)(3)	(2)(3)	(2)(3)	(2)(3)	FT1PMA001B	20	RS2 BMS	A-MID	
KNX interface	KLIC-DD	(2)(3)	(2)(3)	(2)(3)	(2)(3)	FT1PMA001B	20	RS2 BMS	A-MID	
Titanium aquatic deodorising filter without frame	KAF197A46	(1)	(1)	(1)	(1)	FT1PMA001B	20	RS2 BMS	A-MID	
Silver particle filter (3g 5in) with frame	KAF197A41	(1)	(1)	(1)	(1)	FT1PMA001B	20	RS2 BMS	A-MID	
Conversion wire harness	EKRS21					FT1PMA001B	20	RS2 BMS	A-MID	

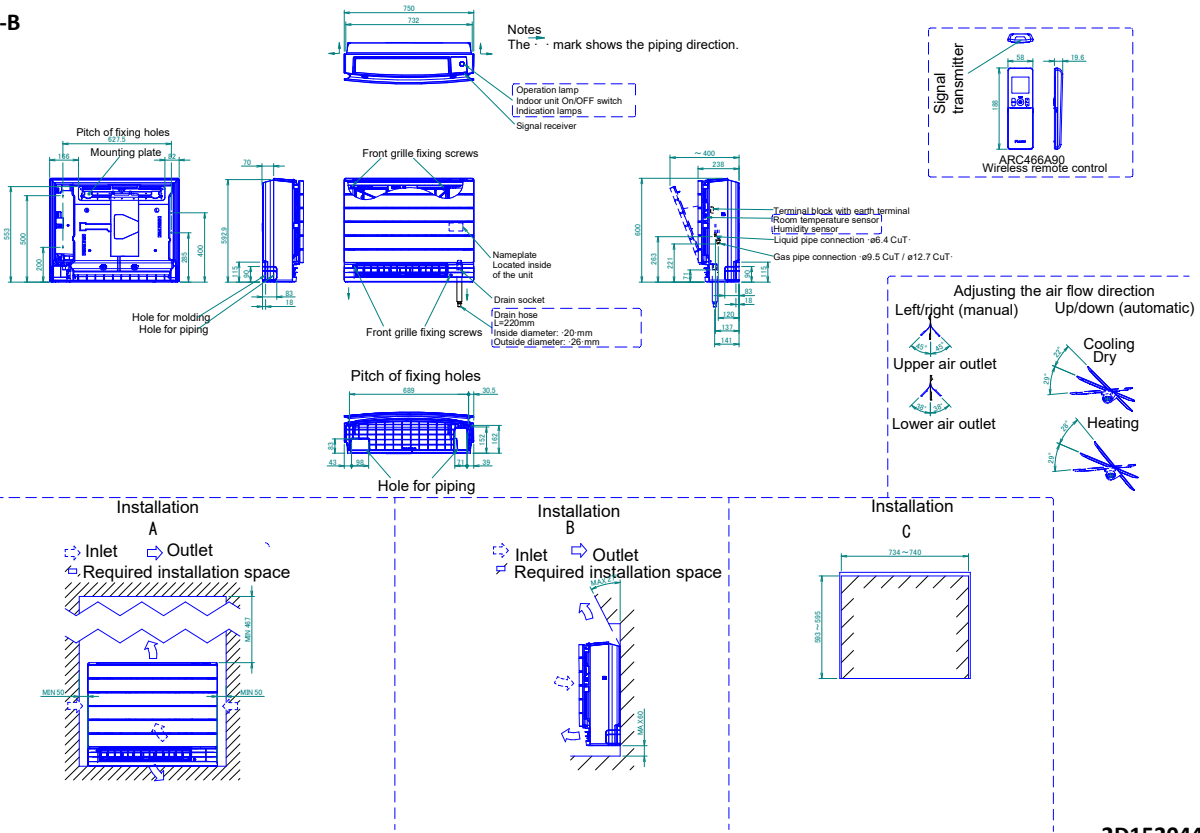
- Notes
- Standard accessory
 - This option features a(n) -S21- connector. To connect this option to the indoor unit, therefore conversion wire harness -EKRS21- is required.
 - This option cannot operate together with the wireless LAN functionality that is a standard feature of the indoor unit.
When connecting this option to the indoor unit, turn off the indoor unit's wireless LAN functionality.
 - Obsolete option.
 - Production of this option finished, replaced by new option KRP413BB15.

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4 Dimensional drawings

4 - 1 Dimensional Drawings

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FVXM-B
FVXTM-B



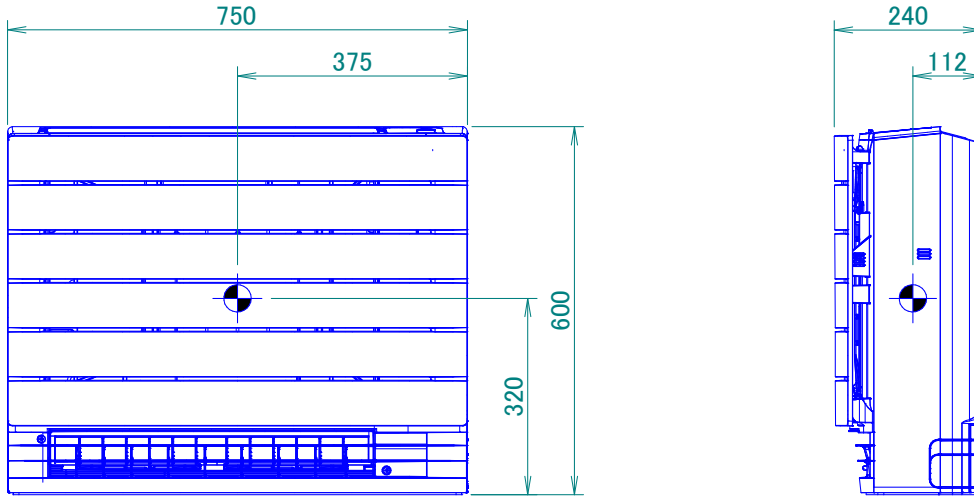
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5 Centre of gravity

5 - 1 Centre of Gravity

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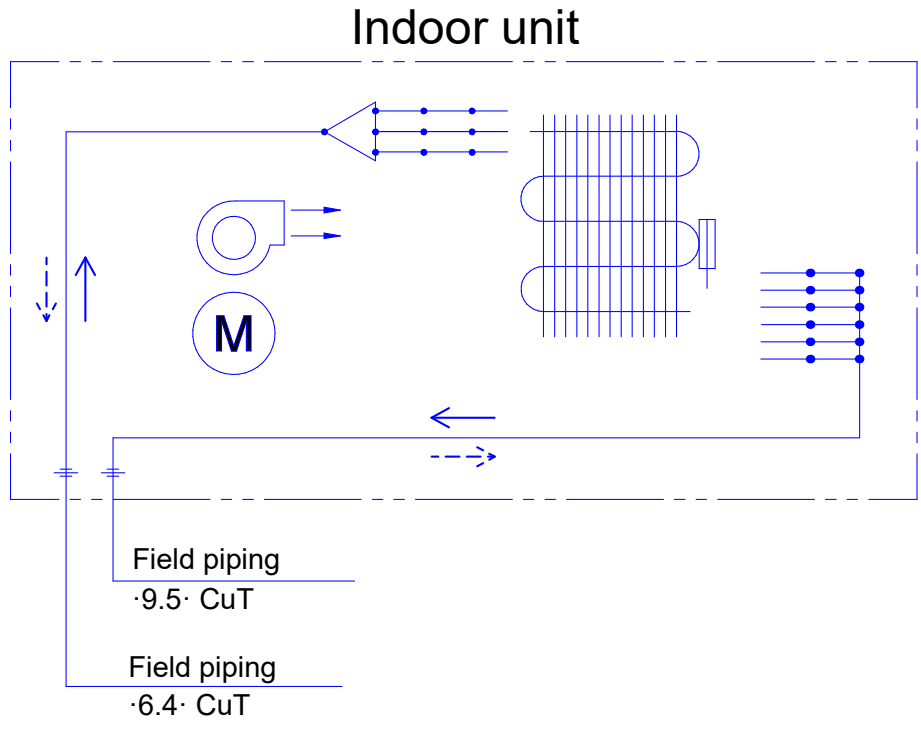


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6 Piping diagrams

6 - 1 Piping Diagrams

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FVXM25B
FVXM35B
FVXTM-B



Legend

- Fan motor
- Thermistor
- Turbo fan
- Distributor
- Heat exchanger
- Screw connection

Refrigerant flow

- Cooling
- Heating

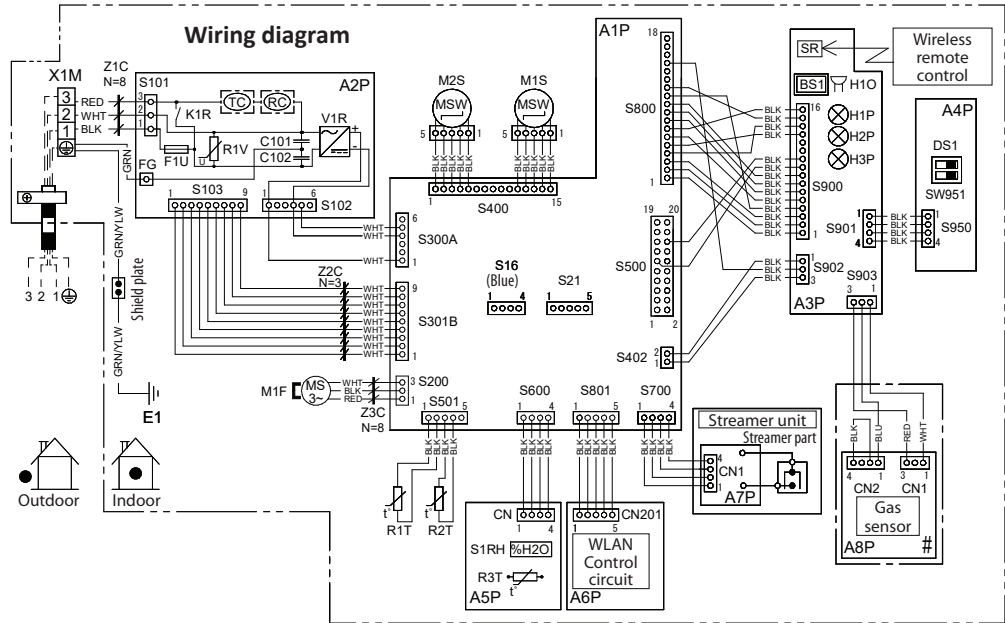
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7 Wiring diagrams

7 - 1 Wiring Diagrams - Three Phase

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Wire colors
 BLK : Black
 YLW : Yellow
 RED : Red
 GRN : Green
 WHT : White
 GRN/YLW : Green/yellow

Field wiring :

CAUTION

When the power turns back on after a power break, the previously selected mode will be resumed.

NOTE

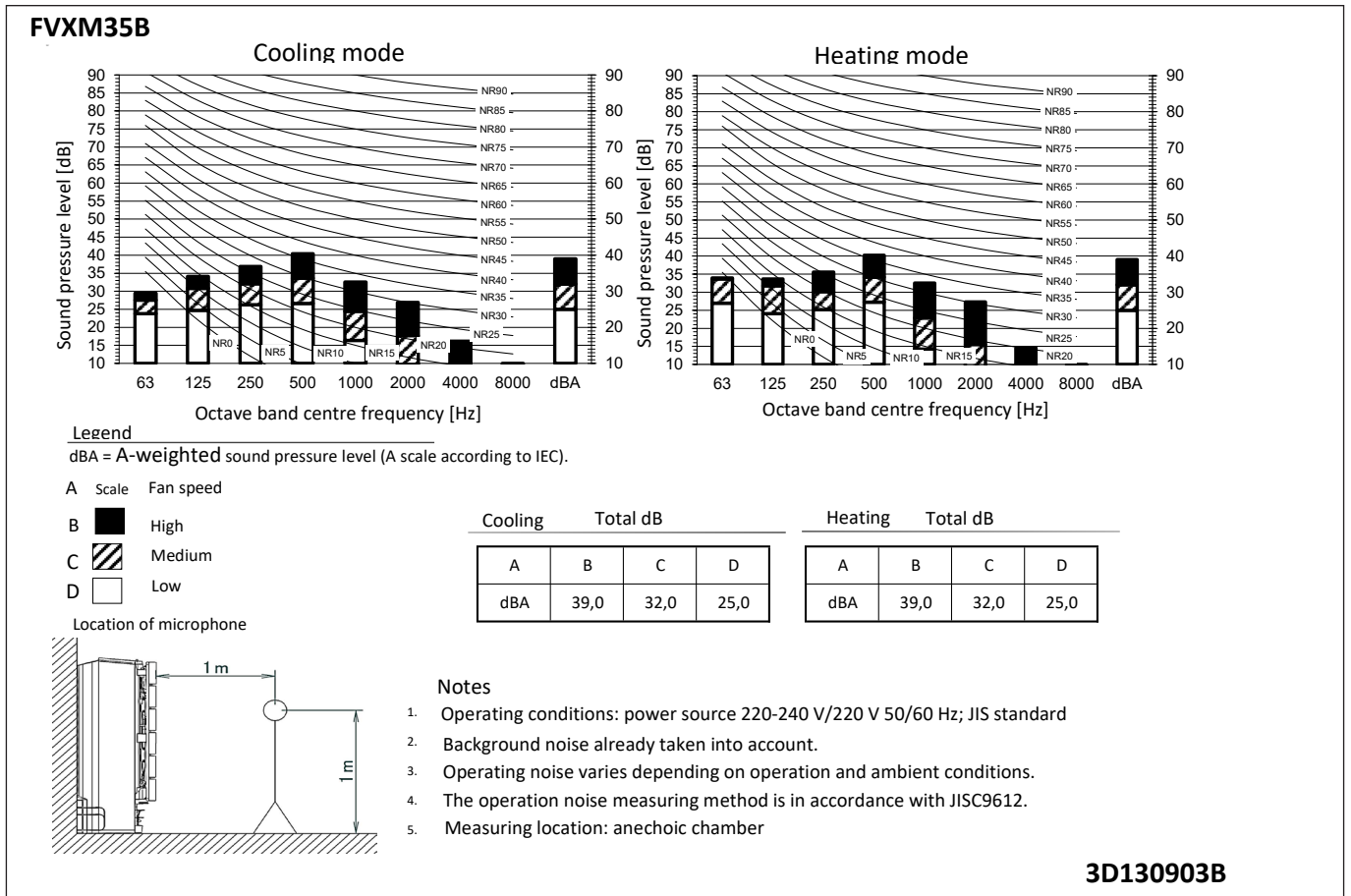
Applicable for units with refrigerant leakage sensor only

CN, CN1, CN2, CN201	Connector	S1RH	Humidity sensor
S16~950, FG	Terminal block	Z1~3C	Ferrite core
X1M	Terminal block	E1	Heat exchanger
F1U	Fuse (T, 3.15A, 250V)	K1R	Magnetic relay
M1F	Motor (indoor fan)	V1R	Rectifier
M1S	Motor (swing flap)	C101, C102	Capacitor
M2S	Motor (damper)	TC	Transmitter circuit
A1~8P	Printed circuit	RC	Receiver circuit
R1~3T	Thermistor	⊕	Protective earth
BS1	Button switch	R1V	Varistor
H1~3P	Pilot lamp	DS1	Dip switch
SR	Signal receiver		
H1O	Buzzer		

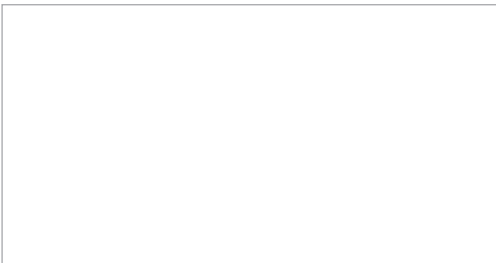
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8 Sound data

8 - 1 Sound Pressure Spectrum



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