

Floor standing unit Air Conditioning Technical Data FVXM-B



FVXM25B2V1B FVXM35B2V1B FVXM50B2V1B



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FVXM-B

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Features

FVXM-B 1 - 1

Design floor standing unit for optimal heating comfort thanks to unique heating features

- 1
- > Seasonal efficiency values up to A++ in heating, resulting in low running costs compared to gas boilers and electric heating
 - > Excellent contemporary design
 - > Combinable with up to 5 port multi outdoor units
 - > 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
- > Dual air discharge flow for better air distribution
- > 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
- > Quiet operation: down to 19dBA sound pressure level
- > Onecta: control your indoor from any location with an app, via your local network or internet

















Night set

mode



Fan only



Draught

prevention

Heat plus

Floor warming

Heat boost

Onecta app

Econo mode

Energy saving during standby mode

swing







Powerful mode

R



Auto cooling-Indoor heating unit silent changeover



Outdoor unit silent operation operation



Night quiet Vertical auto mode

Auto fan speed

Fan speed steps

Dry programme



Features

1 - 1 FVXM-B



















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 Self diagnosis

Multi model application





Specifications2 - 1 Specifications

Technical specif		N		1144	FVXM25B	FVXM35B	FVXM50B
wer input	Cooling	Nom.		kW	0.03	0.02	0.03
•	Heating	Nom.		kW	0.02	M/L:	0.03
asing	Colour	II-:-ba				White	
imensions	Unit	Height		mm		600	
		Width		mm		750	
	Packed unit	Depth		mm		238 765	
	Packeu uiiit	Width		mm		885	
				mm			
N-:-b4	II-:4	Depth		mm		330 17	
Veight	Unit			kg			
)	Packed unit			kg		21.5 4.5	
Packing	Weight			kg			
Heat exchanger	Length	0		mm		540 2	
	Rows	Quantity				1.2	
	Fin pitch			mm m²		0.226	
	Face area	Ouantitu				22	
	Stages	Quantity				6	
	Passes	Quantity					
	Tube type					ø5 Hi-XB	
	Tube materia			mm		Copper 5	
	Tube diamete			mm			
	Fin	Type Treatment				Multi slit fin	
Jost ovehanger?	Ouzatit	irealment				Hydrophilic 1	
leat exchanger 2	Quantity			mm		1 400	
	Length	Ouzatit		mm		490	
	Rows	Quantity				1.2	
	Fin pitch			mm			
	Face area	0		m ²		0.206	
	Stages	Quantity				22 Turks 6	
an	Type					Turbo fan	
	Quantity	C I'	10.1	34	0.7	1	11.6
	Air flow rate	Cooling	High	m³/min	8.7	9.2	11.6
			Markan	cfm	307	325	410
			Medium	m³/min		7	9
				cfm		237	307
	A1. 0 :	C I'	Low	m³/min		4.9	6.6
an	Air flow rate	Cooling	Low	cfm		173	233
			Silent operation	m³/min		4.1	5.4
		11	115.1	cfm		145	191
		Heating	High	m³/min	9.2	9.8	12.8
			Madina	cfm	325	346	452
			Medium	m³/min		7.2	10
			1	cfm		254	353
			Low	m³/min		5.6	8.4
			Cilant	cfm		198	297
			Silent operation	m³/min		4.1	5.9
	0			cfm		145	208
an motor	Quantity					7,004,201,504	
	Model					ZWA138L50A	
	Type	Ctor-				DC Motor	
	Speed	Steps	Uiah	VD 05-	(70	5 + silent, + auto	070
		Cooling	High	rpm	670	710	870
			Medium	rpm		550	690
			Low Silent eneration	rpm		410	530
		Hantin -	Silent operation	rpm	710	350	440
		Heating	High	rpm	710	750	950
			Medium	rpm		570	760
			Low Cilent eneration	rpm		460	650
	0	Datad	Silent operation	rpm		360	480
aund namer le mi	Output	Rated		W	5 2	37	.4
ound power level	Cooling			dBA	52	53	61
	Heating	10° - E		dBA	52	53	62
ound pressure level	Cooling	High		dBA	38	39	44
		Medium		dBA		32	38
		Low		dBA		25	31
		Silent opera	ntion	dBA		20	27
	Heating	High		dBA	38	39	46
		Medium		dBA		32	40
		Low		dBA		25	35
Refrigerant	Туре	Silent opera	ntion	dBA		19 R-32	29



2 Specifications

2 - 1 Specifications

Technical specif	ications			FVXM25B	FVXM35B	FVXM50B					
Piping connections	Liquid	OD	mm		6.4						
Piping connections	Gas	OD	mm	9	9.5	12.7					
	Drain				VP20 (I.D. 20/0.D. 26)						
	Heat insula	tion		Both liquid and gas pipes							
Air filter	Type			Removable / washable							
	Quantity		рс	1							
Air direction control					Right, Left, Horizontal, Downward						
Temperature control					Microcomputer control						
Control systems	Infrared rer	mote control			ARC466A90						
	Wired remo	ote control		BRC073A1							

Standard accessories: FVXM25B2V1B;Quantity: 1;

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; Standard accessories: FVXM35B2V1B;Quantity: 1; Standard accessories: FVXM50B2V1B;Quantity: 1;

Electrical specif	ications			FVXM25B	FVXM35B	FVXM50B						
Power supply	Name				V1							
	Phase				1~							
	Frequency		Hz		50							
	Voltage		V	220-240								
Wiring connections	For power supply	Quantity										
- 50Hz		Remark		3 for power supply, 4 for interunit wiring (Earth wire included)								
Current	Nominal running current	Cooling	A	0	.2	0.4						

Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: $5m \mid Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: <math>5m \mid Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: <math>5m \mid Heating: indoor temp. 20°CDB; outdoor t$



Options 3

3 - 1 Options

CVXM-B FVXM-B FVXTM-B

									A-MID New Perfera								New Perfera				New Perfera														New Floor stand	OH4 midL imp.				E	imu	ıra 3	ı			OHS	Perfera	CM5 Emura 3	CH5 New/borstanding				2	Zeta					OMS	ZETA
						Factory				DIC				T	R2:DICz	73.0173	DIC2		R2:DIC2 R5:DTAS	DICZ	DICZ	DICz					DIC2	720				Ş	3	DIC	DICZ		A2:DIC2	A5:DTAS			DIC2		A2:DIC2	A3.01A3		DICZ														
						Casing	R32 BMS R32 BMS	R32 BMS	R32 BMS	R32 BML	R32 BML	R32 BMS	R32 BMS	R32 BMS	R32 BMS R32 BMS	R32 BMS R32 BMS	R32 BML R32 BML	R32 BML	R32 BMS	R32 BML	Roor Stand Roor Stand Roor Stand Roor Stand	R32 BMS R32 BML	Emura 3	Emura 3	Emura 3	Emura 3	Emura 3	Emura 3	Emura 3	Emura 3	Emura 3 Emura 3	Emura 3 R32 BMS	R32 BML	Emura 3	Roor stand																									
						Class	21 22	53 55	8 2	28 8	3 12	8 8	188	12 8	8 8	8 8	8 8	12 8	12 12	8 8	8888	90 9	8	88	52 53	3 23 2	8 8	3 8	8 8	42	88	88	8 8	8 8	8	12	2 52	32	8 8	8 8	17	8	35 25	3 8	30	8														
						licable models								8						1 1	B, CVXMZXA3V189, CVXMZXX8ZV18 , FVXMZSA3V189, FVXMZS8ZV18 , FVXMSSA3V189, FVXMSS8ZV18 , FVXMSXA3V189, FVXMSS8ZV18		9/49	159	WA SERVICE	989	888	889	8//8	389	BW9 S9	68			18	8						18	91	18																
						Appl	CTXM15N2V1B FTXM20N2V1B	FTXM25N2V1B FTXM35N2V1B	FTXM42N2V1B	FTXM50NZV18	FIXM71N2V1B	ATMAS ONZV18	ATXM35NZV1B	CTXM15R2V1B / CTXM15R5V1	FTXMZ0RZV1B / FTXMZ0R5V1B FTXMZ5RZV1B / FTXMZ5R5V1B		FTXM50R2V1B FTXM60R2V1B	FTXM71R2V1B	ADM25R2V1B / ADM25R5V1B	ATXM5 0R2 V18	CVXM2XAZV1B, CVXM2XAZV1B, FVXM2SAZV1B, FVXM2SAZV1B, FVXM3SAZV1B, FVXM5SAZV1B, FVXM5XAZV1B, FVXM5XAZV1B,	FTXTM30R2V1B FTXTM40R2V1B	VETXI20	FTX12042V1BS / FTX12042V1BS9 FTX12042V1BB / FTX12042V1BB9	FTX/25A2V1BW/FTX/25A2V1	FTX125A2V188 / FTX125A2V1889		FTX135AZV1BB / FTX135AZV1BB9	FTXL42A2V1BW / FTXL42A2V1F	FTX142A2V18B / FTX J42A2V1	FTXJSQAZV1BW/FTXJSQAZV1BW9 FTXJSQAZV1BS/FTXJSQAZV1BS9	FTXJ50AZV188 / FTXJ50AZV18 FTXTM30SZV18	FTXTM40S2V18	FTXTJ30A2V18B	FVXTM30A3V1B, FVXTM30B2V1B	/CDXM15	FTXM2SA2V18 / FTXM2S A6V1E	FTXM35A2V1B / FTXM35A6V1B	FTXM42A2V1B / FTXM42A6V1B	FIXM60A.ZV18 / FIXM50 ASV1 B		WZV1B	ADM25/2V1B / ADM25/5V1B	ADMSOAZV1B / ADMSOASV	FTXTM304ZV1B	FTXTM404ZV1B														
	Product name	Remark New Perfera	Remark New floor stans	Remark Emura 3	Remark Zeta S		CTXM15N2V18 FTXM20N2V18	FDM25N2V1B	FTXM42N2V1B	FTXMS0NZV18	FTXM71N2V1B	ADM20NZV18	ADM3 SAZV18	CDM15R2V1B / CDM15R5V1	582V1B/		FTXM50R2V1B	FTXM71R2V1B	ADM25R2V1B / ATXM25R5V1B	A DOMS OPZ V18	CVXM2 FVXM3 FVXM5	FTXTM30R2V1B		FEXER	FTXL25A2V1BW/FTXL25A2V1	FIXES		FTX135AZV1BB / FTX135AZV1	FTXL42A2V1BW/FTXJ42A2V1E	FTX142AZV1BB / FTX J42AZV1		FTXISQAZV188 / FTXJSQAZV18 FTXTM30SZV18	FTXTM40S2V18	FTXT33M2V188	FVXTM30A3V1B, FVXTM30B2V	/CDXM15	FTXM2SA2V1B / FTXM2SA6V1E	FDM35A2V1B / FDM35A5V1B	FTXM42A2V1B / FTXM42A6V1B	FTXM60A2V1B		WZV1B	5A2V1B	ADMS 042V 18 / ADMS0 45V	FTXTM30AZV18	FTXTM404ZV1B														
	BRC073A1						2 4	~ ~	/ ~	V .	v v	< ATXM2.0NZV1B	< ADMS BAZV18	< CTXM15R2V1B / CTXM15R5V1	< FTXMZSRZV1B/	FTXM35R2V1B / FTXM42R2V1B /	FTXMSQR2V1B	· v ·	ADM25R2V1B / ADM25R5V1B ADM35R2V1B / ADM35R5V1B	/ ~	CVXM2M2M2V1B, CVXM2 PVXM2SA2V1B, FVXM2 PVXM3SA2V1B, FVXM3 FVXMSQA2V1B, FVXM3	< FTXTMS >	< FTXI20A2V1BW/	FTXI20AZV188 / FTXI20A	FTX/25A2V18W/FTX/25	FIXES		FTXI35AZV18B / FTXI35AZV1	C FTXI42AZV1BW	< FTXI42A2V188		FTXI50AZV18B / FTXI50AZV18 FTXTM30SZV18	< FTXTM40S2V1B	FTXT30A2V188	~	< CDM15A2V1B / CDM16	/ /	~	<i>y</i> ,	, ,	< FTXM71A2V1B	< ADM20/2V18	< ADM25/2V1B	< ADMS 042V1B / ADMS 0.45V	Y HXI	< FTXTM40AZV1B														
	BRC073A1 BRCW901A03	New Perfera	New floor stans	Emura 3	Zeta S		> ×	V V	- L	V .	- E	< A ADM20N2V18	< A ADMS 502V18	C CTXM15R2V1B/CTXM15R5V1	< < FTXM20R2V1B/	< < FTXM35R2V1B/	< FTXM5082V18 < FTXM6082V18	C C FTXM71R2V18 C ATXM20R2V18 (4TXM20B5V18)	C A ADM25R2V1B / ATM25R5V1B		CVXM2M2M2V1B, CVXM2 PVXM2SA2V1B, FVXM2 PVXM3SA2V1B, FVXM3 FVXMSQA2V1B, FVXM3	< FTXTM30R2V18 < FTXTM40R2V18	< FTXI20/ZV1BW/	FTXI20AZV1BS/FTXI20A FTXI20AZV1BB/FTXI20A	C C FTXL25A2V18W/FTXL25A2V1	FIXES		C < FTX135AZV1BB/FTX135AZV1	C C FTXI42ACV1BN	< FTXJ42AZV188		< FTXI5042V18B/FTXI5042V18 < FTXTM3052V18	< < FTXTMAGGZV18		~	/CDXM15	/ /	~	<i>y</i> .	, ,	< c FTXM71AZV1B	< A A D0M20A2V1B	5A2V1B	< A ADMSOVZV1B / ADMSOVSV	Y Y	L A FTXI														
	BRC073A1 BRCW901A03 BRCW901A08	New Perfera	New floor stans	Emura 3	Zeta S		> ×			V .	V V	V V		< < < CT0M156	< < FTXM20R2V1B/	< < < FTXMASR2V1B/	< < < FTXMS0R2V18	· v ·	C C A ADM2582V1B / ATM2582V1B	/ V		S S S FIXTING	< < FTXU20AZV1BW/	< < FTXI20AZV1BB/FTXI20AZV1BB/FTXI20A	C C C FTX/25/2V1BW/FTX/25	FIXES		< < FTXUSSAZV1BB/FTXJSSAZV1	C C C FTXL42A2V1BN	< < < FTXJ42A2V18B		< < < FTXJ50A2V18B/FTXJ50A2V18 < < < FTXTM30S2V18	< < < FTXTM40S2V18	< < < FTXT330A2V188	~	< < CTXM15AZV1B/CTXM15	· · ·	~	~ ·	, ,	< < < FTXM71A2V1B	< < A ADM20/2V1B	< < < ADM25/2V18	< < A ADMS042V18	MTX	L C FTXI														
	BRC073A1 BRCW901A03 BRCW901A08 DCC601A51	New Perfera	New floor stans 2 3	2 3 2 3	Zeta S 2 3 2 3		XX	××		×	× × ×	× ×	∑	< < < CT0M156	< < < < FTXM20R2V1B/	< < < < FTXM35R2V1B/		· v ·	C C C A ADM25R2V1B/ADM25R5V1B	/ V	CVXM2M2M2V1B, CVXM2 PVXM2SA2V1B, FVXM2 PVXM3SA2V1B, FVXM3 FVXMSQA2V1B, FVXM3	< FTXTMS >	< < < FTX/20/2/18W/	< < < FTXL20A2V1BS/FTXL20A < < < FTXL20A2V1BB/FTXL20A	< < < < < FTX125A2V1BW/FTX25	FIXES		< < < FTX135AZV18B/FTX135AZV1	< < < FTXU42A2V1BY	< < < FTXJ42A2V188		< < < FTXISOAZV188 / FTXISOAZV18	C C C C FDCPM40S2V1B	4 < 4 < FTXT:00A2V1BB	· ·	< < CTXM15AZV1B/CTXM15	/ /	> > > >	J .	, ,	< < < FTXM71A2V18	< < < A ADM20/2V18	C C C ADM25/2V18	< < < ADM5042018	X X X Y	Y Y Y														
pen pulse contact)	BRC073A1 BRCW901A03 BRCW901A08 DCC601A51 KRP413AB1S	New Perfera	2 3 2 3 2 3 5	23 23 23 23	2 3 2 3 2 3 2 3 5 2 3 5		XX	× × ×		×	V V	× ×		< < < CT0M156	< < < < FTXM20R2V1B/	< < < < FTXM3582V1B/		· v ·	A A A A A A ADM25R2VB/ADM25R5V1B	/ V		S S S FIXTING	< < < FTX/20/2/18W/	< < FTXI20AZV1BB/FTXI20AZV1BB/FTXI20A	C C C FTX/25/2V1BW/FTX/25	FIXES		< < < < FTXUSSAZV1BB/FTXISSAZV1	C C C FTXL42A2V1BN	< < < FTXJ42A2V188		< < < FTX150A2V18B/FTX150A2V18	C C C C FTXTM40S2V18	C C C C FIXIBAZVIBB	· · · · · · · · · · · · · · · · · · ·	< < CTXM15AZV1B/CTXM15	· · ·	> > > >	V .		< < < < FTXM71A2V1B	< < < < A A A A A A A A A A A A A A A A	< < < ADM25/2V18	< < < ADM5042018	X · · ·	Y Y Y														
pen pulse contact)	BRC073A1 BRCW901A03 BRCW901A08 DCC601A51 KRP413AB1S KRP413BB1S	New Perfera	2 3 2 3 5 2 3	23 23 23 23 23 23	2 (3 (2 (3 (5 (2 (3 (5 (5 (5 (5 (5 (5 (5 (5 (5 (5 (5 (5 (5		XX	XX	X	X	× × ×	× ×	∑	< < < CT0M156	< < < < FTXMZ0RZV1B/	< < < < < < < < < < < < < < < < < < <		· v ·		/ V		PIXTRE	< < < < < FTXI20AZV1BW/	< < < < < FTX120AZV18S / FTX120AZV18B / FTX120AZV18	< < < < < FTX125A2V1BW/FTX25	FIXES		< < < < < FTXU354ZV18B/FTXU354ZV1	C C C C C C FTXL42A2V1BW C C C C C C FTXL42A2V1BW	< < < < < FTXL42/2V188		< < < < < < < < < <			· · · · · · · · · · · · · · · · · · ·	< < CTXM15AZV1B/CTXM15	· · ·	7 7 7 7	V .		< < < < FTXM71AZV18	< < < < A ADM20/2V1B	< < < < < AD042542V1B	< < < ADM5042018) > X	X														
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- Notes

 1. Standard accessory

 2. This option features a(n) ·S21· connector. To connect this option to the indoor unit, therefore conversion wire harness ·EKRS21· is required.

 3. 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.

 4. Obsolete option.

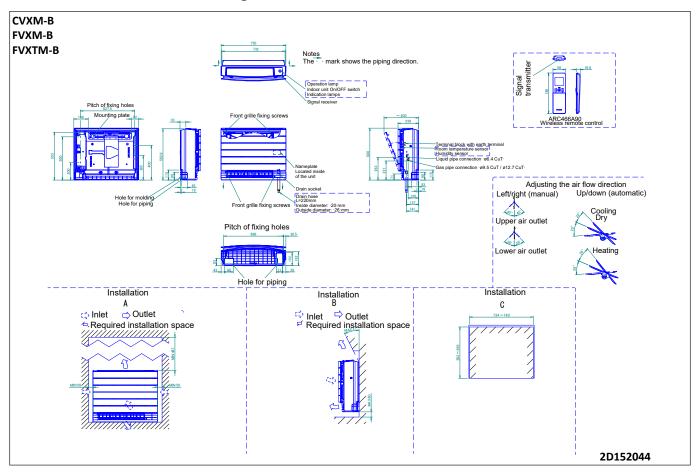
 5. Production of this option finished, replaced by new option KRP413BB1S.

3D120481L



4 Dimensional drawings

4 - 1 Dimensional Drawings

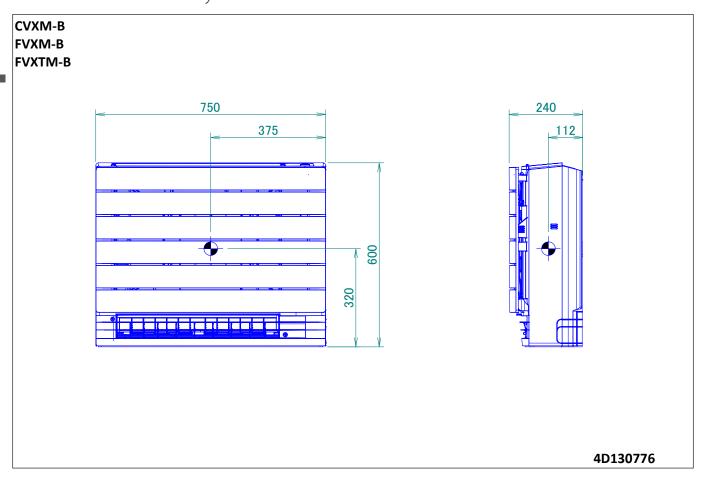


5



5 Centre of gravity

5 - 1 Centre of Gravity

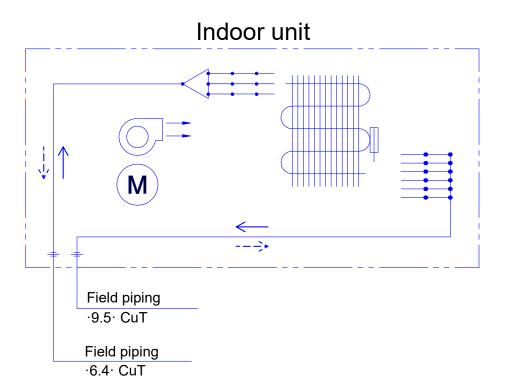




6 Piping diagrams

6 - 1 Piping Diagrams

CVXM-B FVXM25B FVXM35B FVXTM-B



Legend

M

Fan motor







Heat exchanger

Screw connection

Refrigerant flow

Cooling

---> Heating

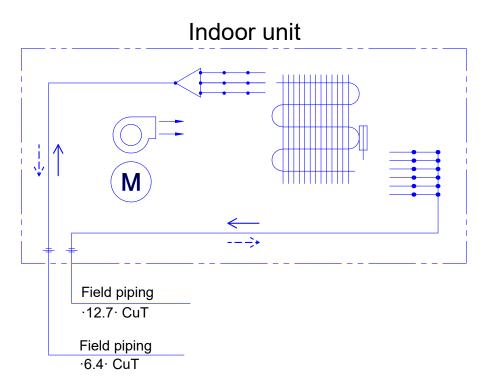
4D152056



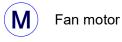
6 Piping diagrams

6 - 1 Piping Diagrams

FVXM50B



Legend



Thermistor

Turbo fan

Distributor

Heat exchanger

Screw connection

Refrigerant flow

Cooling

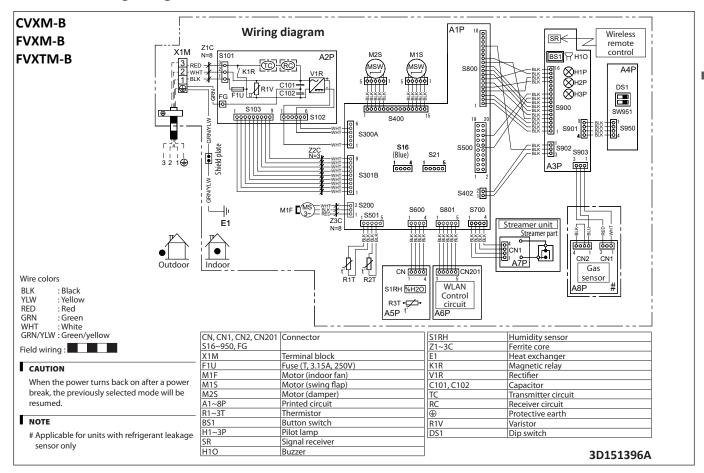
--→ Heating

4D152055



7 Wiring diagrams

7 - 1 Wiring Diagrams - Three Phase

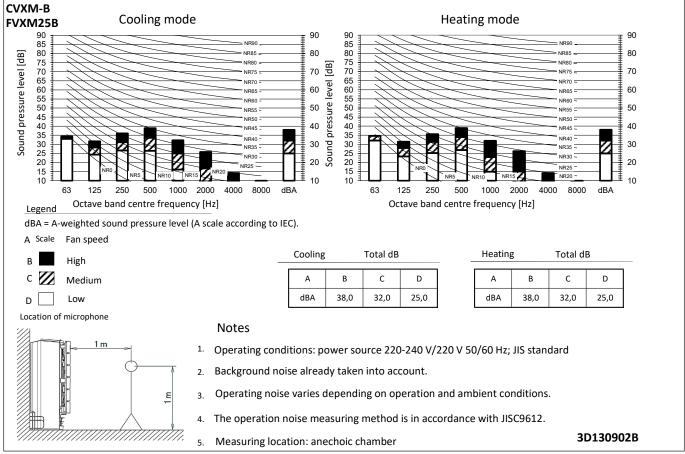


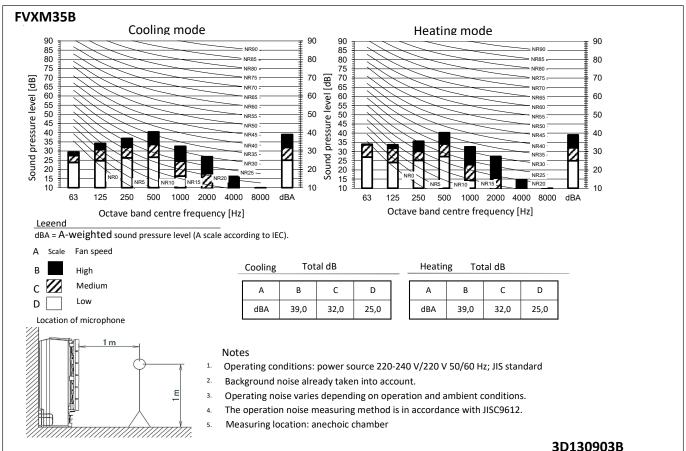




Sound data

8 - 1 Sound Pressure Spectrum

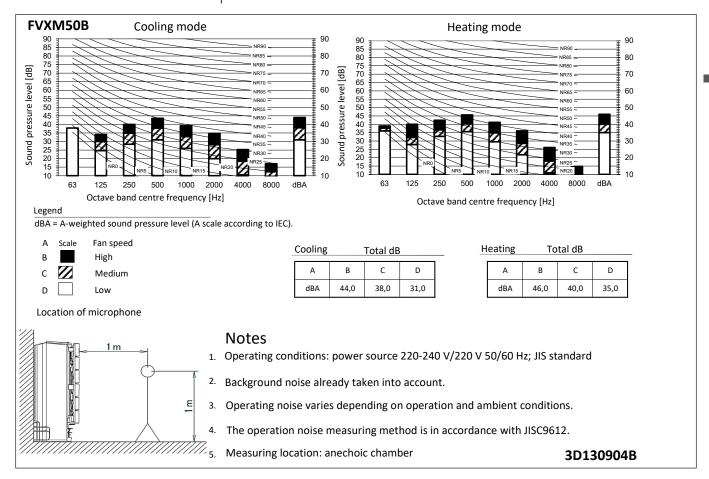






8 Sound data

8 - 1 Sound Pressure Spectrum



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