

1.2 Heat Pump

50 Hz, 220 - 230 - 240 V / 60 Hz, 220 - 230 V

Model	Indoor Unit		FTXM20WVMA		FTXM25WVMA	
	Outdoor Unit		RXM20WVMA		RXM25WVMA	
			Cooling	Heating	Cooling	Heating
Capacity (Rated) (Min. ~ Max.) / Half / Low Temperature	kW		2.200 (1.100 ~ 2.800) / 1.100 / —	2.700 (1.100 ~ 4.400) / 1.350 / 3.100	2.500 (1.100 ~ 3.700) / 1.250 / —	3.200 (1.100 ~ 5.400) / 1.600 / 3.600
	Btu/h		7,500 (3,800 ~ 9,600) / 3,800 / —	9,200 (3,800 ~ 15,000) / 4,600 / 10,600	8,500 (3,800 ~ 12,600) / 4,300 / —	10,900 (3,800 ~ 18,400) / 5,500 / 12,300
	kcal/h		1,890 (950 ~ 2,410) / 950 / —	2,320 (950 ~ 3,780) / 1,160 / 2,670	2,150 (950 ~ 3,180) / 1,070 / —	2,750 (950 ~ 4,640) / 1,380 / 3,100
Moisture Removal	L/h		0.9	—	1.2	—
Running Current (Rated)	A		1.9	2.3	2.1	2.9
Power Consumption (Rated) (Min. ~ Max.) / Half / Low Temperature	W		415 (185 ~ 640) / 200 / —	500 (220 ~ 1,170) / 234 / 960	465 (190 ~ 1,050) / 220 / —	640 (220 ~ 1,480) / 268 / 1,100
Power Factor (Rated)	%		95.0	94.5	96.3	96.0
COP (Rated)	W/W		5.30	5.40	5.38	5.00
AEER / ACOP			5.254	5.360	5.334	4.971
Piping Connections	Liquid	mm	φ 6.4		φ 6.4	
	Gas	mm	φ 9.5		φ 9.5	
	Drain	mm	φ 16.0		φ 16.0	
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
Max. Interunit Piping Length	m		20		20	
Max. Interunit Height Difference	m		15		15	
Chargeless	m		10		10	
Amount of Additional Charge of Refrigerant	g/m		20		20	
Indoor Unit			FTXM20WVMA		FTXM25WVMA	
Front Panel Colour (Munsell No.)			White (N9.5)		White (N9.5)	
Airflow Rate	H	m ³ /min (cfm)	13.7 (484)	13.4 (473)	14.5 (512)	13.4 (473)
	M		9.9 (350)	9.9 (350)	9.9 (350)	9.9 (350)
	L		7.2 (254)	8.8 (311)	7.2 (254)	8.8 (311)
	SL		5.1 (180)	5.8 (205)	5.1 (180)	5.8 (205)
Fan	Type		Cross Flow Fan		Cross Flow Fan	
	Motor Output	W	30		30	
	Speed	Steps	5 Steps, Quiet, Auto		5 Steps, Quiet, Auto	
Air Direction Control			Right, Left, Horizontal, Downwards		Right, Left, Horizontal, Downwards	
Air Filter			Removable, Washable, Mildew Proof		Removable, Washable, Mildew Proof	
Running Current (Rated)	A		0.19	0.18	0.20	0.18
Power Consumption (Rated)	W		26	24	29	24
Power Factor (Rated)	%		59.5	58.0	63.0	58.0
Temperature Control			Microcomputer Control		Microcomputer Control	
Dimensions (H × W × D)	mm		299 × 920 × 275		299 × 920 × 275	
Packaged Dimensions (H × W × D)	mm		380 × 1,010 × 391		380 × 1,010 × 391	
Weight (Mass)	kg		13		13	
Gross Weight (Gross Mass)	kg		18		18	
Sound Pressure Level	H / M / L / SL	dB(A)	39 / 32 / 25 / 19	39 / 34 / 28 / 20	41 / 32 / 25 / 19	40 / 34 / 28 / 20
Sound Power Level		dB	55	55	57	56
Outdoor Unit			RXM20WVMA		RXM25WVMA	
Casing Colour			Ivory White		Ivory White	
Heat Exchanger	Fin / Spec. Tube		Waffle Fin / φ7 Hi-XD Tube		Waffle Fin / φ7 Hi-XD Tube	
Compressor	Type		Hermetically Sealed Swing Type		Hermetically Sealed Swing Type	
	Model		1YC25FXD		1YC25FXD	
	Motor Output	W	800		800	
Refrigerant Oil	Type		FW68DA		FW68DA	
	Charge	L	0.375		0.375	
Refrigerant	Type		R-32		R-32	
	Charge	kg	0.73		0.85	
Airflow Rate	H	m ³ /min (cfm)	26.2 (925)	26.2 (925)	25.3 (893)	24.2 (855)
	SL		23.2 (819)	16.9 (597)	21.2 (749)	15.1 (533)
Fan	Type		Propeller		Propeller	
	Motor Output	W	28		28	
Running Current (Rated)	A		1.70	2.10	1.90	2.70
Power Consumption (Rated)	W		389	476	436	616
Power Factor (Rated)	%		99.5	98.6	99.8	99.2
Starting Current	A		2.4		3.1	
Dimensions (H × W × D)	mm		550 × 675 × 284		550 × 675 × 284	
Packaged Dimensions (H × W × D)	mm		605 × 798 × 373		605 × 798 × 373	
Weight (Mass)	kg		28		30	
Gross Weight (Gross Mass)	kg		32		35	
Sound Pressure Level	H / SL	dB(A)	46 / 43	47 / 44	47 / 43	48 / 44
Sound Power Level	H	dB	58	59	59	60
Drawing No.			3D135560		3D135561	

- Notes:**
- SL: The Quiet fan level of the airflow rate setting.
 - The data are based on the conditions shown in the table below.

Cooling	Heating	Piping Length
Indoor ; 27°CDB / 19°CWB Outdoor ; 35°CDB / 24°CWB	Indoor ; 20°CDB / 15°CWB Outdoor ; 7°CDB / 6°CWB	5.0 m

Conversion Formulae
kcal/h = kW × 860 Btu/h = kW × 3412 cfm = m ³ /min × 35.3

50 Hz, 220 - 230 - 240 V / 60 Hz, 220 - 230 V

Model	Indoor Unit		FTXM35WVMA		FTXM46WVMA	
	Outdoor Unit		RXM35WVMA		RXM46WVMA	
			Cooling	Heating	Cooling	Heating
Capacity (Rated) (Min. - Max.) / Half / Low Temperature	kW		3.500 (1,100 ~ 4,200) / 1,750 / —	3.700 (1,100 ~ 5,500) / 1,850 / 3,700	4.600 (0,900 ~ 5,500) / 2,300 / —	4.700 (1,000 ~ 6,700) / 2,350 / 4,900
	Btu/h		11,900 (3,800 ~ 14,300) / 6,000 / —	12,600 (3,800 ~ 18,800) / 6,300 / 12,600	15,700 (3,100 ~ 18,800) / 7,800 / —	16,000 (3,400 ~ 22,900) / 8,000 / 16,700
	kcal/h		3,010 (950 ~ 3,610) / 1,500 / —	3,180 (950 ~ 4,730) / 1,590 / 3,180	3,960 (770 ~ 4,730) / 1,980 / —	4,040 (860 ~ 5,760) / 2,020 / 4,210
Moisture Removal	L/h		1.9	—	2.9	—
Running Current (Rated)	A		3.6	3.5	5.4	4.8
Power Consumption (Rated) (Min. - Max.) / Half / Low Temperature	W		800 (196 ~ 1,300) / 295 / —	757 (220 ~ 1,440) / 313 / 1,130	1,165 (220 ~ 1,730) / 450 / —	1,040 (220 ~ 2,350) / 384 / 1,500
Power Factor (Rated)	%		96.6	94.0	93.8	94.2
COP (Rated)	W/W		4.38	4.89	3.95	4.52
AEER / ACOP			4.355	4.864	3.936	4.503
Piping Connections	Liquid	mm	φ 6.4		φ 6.4	
	Gas	mm	φ 9.5		φ 12.7	
	Drain	mm	φ 16.0		φ 16.0	
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
Max. Interunit Piping Length	m		20		30	
Max. Interunit Height Difference	m		15		20	
Chargeless	m		10		10	
Amount of Additional Charge of Refrigerant	g/m		20		20	
Indoor Unit			FTXM35WVMA		FTXM46WVMA	
Front Panel Colour (Munsell No.)			White (N9.5)		White (N9.5)	
Airflow Rate	H	m³/min (cfm)	14.5 (512)	14.5 (512)	15.2 (537)	15.0 (530)
	M		9.9 (350)	11.5 (406)	12.0 (424)	12.0 (424)
	L		7.2 (254)	8.8 (311)	9.5 (335)	9.2 (325)
	SL		5.1 (180)	5.8 (205)	7.1 (251)	7.1 (251)
Fan	Type		Cross Flow Fan		Cross Flow Fan	
	Motor Output	W	30		30	
	Speed	Steps	5 Steps, Quiet, Auto		5 Steps, Quiet, Auto	
Air Direction Control			Right, Left, Horizontal, Downwards		Right, Left, Horizontal, Downwards	
Air Filter			Removable, Washable, Mildew Proof		Removable, Washable, Mildew Proof	
Running Current (Rated)	A		0.20	0.20	0.21	0.21
Power Consumption (Rated)	W		29	29	32	31
Power Factor (Rated)	%		63.0	63.0	66.3	64.2
Temperature Control			Microcomputer Control		Microcomputer Control	
Dimensions (H × W × D)	mm		299 × 920 × 275		299 × 920 × 275	
Packaged Dimensions (H × W × D)	mm		380 × 1,010 × 391		380 × 1,010 × 391	
Weight (Mass)	kg		13		13	
Gross Weight (Gross Mass)	kg		18		18	
Sound Pressure Level	H / M / L / SL	dB(A)	42 / 34 / 26 / 19	42 / 36 / 29 / 20	43 / 40 / 35 / 26	43 / 38 / 33 / 26
Sound Power Level		dB	58	58	59	59
Outdoor Unit			RXM35WVMA		RXM46WVMA	
Casing Colour			Ivory White		Ivory White	
Heat Exchanger	Fin / Spec. Tube		Waffle Fin / φ7 Hi-XD Tube		Waffle Fin / φ7 Hi-XD Tube	
Compressor	Type		Hermetically Sealed Swing Type		Hermetically Sealed Swing Type	
	Model		1YC25FXD		2YC40GXD	
	Motor Output	W	800		1,300	
Refrigerant Oil	Type		FW68DA		FW68DA	
	Charge	L	0.375		0.650	
Refrigerant	Type		R-32		R-32	
	Charge	kg	0.85		1.20	
Airflow Rate	H	m³/min (cfm)	28.4 (1,003)	26.1 (922)	55.8 (1,970)	51.0 (1,801)
	SL		21.2 (749)	15.1 (533)	46.1 (1,628)	36.4 (1,285)
Fan	Type		Propeller		Propeller	
	Motor Output	W	28		128	
Running Current (Rated)	A		3.40	3.30	5.20	4.60
Power Consumption (Rated)	W		771	728	1,133	1,009
Power Factor (Rated)	%		98.6	95.9	94.7	95.4
Starting Current	A		3.8		5.6	
Dimensions (H × W × D)	mm		550 × 675 × 284		695 × 930 × 350	
Packaged Dimensions (H × W × D)	mm		605 × 798 × 373		762 × 1,004 × 475	
Weight (Mass)	kg		30		51	
Gross Weight (Gross Mass)	kg		35		58	
Sound Pressure Level	H / SL	dB(A)	49 / 44	49 / 45	47 / 44	48 / 45
Sound Power Level		dB	61	61	59	60
Drawing No.			3D135562		3D135564	

- Notes:**
1. SL: The Quiet fan level of the airflow rate setting.
 2. The data are based on the conditions shown in the table below.

Cooling	Heating	Piping Length
Indoor ; 27°CDB / 19°CWB Outdoor ; 35°CDB / 24°CWB	Indoor ; 20°CDB / 15°CWB Outdoor ; 7°CDB / 6°CWB	5.0 m

Conversion Formulae
kcal/h = kW × 860
Btu/h = kW × 3412
cfm = m³/min × 35.3

50 Hz, 220 - 230 - 240 V / 60 Hz, 220 - 230 V

Model	Indoor Unit		FTXM50WVMA		FTXM60WVMA	
	Outdoor Unit		RXM50WVMA		RXM60WVMA	
			Cooling	Heating	Cooling	Heating
Capacity (Rated) (Min. - Max.) / Half / Low Temperature	kW		5,000 (1,100 ~ 6,700) / 2,500 / —	6,000 (1,000 ~ 8,000) / 3,000 / 5,800	6,000 (1,100 ~ 7,500) / 3,000 / —	7,200 (1,000 ~ 9,800) / 3,600 / 6,500
	Btu/h		17,100 (3,800 ~ 22,900) / 8,500 / —	20,500 (3,400 ~ 27,300) / 10,200 / 19,800	20,500 (3,800 ~ 25,600) / 10,200 / —	24,600 (3,400 ~ 33,400) / 12,300 / 22,200
	kcal/h		4,300 (950 ~ 5,760) / 2,150 / —	5,160 (860 ~ 6,880) / 2,580 / 4,990	5,160 (950 ~ 6,450) / 2,580 / —	6,190 (860 ~ 8,430) / 3,100 / 5,590
Moisture Removal	L/h		2.9	—	4.0	—
Running Current (Rated)	A		5.2	5.6	6.7	7.3
Power Consumption (Rated) (Min. - Max.) / Half / Low Temperature	W		1,130 (260 ~ 2,000) / 418 / —	1,230 (220 ~ 2,350) / 472 / 1,760	1,480 (260 ~ 2,380) / 510 / —	1,610 (220 ~ 2,650) / 600 / 1,980
Power Factor (Rated)	%		94.5	95.5	96.0	95.9
COP (Rated)	W/W		4.42	4.88	4.05	4.47
AEER / ACOP			4.410	4.863	4.044	4.462
Piping Connections	Liquid	mm	φ 6.4		φ 6.4	
	Gas	mm	φ 12.7		φ 12.7	
	Drain	mm	φ 16.0		φ 16.0	
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
Max. Interunit Piping Length	m		30		30	
Max. Interunit Height Difference	m		20		20	
Chargeless	m		10		10	
Amount of Additional Charge of Refrigerant	g/m		20		20	
Indoor Unit			FTXM50WVMA		FTXM60WVMA	
Front Panel Colour (Munsell No.)			White (N9.5)		White (N9.5)	
Airflow Rate	H	m ³ /min (cfm)	20.5 (724)	20.5 (724)	23.7 (837)	23.7 (837)
	M		16.9 (597)	15.6 (551)	18.3 (646)	16.7 (590)
	L		14.0 (494)	12.8 (452)	14.0 (494)	12.8 (452)
	SL		9.7 (343)	9.7 (343)	9.7 (343)	9.7 (343)
Fan	Type		Cross Flow Fan		Cross Flow Fan	
	Motor Output	W	80		80	
	Speed	Steps	5 Steps, Quiet, Auto		5 Steps, Quiet, Auto	
Air Direction Control		Right, Left, Horizontal, Downwards		Right, Left, Horizontal, Downwards		
Air Filter		Removable, Washable, Mildew Proof		Removable, Washable, Mildew Proof		
Running Current (Rated)	A		0.40	0.40	0.49	0.49
Power Consumption (Rated)	W		42	42	61	61
Power Factor (Rated)	%		45.7	45.7	54.1	54.1
Temperature Control			Microcomputer Control		Microcomputer Control	
Dimensions (H × W × D)	mm		299 × 1,100 × 275		299 × 1,100 × 275	
Packaged Dimensions (H × W × D)	mm		401 × 1,212 × 393		401 × 1,212 × 393	
Weight (Mass)	kg		15		15	
Gross Weight (Gross Mass)	kg		22		22	
Sound Pressure Level	H / M / L / SL	dB(A)	45 / 40 / 35 / 28	45 / 39 / 33 / 28	48 / 42 / 36 / 29	48 / 41 / 33 / 29
Sound Power Level		dB	61	61	64	64
Outdoor Unit			RXM50WVMA		RXM60WVMA	
Casing Colour			Ivory White		Ivory White	
Heat Exchanger	Fin / Spec. Tube		Waffle Fin / φ7 Hi-XD Tube		Waffle Fin / φ7 Hi-XD Tube	
Compressor	Type		Hermetically Sealed Swing Type		Hermetically Sealed Swing Type	
	Model		2YC40GXD		2YC40GXD	
	Motor Output	W	1,300		1,300	
Refrigerant Oil	Type		FW68DA		FW68DA	
	Charge	L	0.650		0.650	
Refrigerant	Type		R-32		R-32	
	Charge	kg	1.50		1.50	
Airflow Rate	H	m ³ /min (cfm)	50.5 (1,783)	45.7 (1,614)	54.6 (1,928)	56.2 (1,984)
	SL		44.1 (1,557)	40.1 (1,416)	44.1 (1,557)	40.1 (1,416)
Fan	Type		Propeller		Propeller	
	Motor Output	W	128		128	
Running Current (Rated)	A		4.80	5.20	6.20	6.80
Power Consumption (Rated)	W		1,088	1,188	1,419	1,549
Power Factor (Rated)	%		98.6	99.3	99.5	99.0
Starting Current	A		5.9		7.6	
Dimensions (H × W × D)	mm		695 × 930 × 350		695 × 930 × 350	
Packaged Dimensions (H × W × D)	mm		762 × 1,004 × 475		762 × 1,004 × 475	
Weight (Mass)	kg		54		54	
Gross Weight (Gross Mass)	kg		61		61	
Sound Pressure Level	H / SL	dB(A)	47 / 44	48 / 45	49 / 45	52 / 45
Sound Power Level	H	dB	59	60	61	64
Drawing No.			3D135565		3D135566	

- Notes:**
- SL: The Quiet fan level of the airflow rate setting.
 - The data are based on the conditions shown in the table below.

Cooling	Heating	Piping Length
Indoor; 27°CDB / 19°CWB Outdoor; 35°CDB / 24°CWB	Indoor; 20°CDB / 15°CWB Outdoor; 7°CDB / 6°CWB	5.0 m

Conversion Formulae
kcal/h = kW × 860 Btu/h = kW × 3412 cfm = m ³ /min × 35.3

50 Hz, 220 - 230 - 240 V / 60 Hz, 220 - 230 V

Model	Indoor Unit		FTXM71WVMA	
	Outdoor Unit		RXM71WVMA	
			Cooling	Heating
Capacity (Rated) (Min. ~ Max.) / Half / Low Temperature	kW		7.100 (2,000 ~ 8,900) / 3,550 / —	8.000 (2,000 ~ 10,800) / 4,000 / 7,700
	Btu/h		24,200 (6,800 ~ 30,400) / 12,100 / —	27,300 (6,800 ~ 36,900) / 13,600 / 26,300
	kcal/h		6,110 (1,720 ~ 7,650) / 3,050 / —	6,880 (1,720 ~ 9,290) / 3,440 / 6,620
Moisture Removal	L/h		4.5	—
Running Current (Rated)	A		9.0	8.9
Power Consumption (Rated) (Min. ~ Max.) / Half / Low Temperature	W		2,000 (450~ 3,350) / 695 / —	1,960 (390 ~ 3,580) / 719 / 2,660
Power Factor (Rated)	%		96.6	95.7
COP (Rated)	W/W		3.55	4.08
AEER / ACOP			3.543	4.074
Piping Connections	Liquid	mm	φ 6.4	
	Gas	mm	φ 15.9	
	Drain	mm	φ 16.0	
Heat Insulation	Both Liquid and Gas Pipes			
Max. Interunit Piping Length	m		30	
Max. Interunit Height Difference	m		20	
Chargeless	m		10	
Amount of Additional Charge of Refrigerant	g/m		20	
Indoor Unit		FTXM71WVMA		
Front Panel Colour (Munsell No.)		White (N9.5)		
Airflow Rate	H	m³/min (cfm)	24.6 (869)	24.6 (869)
	M		19.0 (671)	18.5 (653)
	L		14.7 (519)	14.0 (494)
	SL		10.4 (367)	10.4 (367)
Fan	Type	Cross Flow Fan		
	Motor Output	W	80	
	Speed	Steps	5 Steps, Quiet, Auto	
Air Direction Control		Right, Left, Horizontal, Downwards		
Air Filter		Removable, Washable, Mildew Proof		
Running Current (Rated)	A	0.52	0.52	
Power Consumption (Rated)	W	68	68	
Power Factor (Rated)	%	56.9	56.9	
Temperature Control		Microcomputer Control		
Dimensions (H × W × D)	mm	299 × 1,100 × 275		
Packaged Dimensions (H × W × D)	mm	401 × 1,212 × 393		
Weight (Mass)	kg	15		
Gross Weight (Gross Mass)	kg	22		
Sound Pressure Level	H / M / L / SL	dB(A)	49 / 45 / 37 / 30	49 / 43 / 35 / 30
Sound Power Level		dB	65	
Outdoor Unit		RXM71WVMA		
Casing Colour		Ivory White		
Heat Exchanger	Fin / Spec. Tube	Waffle Fin / φ7 Hi-XD Tube		
Compressor	Type	Hermetically Sealed Swing Type		
	Model	2YC71BXD		
	Motor Output	W	2,400	
Refrigerant Oil	Type	FW68DA		
	Charge	L	0.900	
Refrigerant	Type	R-32		
	Charge	kg	1.60	
Airflow Rate	H	m³/min (cfm)	64.2 (2,267)	57.8 (2,041)
	SL		49.7 (1,755)	40.1 (1,416)
Fan	Type	Propeller		
	Motor Output	W	128	
Running Current (Rated)	A	8.50	8.40	
Power Consumption (Rated)	W	1,932	1,892	
Power Factor (Rated)	%	98.8	97.9	
Starting Current	A	9.4		
Dimensions (H × W × D)	mm	695 × 930 × 350		
Packaged Dimensions (H × W × D)	mm	762 × 1,004 × 475		
Weight (Mass)	kg	60		
Gross Weight (Gross Mass)	kg	67		
Sound Pressure Level	H / SL	dB(A)	53 / 49	54 / 49
Sound Power Level	H	dB	65	66
Drawing No.		3D135567		

- Notes:**
1. SL: The Quiet fan level of the airflow rate setting.
 2. The data are based on the conditions shown in the table below.

Cooling	Heating	Piping Length
Indoor ; 27°CDB / 19°CWB Outdoor ; 35°CDB / 24°CWB	Indoor ; 20°CDB / 15°CWB Outdoor ; 7°CDB / 6°CWB	5.0 m

Conversion Formulae
kcal/h = kW × 860
Btu/h = kW × 3412
cfm = m³/min × 35.3