

# 1 Features

## 1 - 1 RXM-R

**1**

- › Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- › Daikin outdoor units are neat, sturdy and can easily be mounted on a roof or terrace or simply placed against an outside wall
- › Outdoor units are fitted with a swing compressor, renowned for its low noise and high energy efficiency
- › Outdoor units for pair application
- › Anti-corrosion treated outdoor heat exchanger fin



Outdoor  
unit silent  
operation

# 2 Specifications

1 - 1 RXM-R

63.N1

Technical Specifications					RXM25R	RXM35R	RXM50R	RXM60R
Casing	Colour				Ivory white			
Dimensions	Unit	Height	mm		550		734	
		Width	mm		765		870	
		Depth	mm		285		373	
	Packed unit	Height	mm		612		820	
		Width	mm		906		1,050	
		Depth	mm		402		480	
Weight	Unit	kg		32		49.0		
	Packed unit	kg		34		53		
Packing	Weight	kg		-		4		
Heat exchanger	Length	mm		805		920		
	Rows	Quantity		2				
	Fin pitch	mm		1.4		1.40		
	Stages	Quantity		24		32		
	Passes	Quantity		3.1		2.2		
	Tube type			ø7 Hi-XD		7.0 Hi-XD		
	Fin	Type		Waffle fin (PE)				
	Fan	Type			Propeller fan			
Air flow rate		Cooling	Nom.	m³/min	28.3	36.0	46.6	
				cfm	999	1,271	1,645	
Heating		Nom.	m³/min	28.3		44.1		
				cfm	999		1,557	
Fan motor	Model			DFC05A3VA		D55F-31		
	Output			W		50		
	Speed	Cooling	High	rpm	860	920	760	
			Nom.	rpm	800	860	740	
	Heating	Low	rpm	400		640		
		High	rpm	860		720		
	Nom.	rpm	800		720			
		Low	rpm	400		660		
Compressor	Model			1YC25GXD#C		2YC40JXD#C		
	Oil Amount			cm³		-		
	Type			Hermetically sealed swing compressor				
	Output			W		800		
	Oil Type					-		
Operation range	Cooling	Ambient	Min.	°CDB	-10			
Operation range	Cooling	Ambient	Max.	°CDB	50 (1) / 46 (2)		50 (4) / 46 (5)	
	Heating	Ambient	Min.	°CDB	-20 (1) / -15 (2)		-20 (4) / -15 (5)	
			Max.	°CDB	24			
	Sound pressure level	Cooling	Nom.		dBA	46	49	48.0
	Heating	Nom.		dBA	47	49	49.0	
Refrigerant	Type			R-32				
	Charge			kg		0.76		
	Charge			TCO2Eq		0.52		
	Control					Expansion valve		
	GWP					675		
Piping connections	Liquid	OD	mm		6.35			
	Gas	OD	mm		9.50		12.7	
	Drain	OD	mm		18		16	
	Piping length	OU - IU	Max.	m	20		30	
		System	Chargeless	m	10		-	
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)			
	Level dif-ference	IU - OU	Max.	m	15		20.0	
	Heat insulation			Both liquid and gas pipes				
Capacity control	Method			Variable (inverter)				

Technical Specifications					RXM25R	RXM35R	RXM50R	RXM20R	RXM42R	RXM60R	RXM71R
Casing	Colour				Ivory white						
Dimensions	Unit	Height	mm		550		734	550		734	
		Width	mm		765		870	765		870	954
		Depth	mm		285		373	285		373	401
	Packed unit	Height	mm		612		820	612		820	
		Width	mm		906		1,050	906		1,050	
		Depth	mm		402		480	402		480	
Weight	Unit				kg	32	49.0	32	49.0		55
	Packed unit				kg	34	53	34	53		60
Packing	Weight				kg	-	4	-	4		5

## 2 Specifications

### 1 - 1 RXM-R

Technical Specifications					RXM25R	RXM35R	RXM50R	RXM20R	RXM42R	RXM60R	RXM71R	
Heat exchanger	Length	mm			805		920	805	920			
	Rows	Quantity			2							
	Fin pitch	mm			1.4		1.40	1.4	1.40			
	Stages	Quantity			24		32	24	32			
	Passes	Quantity			3.1		2.2	3.1	2.2			
	Tube type				ø7 Hi-XD		7.0 Hi-XD	ø7 Hi-XD	7.0 Hi-XD		ø7 Hi-XD	
	Fin	Type			Waffle fin (PE)							
Fan	Type				Propeller fan							
	Air flow rate	Cooling	Nom.	m³/min	28.3	36.0	46.6	36.0	46.6		-	
				cfm	999	1,271	1,645	1,271	1,645		1,730	
		Heating	Medium	m³/min	-							49.0
			Nom.	m³/min	28.3		44.1	28.3	44.1		-	
				cfm	999		1,557	999	1,557		1,632	
Medium			m³/min	-							46.2	
Fan motor	Model				DFC05A3VA		D55F-31	DFC05A3VA	D55F-31		D90B-37	
	Output	W			50		55	50	55		128	
	Speed	Cooling	High	rpm	860	920	760	920	760		880	
			Nom.	rpm	800	860	740	800	740		780	
			Low	rpm	400		640	400	640		700	
		Heating	High	rpm	860		720	860	720		780	
			Nom.	rpm	800		720	800	690	720	740	
			Low	rpm	400		660	400	500	660	680	
Compressor	Model				1YC25GXD#C		2YC40JXD#C	1YC25GXD#C	2YC40JXD#C		2YC71DXD#C	
	Oil Amount	cm³			-		650	-	650		900	
	Type				Hermetically sealed swing compressor							
	Output	W			800		1,300.0	800	1,300.0		2,400.0	
Compressor	Oil Type				-		FW68DA	-	FW68DA			
Operation range	Cooling	Ambient	Min.	°CDB	-10							
			Max.	°CDB	50 (1) / 46 (2)		50 (4) / 46 (5)	50 (1) / 46 (2)	50 (4) / 46 (5)		46	
	Heating	Ambient	Min.	°CDB	-20 (1) / -15 (2)		-20 (4) / -15 (5)	-20 (1) / -15 (2)	-20 (4) / -15 (5)		-15	
			Max.	°CDB	24							
Sound pressure level	Cooling	Nom.		dBA	46	49	48.0	46	48.0		47.0	
	Heating	Nom.		dBA	47	49	49.0	47	48.0	49.0	48.0	
Refrigerant	Type				R-32							
	Charge	kg			0.76		1.15	0.76	1.10	1.15		
	Charge	TCO2Eq			0.52		0.780	0.52	0.750	0.780		
	Control				Expansion valve		-	Expansion valve	-			
	GWP				675		675.0	675	675.0			
Piping connections	Liquid	OD	mm		6.35							
	Gas	OD	mm		9.50		12.7	9.50		12.7	15.9	
	Drain	OD	mm		18		16	18	16		18	
	Piping length	OU - IU	Max.	m	20		30	20	30			
	length	System	Chargeless	m	10		-	10	-			
	Additional refrigerant charge				0.02 (for piping length exceeding 10m)							
	Level dif-ference	IU - OU	Max.	m	15		20.0	15	20.0			
	Heat insulation				Both liquid and gas pipes							
Capacity control	Method				Variable (inverter)							

Standard accessories: Drain plug; Quantity: 1;

Standard accessories: Installation manual; Quantity: 1;

Standard accessories: Refrigerant charge label; Quantity: 1;

Standard accessories: Multilingual fluorinated greenhouse gases labels; Quantity: 1;

Standard accessories: Drain cap (1); Quantity: 6;

Standard accessories: Drain cap (2); Quantity: 3;

Electrical Specifications			RXM25R	RXM35R	RXM50R	RXM60R
Power supply	Phase		1~			
	Frequency	Hz	50			
	Voltage	V	220-240			
Wiring connections	For power supply	Quantity	3			
		Remark	Earth wire included			
	For connection with indoor	Quantity	4			
		Remark	Earth wire included			
Current - 50Hz	Maximum fuse amps (MFA)		A	13	16	

Electrical Specifications				RXM25R	RXM35R	RXM50R	RXM20R	RXM42R	RXM60R	RXM71R
Power supply	Phase			1~						
	Frequency Hz			50						
	Voltage V			220-240						

# 2 Specifications

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Electrical Specifications			RXM25R	RXM35R	RXM50R	RXM20R	RXM42R	RXM60R	RXM71R
Wiring connections	For power supply	Quantity	3						
		Remark	Earth wire included						
	For connection with indoor	Quantity	4						
		Remark	Earth wire included						
Current - 50Hz	Maximum fuse amps (MFA)	A	13	16	10	13	16	20	

(1)Only possible in combination with CTXM\*N2V1B, ATXM\*N2V1B, FTXM\*N2V1B |

(2)Only possible in combination with CTXM\*M2V1B, ATXM\*M2V1B, FTXM\*M2V1B, FVXM\*FV1B, FCAG\*AVEB, FFA\*A2VEB9,FBA\*A2VEB9, FHA\*AVEB9, FDXM\*F3V1B9, FNA\*A2VEB9, ADEA\*A2VEB9 |

See separate drawing for operation range |

See separate drawing for electrical data |

Contains fluorinated greenhouse gases

Technical specifications				FDXM25F9 + RXM25R	FDXM35F9 + RXM35R	FDXM50F9 + RXM50R	FDXM60F9 + RXM60R
Indoor unit				-		FDXM50F3V1B9	FDXM60F3V1B9
Outdoor unit				-		RXM50R5V1B	RXM60R5V1B
Cooling capacity	Min.	kW		1.30	1.40		1.70
	Min.	Btu/h		4,435	4,800		5,800
	Min.	kcal/h		1,117	1,204		1,462
	Nom.	kW		2.40	3.40	5.00	6.00
	Nom.	Btu/h		8,189	11,600	17,100	20,500
	Nom.	kcal/h		2,064	2,923	4,299	5,159
	Max.	kW		3.00	3.80	5.30	6.50
	Max.	Btu/h		10,236	13,000	18,100	22,200
	Max.	kcal/h		2,579	3,267	4,557	5,589
Heating capacity	Min.	kW		1.30	1.40		1.70
	Min.	Btu/h		4,435	4,800		5,800
	Min.	kcal/h		1,117	1,200		1,500
	Nom.	kW		3.20	4.00	5.80	7.00
	Nom.	Btu/h		10,919	13,600	19,800	23,900
	Nom.	kcal/h		2,752	3,439	4,987	6,019
	Max.	kW		4.50	5.00	6.00	7.10
	Max.	Btu/h		15,354	17,100	20,500	24,200
	Max.	kcal/h		3,869	4,299	5,159	6,105
Power input	Cooling	Nom. kW		0.64	1.14	1.63	2.05
	Heating	Nom. kW		0.80	1.15	1.87	2.18
Nominal efficiency	EER			3.77	2.98	3.06	2.93
	COP			4.00	3.48	3.10	3.21
	Annual energy consumption	kWh		318	570	817	1,024
	Energy labeling Directive			A	C	B	C
Space cooling	Energy efficiency class			A+	A	A+	A
	Capacity Pdesign	kW		2.40	3.40	5.00	6.00
	SEER			5.68	5.26	5.77	5.56
	Annual energy consumption	kWh/a		148	226	303	378
Space heating (Average climate)	Energy efficiency class			A+		A	
	Capacity Pdesign	kW		2.60	2.90	4.00	4.60
	SCOP/A			4.24	3.88	3.93	3.80
	SCOPnet/A			4.27	3.91	3.95	3.83
	Pdh Heating capacity at -10°	kW		2.16	2.41	3.56	3.94
Space heating (Average climate)	Annual energy consumption	kWh/a		858	1,046	1,424	1,693
	Required back up heating cap at design conditions	kW		0.44	0.49	0.44	0.66
Space heating (Warm climate)	Energy efficiency class			A+++	A++		A+
	Capacity Pdesignh	kW		1.40	1.57	2.13	2.48
	SCOP			5.38	4.88	4.40	4.47
	SCOPnet			5.46	4.95	4.45	4.51
	Annual energy consumption	kWh/a		365	450	679	777
Space cooling	Required back up heating cap at design conditions	kW		0.00			
	A Condi- tion (35°C - 27/19)	Pdc EERd	kW	2.40	3.40	5.00	6.00
				3.77	2.98	3.06	2.93
	B Condi- tion (30°C - 27/19)	Pdc EERd	kW	1.76	2.50	3.67	4.43
				5.38	4.08	4.96	4.64
	C Condi- tion (25°C - 27/19)	Pdc EERd	kW	1.27	1.61	2.37	2.85
				8.92	8.05	8.21	6.96
	D Condi- tion (20°C - 27/19)	Pdc EERd	kW	0.14	0.20	0.29	0.41
				1.31	1.46		2.26
				10.90	9.65	9.47	10.44
				0.12	0.15	0.24	0.22

## 2 Specifications

### 1 - 1 RXM-R

Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. |  
Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m.

Technical specifications			FTXM20R + RXM20R	FTXM25R + RXM25R	FTXM35R + RXM35R	FTXM42R + RXM42R	FTXM50R + RXM50R	FTXM60R + RXM60R
Cooling capacity	Min.	kW	1.30		1.40		1.70	
	Min.	Btu/h	4,400		4,800		5,800	
	Min.	kcal/h	1,118		1,204		1,462	
	Nom.	kW	2.00	2.50	3.40	4.20	5.00	6.00
	Nom.	Btu/h	6,800	8,500	11,600	14,300	17,100	20,500
	Nom.	kcal/h	1,720	2,150	2,923	3,611	4,299	5,159
	Max.	kW	2.60	3.20	4.00	5.00	6.00	7.00
	Max.	Btu/h	8,900	10,900	13,600	17,100	20,500	23,900
	Max.	kcal/h	2,236	2,752	3,439	4,299	5,159	6,019
Heating capacity	Min.	kW	1.30		1.40		1.70	
	Min.	Btu/h	4,400		4,800		5,800	
	Min.	kcal/h	1,100		1,200		1,500	
	Nom.	kW	2.50	2.80	4.00	5.40	5.80	7.00
	Nom.	Btu/h	8,500	9,600	13,600	18,400	19,800	23,900
	Nom.	kcal/h	2,150	2,408	3,439	4,643	4,987	6,019
	Max.	kW	3.50	4.70	5.20	6.00	7.70	8.00
	Max.	Btu/h	11,900	16,000	17,700	20,500	26,300	27,300
	Max.	kcal/h	3,009	4,041	4,471	5,159	6,621	6,879
Power input	Cooling	Nom. kW	0.44	0.56	0.80	0.97	1.36	1.77
	Heating	Nom. kW	0.50	0.56	0.99	1.31	1.45	1.94
Nominal efficiency	EER		4.57	4.50	4.23	4.33	3.68	3.39
	COP		5.00		4.04	4.12	4.00	3.61
	Annual energy consumption	kWh	219	278	402	485	679	885
	Energy labeling	Cooling	A					
	Directive	Heating	A					
Space cooling	Capacity	Pdesign kW	2.00	2.50	3.40	4.20	5.00	6.00
	Energy efficiency class		A+++				A++	
	SEER		8.65			7.85	7.41	6.90
	Annual energy consumption	kWh/a	81	101	137	187	236	304
Space heating (Average climate)	Capacity	Pdesign kW	2.30	2.40	2.50	4.00	4.60	4.80
	Energy efficiency class		A+++				A++	A+
	SCOP/A		5.10				4.71	4.30
	SCOPnet/A		5.13	5.14		4.76	4.75	4.34
	Pdh Heating capacity at -10°	kW	2.24	2.30	2.35	3.67	3.85	3.99
	Annual energy consumption	kWh/a	631	659	686	1,189	1,368	1,562
Space heating (Warm climate)	Required back up heating cap at design conditions	kW	0.06	0.10	0.15	0.33	0.75	0.81
	Capacity	Pdesignh kW	1.24	1.29	1.35	2.15	2.48	2.63
	Energy efficiency class		A+++					
	SCOP		6.19	6.15	6.18	6.15	5.82	5.51
	SCOPnet		6.32	6.25	6.28	6.24	5.93	5.60
	Annual energy consumption	kWh/a	280	296	306	490	596	668
Space cooling	Required back up heating cap at design conditions	kW	0.00					
	A Condi- tion (35°C	Pdc kW	2.00	2.50	3.40	4.20	5.00	6.00
	- 27/19)	EERd	4.57	4.50	4.23	4.33	3.68	3.39
		Power input	0.44	0.56	0.80	0.97	1.36	1.77
	B Condi- tion (30°C	Pdc kW	1.48	1.85	2.51	3.16	3.69	4.43
	- 27/19)	EERd	6.73	6.52	6.26	6.18	5.85	4.82
		Power input	0.22	0.28	0.40	0.51	0.63	0.92
	C Condi- tion (25°C	Pdc kW	1.10	1.19	1.62	2.05	2.37	2.85
	- 27/19)	EERd	10.52	10.17	10.18	9.24	8.43	8.09
		Power input	0.10	0.12	0.16	0.22	0.28	0.35
	D Condi- tion (20°C	Pdc kW	1.05	1.17	1.04	1.82	1.83	1.93
	- 27/19)	EERd	16.53	16.51	16.32	12.40	13.00	13.26
		Power input	0.06	0.07	0.06	0.15	0.14	0.15

# 2 Specifications

63.N1

1 - 1 RXM-R

2

Technical specifications					FTXM20R + RXM20R	FTXM25R + RXM25R	FTXM35R + RXM35R	FTXM42R + RXM42R	FTXM50R + RXM50R	FTXM60R + RXM60R						
Space heating (Average climate)	TOL	Tol (temperature operating limit) °C			-20											
		Pdh (declared heating cap) kW			2.14			2.67		3.12						
		COPd (declared COP)			2.29		2.50		1.99		2.04					
		Power input kW			0.93		0.86		1.34		1.53					
	TBivalent	Tbiv (bivalent temperature) °C			-7											
		Pdh (declared heating cap) kW			2.04		2.13		2.22		3.76		4.07		4.26	
		COPd (declared COP)			3.51		3.60		3.55		3.16		2.95		2.68	
		Power input kW			0.58		0.59		0.63		1.19		1.38		1.59	
	A Condition (-7°C)	Pdh (declared heating cap) kW			2.04		2.13		2.22		3.76		4.07		4.26	
		COPd (declared COP)			3.51		3.60		3.55		3.16		2.95		2.68	
		Power input kW			0.58		0.59		0.63		1.19		1.38		1.59	
	B Condition (2°C)	Pdh (declared heating cap) kW			1.24		1.29		1.35		2.16		2.48		2.63	
		COPd (declared COP)			5.16		5.14		5.11		4.54		4.80		4.31	
		Power input kW			0.24		0.25		0.26		0.48		0.52		0.61	
	C Condition (7°C)	Pdh (declared heating cap) kW			0.96		0.94		0.93		1.43		1.70		1.67	
		COPd (declared COP)			6.34		6.26		6.25		6.32		6.02		5.64	
Power input kW			0.15				0.23		0.28		0.30					
D Condition (12°C)	Pdh (declared heating cap) kW			0.99		1.08			1.54		1.98		1.96			
	COPd (declared COP)			7.99		7.85		7.72		7.69		7.18		6.82		
	Power input kW			0.12		0.14			0.20		0.28		0.29			
Space heating (Average climate)	TOL	Tol (temperature operating limit) °C			-20											
		Pdh (declared heating cap) kW			2.14			2.67		3.12						
		COPd (declared COP)			2.29		2.50		1.99		2.04					
		Power input kW			0.93		0.86		1.34		1.53					
	TBivalent	Tbiv (bivalent temperature) °C			2											
		Pdh (declared heating cap) kW			1.24		1.29		1.35		2.16		2.48		2.63	
		COPd (declared COP)			5.16		5.14		5.11		4.54		4.80		4.31	
		Power input kW			0.24		0.25		0.26		0.48		0.52		0.61	
	B Condition (2°C)	Pdh (declared heating cap) kW			1.24		1.29		1.35		2.16		2.48		2.63	
		COPd (declared COP)			5.16		5.14		5.11		4.54		4.80		4.31	
		Power input kW			0.24		0.25		0.26		0.48		0.52		0.61	
	C Condition (7°C)	Pdh (declared heating cap) kW			0.96		0.94		0.93		1.43		1.70		1.67	
		COPd (declared COP)			6.34		6.26		6.25		6.32		6.02		5.64	
		Power input kW			0.15				0.23		0.28		0.30			
	D Condition (12°C)	Pdh (declared heating cap) kW			0.99		1.08			1.54		1.98		1.96		
		COPd (declared COP)			7.99		7.85		7.72		7.69		7.18		6.82	
Power input kW			0.12		0.14			0.20		0.28		0.29				
Power consumption in other than active mode	Off mode	POFF W			1											
		Cooling PSB W			1											
	Standby mode	Heating PSB W			1											
		Thermostat-off mode	PTO	Cooling	W	6			7		12					
				Heating	W	7			13		14					
Cooling	Cdc (Degradation cooling)				0.25											
Heating	Cdh (Degradation heating)				0.25											
Cooling function included					Yes											
Heating function included					Yes											
Average climate included					Yes											
Cold season included					No											
Warm season included					Yes											
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	59	58	61	62			63					
		Sound power level indoor	Cooling	Nom.	dBA	57		58	60	58	60					
	Piping length	Cooling	Measuring condition	m	5.00											

Technical specifications				FTXM71R + RXM71R	
Cooling capacity	Min.	kW	2.30		
	Min.	Btu/h	7,800		
	Min.	kcal/h	1,978		
	Nom.	kW	7.10		
	Nom.	Btu/h	24,200		
	Nom.	kcal/h	6,105		
	Max.	kW	8.50		
	Max.	Btu/h	29,000		
	Max.	kcal/h	7,309		

# 3 Electrical data

## 3 - 1 Electrical Data

### RXM20-35R

Unit combination restrictions		Power supply						COMP		OFM		IFM	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA	
RXM20N5V1B9	FTXM20R2V1B	50	220	MAX. 50Hz 264V	8,93	10	32,5	1,7	0,048	0,320	0,029	0,30	
		50	230	MIN. 50Hz 198V				1,6					
		50	240					1,6					
RXM25N5V1B9	FTXM25R2V1B	50	220	MAX. 50Hz 264V	9,71	13	46,0	2,3	0,040	0,280	0,025	0,30	
		50	230	MIN. 50Hz 198V				2,2					
		50	240					2,1					
RXM35N5V1B9	FTXM35R2V1B	50	220	MAX. 50Hz 264V	9,76	13	60,0	3,3	0,048	0,320	0,030	0,30	
		50	230	MIN. 50Hz 198V				3,2					
		50	240					3,0					
ARXM25N5V1B9	ATXM25R2V1B	50	220	MAX. 50Hz 264V	9,71	13	46,0	2,3	0,040	0,280	0,025	0,30	
		50	230	MIN. 50Hz 198V				2,2					
		50	240					2,1					
ARXM35N5V1B9	ATXM35R2V1B	50	220	MAX. 50Hz 264V	9,76	13	60,0	3,3	0,048	0,320	0,030	0,30	
		50	230	MIN. 50Hz 198V				3,2					
		50	240					3,0					
RXM20N5V1B9	FTXM20R5V1B	50	220	MAX. 50Hz 264V	8,93	10	32,5	1,7	0,048	0,320	0,029	0,30	
		50	230	MIN. 50Hz 198V				1,6					
		50	240					1,6					
RXM25N5V1B9	FTXM25R5V1B	50	220	MAX. 50Hz 264V	9,71	13	46,0	2,3	0,040	0,280	0,025	0,30	
		50	230	MIN. 50Hz 198V				2,2					
		50	240					2,1					
RXM35N5V1B9	FTXM35R5V1B	50	220	MAX. 50Hz 264V	9,76	13	60,0	3,3	0,048	0,320	0,030	0,30	
		50	230	MIN. 50Hz 198V				3,2					
		50	240					3,0					
ARXM25N5V1B9	ATXM25R5V1B	50	220	MAX. 50Hz 264V	9,71	13	46,0	2,3	0,040	0,280	0,025	0,30	
		50	230	MIN. 50Hz 198V				2,2					
		50	240					2,1					
ARXM35N5V1B9	ATXM35R5V1B	50	220	MAX. 50Hz 264V	9,76	13	60,0	3,3	0,048	0,320	0,030	0,30	
		50	230	MIN. 50Hz 198V				3,2					
		50	240					3,0					
RXM20R5V1B	FTXM20N2V1B	50	220	MAX. 50Hz 264V	8,84	10	35,0	2,0	0,048	0,320	0,022	0,22	
		50	230	MIN. 50Hz 198V				2,1					
		50	240					2,2					
RXM25R5V1B	FTXM25N2V1B	50	220	MAX. 50Hz 264V	9,63	13	46,0	2,6	0,040	0,280	0,022	0,22	
		50	230	MIN. 50Hz 198V				2,7					
		50	240					2,8					
RXM35R5V1B	FTXM35N2V1B	50	220	MAX. 50Hz 264V	9,70	13	60,0	4,2	0,048	0,320	0,027	0,25	
		50	230	MIN. 50Hz 198V				4,4					
		50	240					4,6					
ARXM25R5V1B	ATXM25N2V1B	50	220	MAX. 50Hz 264V	9,63	13	46,0	2,6	0,040	0,280	0,022	0,22	
		50	230	MIN. 50Hz 198V				2,7					
		50	240					2,8					
ARXM35R5V1B	ATXM35N2V1B	50	220	MAX. 50Hz 264V	9,70	13	60,0	4,2	0,048	0,320	0,027	0,25	
		50	230	MIN. 50Hz 198V				4,4					
		50	240					4,6					

#### Symbols

MCA: Minimum Circuit Ampere [A]  
MFA: Maximum Fuse Ampere [A]  
RLA: Rated load amps [A]  
OFM: Outdoor fan motor  
IFM: Indoor fan motor  
FLA: Full load amps [A]  
kW: Fan motor rated output [kW]  
RHz: Rated operating frequency [Hz]

#### Notes

- 1) The "RLA" is based on the following conditions.  
Outdoor temperature :35.°C DB  
Indoor temperature :27.°C DB / :19.°C WB
- 2) Select the wire size according to the MCA.
- 3) The maximum allowable voltage that is unbalanced between phases is :2%.
- 4) Use a circuit breaker instead of a fuse.

4D130653



# 3 Electrical data

## 3 - 1 Electrical Data

### RXM20-42R

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Indoor unit	Outdoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RXM20R5V1B	FTXM20R2V1B	50	220	Maximum ·50-Hz ·264-V Minimum ·50-Hz ·198-V	8,93	10	32,5	1,7	0,048	0,320	0,029	0,30
		50	230					1,6				
		50	240					1,6				
RXM25R5V1B	FTXM25R2V1B	50	220	Maximum ·50-Hz ·264-V Minimum ·50-Hz ·198-V	9,71	13	46,0	2,3	0,040	0,280	0,025	0,30
		50	230					2,2				
		50	240					2,1				
RXM25R5V1B	FFA25A2VEB9	50	220	Maximum ·50-Hz ·264-V Minimum ·50-Hz ·198-V	10,79	13	40,0	2,3	0,040	0,280	0,050	0,20
		50	230					2,5				
		50	240					2,6				
RXM25R5V1B	FDXM25F3V1B9	50	220	Maximum ·50-Hz ·264-V Minimum ·50-Hz ·198-V	10,92	13	39,0	2,1	0,040	0,280	0,034	0,30
		50	230					2,2				
		50	240					2,3				
RXM25R5V1B	FNA25A2VEB9	50	220	Maximum ·50-Hz ·264-V Minimum ·50-Hz ·198-V	11,17	13	43,0	2,3	0,040	0,280	0,034	0,50
		50	230					2,4				
		50	240					2,5				
RXM35R5V1B	FTXM35R2V1B	50	220	Maximum ·50-Hz ·264-V Minimum ·50-Hz ·198-V	9,76	13	60,0	3,3	0,048	0,320	0,030	0,30
		50	230					3,2				
		50	240					3,0				
RXM35R5V1B	FCAG35BVEB	50	220	Maximum ·50-Hz ·264-V Minimum ·50-Hz ·198-V	10,92	13	63,0	3,6	0,048	0,320	0,048	0,30
		50	230					3,8				
		50	240					4,0				
RXM35R5V1B	FBA35A2VEB9	50	220	Maximum ·50-Hz ·264-V Minimum ·50-Hz ·198-V	12,29	13	56,0	3,3	0,048	0,320	0,089	1,40
		50	230					3,5				
		50	240					3,6				
RXM35R5V1B	FHA35AVEB9	50	220	Maximum ·50-Hz ·264-V Minimum ·50-Hz ·198-V	11,29	13	64,0	3,8	0,048	0,320	0,090	0,60
		50	230					4,0				
		50	240					4,2				
RXM35R5V1B	FFA35A2VEB9	50	220	Maximum ·50-Hz ·264-V Minimum ·50-Hz ·198-V	10,79	13	64,0	3,6	0,048	0,320	0,050	0,20
		50	230					3,8				
		50	240					4,0				
RXM35R5V1B	FDXM35F3V1B9	50	220	Maximum ·50-Hz ·264-V Minimum ·50-Hz ·198-V	10,92	13	65,0	3,6	0,048	0,320	0,034	0,30
		50	230					3,8				
		50	240					3,9				
RXM35R5V1B	FNA35A2VEB9	50	220	Maximum ·50-Hz ·264-V Minimum ·50-Hz ·198-V	11,17	13	65,0	3,6	0,048	0,320	0,034	0,50
		50	230					3,8				
		50	240					3,9				
ARXM25R5V1B	ATXM25R2V1B	50	220	Maximum ·50-Hz ·264-V Minimum ·50-Hz ·198-V	9,71	13	46,0	2,3	0,040	0,280	0,025	0,30
		50	230					2,2				
		50	240					2,1				
ARXM35R5V1B	ATXM35R2V1B	50	220	Maximum ·50-Hz ·264-V Minimum ·50-Hz ·198-V	9,76	13	60,0	3,3	0,048	0,320	0,030	0,30
		50	230					3,2				
		50	240					3,0				
RXM42R2V1B	FTXM42R2V1B	50	220	Maximum ·50-Hz ·264-V Minimum ·50-Hz ·198-V	10,36	13	47,5	4,3	0,056	0,370	0,034	0,30
		50	230					4,1				
		50	240					4,0				
RXM20R5V1B	FTXM20R5V1B	50	220	Maximum ·50-Hz ·264-V Minimum ·50-Hz ·198-V	8,93	10	32,5	1,7	0,048	0,320	0,029	0,30
		50	230					1,6				
		50	240					1,6				
RXM25R5V1B	FTXM25R5V1B	50	220	Maximum ·50-Hz ·264-V Minimum ·50-Hz ·198-V	9,71	13	46,0	2,3	0,040	0,280	0,025	0,30
		50	230					2,2				
		50	240					2,1				
RXM35R5V1B	FTXM35R5V1B	50	220	Maximum ·50-Hz ·264-V Minimum ·50-Hz ·198-V	9,76	13	60,0	3,3	0,048	0,320	0,030	0,30
		50	230					3,2				
		50	240					3,0				
RXM42R2V1B	FTXM42R5V1B	50	220	Maximum ·50-Hz ·264-V Minimum ·50-Hz ·198-V	10,36	13	47,5	4,3	0,056	0,370	0,034	0,30
		50	230					4,1				
		50	240					4,0				
ARXM25R5V1B	ATXM25R5V1B	50	220	Maximum ·50-Hz ·264-V Minimum ·50-Hz ·198-V	9,71	13	46,0	2,3	0,040	0,280	0,025	0,30
		50	230					2,2				
		50	240					2,1				
ARXM35R5V1B	ATXM35R5V1B	50	220	Maximum ·50-Hz ·264-V Minimum ·50-Hz ·198-V	9,76	13	60,0	3,3	0,048	0,320	0,030	0,30
		50	230					3,2				
		50	240					3,0				
RXM25R5V1B	FVXM25A2V1B	50	220	Maximum ·50-Hz ·264-V Minimum ·50-Hz ·198-V	9,54	13	41,0	2,6	0,040	0,280	0,037	0,14
		50	230					2,5				
		50	240					2,4				
RXM35R5V1B	FVXM35A2V1B	50	220	Maximum ·50-Hz ·264-V Minimum ·50-Hz ·198-V	9,58	13	62,0	3,8	0,048	0,320	0,037	0,14
		50	230					3,7				
		50	240					3,6				

#### Symbols

MCA: Minimum Circuit Ampere [A]

MFA: Maximum Fuse Ampere [A]

RLA: Rated load amps [A]

OFM: Outdoor fan motor

IFM: Indoor fan motor

RHz: Rated operating frequency [Hz]

FLA: Full Load Ampere [A]

kW: Fan motor rated output [kW]

**4D130519B**

The ·RLA· is based on the following conditions.

Outdoor temperature ·35·°C DB

Indoor temperature ·27·°C DB / ·19·°C WB

Select the wire size according to the MCA.

The maximum allowable voltage that is unbalanced between phases is ·2·%.

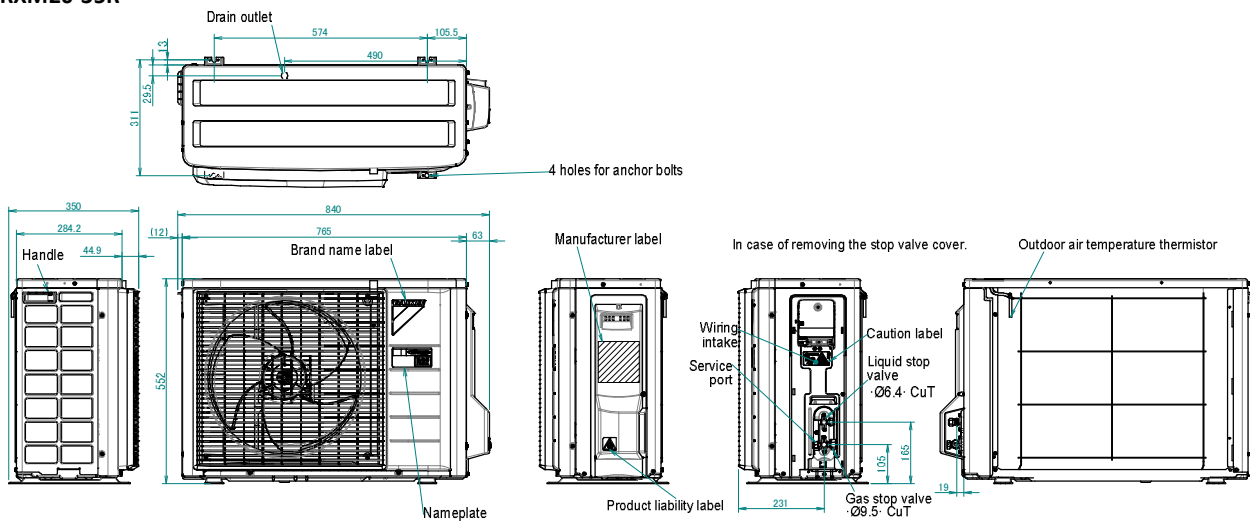
Use a circuit breaker instead of a fuse.



## 6 Dimensional drawings

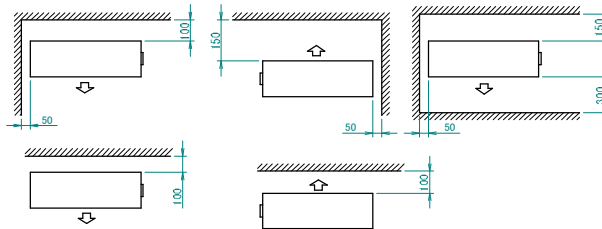
### 6 - 1 Dimensional Drawings

#### RXM20-35R



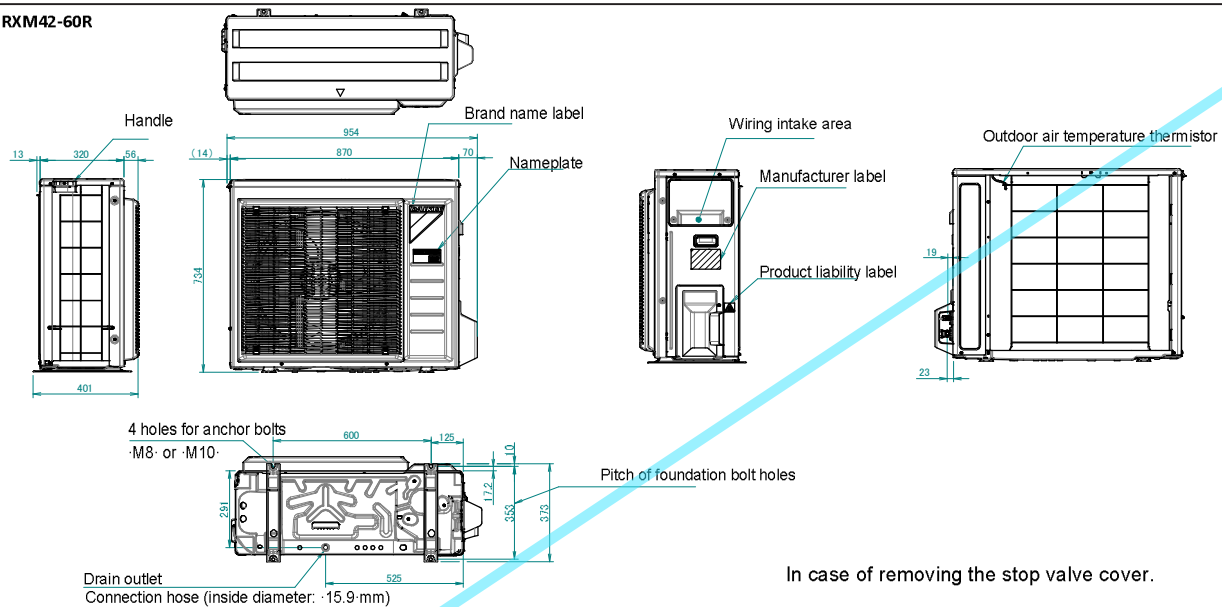
#### Minimum space for air passage

Wall height on air outlet side < 1200 mm



3D119881A

#### RXM42-60R



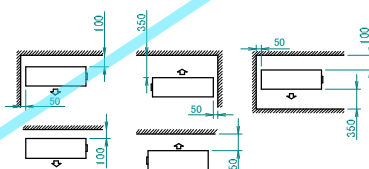
#### 4 holes for anchor bolts

·M8· or ·M10·

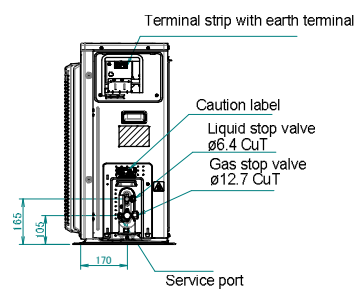
Drain outlet  
Connection hose (inside diameter: ·15.9 mm)

#### Minimum space for air passage

Wall height on air outlet side < 1200 mm



#### In case of removing the stop valve cover.



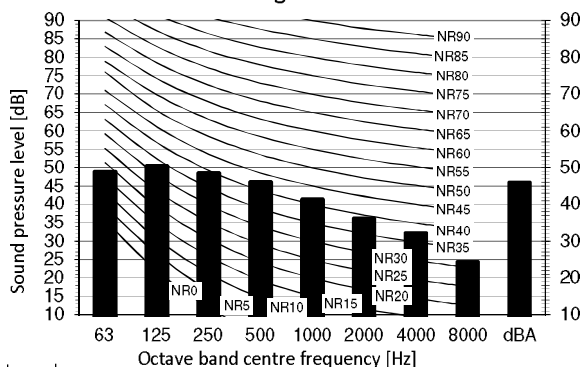
3D114108B

# 9 Sound data

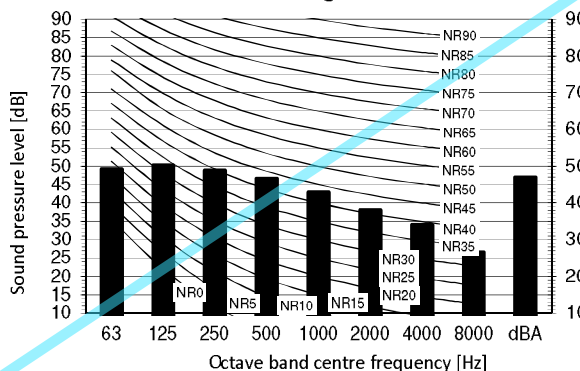
## 9 - 1 Sound Pressure Spectrum

RXM20R

Cooling mode



Heating mode

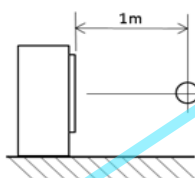


Legend

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

- A Scale
- B Fan speed: High

Location of microphone



Cooling

Total dB

A	B
dBA	46

Heating

Total dB

A	B
dBA	47

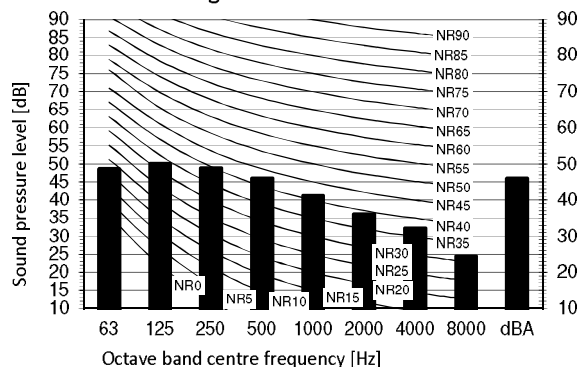
Notes

1. Background noise already taken into account.
2. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
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

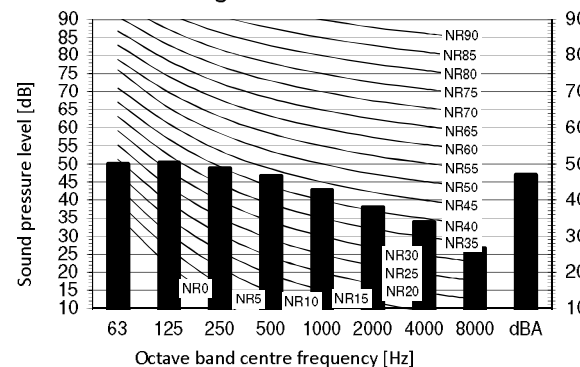
3D110121A

RXM25R

Cooling mode



Heating mode

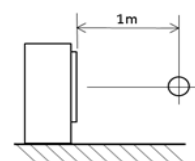


Legend

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

- A Scale
- B Fan speed: High

Location of microphone



Notes

1. Background noise already taken into account.
2. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
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
dBA	46

Heating

Total dB

A	B
dBA	47

3D110122A

# 1 Features

1 - 1 FTXM-R

Attractive, wall mounted design with perfect indoor air quality

1

- › Seasonal efficiency values up to 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)
- › 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
- › Silver allergen removal and air purifying filter captures allergens such as pollen to ensure a steady supply of clean air
- › Daikin Residential controller: control your indoor from any location with an app, via your local network or internet.
- › Voice command via Amazon Alexa or Google Assistant to control main functions such as set point, operation mode, fan speed, etc
- › Quiet operation: down to 19dBA sound pressure level
- › 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
- › 2-area motion detection sensor: 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. (larger capacity area)



Practically inaudible



Heat boost



Daikin Residential Controller



Econo mode



2 area motion detection sensor



Energy saving during standby mode



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



Silver allergen removal and air purifying filter



Flash Streamer



Titanium apatite deodorising filter



Air filter



Weekly timer



24 hour timer



Infrared remote control



Wired remote control

# 1 Features

1 - 1 FTXM-R

63.N1



Centralised control



Auto-restart



Self diagnosis



Multi model application

1

# 2 Specifications

1 - 1 FTXM-R

63.N5

Technical specifications					FTXM20R		FTXM20R		FTXM25R	FTXM25R	FTXM35R	FTXM35R					
Power input	Cooling	Nom.		kW	0.029				0.025		0.030						
	Heating	Nom.		kW	0.023				0.022		0.027						
Casing	Colour				White												
Dimensions	Unit	Height		mm	295												
		Width		mm	778												
		Depth		mm	272												
	Packed unit	Height		mm	350												
		Width		mm	865												
		Depth		mm	375												
Weight	Unit		kg	10.0													
	Packed unit		kg	12.0													
Packing	Weight		kg	2.0													
Heat exchanger	Length		mm	610													
	Rows	Quantity		2													
	Fin pitch		mm	1.4													
	Stages	Quantity		18													
	Passes	Quantity		2.2				3.0									
	Tube type				ø5 Hi-XB												
	Fin	Type				ML fin (Multi louver)											
	Heat exchanger 2	Length		mm	600												
Rows		Quantity		1													
Fin pitch			mm	1.4													
Stages		Quantity		8													
Heat exchanger 3	Length		mm	-				600									
	Rows	Quantity		-				1									
	Fin pitch		mm	-				1.4									
	Stages	Quantity		-				4									
Fan	Type				Cross flow fan												
	Air flow rate	Cooling	High	m³/min	10.5												
				cfm	370												
			Medium	m³/min	7.5				7.6								
				cfm	264				267								
			Low	m³/min	5.7												
		cfm		200				202									
		Silent operation	m³/min	4.3				4.1									
			cfm	151				146									
			Fan	Air flow rate	Heating	High	m³/min	9.3				9.8					
cfm							329				345						
Medium	m³/min					8.2				8.0							
	cfm	288						283									
Low	m³/min	6.2						6.3									
	cfm	220				222											
Fan motor	Model	Speed	Cooling	High	m³/min	9.3				9.8							
					cfm	329				345							
					Medium	m³/min	8.2				8.0						
						cfm	288				283						
				Low	m³/min	6.2				6.3							
					cfm	220				222							
					Silent operation	m³/min	5.1				4.9						
						cfm	179				174						
Fan motor	Model	Speed	Cooling	High	m³/min	9.3				9.8							
					cfm	329				345							
					Medium	m³/min	8.2				8.0						
						cfm	288				283						
				Low	m³/min	6.2				6.3							
					cfm	220				222							
					Silent operation	m³/min	5.1				4.9						
						cfm	179				174						
				Fan motor	Model	Speed	Cooling	High	m³/min	9.3				9.8			
									cfm	329				345			
Medium	m³/min	8.2									8.0						
	cfm	288									283						
Low	m³/min	6.2								6.3							
	cfm	220								222							
	Silent operation	m³/min	5.1							4.9							
		cfm	179							174							
Fan motor	Model	Speed	Cooling					High	m³/min	9.3				9.8			
									cfm	329				345			
				Medium	m³/min	8.2					8.0						
					cfm	288					283						
				Low	m³/min	6.2				6.3							
					cfm	220				222							
					Silent operation	m³/min	5.1				4.9						
						cfm	179				174						
				Fan motor	Model	Speed	Cooling	High	m³/min	9.3				9.8			
									cfm	329				345			
Medium	m³/min	8.2									8.0						
	cfm	288									283						
Low	m³/min	6.2								6.3							
	cfm	220								222							
	Silent operation	m³/min	5.1							4.9							
		cfm	179							174							
Fan motor	Model	Speed	Cooling					High	m³/min	9.3				9.8			
									cfm	329				345			
				Medium	m³/min	8.2					8.0						
					cfm	288					283						
				Low	m³/min	6.2				6.3							
					cfm	220				222							
					Silent operation	m³/min	5.1				4.9						
						cfm	179				174						
				Fan motor	Model	Speed	Cooling	High	m³/min	9.3				9.8			
									cfm	329				345			
Medium	m³/min	8.2									8.0						
	cfm	288									283						
Low	m³/min	6.2								6.3							
	cfm	220								222							
	Silent operation	m³/min	5.1							4.9							
		cfm	179							174							
Fan motor	Model	Speed	Cooling					High	m³/min	9.3				9.8			
									cfm	329				345			
				Medium	m³/min	8.2					8.0						
					cfm	288					283						
				Low	m³/min	6.2				6.3							
					cfm	220				222							
					Silent operation	m³/min	5.1				4.9						
						cfm	179				174						
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					cfm												

# 2 Specifications

1 - 1 FTXM-R

63..N1

Technical specifications					FTXM20R	FTXM20R	FTXM25R	FTXM25R	FTXM35R	FTXM35R		
Temperature control					Microcomputer control							
Control systems	Infrared remote control				ARC466A67							
	Wired remote control				BRC073A1							
Technical specifications					FTXM42R		FTXM42R	FTXM50R	FTXM60R	FTXM71R		
Power input	Cooling	Nom.		kW	0.034			0.030	0.032	0.054		
	Heating	Nom.		kW	0.038			0.032	0.035	0.060		
Casing	Colour				White							
Dimensions	Unit	Height		mm	295			299				
		Width		mm	778			998				
		Depth		mm	272			292				
	Packed unit	Height		mm	350			397				
		Width		mm	865			1,115				
		Depth		mm	375			377				
Weight	Unit		kg	10.0			14.5					
Packing	Packed unit			kg	12.0			17				
	Weight			kg	2.0			3				
Heat exchanger	Length			mm	610			820				
	Rows	Quantity			2							
	Fin pitch			mm	1.4							
	Stages	Quantity			18							
	Passes	Quantity			3.0		6		4			
	Tube type				ø5 Hi-XB							
	Fin Type				ML fin (Multi louver)							
	Heat exchanger 2	Length			mm	600			810			
Rows		Quantity			1							
Fin pitch			mm	1.4								
Stages		Quantity			8							
Heat exchanger 3	Length			mm	600			810				
	Rows	Quantity			1							
	Fin pitch			mm	1.4							
	Stages	Quantity			4							
Fan	Type				Cross flow fan							
	Air flow rate	Cooling	High	m³/min	11.9	15.8		16.7		16.9		
				cfm	421	557		591	598			
			Medium	m³/min	9.0	14			15			
				cfm	316	489		503	516			
		Low	m³/min	6.5	11.4		11.8		12.2			
			cfm	230	404		417	430				
		Silent operation	m³/min	4.3	8.3		9.1		10.0			
			cfm	150	291		322	353				
	Fan	Air flow rate	Heating	High	m³/min	12.4	15.8		16.5		17.7	
cfm					439	557		584	626			
Medium				m³/min	9.7	14.2		15.2		15.8		
				cfm	341	503		536	557			
Low			m³/min	6.5	12.0		12.4		12.7			
			cfm	230	423		436	449				
Silent operation			m³/min	4.9	10.5		11.1		11.6			
			cfm	174	372		391	410				
Fan motor			Model				MM6K11Y32VA		MM9E17Y33VA			
			Speed	Steps			5 + silent, + auto		5 + silent, + auto			
	Cooling	High		rpm	1,190	1,010		1,060		1,080		
				rpm	940	910		930	950			
		Low		rpm	730	780		800		820		
				Silent operation	rpm	530	600		650		700	
	Heating	High		rpm	1,230	1,010		1,050		1,120		
				rpm	1,000	930		980		1,010		
		Low		rpm	730	810		830		850		
			Silent operation	rpm	590	730		760		790		
	Output	Nominal		W	-	46				52		
		Rated		W	22	-						
Sound power level	Cooling			dB(A)	60	58.0		60.0				
Sound pressure level	Heating			dB(A)	60	58.0		59.0		61.0		
		Cooling	High	dB(A)	45	44.0		46.0		47.0		
	Medium		dB(A)	39	40.0		42.0		43.0			
	Low		dB(A)	30	36.0		37.0		38.0			
	Silent operation		dB(A)	21	27.0		30.0		32.0			
	Heating	High	dB(A)	45	43.0		45.0		46.0			
		Medium	dB(A)	39		41.0		42.0				
		Low	dB(A)	29		36.0		37.0				
	Silent operation	dB(A)	21		31.0		33.0		34.0			
Refrigerant	Type				R-32							

