

Air Conditioning Technical Data RXM-A8

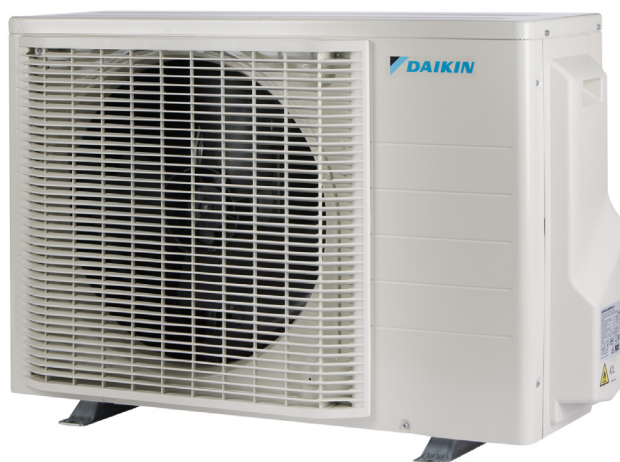


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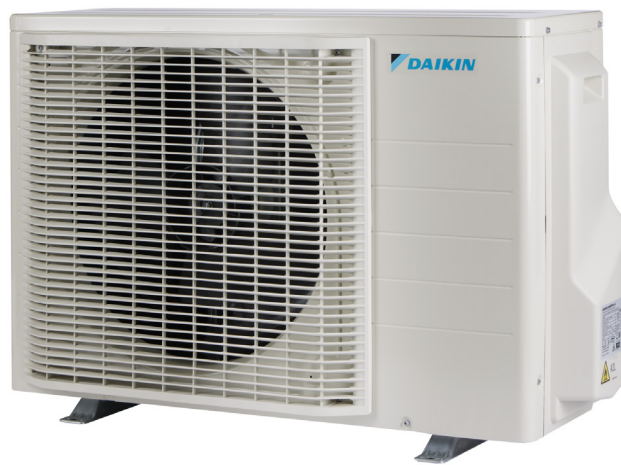
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1 Features

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- › 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
- › Anti-corrosion treated outdoor heat exchanger fin
- › Outdoor units are fitted with a swing compressor, renowned for its low noise and high energy efficiency
- › Outdoor units for pair application
- › Daikin outdoor units are neat, sturdy and can easily be mounted on a roof or terrace or simply placed against an outside wall



Outdoor
unit silent
operation

2 Specifications

2 - 1 Specifications

Technical specifications				FBA50A9 + RXM50A8
Cooling capacity	Nom.		kW	5
	Nom.		Btu/h	17,100
	Nom.		kcal/h	4,299
Heating capacity	Nom.		kW	5.5
	Nom.		Btu/h	18,800
	Nom.		kcal/h	4,729
Power input	Cooling	Nom.	kW	1.46
	Heating	Nom.	kW	1.48
Nominal efficiency	EER			3.42
	COP			3.71
	Annual energy consumption		kWh	731
	Energy labeling	Cooling		A
		Heating		A
	Directive			
Space cooling	Energy efficiency class			A++
	Capacity	Pdesign	kW	5
	SEER			6.1
	Annual energy consumption		kWh/a	287
Space heating (Average climate)	Capacity	Pdesign	kW	4.4
	Energy efficiency class			A+
	SCOP/A			4.02
	SCOPnet/A			4.07
	Pdh Heating capacity at -10°		kW	3.46
	Annual energy consumption		kWh/a	1,532
	Required back up heating cap at design conditions		kW	0.94
Space heating (Warm climate)	Capacity	Pdesignh	kW	2.37
	Energy efficiency class			A++
	SCOP			4.62
	SCOPnet			4.77
	Annual energy consumption		kWh/a	718
	Required back up heating cap at design conditions		kW	0
Space cooling	A Condition	Pdc	kW	5
	(35°C - 27/19)	EERd		3.42
		Power input	kW	1.46
	B Condition	Pdc	kW	3.69
	(30°C - 27/19)	EERd		5.58
		Power input	kW	0.66
Space cooling	C Condition	Pdc	kW	2.37
	(25°C - 27/19)	EERd		7.93
		Power input	kW	0.3
	D Condition	Pdc	kW	1.82
	(20°C - 27/19)	EERd		9.93
		Power input	kW	0.18
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-15
	TBivalent	Tbiv (bivalent temperature)	°C	-7
		Pdh (declared heating cap)	kW	3.9
		COPd (declared COP)		3.05
		Power input	kW	1.28
	A Condition	Pdh (declared heating cap)	kW	3.9
	(-7°C)	COPd (declared COP)		3.05
		Power input	kW	1.28
	B Condition	Pdh (declared heating cap)	kW	2.37
	(2°C)	COPd (declared COP)		4
		Power input	kW	0.59
	C Condition	Pdh (declared heating cap)	kW	1.53
	(7°C)	COPd (declared COP)		4.81
		Power input	kW	0.32
	D Condition	Pdh (declared heating cap)	kW	1.55
	(12°C)	COPd (declared COP)		5.65
		Power input	kW	0.27
	E condition	Pdh (declared heating cap)	kW	3.46
	(-10°C)	COPd (declared COP)		2.87
		Power input	kW	1.21

2 Specifications

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Technical specifications					FBA50A9 + RXM50A8
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15
	TBivalent	Tbiv (bivalent temperature)		°C	2
		Pdh (declared heating cap)		kW	2.37
		COPd (declared COP)			4
		Power input		kW	0.59
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.37
		COPd (declared COP)			4
		Power input		kW	0.59
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.53
		COPd (declared COP)			4.81
		Power input		kW	0.32
Space heating (Warm climate)	D Condition (12°C)	Pdh (declared heating cap)		kW	1.55
		COPd (declared COP)			5.65
		Power input		kW	0.27
	E condition (2°C)	Pdh (declared heating cap)		kW	2.37
		COPd (declared COP)			4
		Power input		kW	0.59
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0
	Off mode	POFF		W	11
	Standby mode	Cooling	PSB	W	11
		Heating	PSB	W	11
	Thermo-stat-off mode	PTO	Cooling	W	33
			Heating	W	30
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	Piping length	Cooling	Measuring condition	m	5

Electrical specifications				FBA50A9 + RXM50A8
Power factor	Nominal	Cooling	%	98.73
		Heating	%	98.78
Current	Nominal running current (RLA)	Cooling	A	6.5
		Heating	A	6.6
	Nominal running current (RLA) - 50Hz			
Current - 50Hz	Maximum fuse amps (MFA)			13

Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. |
 Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. |
 See separate drawing for operation range |
 See separate drawing for electrical data

Technical specifications				FCA650B + RXM50A8
Cooling capacity	Nom.		kW	5
	Nom.		Btu/h	17,100
	Nom.		kcal/h	4,299
Heating capacity	Nom.		kW	6
	Nom.		Btu/h	20,500
	Nom.		kcal/h	5,159
Power input	Cooling	Nom.	kW	1.45
	Heating	Nom.	kW	1.68
Nominal efficiency	EER			3.45
	COP			3.57
	Annual energy consumption			725
	Energy labeling	Cooling		A
	labeling	Heating		B
	Directive			
Space cooling	Energy efficiency class			A++
	Capacity	Pdesign	kW	5
	SEER			6.46
	Annual energy consumption			271

2 Specifications

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Technical specifications				FCAG50B + RXM50A8
Space heating (Average climate)	Capacity	Pdesign	kW	4.36
	Energy efficiency class			A+
	SCOP/A			4.26
	SCOPnet/A			4.31
	Pdh Heating capacity at -10°		kW	3.39
	Annual energy consumption		kWh/a	1,433
Space heating (Warm climate)	Required back up heating cap at design conditions		kW	0.97
	Capacity	Pdesignh	kW	2.35
	Energy efficiency class			A++
	SCOP			5.22
	SCOPnet			5.34
	Annual energy consumption		kWh/a	630
Space cooling	Required back up heating cap at design conditions		kW	0
	A Condition	Pdc	kW	5
	(35°C - 27/19)	EERd		3.45
		Power input	kW	1.45
	B Condition	Pdc	kW	3.69
	(30°C - 27/19)	EERd		5.05
Space cooling		Power input	kW	0.73
	C Condition	Pdc	kW	2.37
	(25°C - 27/19)	EERd		8.89
		Power input	kW	0.27
	D Condition	Pdc	kW	1.82
	(20°C - 27/19)	EERd		11.1
Space heating (Average climate)		Power input	kW	0.16
	TOL	Tol (temperature operating limit)	°C	-15
	TBivalent	Tbiv (bivalent temperature)	°C	-7
		Pdh (declared heating cap)	kW	3.86
		COPd (declared COP)		2.79
		Power input	kW	1.38
	A Condition (-7°C)	Pdh (declared heating cap)	kW	3.86
		COPd (declared COP)		2.79
		Power input	kW	1.38
	B Condition (2°C)	Pdh (declared heating cap)	kW	2.35
		COPd (declared COP)		4.34
		Power input	kW	0.54
	C Condition (7°C)	Pdh (declared heating cap)	kW	1.51
		COPd (declared COP)		5.29
		Power input	kW	0.29
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.53
		COPd (declared COP)		6.45
		Power input	kW	0.24
	E condition (-10°C)	Pdh (declared heating cap)	kW	3.39
		COPd (declared COP)		2.57
		Power input	kW	1.32
Space heating (Warm climate)	TOL	Tol (temperature operating limit)	°C	-15
	TBivalent	Tbiv (bivalent temperature)	°C	2
		Pdh (declared heating cap)	kW	2.35
		COPd (declared COP)		4.34
		Power input	kW	0.54
	B Condition (2°C)	Pdh (declared heating cap)	kW	2.35
		COPd (declared COP)		4.34
		Power input	kW	0.54
	C Condition (7°C)	Pdh (declared heating cap)	kW	1.51
		COPd (declared COP)		5.29
		Power input	kW	0.29
Space heating (Warm climate)	D Condition (12°C)	Pdh (declared heating cap)	kW	1.53
		COPd (declared COP)		6.45
		Power input	kW	0.24
	E condition (2°C)	Pdh (declared heating cap)	kW	2.35
		COPd (declared COP)		4.34
Power consumption in other than active mode		Power input	kW	0.54
	Crankcase heater mode	PCK	W	0
	Off mode	POFF	W	10
	Standby mode	Cooling	PSB	10
		Heating	PSB	10
	Thermo-stat-off mode	PTO	Cooling	15
			Heating	19
Cooling	Cdc (Degradation cooling)			0.25
Heating	Cdh (Degradation heating)			0.25

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Technical specifications					FCAG50B + RXM50A8
Cooling function included					Yes
Heating function included					Yes
Average climate included					Yes
Cold season included					No
Warm season included					Yes
Eurovent	Piping length	Cooling	Measuring condition	m	5

Electrical specifications					FCAG50B + RXM50A8
Power factor	Nominal	Cooling	%		98.67
		Heating	%		99.02
Current	Nominal running current (RLA)	Cooling	A		6.4
	Nominal running current (RLA) - 50Hz	Heating	A		7.4
Current - 50Hz	Maximum fuse amps (MFA)		A		13

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

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

See separate drawing for operation range |

See separate drawing for electrical data

Technical specifications					FDXM50F9 + RXM50A8
Cooling capacity	Nom.		kW		5
	Nom.		Btu/h		17,100
	Nom.		kcal/h		4,299
Heating capacity	Nom.		kW		5.8
	Nom.		Btu/h		19,800
	Nom.		kcal/h		4,987
Power input	Cooling	Nom.	kW		1.67
	Heating	Nom.	kW		1.94
Nominal efficiency	EER				3
	COP				2.99
	Annual energy consumption		kWh		833
	Energy labeling	Cooling			C
	Directive	Heating			D
Space cooling	Energy efficiency class				A+
	Capacity	Pdesign	kW		5
	SEER				5.7
	Annual energy consumption		kWh/a		307
Space heating (Average climate)	Capacity	Pdesign	kW		4
	Energy efficiency class				A
	SCOP/A				3.89
	SCOPnet/A				3.95
	Pdh Heating capacity at -10°		kW		3.11
	Annual energy consumption		kWh/a		1,440
	Required back up heating cap at design conditions		kW		0.89
Space heating (Warm climate)	Capacity	Pdesignh	kW		2.16
	Energy efficiency class				A+
	SCOP				4.31
	SCOPnet				4.55
	Annual energy consumption		kWh/a		702
	Required back up heating cap at design conditions		kW		0
Space cooling	A Condition	Pdc	kW		5
	(35°C - 27/19)	EERd			3
		Power input	kW		1.67
	B Condition	Pdc	kW		3.69
	(30°C - 27/19)	EERd			4.8
		Power input	kW		0.77
Space cooling	C Condition	Pdc	kW		2.37
	(25°C - 27/19)	EERd			7.33
		Power input	kW		0.32
	D Condition	Pdc	kW		1.8
	(20°C - 27/19)	EERd			9.91
		Power input	kW		0.18

2 Specifications

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Technical specifications				FDXM50F9 + RXM50A8
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-15
	TBivalent	Tbiv (bivalent temperature)	°C	-7
		Pdh (declared heating cap)	kW	3.54
		COPd (declared COP)		2.88
		Power input	kW	1.23
	A Condition (-7°C)	Pdh (declared heating cap)	kW	3.54
		COPd (declared COP)		2.88
		Power input	kW	1.23
	B Condition (2°C)	Pdh (declared heating cap)	kW	2.16
		COPd (declared COP)		3.99
		Power input	kW	0.54
	C Condition (7°C)	Pdh (declared heating cap)	kW	1.39
		COPd (declared COP)		4.52
		Power input	kW	0.31
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.56
		COPd (declared COP)		5.49
		Power input	kW	0.28
Space heating (Warm climate)	TBivalent	Pdh (declared heating cap)	kW	3.11
		COPd (declared COP)		2.68
		Power input	kW	1.16
		Tol (temperature operating limit)	°C	-15
	B Condition (2°C)	Tbiv (bivalent temperature)	°C	2
		Pdh (declared heating cap)	kW	2.16
		COPd (declared COP)		3.99
		Power input	kW	0.54
	C Condition (7°C)	Pdh (declared heating cap)	kW	2.16
		COPd (declared COP)		3.99
		Power input	kW	0.54
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.39
		COPd (declared COP)		4.52
		Power input	kW	0.31
Space heating (Warm climate)	E condition (2°C)	Pdh (declared heating cap)	kW	1.56
		COPd (declared COP)		5.49
		Power input	kW	0.28
	E condition (2°C)	Pdh (declared heating cap)	kW	2.16
		COPd (declared COP)		3.99
Power consumption in other than active mode	Crankcase heater mode	PCK	W	0
		POFF	W	8
	Standby mode	Cooling PSB	W	8
		Heating PSB	W	8
	Thermo-stat-off mode	PTO Cooling	W	45
Cooling	Cdc (Degradation cooling)	Heating	W	50
		Cdh (Degradation heating)		0.25
Heating				0.25
Cooling function included				Yes
Heating function included				Yes
Average climate included				Yes
Cold season included				No
Warm season included				Yes
Eurovent	Piping length	Cooling	Measuring condition m	5

Electrical specifications				FDXM50F9 + RXM50A8
Power factor	Nominal	Cooling	%	98.67
		Heating	%	99.02
Current	Nominal running current (RLA)	Cooling	A	7.4
	Nominal running current (RLA) - 50Hz	Heating	A	8.6
Current - 50Hz	Maximum fuse amps (MFA)		A	13

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

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

See separate drawing for operation range |

See separate drawing for electrical data

Technical specifications				FFA50A9 + RXM50A8
Cooling capacity	Nom.		kW	5
	Nom.		Btu/h	17,100
	Nom.		kcal/h	4,299

2 Specifications

2 - 1 Specifications

Technical specifications				FFA50A9 + RXM50A8	
Heating capacity	Nom.		kW	5.8	
	Nom.		Btu/h	19,800	
	Nom.		kcal/h	4,987	
Power input	Cooling	Nom.	kW	1.6	
	Heating	Nom.	kW	1.73	
Nominal efficiency	EER			3.13	
	COP			3.36	
	Annual energy consumption			799 kWh	
	Energy labeling	Cooling		B	
	Energy labeling	Heating		C	
Space cooling	Directive				
	Energy efficiency class			A+	
	Capacity	Pdesign	kW	5	
	SEER			5.9	
Space heating (Average climate)	Annual energy consumption			297 kWh/a	
	Capacity	Pdesign	kW	3.84	
	Energy efficiency class			A	
	SCOP/A			3.86	
	SCOPnet/A			3.9	
	Pd _h Heating capacity at -10°			2.97 kW	
	Annual energy consumption			1,393 kWh/a	
	Required back up heating cap at design conditions			0.87 kW	
	Space heating (Warm climate)	Capacity	Pdesign _h	kW	2.07
Energy efficiency class			A++		
SCOP			4.65		
SCOPnet			4.78		
Annual energy consumption			623 kWh/a		
Required back up heating cap at design conditions			0 kW		
Space cooling	A Condition	P _{dc}	kW	5	
	(35°C - 27/19)	EER _d		3.13	
		Power input	kW	1.6	
	B Condition	P _{dc}	kW	3.69	
		(30°C - 27/19)	EER _d		4.9
	Power input		kW	0.75	
Space cooling	C Condition	P _{dc}	kW	2.37	
	(25°C - 27/19)	EER _d		7.31	
		Power input	kW	0.32	
	D Condition	P _{dc}	kW	1.82	
		(20°C - 27/19)	EER _d		10.05
	Power input		kW	0.18	
Space heating (Average climate)	TOL	Tol (temperature operating limit)		-15 °C	
	TBivalent	T _{biv} (bivalent temperature)		-7 °C	
		Pd _h (declared heating cap)		3.4 kW	
		COP _d (declared COP)		2.6	
		Power input		1.31 kW	
	A Condition (-7°C)	Pd _h (declared heating cap)		3.4 kW	
		COP _d (declared COP)		2.6	
		Power input		1.31 kW	
	B Condition (2°C)	Pd _h (declared heating cap)		2.07 kW	
		COP _d (declared COP)		3.94	
		Power input		0.53 kW	
	C Condition (7°C)	Pd _h (declared heating cap)		1.48 kW	
		COP _d (declared COP)		4.79	
		Power input		0.31 kW	
	D Condition (12°C)	Pd _h (declared heating cap)		1.53 kW	
		COP _d (declared COP)		5.9	
		Power input		0.26 kW	
	E condition (-10°C)	Pd _h (declared heating cap)		2.97 kW	
		COP _d (declared COP)		2.4	
		Power input		1.24 kW	
	Space heating (Warm climate)	TOL	Tol (temperature operating limit)		-15 °C
		TBivalent	T _{biv} (bivalent temperature)		2 °C
			Pd _h (declared heating cap)		2.07 kW
			COP _d (declared COP)		3.94
Power input			0.53 kW		
B Condition (2°C)		Pd _h (declared heating cap)		2.07 kW	
		COP _d (declared COP)		3.94	
		Power input		0.53 kW	
C Condition (7°C)		Pd _h (declared heating cap)		1.48 kW	
		COP _d (declared COP)		4.79	
		Power input		0.31 kW	

2 Specifications

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Technical specifications					FFA50A9 + RXM50A8	
Space heating (Warm climate)	D Condition (12°C)	Pdh (declared heating cap)		kW	1.53	
		COPd (declared COP)			5.9	
		Power input		kW	0.26	
	E condition (2°C)	Pdh (declared heating cap)		kW	2.07	
		COPd (declared COP)			3.94	
		Power input		kW	0.53	
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0	
		Off mode		POFF	W	8
	Standby mode	Cooling	PSB	W	8	
		Heating	PSB	W	8	
	Thermo-stat-off mode	PTO	Cooling	W	14	
			Heating	W	21	
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	Piping length	Cooling	Measuring condition	m	5	

Electrical specifications				FFA50A9 + RXM50A8
Power factor	Nominal	Cooling	%	98.67
		Heating	%	99.02
Current	Nominal running current (RLA)	Cooling	A	7.1
	Nominal running current (RLA) - 50Hz	Heating	A	7.6
Current - 50Hz	Maximum fuse amps (MFA)			13

Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. |
 Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. |
 See separate drawing for operation range |
 See separate drawing for electrical data

Technical specifications				FHA50A9 + RXM50A8
Cooling capacity	Nom.		kW	5
	Nom.		Btu/h	17,100
	Nom.		kcal/h	4,299
Heating capacity	Nom.		kW	6
	Nom.		Btu/h	20,500
	Nom.		kcal/h	5,159
Power input	Cooling	Nom.	kW	1.61
	Heating	Nom.	kW	1.86
Nominal efficiency	EER			3.1
	COP			3.23
	Annual energy consumption			806
	Energy labeling Directive	Cooling		B
		Heating		C
Space cooling	Energy efficiency class			A+
	Capacity	Pdesign	kW	5
	SEER			5.84
	Annual energy consumption			300
Space heating (Average climate)	Capacity	Pdesign	kW	4.35
	Energy efficiency class			A
	SCOP/A			3.82
	SCOPnet/A			3.86
	Pdh Heating capacity at -10°			3.55
	Annual energy consumption			1,594
	Required back up heating cap at design conditions			0.8
Space heating (Warm climate)	Capacity	Pdesignh	kW	2.35
	Energy efficiency class			A+ +
	SCOP			4.79
	SCOPnet			4.91
	Annual energy consumption			687
	Required back up heating cap at design conditions			0

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Technical specifications					FHA50A9 + RXM50A8	
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	5		
		EERd		3.1		
		Power input	kW	1.61		
	B Condition (30°C - 27/19)	Pdc	kW	3.69		
		EERd		4.75		
		Power input	kW	0.78		
Space cooling	C Condition (25°C - 27/19)	Pdc	kW	2.37		
		EERd		7.47		
		Power input	kW	0.32		
	D Condition (20°C - 27/19)	Pdc	kW	1.76		
		EERd		9.9		
		Power input	kW	0.18		
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-15	
		TBivalent	Tbiv (bivalent temperature)		°C	-7
	Pdh (declared heating cap)		kW	3.85		
	COPd (declared COP)			2.55		
	Power input		kW	1.51		
	A Condition (-7°C)		Pdh (declared heating cap)		kW	3.85
			COPd (declared COP)			2.55
		Power input		kW	1.51	
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.35	
		COPd (declared COP)			3.82	
		Power input		kW	0.62	
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.51	
		COPd (declared COP)			4.75	
		Power input		kW	0.32	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.46	
		COPd (declared COP)			6.05	
		Power input		kW	0.24	
	E condition (-10°C)	Pdh (declared heating cap)		kW	3.55	
		COPd (declared COP)			2.35	
		Power input		kW	1.51	
	Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15
TBivalent			Tbiv (bivalent temperature)		°C	2
		Pdh (declared heating cap)		kW	2.35	
		COPd (declared COP)			3.82	
		Power input		kW	0.62	
B Condition (2°C)		Pdh (declared heating cap)		kW	2.35	
		COPd (declared COP)			3.82	
		Power input		kW	0.62	
C Condition (7°C)		Pdh (declared heating cap)		kW	1.51	
		COPd (declared COP)			4.75	
		Power input		kW	0.32	
Space heating (Warm climate)		D Condition (12°C)	Pdh (declared heating cap)		kW	1.46
	COPd (declared COP)			6.05		
	Power input		kW	0.24		
	E condition (2°C)	Pdh (declared heating cap)		kW	2.35	
		COPd (declared COP)			3.82	
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0	
		Off mode	POFF	W	8	
	Standby mode	Cooling	PSB	W	8	
		Heating	PSB	W	8	
	Thermo-stat-off mode	PTO	Cooling	W	23	
			Heating	W	23	
	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	Piping length	Cooling	Measuring condition	m	5	

Electrical specifications				FHA50A9 + RXM50A8
Power factor	Nominal	Cooling	%	98.67
		Heating	%	99.02

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Electrical specifications				FHA50A9 + RXM50A8
Current	Nominal running current (RLA)	Cooling	A	7.2
	Nominal running current (RLA) - 50Hz	Heating	A	8.2
Current - 50Hz	Maximum fuse amps (MFA)		A	13

Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. |
 Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. |
 See separate drawing for operation range |
 See separate drawing for electrical data

Technical specifications				FNA50A9 + RXM50A8
Cooling capacity	Nom.		kW	5
	Nom.		Btu/h	17,100
	Nom.		kcal/h	4,299
Heating capacity	Nom.		kW	5.8
	Nom.		Btu/h	19,800
	Nom.		kcal/h	4,987
Power input	Cooling	Nom.	kW	1.53
	Heating	Nom.	kW	1.8
Nominal efficiency	EER			3.26
	COP			3.22
	Annual energy consumption		kWh	767
	Energy labeling	Cooling		A
		Heating		C
Space cooling	Energy efficiency class			A+
	Capacity	Pdesign	kW	5
	SEER			5.7
	Annual energy consumption		kWh/a	307
	Capacity	Pdesign	kW	4
Space heating (Average climate)	Energy efficiency class			A+
	SCOP/A			4.05
	SCOPnet/A			4.11
	Pdh Heating capacity at -10°		kW	3.11
	Annual energy consumption		kWh/a	1,383
	Required back up heating cap at design conditions		kW	0.89
	Capacity	Pdesignh	kW	2.16
Space heating (Warm climate)	Energy efficiency class			A++
	SCOP			4.7
	SCOPnet			5.01
	Annual energy consumption		kWh/a	643
	Required back up heating cap at design conditions		kW	0
	A Condition	Pdc	kW	5
	(35°C - 27/19)	EERd		3.26
Space cooling		Power input	kW	1.53
	B Condition	Pdc	kW	3.69
	(30°C - 27/19)	EERd		4.85
		Power input	kW	0.76
	C Condition	Pdc	kW	2.37
	(25°C - 27/19)	EERd		7.28
		Power input	kW	0.33
Space cooling	D Condition	Pdc	kW	1.8
	(20°C - 27/19)	EERd		9.83
		Power input	kW	0.18

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Technical specifications					FNA50A9 + RXM50A8	
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-15	
	TBivalent	Tbiv (bivalent temperature)		°C	-7	
		PdH (declared heating cap)		kW	3.54	
		COPd (declared COP)			2.88	
		Power input		kW	1.23	
	A Condition (-7°C)	PdH (declared heating cap)		kW	3.54	
		COPd (declared COP)			2.88	
		Power input		kW	1.23	
	B Condition (2°C)	PdH (declared heating cap)		kW	2.16	
		COPd (declared COP)			4.05	
		Power input		kW	0.53	
	C Condition (7°C)	PdH (declared heating cap)		kW	1.39	
		COPd (declared COP)			5.02	
		Power input		kW	0.28	
	D Condition (12°C)	PdH (declared heating cap)		kW	1.56	
		COPd (declared COP)			6.08	
		Power input		kW	0.26	
E condition (-10°C)	PdH (declared heating cap)		kW	3.11		
	COPd (declared COP)			2.68		
	Power input		kW	1.16		
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15	
	TBivalent	Tbiv (bivalent temperature)		°C	2	
		PdH (declared heating cap)		kW	2.16	
		COPd (declared COP)			4.05	
		Power input		kW	0.53	
	B Condition (2°C)	PdH (declared heating cap)		kW	2.16	
		COPd (declared COP)			4.05	
		Power input		kW	0.53	
	C Condition (7°C)	PdH (declared heating cap)		kW	1.39	
		COPd (declared COP)			5.02	
		Power input		kW	0.28	
Space heating (Warm climate)	D Condition (12°C)	PdH (declared heating cap)		kW	1.56	
		COPd (declared COP)			6.08	
		Power input		kW	0.26	
	E condition (2°C)	PdH (declared heating cap)		kW	2.16	
		COPd (declared COP)			4.05	
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0	
	Off mode	POFF		W	9	
	Standby mode	Cooling	PSB	W	9	
		Heating	PSB	W	9	
	Thermo-stat-off mode	PTO	Cooling	W	47	
			Heating	W	53	
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	Piping length	Cooling	Measuring condition	m	5	

Electrical specifications				FNA50A9 + RXM50A8
Power factor	Nominal	Cooling	%	98.67
		Heating	%	99.02
Current	Nominal running current (RLA)	Cooling	A	6.8
	Nominal running current (RLA) - 50Hz	Heating	A	8
Current - 50Hz	Maximum fuse amps (MFA)			13

Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. |
Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. |
See separate drawing for operation range |
See separate drawing for electrical data

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Technical specifications				FTXM50A + RXM50A8	
Cooling capacity	Min.		kW	1.7	
	Min.		Btu/h	5,800	
	Min.		kcal/h	1,462	
	Nom.		kW	5	
	Nom.		Btu/h	17,100	
	Nom.		kcal/h	4,299	
	Max.		kW	5.3	
	Max.		Btu/h	18,100	
Max.		kcal/h	4,557		
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	1.7	
	Min.		Btu/h	5,800	
	Min.		kcal/h	1,462	
	Nom.		kW	5	
	Nom.		Btu/h	17,100	
	Nom.		kcal/h	4,299	
	Max.		kW	5.3	
	Max.		Btu/h	18,100	
Max.		kcal/h	4,557		
Heating capacity	Min.		kW	1.7	
	Min.		Btu/h	5,800	
	Min.		kcal/h	1,462	
	Nom.		kW	5.8	
	Nom.		Btu/h	19,800	
	Nom.		kcal/h	4,987	
	Max.		kW	6.5	
	Max.		Btu/h	22,200	
Max.		kcal/h	5,589		
Heating capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	1.7	
	Min.		Btu/h	5,800	
	Min.		kcal/h	1,462	
	Nom.		kW	5.8	
	Nom.		Btu/h	19,800	
	Nom.		kcal/h	4,987	
	Max.		kW	5.8	
	Max.		Btu/h	19,800	
Max.		kcal/h	4,987		
Power input	Cooling	Nom.	kW	1.41	
	Heating	Nom.	kW	1.45	
Power input - Low sound mode (Stb. 2020, 189)	Cooling	Nom.	kW	1.41	
	Heating	Nom.	kW	1.47	
Nominal efficiency	EER			3.55	
	COP			4	
	Annual energy consumption		kWh	704	
	Energy labeling	Cooling		A	
	Energy labeling	Heating		A	
Nominal efficiency - Low sound mode (Stb. 2020, 189)	EER			3.55	
	COP			3.95	
	Annual energy consumption		kWh	704	
	Energy efficiency class			A++	
Space cooling	Capacity	Pdesign	kW	5	
	SEER			7.55	
	Annual energy consumption		kWh/a	232	
	Capacity	Pdesign	kW	5	
Space cooling - Low sound mode (Stb. 2020, 189)	SEER			7.55	
	Annual energy consumption		kWh/a	232	
	Capacity	Pdesign	kW	4.5	
Space heating (Average climate)	Energy efficiency class			A++	
	SCOP/A			4.75	
	SCOPnet/A			4.76	
	PdH Heating capacity at -10°		kW	4.5	
	Annual energy consumption		kWh/a	1,326	
	Required back up heating cap at design conditions		kW	0	
	Capacity	Pdesign	kW	4.5	
	SCOP/A			4.7	
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	SCOPnet/A			4.75	
	PdH Heating capacity at -10°		kW	3.65	
	Annual energy consumption		kWh/a	1,340	
	Required back up heating cap at design conditions		kW	0.85	
	Capacity	Pdesign	kW	4.5	

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Technical specifications				FTXM50A + RXM50A8
Space heating (Warm climate)	Capacity	Pdesignh	kW	2.43
	Energy efficiency class			A+++
	SCOP			6
	SCOPnet			6.07
	Annual energy consumption			567 kWh/a
Space heating (Warm climate)	Required back up heating cap at design conditions			0 kW
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.43
	SCOP			6
	SCOPnet			6.07
	Annual energy consumption			567 kWh/a
	Required back up heating cap at design conditions			0 kW
Space cooling	A Condition	Pdc	kW	5
	(35°C - 27/19)	EERd		3.55
		Power input	kW	1.41
	B Condition	Pdc	kW	3.69
	(30°C - 27/19)	EERd		5.53
		Power input	kW	0.67
	C Condition	Pdc	kW	2.37
	(25°C - 27/19)	EERd		8.91
		Power input	kW	0.27
	D Condition	Pdc	kW	1.8
	(20°C - 27/19)	EERd		13.95
		Power input	kW	0.13
	A Condition	Pdc	kW	5
	(35°C - 27/19)	EERd		3.55
		Power input	kW	1.41
Space cooling - Low sound mode (Stb. 2020, 189)	B Condition	Pdc	kW	3.69
	(30°C - 27/19)	EERd		5.53
		Power input	kW	0.67
	C Condition	Pdc	kW	2.37
	(25°C - 27/19)	EERd		8.91
		Power input	kW	0.27
	D Condition	Pdc	kW	1.8
	(20°C - 27/19)	EERd		13.95
		Power input	kW	0.13
	TOL	Tol (temperature operating limit)	°C	-20
	TBivalent	Tbiv (bivalent temperature)	°C	-10
		Pdh (declared heating cap)	kW	4.5
		COPd (declared COP)		2.75
		Power input	kW	1.64
Space heating (Average climate)	A Condition	Pdh (declared heating cap)	kW	3.99
	(-7°C)	COPd (declared COP)		3.1
		Power input	kW	1.29
	B Condition	Pdh (declared heating cap)	kW	2.43
	(2°C)	COPd (declared COP)		4.7
		Power input	kW	0.52
	C Condition	Pdh (declared heating cap)	kW	1.56
	(7°C)	COPd (declared COP)		6.05
		Power input	kW	0.26
	D Condition	Pdh (declared heating cap)	kW	1.53
	(12°C)	COPd (declared COP)		7.3
		Power input	kW	0.21
	E condition	Pdh (declared heating cap)	kW	4.5
	(-10°C)	COPd (declared COP)		2.75
		Power input	kW	1.64

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Technical specifications				FTXM50A + RXM50A8
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)	°C	-20
	TBivalent	Tbiv (bivalent temperature)	°C	-7
		Pdh (declared heating cap)	kW	3.99
		COPd (declared COP)		3.05
	A Condition (-7°C)	Power input	kW	1.31
		Pdh (declared heating cap)	kW	3.99
		COPd (declared COP)		3.05
	B Condition (2°C)	Power input	kW	1.31
		Pdh (declared heating cap)	kW	2.43
		COPd (declared COP)		4.7
	C Condition (7°C)	Power input	kW	0.52
		Pdh (declared heating cap)	kW	1.56
		COPd (declared COP)		6.05
	D Condition (12°C)	Power input	kW	0.26
		Pdh (declared heating cap)	kW	1.53
		COPd (declared COP)		7.3
Space heating (Warm climate)	TBivalent	Power input	kW	0.21
		Pdh (declared heating cap)	kW	3.65
		COPd (declared COP)		2.7
	TOL	Tol (temperature operating limit)	°C	1.35
Space heating (Warm climate)	TBivalent	Tbiv (bivalent temperature)	°C	-20
		Pdh (declared heating cap)	kW	2
		COPd (declared COP)		2.43
	B Condition (2°C)	Power input	kW	4.7
		Pdh (declared heating cap)	kW	0.52
		COPd (declared COP)		2.43
	C Condition (7°C)	Power input	kW	4.7
		Pdh (declared heating cap)	kW	0.52
		COPd (declared COP)		1.56
	D Condition (12°C)	Power input	kW	6.05
		Pdh (declared heating cap)	kW	0.26
		COPd (declared COP)		1.53
	E condition (2°C)	Power input	kW	0.21
		Pdh (declared heating cap)	kW	2.43
		COPd (declared COP)		4.7
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	TBivalent	Power input	kW	0.52
		Pdh (declared heating cap)	kW	2.43
		COPd (declared COP)		4.7
	B Condition (2°C)	Power input	kW	0.52
		Pdh (declared heating cap)	kW	1.56
		COPd (declared COP)		6.05
	C Condition (7°C)	Power input	kW	0.26
		Pdh (declared heating cap)	kW	1.53
		COPd (declared COP)		7.3
	D Condition (12°C)	Power input	kW	0.21
		Pdh (declared heating cap)	kW	2.43
		COPd (declared COP)		4.7
	E condition (-10°C)	Power input	kW	0.52
		Pdh (declared heating cap)	kW	3.65
		COPd (declared COP)		2.7
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	TBivalent	Power input	kW	1.35
		Pdh (declared heating cap)	kW	0.52
		COPd (declared COP)		2.43
	TOL	Tol (temperature operating limit)	°C	2
Power consumption in other than active mode	Crankcase heater mode	PCK	W	0
		POFF	W	1
		Standby mode	W	1
	Thermo-stat-off mode	Cooling PSB	W	1
		Heating PSB	W	7
		PTO	W	8
	Cooling	Cdc (Degradation cooling)		0.25
		Heating		0.25
		Cdh (Degradation heating)		0.25
	Cooling function included			Yes
				Yes
				Yes
	Average climate included			No
				Yes
				Yes
Eurovent	Piping length	Cooling	Measuring condition	m
				5

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Electrical specifications				FTXM50A + RXM50A8
Power factor	Nominal	Cooling	%	98.99
		Heating	%	99.04
Current	Nominal running current (RLA)	Cooling	A	6.3
	Nominal running current (RLA) - 50Hz	Heating	A	6.4
Current - 50Hz	Maximum fuse amps (MFA)		A	13

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

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

See separate drawing for operation range |

See separate drawing for electrical data

Technical specifications				FTXM50R + RXM50A8
Cooling capacity	Min.		kW	1.7
	Min.		Btu/h	5,800
	Min.		kcal/h	1,462
	Nom.		kW	5
	Nom.		Btu/h	17,100
	Nom.		kcal/h	4,299
	Max.		kW	5.3
	Max.		Btu/h	18,100
Cooling capacity - Low sound mode (Stb. 2020, 189)	Max.		kcal/h	4,557
	Min.		kW	1.7
	Min.		Btu/h	5,800
	Min.		kcal/h	1,462
	Nom.		kW	5
	Nom.		Btu/h	17,100
	Nom.		kcal/h	4,299
	Max.		kW	5.3
Heating capacity	Max.		Btu/h	18,100
	Max.		kcal/h	4,557
	Min.		kW	1.7
	Min.		Btu/h	5,800
	Min.		kcal/h	1,462
	Nom.		kW	5.8
	Nom.		Btu/h	19,800
	Nom.		kcal/h	4,987
Heating capacity - Low sound mode (Stb. 2020, 189)	Max.		kW	6.5
	Max.		Btu/h	22,200
	Max.		kcal/h	5,589
	Min.		kW	1.7
	Min.		Btu/h	5,800
	Min.		kcal/h	1,462
	Nom.		kW	5.8
	Nom.		Btu/h	19,800
Power input	Cooling	Nom.	kW	1.41
	Heating	Nom.	kW	1.45
Power input - Low sound mode (Stb. 2020, 189)	Cooling	Nom.	kW	1.41
	Heating	Nom.	kW	1.47
Nominal efficiency	EER			3.55
	COP			4
	Annual energy consumption		kWh	704
	Energy labeling	Cooling		A
		Heating		A
	Directive			
Nominal efficiency - Low sound mode (Stb. 2020, 189)	EER			3.55
	COP			3.95
	Annual energy consumption		kWh	704
Space cooling	Energy efficiency class			A++
	Capacity	Pdesign	kW	5
	SEER			7.55
	Annual energy consumption		kWh/a	232
Space cooling - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	5
	SEER			7.55
	Annual energy consumption		kWh/a	232

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Technical specifications				FTXM50R + RXM50A8
Space heating (Average climate)	Capacity	Pdesign	kW	4.5
	Energy efficiency class			A++
	SCOP/A			4.75
	SCOPnet/A			4.76
	Pdh Heating capacity at -10°		kW	4.5
	Annual energy consumption			1,326
	Required back up heating cap at design conditions			0
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	4.5
	SCOP/A			4.7
	SCOPnet/A			4.75
	Pdh Heating capacity at -10°		kW	3.65
	Annual energy consumption			1,340
	Required back up heating cap at design conditions			0.85
Space heating (Warm climate)	Capacity	Pdesignh	kW	2.43
	Energy efficiency class			A+++
	SCOP			6
	SCOPnet			6.07
	Annual energy consumption			567
Space heating (Warm climate)	Required back up heating cap at design conditions			0
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.43
	SCOP			6
	SCOPnet			6.07
	Annual energy consumption			567
	Required back up heating cap at design conditions			0
Space cooling	A Condition	Pdc	kW	5
	(35°C - 27/19)	EERd		3.55
		Power input	kW	1.41
	B Condition	Pdc	kW	3.69
	(30°C - 27/19)	EERd		5.53
		Power input	kW	0.67
	C Condition	Pdc	kW	2.37
	(25°C - 27/19)	EERd		8.91
		Power input	kW	0.27
	D Condition	Pdc	kW	1.8
	(20°C - 27/19)	EERd		13.95
		Power input	kW	0.13
	A Condition	Pdc	kW	5
	(35°C - 27/19)	EERd		3.55
		Power input	kW	1.41
	B Condition	Pdc	kW	3.69
	(30°C - 27/19)	EERd		5.53
		Power input	kW	0.67
	C Condition	Pdc	kW	2.37
	(25°C - 27/19)	EERd		8.91
		Power input	kW	0.27
	D Condition	Pdc	kW	1.8
	(20°C - 27/19)	EERd		13.95
		Power input	kW	0.13
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-20
	TBivalent	Tbiv (bivalent temperature)	°C	-10
		Pdh (declared heating cap)	kW	4.5
		COPd (declared COP)		2.75
		Power input	kW	1.64
	A Condition (-7°C)	Pdh (declared heating cap)	kW	3.99
		COPd (declared COP)		3.1
	A Condition (-7°C)	Power input	kW	1.29
Space heating (Average climate)	B Condition (2°C)	Pdh (declared heating cap)	kW	2.43
		COPd (declared COP)		4.7
		Power input	kW	0.52
	C Condition (7°C)	Pdh (declared heating cap)	kW	1.56
		COPd (declared COP)		6.05
		Power input	kW	0.26
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.53
		COPd (declared COP)		7.3
		Power input	kW	0.21
	E condition (-10°C)	Pdh (declared heating cap)	kW	4.5
		COPd (declared COP)		2.75
		Power input	kW	1.64

2 Specifications

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Technical specifications					FTXM50R + RXM50A8		
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)		°C	-20		
	TBivalent	Tbiv (bivalent temperature)		°C	-7		
		Pdh (declared heating cap)		kW	3.99		
		COPd (declared COP)			3.05		
		Power input		kW	1.31		
	A Condition (-7°C)	Pdh (declared heating cap)		kW	3.99		
		COPd (declared COP)			3.05		
		Power input		kW	1.31		
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.43		
		COPd (declared COP)			4.7		
		Power input		kW	0.52		
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.56		
		COPd (declared COP)			6.05		
		Power input		kW	0.26		
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.53		
		COPd (declared COP)			7.3		
Power input		kW	0.21				
E condition (-10°C)	Pdh (declared heating cap)		kW	3.65			
	COPd (declared COP)			2.7			
	Power input		kW	1.35			
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-20		
	TBivalent	Tbiv (bivalent temperature)		°C	2		
		Pdh (declared heating cap)		kW	2.43		
		COPd (declared COP)			4.7		
Space heating (Warm climate)	TBivalent	Power input		kW	0.52		
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.43		
		COPd (declared COP)			4.7		
		Power input		kW	0.52		
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.56		
		COPd (declared COP)			6.05		
		Power input		kW	0.26		
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.53		
		COPd (declared COP)			7.3		
		Power input		kW	0.21		
	E condition (2°C)	Pdh (declared heating cap)		kW	2.43		
		COPd (declared COP)			4.7		
		Power input		kW	0.52		
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)		°C	-20		
	TBivalent	Tbiv (bivalent temperature)		°C	2		
		Pdh (declared heating cap)		kW	2.43		
		COPd (declared COP)			4.7		
		Power input		kW	0.52		
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.43		
		COPd (declared COP)			4.7		
		Power input		kW	0.52		
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.56		
		COPd (declared COP)			6.05		
		Power input		kW	0.26		
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.53		
		Power input		kW	0.21		
		COPd (declared COP)			7.3		
	Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	E condition (-10°C)	Pdh (declared heating cap)		kW	3.65	
		COPd (declared COP)			2.7		
		Power input		kW	1.35		
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)					kW	0.52	
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0		
		Off mode		POFF	W	1	
	Standby mode	Cooling	PSB	W	1		
		Heating	PSB	W	1		
	Thermo-stat-off mode	PTO	Cooling	W	7		
			Heating	W	8		
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	Piping length	Cooling	Measuring condition	m	5		

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Electrical specifications				FTXM50R + RXM50A8
Power factor	Nominal	Cooling	%	98.99
		Heating	%	99.04
Current	Nominal running current (RLA)	Cooling	A	6.3
	Nominal running current (RLA) - 50Hz	Heating	A	6.4
Current - 50Hz	Maximum fuse amps (MFA)	A		13

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

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

See separate drawing for operation range |

See separate drawing for electrical data

Technical specifications				FVXM50A + RXM50A8
Cooling capacity	Min.		kW	1.4
	Min.		Btu/h	4,800
	Min.		kcal/h	1,204
	Nom.		kW	5
	Nom.		Btu/h	17,100
	Nom.		kcal/h	4,299
	Max.		kW	5.4
	Max.		Btu/h	18,400
Cooling capacity - Low sound mode (Stb. 2020, 189)	Max.		kcal/h	4,643
	Min.		kW	1.4
	Min.		Btu/h	4,800
	Min.		kcal/h	1,204
	Nom.		kW	5
	Nom.		Btu/h	17,100
	Nom.		kcal/h	4,299
	Max.		kW	5.4
Heating capacity	Max.		Btu/h	18,400
	Max.		kcal/h	4,643
	Min.		kW	1.4
	Min.		Btu/h	4,800
	Min.		kcal/h	1,204
	Nom.		kW	5.8
	Nom.		Btu/h	19,800
	Nom.		kcal/h	4,987
Heating capacity - Low sound mode (Stb. 2020, 189)	Max.		kW	6.2
	Max.		Btu/h	21,200
	Max.		kcal/h	5,331
	Min.		kW	1.4
	Min.		Btu/h	4,800
	Min.		kcal/h	1,204
	Nom.		kW	5.8
	Nom.		Btu/h	19,800
Power input	Cooling	Nom.	kW	1.36
	Heating	Nom.	kW	1.56
Power input - Low sound mode (Stb. 2020, 189)	Cooling	Nom.	kW	1.36
	Heating	Nom.	kW	1.56
Nominal efficiency	EER			3.67
	COP			3.71
	Annual energy consumption		kWh	681
	Energy labeling	Cooling		A
	Directive	Heating		A
Nominal efficiency - Low sound mode (Stb. 2020, 189)	EER			3.67
	COP			3.71
	Annual energy consumption		kWh	681
Space cooling	Energy efficiency class			A++
	Capacity	Pdesign	kW	5
	SEER			7.2
	Annual energy consumption		kWh/a	243
Space cooling - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	5
	SEER			7.2
	Annual energy consumption		kWh/a	243

2 Specifications

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Technical specifications				FVXM50A + RXM50A8
Space heating (Average climate)	Capacity	Pdesign	kW	4.1
	Energy efficiency class			A+
	SCOP/A			4.26
	SCOPnet/A			4.3
	Pdh Heating capacity at -10°		kW	3.34
	Annual energy consumption			1,346
	Required back up heating cap at design conditions			0.76
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	4.1
	SCOP/A			4.26
	SCOPnet/A			4.3
	Pdh Heating capacity at -10°		kW	3.34
	Annual energy consumption			1,346
	Required back up heating cap at design conditions			0.76
Space heating (Warm climate)	Capacity	Pdesignh	kW	2.21
	Energy efficiency class			A+++
	SCOP			5.13
	SCOPnet			5.2
	Annual energy consumption			603
Space heating (Warm climate)	Required back up heating cap at design conditions			0
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.21
	SCOP			5.13
	SCOPnet			5.2
	Annual energy consumption			603
	Required back up heating cap at design conditions			0
				5
Space cooling	A Condition	Pdc	kW	3.67
	(35°C - 27/19)	EERd		1.36
	Power input			3.69
	B Condition	Pdc	kW	5.4
	(30°C - 27/19)	EERd		0.68
	Power input			2.37
	C Condition	Pdc	kW	8.45
	(25°C - 27/19)	EERd		0.28
	Power input			1.82
	D Condition	Pdc	kW	12.26
	(20°C - 27/19)	EERd		0.15
	Power input			5
	A Condition	Pdc	kW	3.67
	(35°C - 27/19)	EERd		1.36
Space cooling - Low sound mode (Stb. 2020, 189)	B Condition	Pdc	kW	3.69
	(30°C - 27/19)	EERd		5.4
	Power input			0.68
	C Condition	Pdc	kW	2.37
	(25°C - 27/19)	EERd		8.45
	Power input			0.28
	D Condition	Pdc	kW	1.82
	(20°C - 27/19)	EERd		12.26
	Power input			0.15
	TOL	Tol (temperature operating limit)	°C	-20
	TBivalent	Tbiv (bivalent temperature)	°C	-7
	Pdh (declared heating cap)			3.63
	COPd (declared COP)			3.05
	Power input			1.19
Space heating (Average climate)	A Condition	Pdh (declared heating cap)	kW	3.63
	(-7°C)	COPd (declared COP)		3.05
	Power input			1.19
	B Condition	Pdh (declared heating cap)	kW	2.21
	(2°C)	COPd (declared COP)		4.26
	Power input			0.52
	C Condition	Pdh (declared heating cap)	kW	1.42
	(7°C)	COPd (declared COP)		5.15
	Power input			0.28
	D Condition	Pdh (declared heating cap)	kW	1.5
	(12°C)	COPd (declared COP)		6.3
	Power input			0.24
	E condition	Pdh (declared heating cap)	kW	3.34
	(-10°C)	COPd (declared COP)		2.84
	Power input			1.18

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Technical specifications					FVXM50A + RXM50A8		
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)		°C	-20		
	TBivalent	Tbiv (bivalent temperature)		°C	-7		
		Pdh (declared heating cap)		kW	3.63		
		COPd (declared COP)			3.05		
		Power input		kW	1.19		
	A Condition (-7°C)	Pdh (declared heating cap)		kW	3.63		
		COPd (declared COP)			3.05		
		Power input		kW	1.19		
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.21		
		COPd (declared COP)			4.26		
		Power input		kW	0.52		
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.42		
		COPd (declared COP)			5.15		
		Power input		kW	0.28		
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.5		
		COPd (declared COP)			6.3		
		Power input		kW	0.24		
E condition (-10°C)	Pdh (declared heating cap)		kW	3.34			
	COPd (declared COP)			2.84			
	Power input		kW	1.18			
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-20		
	TBivalent	Tbiv (bivalent temperature)		°C	2		
		Pdh (declared heating cap)		kW	2.21		
		COPd (declared COP)			4.26		
Space heating (Warm climate)	TBivalent	Power input		kW	0.52		
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.21		
		COPd (declared COP)			4.26		
		Power input		kW	0.52		
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.42		
		COPd (declared COP)			5.15		
		Power input		kW	0.28		
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.5		
		COPd (declared COP)			6.3		
		Power input		kW	0.24		
	E condition (2°C)	Pdh (declared heating cap)		kW	2.21		
		COPd (declared COP)			4.26		
		Power input		kW	0.52		
	Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)		°C	-20	
		TBivalent	Tbiv (bivalent temperature)		°C	2	
			Pdh (declared heating cap)		kW	2.21	
COPd (declared COP)				4.26			
Power input			kW	0.52			
B Condition (2°C)		Pdh (declared heating cap)		kW	2.21		
		COPd (declared COP)			4.26		
		Power input		kW	0.52		
C Condition (7°C)		Pdh (declared heating cap)		kW	1.42		
		COPd (declared COP)			5.15		
		Power input		kW	0.28		
D Condition (12°C)		Pdh (declared heating cap)		kW	1.5		
		Power input		kW	0.24		
		COPd (declared COP)			6.3		
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)		E condition (-10°C)	Pdh (declared heating cap)		kW	3.34	
			COPd (declared COP)			2.84	
			Power input		kW	1.18	
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)				kW	0.52		
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0		
	Off mode	POFF		W	1		
	Standby mode	Cooling	PSB	W	1		
		Heating	PSB	W	1		
Thermo-stat-off mode	PTO	Cooling	W	7			
		Heating	W	10			
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	Piping length	Cooling	Measuring condition	m	5		

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Electrical specifications				FVXM50A + RXM50A8
Power factor	Nominal	Cooling	%	98.91
		Heating	%	99.09
Current	Nominal running current (RLA)	Cooling	A	6.1
	Nominal running current (RLA) - 50Hz	Heating	A	6.9
Current - 50Hz	Maximum fuse amps (MFA)	A		13

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

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

See separate drawing for operation range |

See separate drawing for electrical data

Technical specifications				FVXM50A9 + RXM50A8
Cooling capacity	Min.		kW	1.4
	Min.		Btu/h	4,800
	Min.		kcal/h	1,204
	Nom.		kW	5
	Nom.		Btu/h	17,100
	Nom.		kcal/h	4,299
	Max.		kW	5.4
	Max.		Btu/h	18,400
Cooling capacity - Low sound mode (Stb. 2020, 189)	Max.		kcal/h	4,643
	Min.		kW	1.4
	Min.		Btu/h	4,800
	Min.		kcal/h	1,204
	Nom.		kW	5
	Nom.		Btu/h	17,100
	Nom.		kcal/h	4,299
	Max.		kW	5.4
Heating capacity	Max.		Btu/h	18,400
	Max.		kcal/h	4,643
	Min.		kW	1.4
	Min.		Btu/h	4,800
	Min.		kcal/h	1,204
	Nom.		kW	5.8
	Nom.		Btu/h	19,800
	Nom.		kcal/h	4,987
Heating capacity - Low sound mode (Stb. 2020, 189)	Max.		kW	6.2
	Max.		Btu/h	21,200
	Max.		kcal/h	5,331
	Min.		kW	1.4
	Min.		Btu/h	4,800
	Min.		kcal/h	1,204
	Nom.		kW	5.8
	Nom.		Btu/h	19,800
Power input	Cooling	Nom.	kW	1.36
	Heating	Nom.	kW	1.56
Power input - Low sound mode (Stb. 2020, 189)	Cooling	Nom.	kW	1.36
	Heating	Nom.	kW	1.56
Nominal efficiency	EER			3.67
	COP			3.71
	Annual energy consumption		kWh	681
	Energy labeling	Cooling		A
	Directive	Heating		A
	Annual energy consumption		kWh	681
Nominal efficiency - Low sound mode (Stb. 2020, 189)	EER			3.67
	COP			3.71
	Annual energy consumption		kWh	681
	Energy efficiency class			A++
Space cooling	Capacity	Pdesign	kW	5
	SEER			7.2
	Annual energy consumption		kWh/a	243
	Capacity	Pdesign	kW	5
Space cooling - Low sound mode (Stb. 2020, 189)	SEER			7.2
	Annual energy consumption		kWh/a	243

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Technical specifications				FVXM50A9 + RXM50A8
Space heating (Average climate)	Capacity	Pdesign	kW	4.1
	Energy efficiency class			A+
	SCOP/A			4.26
	SCOPnet/A			4.3
	Pdh Heating capacity at -10°		kW	3.34
	Annual energy consumption			1,346
	Required back up heating cap at design conditions			0.76
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	4.1
	SCOP/A			4.26
	SCOPnet/A			4.3
	Pdh Heating capacity at -10°		kW	3.34
	Annual energy consumption			1,346
	Required back up heating cap at design conditions			0.76
Space heating (Warm climate)	Capacity	Pdesignh	kW	2.21
	Energy efficiency class			A+++
	SCOP			5.13
	SCOPnet			5.2
	Annual energy consumption			603
	Required back up heating cap at design conditions			0
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.21
	SCOP			5.13
	SCOPnet			5.2
	Annual energy consumption			603
	Required back up heating cap at design conditions			0
Space cooling	A Condition	Pdc	kW	5
	(35°C - 27/19)	EERd		3.67
		Power input	kW	1.36
	B Condition	Pdc	kW	3.69
	(30°C - 27/19)	EERd		5.4
		Power input	kW	0.68
	C Condition	Pdc	kW	2.37
	(25°C - 27/19)	EERd		8.45
		Power input	kW	0.28
	D Condition	Pdc	kW	1.82
	(20°C - 27/19)	EERd		12.26
		Power input	kW	0.15
Space cooling - Low sound mode (Stb. 2020, 189)	A Condition	Pdc	kW	5
	(35°C - 27/19)	EERd		3.67
		Power input	kW	1.36
	B Condition	Pdc	kW	3.69
	(30°C - 27/19)	EERd		5.4
		Power input	kW	0.68
	C Condition	Pdc	kW	2.37
	(25°C - 27/19)	EERd		8.45
		Power input	kW	0.28
	D Condition	Pdc	kW	1.82
	(20°C - 27/19)	EERd		12.26
		Power input	kW	0.15
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-20
	TBivalent	Tbiv (bivalent temperature)	°C	-7
		Pdh (declared heating cap)	kW	3.63
		COPd (declared COP)		3.05
		Power input	kW	1.19
	A Condition (-7°C)	Pdh (declared heating cap)	kW	3.63
		COPd (declared COP)		3.05
Space heating (Average climate)	A Condition (-7°C)	Power input	kW	1.19
	B Condition (2°C)	Pdh (declared heating cap)	kW	2.21
		COPd (declared COP)		4.26
		Power input	kW	0.52
	C Condition (7°C)	Pdh (declared heating cap)	kW	1.42
		COPd (declared COP)		5.15
		Power input	kW	0.28
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.5
		COPd (declared COP)		6.3
		Power input	kW	0.24
	E condition (-10°C)	Pdh (declared heating cap)	kW	3.34
		COPd (declared COP)		2.84
		Power input	kW	1.18

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Technical specifications					FVXM50A9 + RXM50A8	
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)		°C	-20	
	TBivalent	Tbiv (bivalent temperature)		°C	-7	
		Pdh (declared heating cap)		kW	3.63	
		COPd (declared COP)			3.05	
		Power input		kW	1.19	
	A Condition (-7°C)	Pdh (declared heating cap)		kW	3.63	
		COPd (declared COP)			3.05	
		Power input		kW	1.19	
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.21	
		COPd (declared COP)			4.26	
		Power input		kW	0.52	
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.42	
		COPd (declared COP)			5.15	
		Power input		kW	0.28	
D Condition (12°C)	Pdh (declared heating cap)		kW	1.5		
	COPd (declared COP)			6.3		
	Power input		kW	0.24		
E condition (-10°C)	Pdh (declared heating cap)		kW	3.34		
	COPd (declared COP)			2.84		
	Power input		kW	1.18		
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-20	
	TBivalent	Tbiv (bivalent temperature)		°C	2	
		Pdh (declared heating cap)		kW	2.21	
		COPd (declared COP)			4.26	
Space heating (Warm climate)	TBivalent	Power input		kW	0.52	
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.21	
		COPd (declared COP)			4.26	
		Power input		kW	0.52	
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.42	
		COPd (declared COP)			5.15	
		Power input		kW	0.28	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.5	
		COPd (declared COP)			6.3	
		Power input		kW	0.24	
	E condition (2°C)	Pdh (declared heating cap)		kW	2.21	
		COPd (declared COP)			4.26	
		Power input		kW	0.52	
	Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)		°C	-20
TBivalent		Tbiv (bivalent temperature)		°C	2	
		Pdh (declared heating cap)		kW	2.21	
		COPd (declared COP)			4.26	
		Power input		kW	0.52	
B Condition (2°C)		Pdh (declared heating cap)		kW	2.21	
		COPd (declared COP)			4.26	
		Power input		kW	0.52	
C Condition (7°C)		Pdh (declared heating cap)		kW	1.42	
		COPd (declared COP)			5.15	
		Power input		kW	0.28	
D Condition (12°C)		Pdh (declared heating cap)		kW	1.5	
		Power input		kW	0.24	
		COPd (declared COP)			6.3	
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	E condition (-10°C)	Pdh (declared heating cap)		kW	3.34	
	COPd (declared COP)			2.84		
	Power input		kW	1.18		
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)					0.52	
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0	
	Off mode	POFF		W	1	
	Standby mode	Cooling	PSB	W	1	
		Heating	PSB	W	1	
	Thermo-stat-off mode	PTO	Cooling	W	7	
			Heating	W	10	
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	Piping length	Cooling	Measuring condition	m	5	

2 Specifications

2 - 1 Specifications

Electrical specifications				FVXM50A9 + RXM50A8
Power factor	Nominal	Cooling	%	98.91
		Heating	%	99.09
Current	Nominal running current (RLA)	Cooling	A	6.1
	Nominal running current (RLA) - 50Hz	Heating	A	6.9
Current - 50Hz	Maximum fuse amps (MFA)	A		13

Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. |
 Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. |
 See separate drawing for operation range |
 See separate drawing for electrical data

Technical specifications				FVXM50B + RXM50A8
Cooling capacity	Min.		kW	1.4
	Min.		Btu/h	4,800
	Min.		kcal/h	1,204
	Nom.		kW	5
	Nom.		Btu/h	17,100
	Nom.		kcal/h	4,299
	Max.		kW	5.4
	Max.		Btu/h	18,400
Cooling capacity - Low sound mode (Stb. 2020, 189)	Max.		kcal/h	4,643
	Min.		kW	1.4
	Min.		Btu/h	4,800
	Min.		kcal/h	1,204
	Nom.		kW	5
	Nom.		Btu/h	17,100
	Nom.		kcal/h	4,299
	Max.		kW	5.4
Heating capacity	Max.		Btu/h	18,400
	Max.		kcal/h	4,643
	Min.		kW	1.4
	Min.		Btu/h	4,800
	Min.		kcal/h	1,204
	Nom.		kW	5.8
	Nom.		Btu/h	19,800
	Nom.		kcal/h	4,987
Heating capacity - Low sound mode (Stb. 2020, 189)	Max.		kW	6.2
	Max.		Btu/h	21,200
	Max.		kcal/h	5,331
	Min.		kW	1.4
	Min.		Btu/h	4,800
	Min.		kcal/h	1,204
	Nom.		kW	5.8
	Nom.		Btu/h	19,800
Power input	Cooling	Nom.	kW	1.36
	Heating	Nom.	kW	1.56
Power input - Low sound mode (Stb. 2020, 189)	Cooling	Nom.	kW	1.36
	Heating	Nom.	kW	1.56
Nominal efficiency	EER			3.67
	COP			3.71
	Annual energy consumption		kWh	681
	Energy labeling	Cooling		A
	Directive	Heating		A
	Annual energy consumption		kWh	681
Nominal efficiency - Low sound mode (Stb. 2020, 189)	EER			3.67
	COP			3.71
	Annual energy consumption		kWh	681
	Energy efficiency class			A++
Space cooling	Capacity	Pdesign	kW	5
	SEER			7.2
	Annual energy consumption		kWh/a	243
	Capacity	Pdesign	kW	5
Space cooling - Low sound mode (Stb. 2020, 189)	SEER			7.2
	Annual energy consumption		kWh/a	243

2 Specifications

2 - 1 Specifications

2

Technical specifications				FVXM50B + RXM50A8
Space heating (Average climate)	Capacity	Pdesign	kW	4.1
	Energy efficiency class			A+
	SCOP/A			4.26
	SCOPnet/A			4.3
	Pdh Heating capacity at -10°		kW	3.34
	Annual energy consumption			1,346
	Required back up heating cap at design conditions			0.76
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	4.1
	SCOP/A			4.26
	SCOPnet/A			4.3
	Pdh Heating capacity at -10°		kW	3.34
	Annual energy consumption			1,346
	Required back up heating cap at design conditions			0.76
Space heating (Warm climate)	Capacity	Pdesignh	kW	2.21
	Energy efficiency class			A+++
	SCOP			5.13
	SCOPnet			5.2
	Annual energy consumption			603
Space heating (Warm climate)	Required back up heating cap at design conditions			0
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.21
	SCOP			5.13
	SCOPnet			5.2
	Annual energy consumption			603
	Required back up heating cap at design conditions			0
				5
Space cooling	A Condition	Pdc	kW	3.67
	(35°C - 27/19)	EERd		1.36
	Power input			3.69
	B Condition	Pdc	kW	5.4
	(30°C - 27/19)	EERd		0.68
	Power input			2.37
	C Condition	Pdc	kW	8.45
	(25°C - 27/19)	EERd		0.28
	Power input			1.82
	D Condition	Pdc	kW	12.26
	(20°C - 27/19)	EERd		0.15
	Power input			5
	A Condition	Pdc	kW	3.67
	(35°C - 27/19)	EERd		1.36
Space cooling - Low sound mode (Stb. 2020, 189)	B Condition	Pdc	kW	3.69
	(30°C - 27/19)	EERd		5.4
	Power input			0.68
	C Condition	Pdc	kW	2.37
	(25°C - 27/19)	EERd		8.45
	Power input			0.28
	D Condition	Pdc	kW	1.82
	(20°C - 27/19)	EERd		12.26
	Power input			0.15
	TOL	Tol (temperature operating limit)	°C	-20
	TBivalent	Tbiv (bivalent temperature)	°C	-7
	PdH (declared heating cap)			3.63
	COPd (declared COP)			3.05
	Power input			1.19
Space heating (Average climate)	A Condition	Pdh (declared heating cap)	kW	3.63
	(-7°C)	COPd (declared COP)		3.05
	Power input			1.19
	B Condition	Pdh (declared heating cap)	kW	2.21
	(2°C)	COPd (declared COP)		4.26
	Power input			0.52
	C Condition	Pdh (declared heating cap)	kW	1.42
	(7°C)	COPd (declared COP)		5.15
	Power input			0.28
	D Condition	Pdh (declared heating cap)	kW	1.5
	(12°C)	COPd (declared COP)		6.3
	Power input			0.24
	E condition	Pdh (declared heating cap)	kW	3.34
	(-10°C)	COPd (declared COP)		2.84
	Power input			1.18

2 Specifications

2 - 1 Specifications

Technical specifications					FVXM50B + RXM50A8	
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)		°C	-20	
	TBivalent	Tbiv (bivalent temperature)		°C	-7	
		Pdh (declared heating cap)		kW	3.63	
		COPd (declared COP)			3.05	
		Power input		kW	1.19	
	A Condition (-7°C)	Pdh (declared heating cap)		kW	3.63	
		COPd (declared COP)			3.05	
		Power input		kW	1.19	
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.21	
		COPd (declared COP)			4.26	
		Power input		kW	0.52	
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.42	
		COPd (declared COP)			5.15	
		Power input		kW	0.28	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.5	
		COPd (declared COP)			6.3	
		Power input		kW	0.24	
E condition (-10°C)	Pdh (declared heating cap)		kW	3.34		
	COPd (declared COP)			2.84		
	Power input		kW	1.18		
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-20	
	TBivalent	Tbiv (bivalent temperature)		°C	2	
		Pdh (declared heating cap)		kW	2.21	
		COPd (declared COP)			4.26	
Space heating (Warm climate)	TBivalent	Power input		kW	0.52	
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.21	
		COPd (declared COP)			4.26	
		Power input		kW	0.52	
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.42	
		COPd (declared COP)			5.15	
		Power input		kW	0.28	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.5	
		COPd (declared COP)			6.3	
		Power input		kW	0.24	
	E condition (2°C)	Pdh (declared heating cap)		kW	2.21	
		COPd (declared COP)			4.26	
		Power input		kW	0.52	
	Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)		°C	-20
		TBivalent	Tbiv (bivalent temperature)		°C	2
			Pdh (declared heating cap)		kW	2.21
COPd (declared COP)				4.26		
Power input			kW	0.52		
B Condition (2°C)		Pdh (declared heating cap)		kW	2.21	
		COPd (declared COP)			4.26	
		Power input		kW	0.52	
C Condition (7°C)		Pdh (declared heating cap)		kW	1.42	
		COPd (declared COP)			5.15	
		Power input		kW	0.28	
D Condition (12°C)		Pdh (declared heating cap)		kW	1.5	
		Power input		kW	0.24	
		COPd (declared COP)			6.3	
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)		E condition (-10°C)	Pdh (declared heating cap)		kW	3.34
			COPd (declared COP)			2.84
			Power input		kW	1.18
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)				0.52		
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0	
	Off mode	POFF		W	1	
		Cooling	PSB	W	1	
	Standby mode	Heating		PSB	W	1
		Thermo-stat-off mode	PTO	Cooling	W	7
Heating	W			10		
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	Piping length	Cooling	Measuring condition	m	5	

2 Specifications

2 - 1 Specifications

2

Electrical specifications				FVXM50B + RXM50A8
Power factor	Nominal	Cooling	%	98.91
		Heating	%	99.09
Current	Nominal running current (RLA)	Cooling	A	6.1
	Nominal running current (RLA) - 50Hz	Heating	A	6.9
Current - 50Hz	Maximum fuse amps (MFA)	A		13

Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. |
 Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. |
 See separate drawing for operation range |
 See separate drawing for electrical data

Technical Specifications					RXM50A8	
Casing	Colour				Ivory white	
Dimensions	Unit	Height	mm		610	
		Width	mm		923	
		Depth	mm		367	
	Packed unit	Height	mm		675	
		Width	mm		1,007	
		Depth	mm		450	
Weight	Unit	kg		40		
	Packed unit	kg		43		
Packing	Weight	kg		3		
Heat exchanger	Length		mm		869	
	Rows	Quantity		2		
	Fin pitch		mm		1.4	
	Stages	Quantity		26		
	Passes	Quantity		4.3		
	Tube type		ø7 Hi-XD			
	Tube material		Copper			
	Tube diameter		mm		7	
	Fin	Type		Waffle fin (PE)		
	Fan	Type		Propeller fan		
Air flow rate		Cooling	High	m³/min	40.1	
				cfm	1,416	
			Nom.	m³/min	40.1	
				cfm	1,416	
			Medium	m³/min	38.5	
				cfm	1,360	
			Low	m³/min	26.4	
		cfm		932		
		Silent operation	m³/min	26.4		
			cfm	932		
		Heating	High	m³/min	40.1	
				cfm	1,416	
			Nom.	m³/min	38	
				cfm	1,342	
Medium			m³/min	35		
			cfm	1,236		
Fan			Air flow rate	Heating	Low	m³/min
		cfm				932
Fan motor	Model		DFC05A3VA			
	Output		W		50	
	Speed	Cooling	High	rpm	870	
			Nom.	rpm	870	
			Medium	rpm	840	
			Low	rpm	600	
		Super low	rpm	600		
			Heating	High	rpm	870
				Nom.	rpm	830
	Low	rpm		600		
		Medium	rpm	770		
Compressor	Model		2YC40JXD#D			
	Oil Amount		cm³		650	
	Type		Hermetically sealed swing compressor			
	Output		W		1,300	
	Oil Type				FW68DA	
Operation range	Cooling	Ambient	Min.	°CDB	-10	
			Max.	°CDB	50 (1) / 46 (1)	
	Heating	Ambient	Min.	°CWB	-21 (1) / -15 (1)	
				°CDB	-20 (1) / -15 (1)	
				°CWB	18	
				°CDB	24	

2 Specifications

2 - 1 Specifications

Technical Specifications					RXM50A8	
Sound power level	Cooling	Max	dBA		63	
		Nom.	dBA		61	
		Night quiet mode	dBA		59	
		Tonal adjustment	dBA		0	
	Heating	Max	dBA		63	
		Nom.	dBA		62	
		Night quiet mode	dBA		59	
		Tonal adjustment	dBA		0	
Sound power level - Low sound mode (Stb. 2020, 189)	Cooling	Max.	dBA		60	
		Night quiet mode	dBA		55	
		Tonal adjustment	dBA		0	
	Heating	Max.	dBA		60	
		Night quiet mode	dBA		55	
Sound power level - Low sound mode (Stb. 2020, 189)	Heating	Tonal adjustment	dBA		0	
Sound pressure level	Cooling	Nom.	dBA		48	
	Heating	Nom.	dBA		49	
Refrigerant	Type				R-32	
	Charge				0.95	
	Charge				0.65	
	Control	Expansion valve				
	GWP	675				
Piping connections	Liquid	OD	mm		6.4	
	Gas	OD	mm		12.7	
	Drain	OD	mm		16 (inner diameter of connecting hose)	
	Piping length	OU - IU	Min.	m		1.5
			Max.	m		30
		System	Chargeless	m		10
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)	
	Level difference	IU - OU	Max.	m		20
	Heat insulation			Both liquid and gas pipes		
Capacity control	Method			Variable (inverter)		

Standard accessories: Installation manual;Quantity: 1;

Standard accessories: Drain joint;Quantity: 1;

Standard accessories: Refrigerant charge label;Quantity: 1;

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

Standard accessories: General safety precautions;Quantity: 1;

Standard accessories: LOT10 Energy Label;Quantity: 1;

Standard accessories: Drain cap;Quantity: 3;

Electrical Specifications				RXM50A8
Power supply	Name			V1
	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)	Maximum fuse amps (MFA)	A	13

(1)See separate drawing for operation range |

See separate drawing for electrical data |

Contains fluorinated greenhouse gases

3 Electrical data

3 - 1 Electrical Data

ARXM50A8

RXM50A8

Unit combination restriction		Power supply				COMP		OFM		IFM		
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RXP50N5V1B8	FTXP50NSV1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	11,81	13	62	7,0	0,052	0,63	0,050	0,60
		50	230					6,7				
		50	240					6,4				
RXM50A5V1B8	FTXM50A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	11,54	13	62	6,6	0,052	0,63	0,040	0,36
		50	230					6,3				
		50	240					6,0				
RXM50A5V1B8	FTXM50A5V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	11,54	13	62	6,6	0,052	0,63	0,040	0,36
		50	230					6,3				
		50	240					6,0				
RXM50A5V1B8	FCAG50BVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	11,48	13	57	6,7	0,052	0,63	0,048	0,30
		50	230					6,4				
		50	240					6,1				
RXM50A5V1B8	FBA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	12,69	13	58	6,8	0,052	0,63	0,089	1,40
		50	230					6,5				
		50	240					6,2				
RXM50A5V1B8	FHA50AVEB98	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	11,81	13	58	7,5	0,052	0,63	0,090	0,60
		50	230					7,2				
		50	240					6,9				
RXM50A5V1B8	FFA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	11,59	13	58	7,4	0,052	0,63	0,050	0,40
		50	230					7,1				
		50	240					6,8				
RXM50A5V1B8	FDXM50F3V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	12,14	13	57	7,7	0,052	0,63	0,060	0,90
		50	230					7,4				
		50	240					7,1				
RXM50A5V1B8	FNA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	11,70	13	57	7,1	0,052	0,63	0,060	0,50
		50	230					6,8				
		50	240					6,5				
RXM50A5V1B8	FVXM50B2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	11,30	13	58	6,4	0,052	0,63	0,037	0,14
		50	230					6,1				
		50	240					5,8				
ARXM50A5V1B8	ATXM50A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	11,54	13	62	6,7	0,052	0,63	0,040	0,36
		50	230					6,4				
		50	240					6,1				
ARXM50A5V1B8	ATXM50A5V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	11,54	13	62	6,7	0,052	0,63	0,040	0,36
		50	230					6,4				
		50	240					6,1				
ARXM50A5V1B8	ADEA50A2VEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	12,69	13	58	7,3	0,052	0,63	0,089	1,40
		50	230					7,0				
		50	240					6,7				

Symbols:

MCA: Minimum Circuit Amperes [A]

MFA: Maximum Fuse Amperes [A]

COMP: Compressor

RHz: Rated operating frequency [Hz]

RLA: Rated Load Amperes [A]

OFM: Outdoor fan motor

IFM: Indoor fan motor

kW: Fan motor rated output [kW]

FLA: Full Load Amperes [A]

MAX.: Maximum

MIN.: Minimum

Note:

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.

4D154334

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXM50A / RXM50A8

Cooling -50Hz 220-240V-

AFR	12,7
BF	0,23

Indoor air temperature		Outdoor temperature [°C DB]											
		20			25			30			32		
[°C WB]	[°C DB]	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	4,74	3,34	0,96	4,74	3,34	1,13	4,66	3,29	1,29	4,56	3,25	1,33
16	22	5,35	3,48	1,09	5,12	3,36	1,19	4,89	3,25	1,29	4,79	3,20	1,34
18	25	5,58	3,60	1,09	5,35	3,49	1,20	5,12	3,38	1,30	5,02	3,34	1,34
19	27	5,70	3,76	1,10	5,47	3,65	1,20	5,23	3,54	1,30	5,14	3,50	1,35
22	30	6,04	3,61	1,11	5,81	3,51	1,21	5,58	3,42	1,31	5,49	3,38	1,36
24	32	6,27	3,50	1,11	6,04	3,41	1,22	5,81	3,33	1,32	5,72	3,29	1,36

Heating -50Hz 220-240V-

AFR	14,5
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Indoor air temperature		Outdoor temperature [°C WB]											
		-15			-10			-5			0		
[°C DB]	[°C WB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	2,95	0,99	3,68	1,07	3,82	1,16	4,37	1,25	5,99	1,35	6,57	1,42	
20	2,76	1,09	3,48	1,17	3,65	1,26	4,21	1,35	5,80	1,45	6,38	1,52	
22	2,68	1,13	3,41	1,21	3,59	1,30	4,14	1,39	5,72	1,49	6,30	1,56	
24	2,61	1,17	3,33	1,25	3,52	1,34	4,07	1,43	5,65	1,53	6,22	1,60	
25	2,57	1,19	3,29	1,27	3,48	1,36	4,04	1,45	5,61	1,55	6,19	1,62	
27	2,49	1,23	3,21	1,31	3,42	1,40	3,98	1,49	5,53	1,59	6,11	1,66	

Heating capacity at nominal operating frequency, measured according to -EN14511-.

Indoor air temperature		Outdoor temperature [°C WB]											
		-20			-15			-10			-5		
[°C DB]	[°C WB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20	2,58	1,20	3,34	1,31	4,09	1,42	4,20	1,53	4,77	1,64	6,50	1,77	7,10

Heating capacity at nominal operating frequency, measured according to -EN14511-.

Symbols

AFR	Air flow rate [m ³ /min]
BF	Bypass factor
°C WB	Wet-bulb temperature [°C WB]
°C DB	Dry-bulb temperature [°C DB]
TC	Total capacity [kW]
SHC	Sensible heat capacity [kW]
PI	Power input [kW]

Notes

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
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 Nominal capacity and nominal input
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
- The capacities are based on the following conditions:
Corresponding refrigerant piping length: -5- m
Level difference: -0- m
- The air flow rate and bypass factor are mentioned in the table.

4D155042

FVXM50B / RXM50A8

Cooling -50Hz 220-240V-

AFR	11,6
BF	0,11

Indoor air temperature		Outdoor temperature [°C DB]											
		20			25			30			32		
[°C WB]	[°C DB]	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	5,03	3,54	1,02	4,89	3,47	1,15	4,66	3,34	1,25	4,56	3,30	1,29
16	22	5,35	3,53	1,05	5,12	3,41	1,15	4,89	3,30	1,25	4,79	3,25	1,29
18	25	5,58	3,66	1,06	5,35	3,55	1,16	5,12	3,44	1,26	5,02	3,40	1,30
19	27	5,70	3,83	1,06	5,47	3,72	1,16	5,23	3,62	1,26	5,14	3,58	1,30
22	30	6,04	3,68	1,07	5,81	3,58	1,17	5,58	3,49	1,27	5,49	3,46	1,31
24	32	6,27	3,57	1,08	6,04	3,48	1,18	5,81	3,40	1,28	5,72	3,37	1,32

Heating -50Hz 220-240V-

AFR	12,8
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Indoor air temperature		Outdoor temperature [°C WB]											
		-15			-10			-5			0		
[°C DB]	[°C WB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	2,96	1,06	3,69	1,15	3,83	1,24	4,38	1,33	6,00	1,43	6,58	1,51	
20	2,76	1,19	3,48	1,28	3,65	1,37	4,21	1,46	5,80	1,56	6,38	1,63	
22	2,68	1,24	3,40	1,33	3,58	1,42	4,14	1,51	5,72	1,61	6,30	1,69	
24	2,60	1,29	3,32	1,38	3,51	1,47	4,07	1,56	5,64	1,67	6,22	1,74	
25	2,56	1,32	3,28	1,41	3,48	1,50	4,03	1,59	5,60	1,69	6,18	1,76	
27	2,48	1,37	3,20	1,46	3,40	1,55	3,96	1,64	5,51	1,74	6,09	1,82	

Heating capacity at nominal operating frequency, measured according to -EN14511-.

Indoor air temperature		Outdoor temperature [°C WB]											
		-20			-15			-10			-5		
[°C DB]	[°C WB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20	2,47	1,19	3,18	1,30	3,90	1,41	4,01	1,52	4,55	1,62	6,20	1,75	6,77

Heating capacity at nominal operating frequency, measured according to -EN14511-.

Symbols

AFR	Air flow rate [m ³ /min]
BF	Bypass factor
°C WB	Wet-bulb temperature [°C WB]
°C DB	Dry-bulb temperature [°C DB]
TC	Total capacity [kW]
SHC	Sensible heat capacity [kW]
PI	Power input [kW]

Notes

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
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 Nominal capacity and nominal input
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
- The capacities are based on the following conditions:
Corresponding refrigerant piping length: -5- m
Level difference: -0- m
- The air flow rate and bypass factor are mentioned in the table.

4D155042

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FBA50A9 / RXM50A8

Cooling -50Hz 220 -240V-

AFR	15,0
BF	0,13

Indoor air temperature		Outdoor temperature [°C DB]																	
		20			25			30			32			35			40		
[°C WB]	[°C DB]	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	5,12	3,69	1,12	4,89	3,57	1,23	4,66	3,45	1,34	4,56	3,41	1,38	4,42	3,34	1,45	4,13	3,19	1,51
16	22	5,35	3,63	1,13	5,12	3,51	1,24	4,89	3,40	1,34	4,79	3,36	1,39	4,65	3,29	1,45	4,34	3,15	1,51
18	25	5,58	3,78	1,13	5,35	3,68	1,24	5,12	3,57	1,35	5,02	3,53	1,39	4,88	3,47	1,46	4,55	3,33	1,51
19	27	5,70	3,97	1,14	5,47	3,87	1,25	5,23	3,77	1,35	5,14	3,73	1,40	5,00	3,67	1,46	4,66	3,53	1,51
22	30	6,04	3,82	1,15	5,81	3,73	1,26	5,58	3,65	1,36	5,49	3,61	1,41	5,35	3,56	1,47	4,97	3,42	1,51
24	32	6,27	3,72	1,15	6,04	3,64	1,26	5,81	3,55	1,37	5,72	3,52	1,41	5,58	3,47	1,48	5,18	3,34	1,51

Heating -50Hz 220 -240V-

AFR	15,0
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Indoor air temperature		Outdoor temperature [°C WB]											
		-15		-10		-5		0		6		10	
[°C DB]		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15		2,82	1,13	3,50	1,18	3,64	1,24	4,16	1,30	5,70	1,37	6,25	1,41
20		2,62	1,24	3,30	1,30	3,46	1,36	3,99	1,41	5,50	1,48	6,05	1,53
22		2,54	1,29	3,22	1,35	3,39	1,40	3,92	1,46	5,42	1,53	5,97	1,57
24		2,46	1,34	3,15	1,39	3,33	1,45	3,85	1,51	5,34	1,58	5,89	1,62
25		2,42	1,36	3,11	1,42	3,29	1,47	3,82	1,53	5,30	1,60	5,85	1,64
27		2,34	1,41	3,03	1,46	3,22	1,52	3,75	1,58	5,22	1,65	5,77	1,69

Heating capacity at nominal operating frequency, measured according to -EN14511-.

Symbols

AFR	Air flow rate [m³/min]
BF	Bypass factor
°C WB	Wet-bulb temperature [°C WB]
°C DB	Dry-bulb temperature [°C DB]
TC	Total capacity [kW]
SHC	Sensible heat capacity [kW]
PI	Power input [kW]

Notes

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- Nominal capacity and nominal input
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
- The capacities are based on the following conditions:
Corresponding refrigerant piping length: -5 -m
Level difference: -0-m
- The air flow rate and bypass factor are mentioned in the table.

4D155043

FCAG50B / RXM50A8

Cooling -50Hz 220 -240V-

AFR	14,6
BF	0,22

Indoor air temperature		Outdoor temperature [°C DB]																	
		20			25			30			32			35			40		
[°C WB]	[°C DB]	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	4,79	3,37	1,01	4,79	3,37	1,18	4,66	3,30	1,33	4,56	3,25	1,37	4,42	3,18	1,43	4,15	3,04	1,51
16	22	5,35	3,49	1,12	5,12	3,37	1,23	4,89	3,25	1,33	4,79	3,21	1,38	4,65	3,14	1,44	4,36	3,00	1,51
18	25	5,58	3,61	1,12	5,35	3,50	1,23	5,12	3,39	1,34	5,02	3,35	1,38	4,88	3,28	1,45	4,58	3,14	1,51
19	27	5,70	3,77	1,13	5,47	3,66	1,24	5,23	3,55	1,34	5,14	3,51	1,38	5,00	3,45	1,45	4,69	3,31	1,51
22	30	6,04	3,62	1,14	5,81	3,52	1,24	5,58	3,43	1,35	5,49	3,39	1,39	5,35	3,34	1,46	5,00	3,20	1,51
24	32	6,27	3,51	1,14	6,04	3,42	1,25	5,81	3,34	1,36	5,72	3,30	1,40	5,58	3,25	1,47	5,21	3,12	1,51

Heating -50Hz 220 -240V-

AFR	14,6
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Indoor air temperature		Outdoor temperature [°C WB]											
		-15		-10		-5		0		6		10	
[°C DB]		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15		3,05	1,28	3,80	1,35	3,95	1,41	4,52	1,48	6,19	1,56	6,79	1,62
20		2,86	1,40	3,60	1,46	3,78	1,53	4,35	1,60	6,00	1,68	6,60	1,74
22		2,78	1,44	3,53	1,51	3,71	1,58	4,29	1,65	5,92	1,73	6,52	1,78
24		2,70	1,49	3,45	1,56	3,64	1,63	4,22	1,69	5,84	1,78	6,44	1,83
25		2,66	1,51	3,41	1,58	3,61	1,65	4,19	1,72	5,81	1,80	6,40	1,85
27		2,58	1,56	3,33	1,63	3,54	1,70	4,12	1,76	5,73	1,85	6,33	1,90

Heating capacity at nominal operating frequency, measured according to -EN14511-.

Symbols

AFR	Air flow rate [m³/min]
BF	Bypass factor
°C WB	Wet-bulb temperature [°C WB]
°C DB	Dry-bulb temperature [°C DB]
TC	Total capacity [kW]
SHC	Sensible heat capacity [kW]
PI	Power input [kW]

Notes

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- Nominal capacity and nominal input
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
- The capacities are based on the following conditions:
Corresponding refrigerant piping length: -5 -m
Level difference: -0-m
- The air flow rate and bypass factor are mentioned in the table.

4D155043

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FDXM50F9 / RXM50A8

Cooling -50Hz 220 -240V-

AFR	15,8
BF	0,11

Indoor air temperature		Outdoor temperature [°C DB]																	
		20			25			30			32			35			40		
[°C WB]	[°C DB]	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	5,12	3,94	1,28	4,89	3,82	1,40	4,66	3,71	1,53	4,56	3,67	1,57	4,42	3,60	1,65	3,91	3,36	1,51
16	22	5,35	3,87	1,29	5,12	3,76	1,41	4,89	3,66	1,53	4,79	3,62	1,58	4,65	3,55	1,66	4,10	3,31	1,51
18	25	5,58	4,07	1,29	5,35	3,98	1,42	5,12	3,88	1,54	5,02	3,84	1,59	4,88	3,78	1,66	4,29	3,54	1,51
19	27	5,70	4,32	1,30	5,47	4,22	1,42	5,23	4,13	1,54	5,14	4,09	1,59	5,00	4,03	1,67	4,39	3,79	1,51
22	30	6,04	4,17	1,31	5,81	4,08	1,43	5,58	4,00	1,55	5,49	3,97	1,60	5,35	3,92	1,68	4,67	3,68	1,51
24	32	6,27	4,07	1,32	6,04	3,99	1,44	5,81	3,91	1,56	5,72	3,88	1,61	5,58	3,84	1,69	4,85	3,61	1,51

Heating -50Hz 220 -240V-

AFR	15,8
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Indoor air temperature		Outdoor temperature [°C WB]											
		-15		-10		-5		0		6		10	
[°C DB]		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15		2,97	1,47	3,69	1,55	3,83	1,62	4,38	1,70	6,01	1,79	6,59	1,85
20		2,76	1,63	3,48	1,70	3,65	1,78	4,21	1,85	5,80	1,94	6,38	2,00
22		2,68	1,69	3,40	1,76	3,58	1,84	4,14	1,91	5,72	2,00	6,30	2,06
24		2,59	1,75	3,32	1,82	3,51	1,90	4,06	1,97	5,63	2,06	6,21	2,12
25		2,55	1,78	3,28	1,85	3,47	1,93	4,03	2,00	5,59	2,09	6,16	2,15
27		2,47	1,84	3,19	1,92	3,40	1,99	3,96	2,06	5,51	2,15	5,70	1,98

Heating capacity at nominal operating frequency, measured according to -EN14511-.

Symbols

AFR	Air flow rate [m³/min]
BF	Bypass factor
°C WB	Wet-bulb temperature [°C WB]
°C DB	Dry-bulb temperature [°C DB]
TC	Total capacity [kW]
SHC	Sensible heat capacity [kW]
PI	Power input [kW]

Notes

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- Nominal capacity and nominal input
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
- The capacities are based on the following conditions:
Corresponding refrigerant piping length: -5- m
Level difference: -0- m
- The air flow rate and bypass factor are mentioned in the table.

4D155043

FFA50A9 / RXM50A8

Cooling -50Hz 220 -240V-

AFR	12,7
BF	0,16

Indoor air temperature		Outdoor temperature [°C DB]																	
		20			25			30			32			35			40		
[°C WB]	[°C DB]	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	4,38	3,08	0,97	4,38	3,08	1,13	4,38	3,08	1,32	4,38	3,08	1,41	4,38	3,08	1,55	3,99	2,88	1,51
16	22	5,35	3,43	1,23	5,12	3,31	1,35	4,89	3,19	1,47	4,79	3,14	1,52	4,65	3,07	1,59	4,19	2,84	1,51
18	25	5,58	3,54	1,24	5,35	3,42	1,36	5,12	3,31	1,48	5,02	3,26	1,52	4,88	3,20	1,59	4,39	2,97	1,51
19	27	5,70	3,68	1,24	5,47	3,57	1,36	5,23	3,46	1,48	5,14	3,41	1,53	5,00	3,35	1,60	4,48	3,12	1,51
22	30	6,04	3,53	1,25	5,81	3,43	1,37	5,58	3,33	1,49	5,49	3,29	1,54	5,35	3,24	1,61	4,78	3,01	1,51
24	32	6,27	3,42	1,26	6,04	3,33	1,38	5,81	3,24	1,50	5,72	3,20	1,54	5,58	3,15	1,62	4,97	2,93	1,51

Heating -50Hz 220 -240V-

AFR	12,7
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Indoor air temperature		Outdoor temperature [°C WB]											
		-15		-10		-5		0		6		10	
[°C DB]		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15		2,95	1,31	3,67	1,38	3,82	1,45	4,37	1,52	5,99	1,60	6,57	1,66
20		2,76	1,43	3,48	1,50	3,65	1,57	4,21	1,64	5,80	1,73	6,38	1,78
22		2,69	1,48	3,41	1,55	3,59	1,62	4,14	1,69	5,72	1,77	6,30	1,83
24		2,61	1,53	3,33	1,60	3,52	1,67	4,08	1,74	5,65	1,82	6,23	1,88
25		2,57	1,55	3,30	1,62	3,49	1,69	4,05	1,76	5,61	1,85	6,19	1,90
27		2,50	1,60	3,22	1,67	3,42	1,74	3,98	1,81	5,54	1,90	6,06	1,92

Heating capacity at nominal operating frequency, measured according to -EN14511-.

Symbols

AFR	Air flow rate [m³/min]
BF	Bypass factor
°C WB	Wet-bulb temperature [°C WB]
°C DB	Dry-bulb temperature [°C DB]
TC	Total capacity [kW]
SHC	Sensible heat capacity [kW]
PI	Power input [kW]

Notes

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- Nominal capacity and nominal input
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
- The capacities are based on the following conditions:
Corresponding refrigerant piping length: -5- m
Level difference: -0- m
- The air flow rate and bypass factor are mentioned in the table.

4D155043

Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FHA50A9 / RXM50A8

Cooling -50Hz 220 -240V-

AFR	15,0
BF	0,18

Indoor air temperature		Outdoor temperature [°C DB]																	
		20			25			30			32			35			40		
[°C WB]	[°C DB]	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	5,12	3,77	1,24	4,89	3,65	1,36	4,66	3,53	1,48	4,56	3,49	1,52	4,42	3,42	1,60	3,98	3,20	1,51
16	22	5,35	3,70	1,24	5,12	3,59	1,36	4,89	3,48	1,48	4,79	3,44	1,53	4,65	3,37	1,60	4,18	3,16	1,51
18	25	5,58	3,87	1,25	5,35	3,77	1,37	5,12	3,66	1,49	5,02	3,62	1,54	4,88	3,56	1,61	4,37	3,35	1,51
19	27	5,70	4,08	1,26	5,47	3,98	1,37	5,23	3,88	1,49	5,14	3,84	1,54	5,00	3,78	1,61	4,47	3,57	1,51
22	30	6,04	3,93	1,27	5,81	3,84	1,39	5,58	3,75	1,50	5,49	3,72	1,55	5,35	3,67	1,62	4,76	3,46	1,51
24	32	6,27	3,82	1,27	6,04	3,74	1,39	5,81	3,66	1,51	5,72	3,63	1,56	5,58	3,59	1,63	4,95	3,38	1,51

Heating -50Hz 220 -240V-

AFR	15,0
-----	------

Indoor air temperature		Outdoor temperature [°C WB]											
		-15		-10		-5		0		6		10	
[°C DB]		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15		3,05	1,41	3,80	1,49	3,95	1,56	4,52	1,64	6,19	1,73	6,79	1,79
20		2,86	1,54	3,60	1,62	3,78	1,69	4,35	1,77	6,00	1,86	6,60	1,92
22		2,78	1,59	3,53	1,67	3,71	1,74	4,29	1,82	5,92	1,91	6,52	1,97
24		2,70	1,65	3,45	1,72	3,64	1,80	4,22	1,87	5,84	1,96	6,44	2,02
25		2,66	1,67	3,41	1,75	3,61	1,82	4,19	1,90	5,81	1,99	6,40	2,05
27		2,58	1,72	3,33	1,80	3,54	1,88	4,12	1,95	5,73	2,04	6,33	2,10

Heating capacity at nominal operating frequency, measured according to -EN14511-.

Symbols

AFR	Air flow rate [m³/min]
BF	Bypass factor
°C WB	Wet-bulb temperature [°C WB]
°C DB	Dry-bulb temperature [°C DB]
TC	Total capacity [kW]
SHC	Sensible heat capacity [kW]
PI	Power input [kW]

Notes

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
-  Nominal capacity and nominal input
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
- The capacities are based on the following conditions:
Corresponding refrigerant piping length: -5 -m
Level difference: -0-m
- The air flow rate and bypass factor are mentioned in the table.

4D155043

FNA50A9 / RXM50A8

Cooling -50Hz 220 -240V-

AFR	16,0
BF	0,12

Indoor air temperature		Outdoor temperature [°C DB]																	
		20			25			30			32			35			40		
[°C WB]	[°C DB]	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	5,12	3,94	1,18	4,89	3,83	1,29	4,66	3,71	1,40	4,56	3,67	1,45	4,42	3,60	1,52	4,04	3,42	1,51
16	22	5,35	3,87	1,18	5,12	3,77	1,30	4,89	3,66	1,41	4,79	3,62	1,46	4,65	3,56	1,52	4,24	3,37	1,51
18	25	5,58	4,08	1,19	5,35	3,98	1,30	5,12	3,88	1,42	5,02	3,84	1,46	4,88	3,78	1,53	4,44	3,60	1,51
19	27	5,70	4,32	1,19	5,47	4,22	1,31	5,23	4,13	1,42	5,14	4,09	1,47	5,00	4,04	1,53	4,55	3,86	1,51
22	30	6,04	4,17	1,20	5,81	4,09	1,32	5,58	4,00	1,43	5,49	3,97	1,48	5,35	3,92	1,54	4,85	3,75	1,51
24	32	6,27	4,07	1,21	6,04	3,99	1,32	5,81	3,92	1,44	5,72	3,89	1,48	5,58	3,84	1,55	5,04	3,67	1,51

Heating -50Hz 220 -240V-

AFR	16,0
-----	------

Indoor air temperature		Outdoor temperature [°C WB]											
		-15		-10		-5		0		6		10	
[°C DB]		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15		2,97	1,37	3,69	1,44	3,83	1,51	4,38	1,58	6,01	1,66	6,59	1,71
20		2,76	1,51	3,48	1,58	3,65	1,65	4,21	1,72	5,80	1,80	6,38	1,86
22		2,68	1,57	3,40	1,64	3,58	1,71	4,14	1,77	5,72	1,86	6,30	1,91
24		2,59	1,62	3,32	1,69	3,51	1,76	4,06	1,83	5,63	1,91	6,21	1,97
25		2,55	1,65	3,28	1,72	3,47	1,79	4,03	1,86	5,59	1,94	6,17	2,00
27		2,47	1,71	3,19	1,78	3,40	1,85	3,96	1,92	5,51	2,00	5,78	1,88

Heating capacity at nominal operating frequency, measured according to -EN14511-.

Symbols

AFR	Air flow rate [m³/min]
BF	Bypass factor
°C WB	Wet-bulb temperature [°C WB]
°C DB	Dry-bulb temperature [°C DB]
TC	Total capacity [kW]
SHC	Sensible heat capacity [kW]
PI	Power input [kW]

Notes

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
-  Nominal capacity and nominal input
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
- The capacities are based on the following conditions:
Corresponding refrigerant piping length: -5 -m
Level difference: -0-m
- The air flow rate and bypass factor are mentioned in the table.

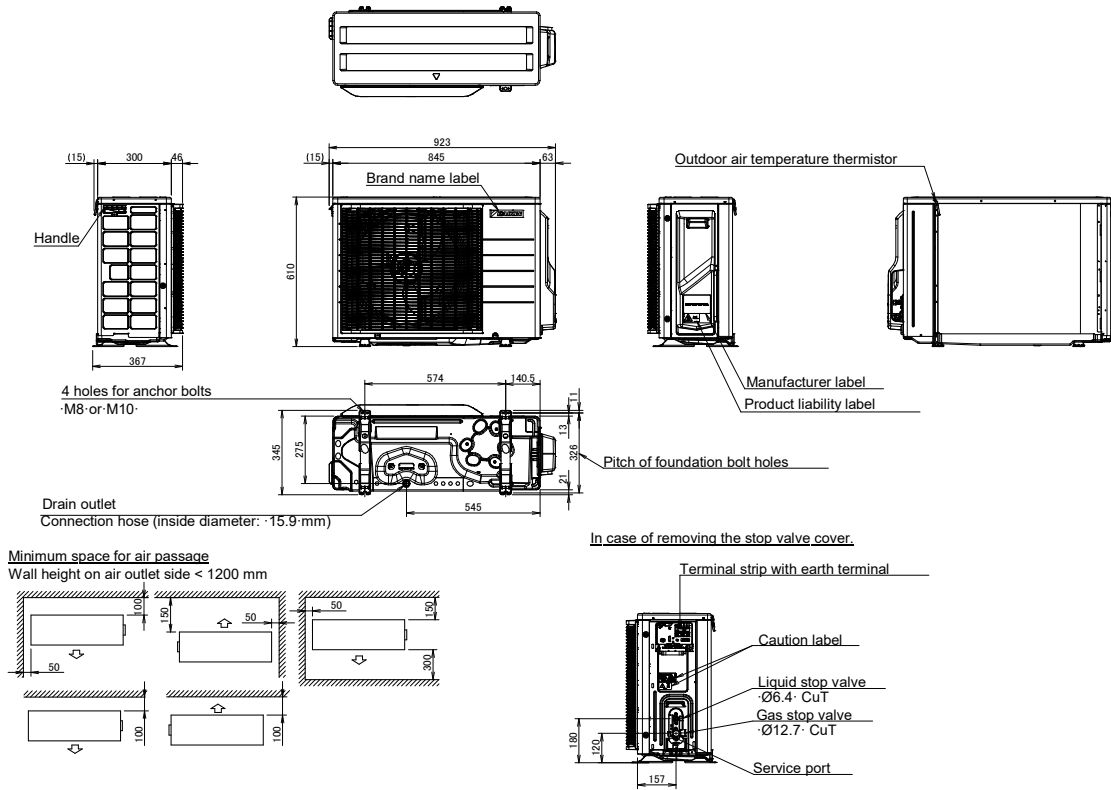
4D155043

5 Dimensional drawings

5 - 1 Dimensional Drawings

ARXM-A8

RXM-A8



3D154038

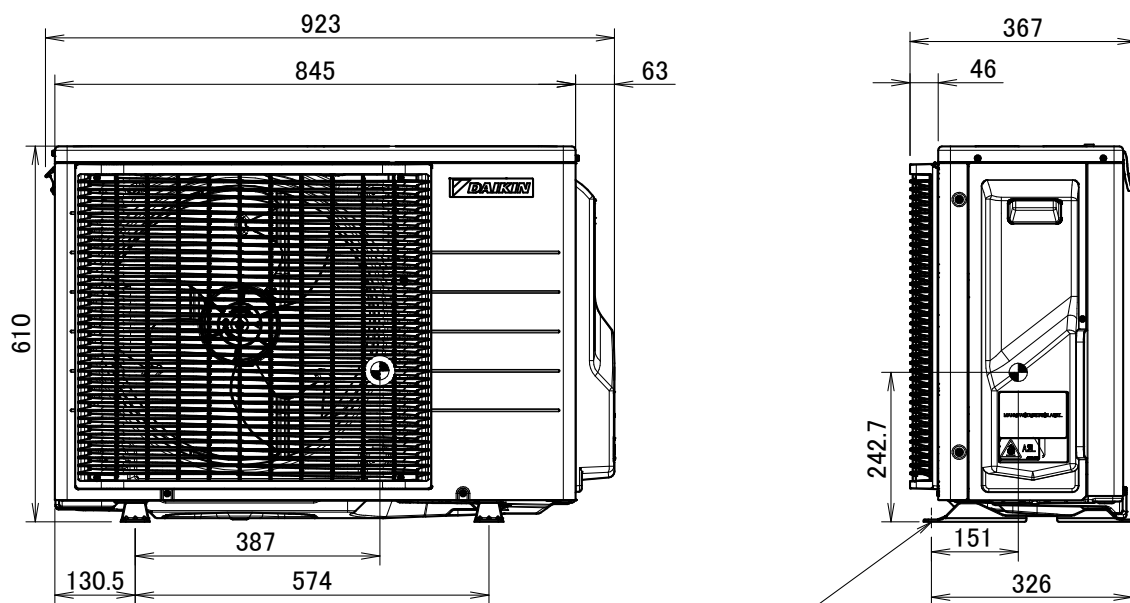
6 Centre of gravity

6 - 1 Centre of Gravity

ARXM-A8

RXM-A8

6

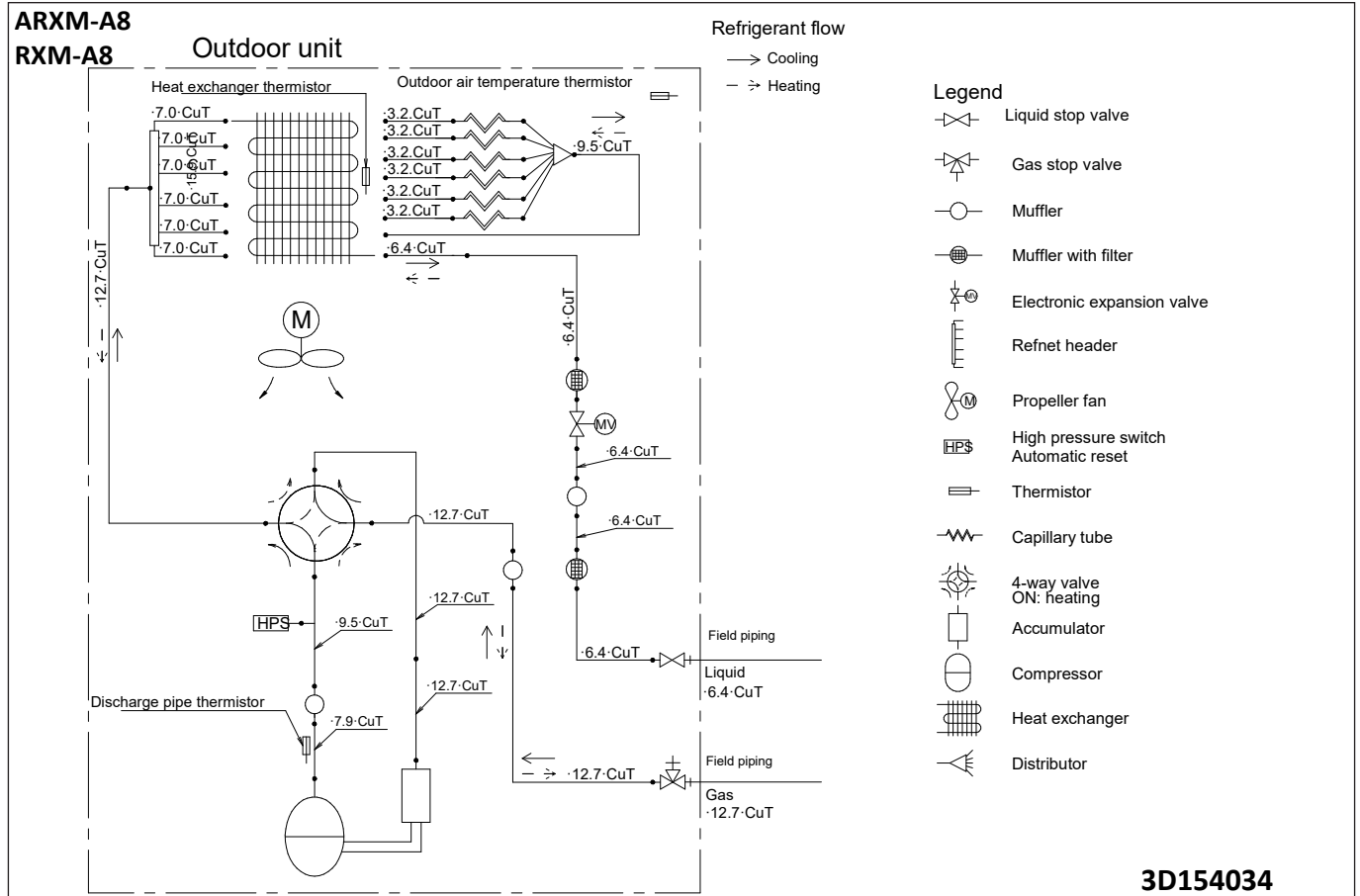


Foundation bolt hole

4D148193

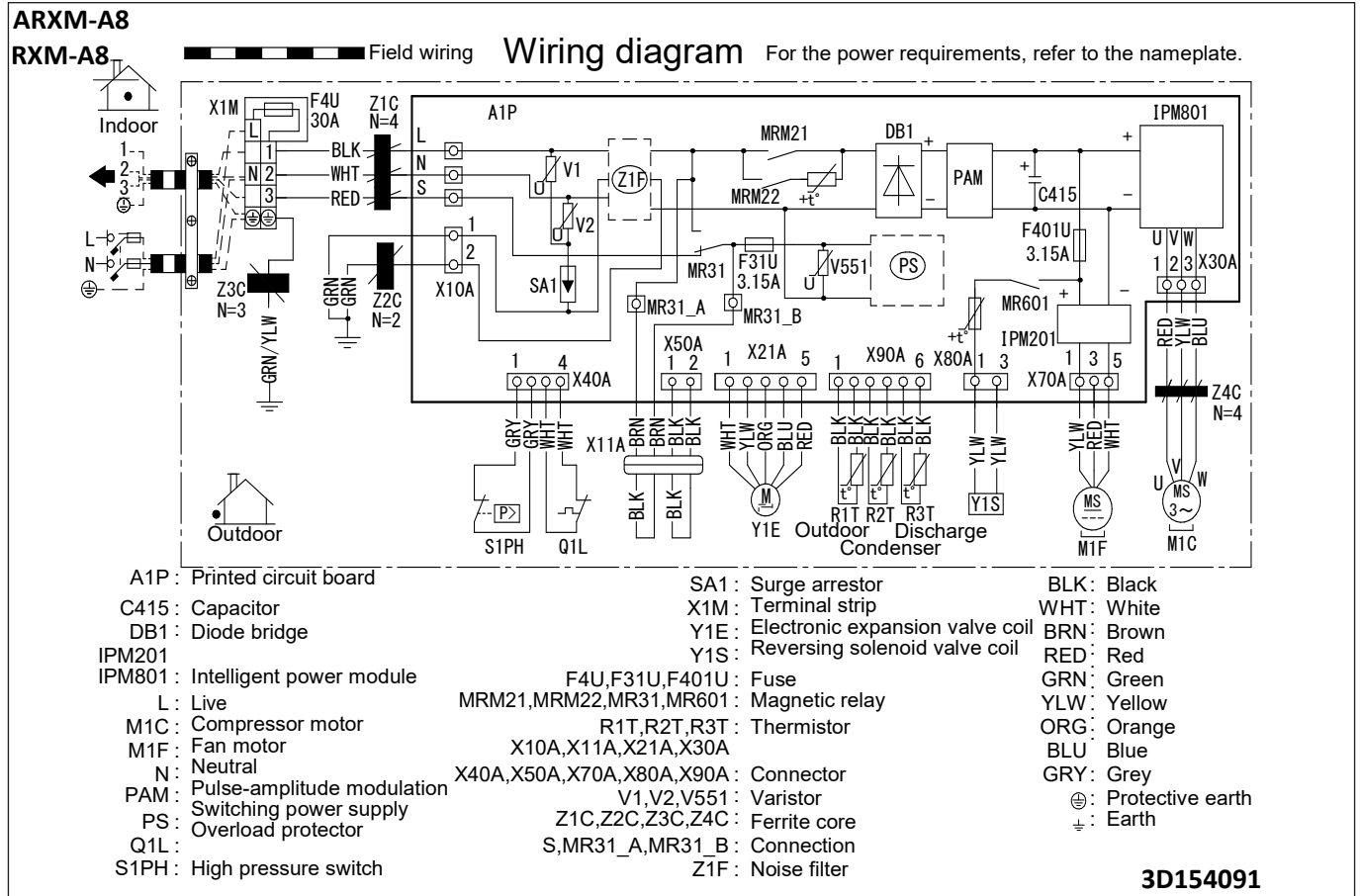
7 Piping diagrams

7 - 1 Piping Diagrams



8 Wiring diagrams

8 - 1 Wiring Diagrams - Three Phase



9 Sound data

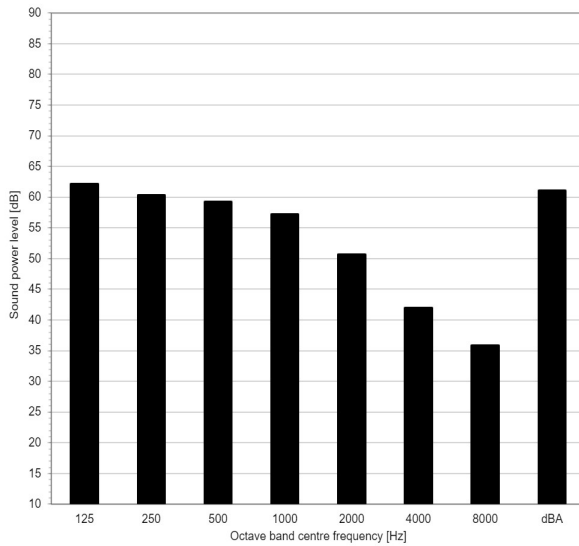
9 - 1 Sound Power Spectrum

ARXM50A8

RXM50A8

9

Cooling mode

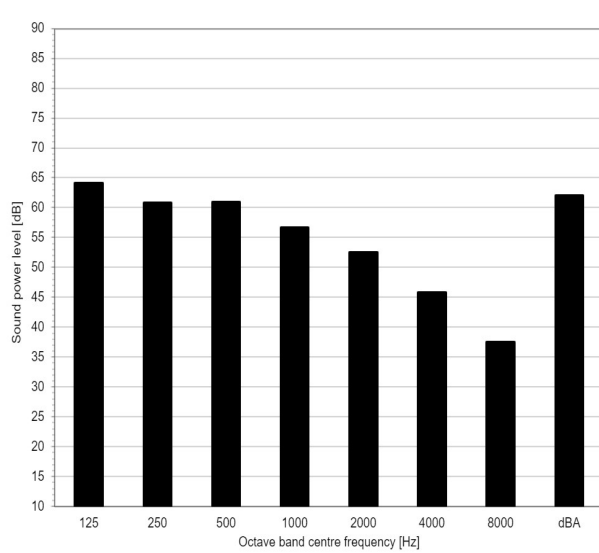


■ Fan speed: High

Notes

- 1) dBA = A-weighted sound power level (A scale according to IEC).
- 2) Reference acoustic intensity 0dB = -10^{-12} W/m².
- 3) Measured according to ISO 3744

Heating mode



■ Fan speed: High

4D154580

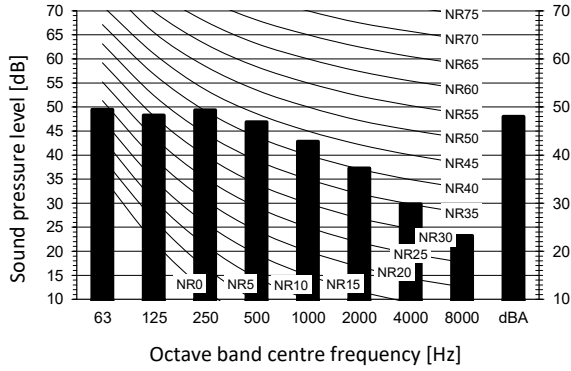
9 Sound data

9 - 2 Sound Pressure Spectrum

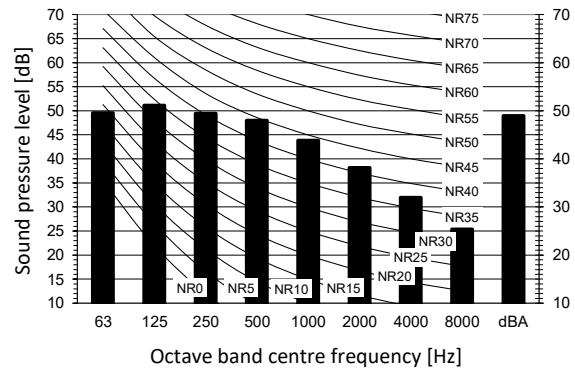
ARXM50A8 RXM50A8

9

Cooling mode



Heating mode



Legend

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

A Scale

B ■ Fan speed: High

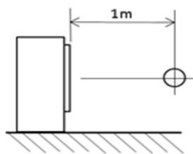
Cooling Total dB

A	B
dBA	48

Heating Total dB

A	B
dBA	49

Location of microphone



Notes

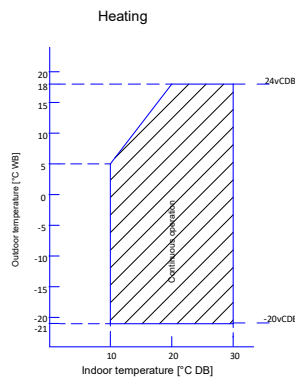
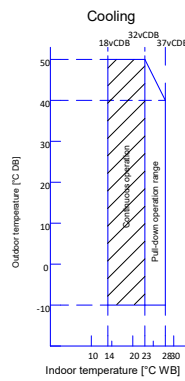
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

4D148979

10 Operation range

10 - 1 Operation Range

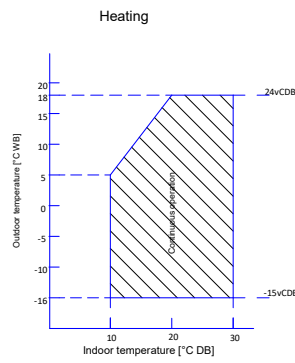
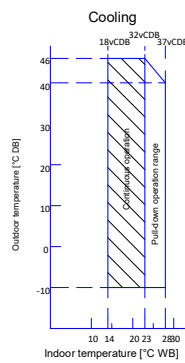
ARXM-A8 RXM-A8



Notes

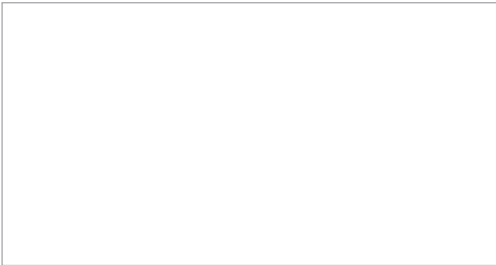
- The graphs are based on the following conditions.
Corresponding refrigerant piping length: 5 m
Level difference: 0m
Air flow rate High

Only possible in combination with ATXM*A2V1B, ATXM*A5V1B, FTXM*A2V1B, FTXM*A5V1B, FVXM*B2V1B



Only possible in combination with FCAG*BVEB, FFA*A2VEB9, FBA*A2VEB9, FHA*AVEB98, FDXM*F3V1B9, FNA*A2VEB9, ADEA*A2VEB, FVXM*A3V1B, FVXM*A3V1B9

3D148983C



EEDEN25

02/2025



Daikin Europe N.V. participates in the ECP programmes for Fan Coil Units and Variable Refrigerant Flow systems. Daikin Applied Europe S.p.A. participates in the ECP programmes for Liquid Chilling Packages and Hydronic Heat Pumps. Check ongoing validity of certificate: www.eurovent-certification.com

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