Air Conditioning Technical Data

RXA-A8



EEDEN23

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RXA-A8

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1 Features

1 - 1 RXA-A8

› 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
› Outdoor units are fitted with a swing compressor, renowned for its low noise and high energy efficiency
› Outdoor units for pair application



Outdoor unit silent operation

2 Specifications

2 - 1 Specifications

Technical specifications				FTXA20AW + RXA20A8	FTXA25AW + RXA25A8	FTXA35AW + RXA35A8
Cooling capacity			kW	1.30		1.40
			Btu/h	4,400		4,800
			kcal/h	1,118		1,204
	Nom.		kW	2.00	2.50	3.40
	Nom.		Btu/h	6,800	8,500	11,600
	Nom.		kcal/h	1,720	2,150	2,923
			kW	2.60	3.20	4.00
			Btu/h	8,900	10,900	13,600
			kcal/h	2,236	2,752	3,439
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	1.30		1.40
	Min.		Btu/h	4,400		4,800
	Min.		kcal/h	1,118		1,204
	Nom.		kW	2.00	2.50	3.40
	Nom.		Btu/h	6,800	8,500	11,600
	Nom.		kcal/h	1,720	2,150	2,923
	Max.		kW	2.60	3.20	3.60
	Max.		Btu/h	8,900	10,900	12,283
	Max.		kcal/h	2,236	2,752	3,097
Heating capacity			kW	1.30		1.40
			Btu/h	4,400		4,800
			kcal/h	1,118		1,204
	Nom.		kW	2.50	2.80	4.00
	Nom.		Btu/h	8,500	9,600	13,600
	Nom.		kcal/h	2,150	2,408	3,439
	Max.		kW	3.50	4.70	5.20
	Max.		Btu/h	11,900	16,000	17,700
	Max.		kcal/h	3,009	4,041	4,471
Heating capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	1.30		1.40
	Min.		Btu/h	4,400		4,800
	Nom.		kW	2.50	2.80	4.00
	Nom.		Btu/h	8,500	9,600	13,600
	Nom.		kcal/h	2,150	2,408	3,439
	Max.		kW	3.50	4.70	5.20
	Max.		Btu/h	11,900	16,000	17,700
	Max.		kcal/h	3,009	4,041	4,471
Power input	Cooling	Min.	kW	0.27		0.31
Power input	Cooling		kW	0.43	0.56	0.78
		Max.	kW	0.63	0.78	1.04
	Heating	Min.	kW	0.25		0.26
			kW	0.50	0.56	0.99
			kW	0.91	1.22	1.67
Power input - Low sound mode (Stb. 2020, 189)	Cooling	Min.	kW	0.27		0.31
		Nom.	kW	0.43	0.56	0.78
	Heating	Min.	kW	0.25		0.26
		Nom.	kW	0.50	0.56	0.99
Nominal efficiency	EER			4.70	4.46	4.37
	COP			5.00		4.04
	Annual energy consumption		kWh	213	280	389
	Energy labeling Directive	Cooling		A		
		Heating		A		
Nominal efficiency - Low sound mode (Stb. 2020, 189)	EER			4.65	4.42	4.37
	COP			5.00		4.04
Space cooling	Energy efficiency class			A+++		
	Capacity	Pdesign	kW	2.00	2.50	3.40
	SEER			8.75	8.74	8.73
	Annual energy consumption		kWh/a	80	100	136
Space cooling - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.00	2.50	3.40
	SEER			8.73		
	Annual energy consumption		kWh/a	80	100	136
Space heating (Average climate)	Capacity	Pdesign	kW	2.40	2.45	2.50
	Energy efficiency class			A+++		
	SCOP/A			5.15		
	SCOPnet/A			5.21		
	Pdh Heating capacity at -10°		kW	2.04	2.09	2.10
	Annual energy consumption		kWh/a	652	666	680
	Required back up heating cap at design conditions		kW	0.36		0.40

2 Specifications

2 - 1 Specifications

Technical specifications				FTXA20AW + RXA20A8	FTXA25AW + RXA25A8	FTXA35AW + RXA35A8
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.40	2.45	2.50
	SCOP/A			5.00		
	SCOPnet/A			5.05		5.06
	Pdh Heating capacity at -10°		kW	2.04	2.09	2.10
	Annual energy consumption		kWh/a	672	686	700
	Required back up heating cap at design conditions		kW	0.36		0.40
Space heating (Warm climate)	Capacity	Pdesignh	kW	1.30	1.32	1.35
Space heating (Warm climate)	Energy efficiency class			A+++		
	SCOP			6.31	6.29	
	SCOPnet			6.53	6.50	
	Annual energy consumption		kWh/a	289	294	301
	Required back up heating cap at design conditions		kW	0.00		
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	1.30	1.32	1.35
	SCOP			6.29	6.27	
	SCOPnet			6.51	6.49	
	Annual energy consumption		kWh/a	289	295	301
	Required back up heating cap at design conditions		kW	0.00		
Space cooling	A Condition	Pdc	kW	2.00	2.50	3.40
	(35°C - 27/19)	EERd		4.70	4.46	4.37
		Power input	kW	0.43	0.56	0.78
	B Condition	Pdc	kW	1.48	1.85	2.51
	(30°C - 27/19)	EERd		6.94	6.79	6.46
		Power input	kW	0.21	0.27	0.39
	C Condition	Pdc	kW	0.95	1.19	1.62
	(25°C - 27/19)	EERd		10.27	10.19	10.11
		Power input	kW	0.09	0.12	0.16
	D Condition	Pdc	kW	0.95	0.96	0.98
	(20°C - 27/19)	EERd		16.19	16.13	16.09
		Power input	kW	0.06		
Space cooling - Low sound mode (Stb. 2020, 189)	A Condition	Pdc	kW	2.00	2.50	3.40
	(35°C - 27/19)	EERd		4.65	4.42	4.37
		Power input	kW	0.43	0.57	0.78
	B Condition	Pdc	kW	1.48	1.85	2.51
	(30°C - 27/19)	EERd		6.90	6.78	6.46
		Power input	kW	0.21	0.27	0.39
	C Condition	Pdc	kW	0.95	1.19	1.62
	(25°C - 27/19)	EERd		10.27	10.19	10.11
		Power input	kW	0.09	0.12	0.16
	D Condition	Pdc	kW	0.95	0.96	0.98
	(20°C - 27/19)	EERd		16.19	16.13	16.09
		Power input	kW	0.06		
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-10		
		Pdh (declared heating cap)	kW	2.04	2.09	2.10
		COPd (declared COP)		3.27	3.26	3.20
Space heating (Average climate)	TOL	Power input	kW	0.62	0.64	0.66
	TBivalent	Tbiv (bivalent temperature)	°C	-7		
		Pdh (declared heating cap)	kW	2.13	2.17	2.22
		COPd (declared COP)		3.56	3.59	3.58
		Power input	kW	0.60		0.62
	A Condition	Pdh (declared heating cap)	kW	2.13	2.17	2.22
	(-7°C)	COPd (declared COP)		3.56	3.59	3.58
		Power input	kW	0.60		0.62
	B Condition	Pdh (declared heating cap)	kW	1.30	1.32	1.35
	(2°C)	COPd (declared COP)		5.14		5.12
		Power input	kW	0.25	0.26	
	C Condition	Pdh (declared heating cap)	kW	0.92	0.94	
	(7°C)	COPd (declared COP)		6.52	6.48	6.44
		Power input	kW	0.14	0.15	
	D Condition	Pdh (declared heating cap)	kW	1.08	1.09	1.10
	(12°C)	COPd (declared COP)		8.24	8.22	8.08
		Power input	kW	0.13		0.14

2 Specifications

2 - 1 Specifications

Technical specifications					FTXA20AW + RXA20A8	FTXA25AW + RXA25A8	FTXA35AW + RXA35A8
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)		°C	-10.00		
		Pdh (declared heating cap)		kW	2.04	2.09	2.10
		COPd (declared COP)			3.10	3.11	3.08
		Power input		kW	0.66	0.67	0.68
	TBivalent	Tbiv (bivalent temperature)		°C	-7.00		
		Pdh (declared heating cap)		kW	2.13	2.17	2.22
		COPd (declared COP)			3.32	3.35	3.34
		Power input		kW	0.64	0.65	0.66
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.13	2.17	2.22
		COPd (declared COP)			3.32	3.35	3.34
		Power input		kW	0.64	0.65	0.66
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.30	1.32	1.35
		COPd (declared COP)			4.96		4.95
		Power input		kW	0.26	0.27	
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.92	0.94	
		COPd (declared COP)			6.52	6.48	6.44
		Power input		kW	0.14	0.15	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.08	1.09	1.10
		COPd (declared COP)			8.24	8.22	8.08
		Power input		kW	0.13		0.14
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	2		
		Pdh (declared heating cap)		kW	1.30	1.32	1.35
		COPd (declared COP)			5.14		5.12
		Power input		kW	0.25	0.26	
	TBivalent	Tbiv (bivalent temperature)		°C	2		
		Pdh (declared heating cap)		kW	1.30	1.32	1.35
		COPd (declared COP)			5.14		5.12
		Power input		kW	0.25	0.26	
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.30	1.32	1.35
		COPd (declared COP)			5.14		5.12
		Power input		kW	0.25	0.26	
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.92	0.94	
		COPd (declared COP)			6.52	6.48	6.44
		Power input		kW	0.14	0.15	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.08	1.09	1.10
		COPd (declared COP)			8.24	8.22	8.08
		Power input		kW	0.13		0.14
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)		°C	2.00		
		Pdh (declared heating cap)		kW	1.30	1.32	1.35
		COPd (declared COP)			4.96		4.95
		Power input		kW	0.26	0.27	
	TBivalent	Tbiv (bivalent temperature)		°C	2.00		
		Pdh (declared heating cap)		kW	1.30	1.32	1.35
		COPd (declared COP)			4.96		4.95
		Power input		kW	0.26	0.27	
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.30	1.32	1.35
		COPd (declared COP)			4.96		4.95
		Power input		kW	0.26	0.27	
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.92	0.94	
		COPd (declared COP)			6.52	6.48	6.44
		Power input		kW	0.14	0.15	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.08	1.09	1.10
		Power input		kW	0.13		0.14
		COPd (declared COP)			8.24	8.22	8.08
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0		
	Off mode	POFF		W	1		
	Standby mode	Cooling	PSB	W	1		
Power consumption in other than active mode	Standby mode	Heating	PSB	W	1		
	Thermo-stat-off mode	PTO	Cooling	W	7		
			Heating	W	13		
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		

2 Specifications

2 - 1 Specifications

Technical specifications					FTXA20AW + RXA20A8	FTXA25AW + RXA25A8	FTXA35AW + RXA35A8
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	59		61
	Sound power level indoor	Cooling	Nom.	dBA	57		60

Electrical specifications				FTXA20AW + RXA20A8	FTXA25AW + RXA25A8	FTXA35AW + RXA35A8
Power factor	Nominal	Cooling	%	91.73	93.94	95.64
		Heating	%	93.11	93.94	98.09
Current - 50Hz	Maximum fuse amps (MFA)		A	10	13	
	Minimum circuit amps (MCA)		A	9.90	11.20	12.30
Power supply	Frequency		Hz	50		
	Voltage		V	220-240		
Voltage range	Max.		%	10.00		
	Min.		%	-10.00		

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

Technical specifications				FTXA20BB + RXA20A8	FTXA25BB + RXA25A8	FTXA35BB + RXA35A8
Cooling capacity			kW	1.30		1.40
			Btu/h	4,400		4,800
			kcal/h	1,118		1,204
	Nom.		kW	2.00	2.50	3.40
	Nom.		Btu/h	6,800	8,500	11,600
	Nom.		kcal/h	1,720	2,150	2,923
			kW	2.60	3.20	4.00
			Btu/h	8,900	10,900	13,600
			kcal/h	2,236	2,752	3,439
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	1.30		1.40
	Min.		Btu/h	4,400		4,800
	Min.		kcal/h	1,118		1,204
	Nom.		kW	2.00	2.50	3.40
	Nom.		Btu/h	6,800	8,500	11,600
	Nom.		kcal/h	1,720	2,150	2,923
	Max.		kW	2.60	3.20	3.60
	Max.		Btu/h	8,900	10,900	12,283
	Max.		kcal/h	2,236	2,752	3,097
Heating capacity			kW	1.30		1.40
			Btu/h	4,400		4,800
			kcal/h	1,118		1,204
	Nom.		kW	2.50	2.80	4.00
	Nom.		Btu/h	8,500	9,600	13,600
	Nom.		kcal/h	2,150	2,408	3,439
	Max.		kW	3.50	4.70	5.20
	Max.		Btu/h	11,900	16,000	17,700
	Max.		kcal/h	3,009	4,041	4,471
Heating capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	1.30		1.40
	Min.		Btu/h	4,400		4,800
	Nom.		kW	2.50	2.80	4.00
	Nom.		Btu/h	8,500	9,600	13,600
	Nom.		kcal/h	2,150	2,408	3,439
	Max.		kW	3.50	4.70	5.20
	Max.		Btu/h	11,900	16,000	17,700
	Max.		kcal/h	3,009	4,041	4,471
Power input	Cooling	Min.	kW	0.27		0.31
Power input	Cooling		kW	0.43	0.56	0.78
		Max.	kW	0.63	0.78	1.04
	Heating	Min.	kW	0.25		0.26
			kW	0.50	0.56	0.99
			kW	0.91	1.22	1.67
Power input - Low sound mode (Stb. 2020, 189)	Cooling	Min.	kW	0.27		0.31
		Nom.	kW	0.43	0.56	0.78
	Heating	Min.	kW	0.25		0.26
		Nom.	kW	0.50	0.56	0.99
Nominal efficiency	EER			4.70	4.46	4.37
	COP			5.00		4.04
	Annual energy consumption		kWh	213	280	389
	Energy labeling Directive	Cooling		A		
		Heating		A		

2 Specifications

2 - 1 Specifications

Technical specifications				FTXA20BB + RXA20A8	FTXA25BB + RXA25A8	FTXA35BB + RXA35A8
Nominal efficiency - Low sound mode (Stb. 2020, 189)	EER			4.65	4.42	4.37
	COP			5.00		4.04
Space cooling	Energy efficiency class			A+++		
	Capacity	Pdesign	kW	2.00	2.50	3.40
	SEER			8.75	8.74	8.73
	Annual energy consumption		kWh/a	80	100	136
Space cooling - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.00	2.50	3.40
	SEER			8.73		
	Annual energy consumption		kWh/a	80	100	136
Space heating (Average climate)	Capacity	Pdesign	kW	2.40	2.45	2.50
	Energy efficiency class			A+++		
	SCOP/A			5.15		
	SCOPnet/A			5.21		
	Pdh Heating capacity at -10°		kW	2.04	2.09	2.10
	Annual energy consumption		kWh/a	652	666	680
	Required back up heating cap at design conditions		kW	0.36		0.40
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.40	2.45	2.50
	SCOP/A			5.00		
	SCOPnet/A			5.05		5.06
	Pdh Heating capacity at -10°		kW	2.04	2.09	2.10
	Annual energy consumption		kWh/a	672	686	700
	Required back up heating cap at design conditions		kW	0.36		0.40
Space heating (Warm climate)	Capacity	Pdesignh	kW	1.30	1.32	1.35
Space heating (Warm climate)	Energy efficiency class			A+++		
	SCOP			6.31	6.29	
	SCOPnet			6.53	6.50	
	Annual energy consumption		kWh/a	289	294	301
	Required back up heating cap at design conditions		kW	0.00		
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	1.30	1.32	1.35
	SCOP			6.29	6.27	
	SCOPnet			6.51	6.49	
	Annual energy consumption		kWh/a	289	295	301
	Required back up heating cap at design conditions		kW	0.00		
Space cooling	A Condition	Pdc	kW	2.00	2.50	3.40
	(35°C - 27/19)	EERd		4.70	4.46	4.37
		Power input	kW	0.43	0.56	0.78
	B Condition	Pdc	kW	1.48	1.85	2.51
	(30°C - 27/19)	EERd		6.94	6.79	6.46
		Power input	kW	0.21	0.27	0.39
	C Condition	Pdc	kW	0.95	1.19	1.62
	(25°C - 27/19)	EERd		10.27	10.19	10.11
		Power input	kW	0.09	0.12	0.16
	D Condition	Pdc	kW	0.95	0.96	0.98
	(20°C - 27/19)	EERd		16.19	16.13	16.09
		Power input	kW	0.06		
Space cooling - Low sound mode (Stb. 2020, 189)	A Condition	Pdc	kW	2.00	2.50	3.40
	(35°C - 27/19)	EERd		4.65	4.42	4.37
		Power input	kW	0.43	0.57	0.78
	B Condition	Pdc	kW	1.48	1.85	2.51
	(30°C - 27/19)	EERd		6.90	6.78	6.46
		Power input	kW	0.21	0.27	0.39
	C Condition	Pdc	kW	0.95	1.19	1.62
	(25°C - 27/19)	EERd		10.27	10.19	10.11
		Power input	kW	0.09	0.12	0.16
	D Condition	Pdc	kW	0.95	0.96	0.98
	(20°C - 27/19)	EERd		16.19	16.13	16.09
		Power input	kW	0.06		
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-10		
		Pdh (declared heating cap)	kW	2.04	2.09	2.10
		COPd (declared COP)		3.27	3.26	3.20

2 Specifications

2 - 1 Specifications

Technical specifications				FTXA20BB + RXA20A8	FTXA25BB + RXA25A8	FTXA35BB + RXA35A8
Space heating (Average climate)	TOL	Power input	kW	0.62	0.64	0.66
	TBivalent	Tbiv (bivalent temperature)	°C	-7		
		Pdh (declared heating cap)	kW	2.13	2.17	2.22
		COPd (declared COP)		3.56	3.59	3.58
		Power input	kW	0.60		0.62
	A Condition (-7°C)	Pdh (declared heating cap)	kW	2.13	2.17	2.22
		COPd (declared COP)		3.56	3.59	3.58
		Power input	kW	0.60		0.62
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.30	1.32	1.35
		COPd (declared COP)		5.14		5.12
		Power input	kW	0.25	0.26	
	C Condition (7°C)	Pdh (declared heating cap)	kW	0.92	0.94	
		COPd (declared COP)		6.52	6.48	6.44
		Power input	kW	0.14	0.15	
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.08	1.09	1.10
		COPd (declared COP)		8.24	8.22	8.08
		Power input	kW	0.13		0.14
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)	°C	-10.00		
		Pdh (declared heating cap)	kW	2.04	2.09	2.10
		COPd (declared COP)		3.10	3.11	3.08
		Power input	kW	0.66	0.67	0.68
	TBivalent	Tbiv (bivalent temperature)	°C	-7.00		
		Pdh (declared heating cap)	kW	2.13	2.17	2.22
		COPd (declared COP)		3.32	3.35	3.34
		Power input	kW	0.64	0.65	0.66
	A Condition (-7°C)	Pdh (declared heating cap)	kW	2.13	2.17	2.22
		COPd (declared COP)		3.32	3.35	3.34
		Power input	kW	0.64	0.65	0.66
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.30	1.32	1.35
		COPd (declared COP)		4.96		4.95
		Power input	kW	0.26	0.27	
	C Condition (7°C)	Pdh (declared heating cap)	kW	0.92	0.94	
		COPd (declared COP)		6.52	6.48	6.44
		Power input	kW	0.14	0.15	
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.08	1.09	1.10
		COPd (declared COP)		8.24	8.22	8.08
		Power input	kW	0.13		0.14
Space heating (Warm climate)	TOL	Tol (temperature operating limit)	°C	2		
		Pdh (declared heating cap)	kW	1.30	1.32	1.35
		COPd (declared COP)		5.14		5.12
		Power input	kW	0.25	0.26	
	TBivalent	Tbiv (bivalent temperature)	°C	2		
		Pdh (declared heating cap)	kW	1.30	1.32	1.35
		COPd (declared COP)		5.14		5.12
		Power input	kW	0.25	0.26	
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.30	1.32	1.35
		COPd (declared COP)		5.14		5.12
		Power input	kW	0.25	0.26	
	C Condition (7°C)	Pdh (declared heating cap)	kW	0.92	0.94	
		COPd (declared COP)		6.52	6.48	6.44
		Power input	kW	0.14	0.15	
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.08	1.09	1.10
		COPd (declared COP)		8.24	8.22	8.08
		Power input	kW	0.13		0.14
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)	°C	2.00		
		Pdh (declared heating cap)	kW	1.30	1.32	1.35
		COPd (declared COP)		4.96		4.95
		Power input	kW	0.26	0.27	
	TBivalent	Tbiv (bivalent temperature)	°C	2.00		
		Pdh (declared heating cap)	kW	1.30	1.32	1.35
		COPd (declared COP)		4.96		4.95
		Power input	kW	0.26	0.27	
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.30	1.32	1.35
		COPd (declared COP)		4.96		4.95
		Power input	kW	0.26	0.27	
	C Condition (7°C)	Pdh (declared heating cap)	kW	0.92	0.94	
		COPd (declared COP)		6.52	6.48	6.44
		Power input	kW	0.14	0.15	
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.08	1.09	1.10
		Power input	kW	0.13		0.14
		COPd (declared COP)		8.24	8.22	8.08

2 Specifications

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Technical specifications					FTXA20BB + RXA20A8	FTXA25BB + RXA25A8	FTXA35BB + RXA35A8
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0		
	Off mode	POFF		W	1		
	Standby mode	Cooling	PSB	W	1		
Power consumption in other than active mode	Standby mode	Heating	PSB	W	1		
	Thermo-stat-off mode	PTO	Cooling	W	7		
			Heating	W	13		
Cooling	Cdc (Degradation cooling)				0.25		
Heating	Cdh (Degradation heating)				0.25		
Cooling function included					Yes		
Heating function included					Yes		
Average climate included					Yes		
Cold season included					No		
Warm season included					Yes		
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	59		61
	Sound power level indoor	Cooling	Nom.	dBA	57		60

Electrical specifications				FTXA20BB + RXA20A8	FTXA25BB + RXA25A8	FTXA35BB + RXA35A8
Power factor	Nominal	Cooling	%	91.73	93.94	95.64
		Heating	%	93.11	93.94	98.09
Current - 50Hz	Maximum fuse amps (MFA)		A	10	13	
	Minimum circuit amps (MCA)		A	9.90	11.20	12.30
Power supply	Frequency		Hz	50		
	Voltage		V	220-240		
Voltage range	Max.		%	10.00		
	Min.		%	-10.00		

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

Technical specifications			FTXA20BS + RXA20A8	FTXA25BS + RXA25A8	FTXA35BS + RXA35A8
Cooling capacity		kW	1.30		1.40
		Btu/h	4,400		4,800
		kcal/h	1,118		1,204
	Nom.	kW	2.00	2.50	3.40
	Nom.	Btu/h	6,800	8,500	11,600
	Nom.	kcal/h	1,720	2,150	2,923
		kW	2.60	3.20	4.00
		Btu/h	8,900	10,900	13,600
		kcal/h	2,236	2,752	3,439
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.	kW	1.30		1.40
	Min.	Btu/h	4,400		4,800
	Min.	kcal/h	1,118		1,204
	Nom.	kW	2.00	2.50	3.40
	Nom.	Btu/h	6,800	8,500	11,600
	Nom.	kcal/h	1,720	2,150	2,923
	Max.	kW	2.60	3.20	3.60
	Max.	Btu/h	8,900	10,900	12,283
	Max.	kcal/h	2,236	2,752	3,097
Heating capacity		kW	1.30		1.40
		Btu/h	4,400		4,800
		kcal/h	1,118		1,204
	Nom.	kW	2.50	2.80	4.00
	Nom.	Btu/h	8,500	9,600	13,600
	Nom.	kcal/h	2,150	2,408	3,439
	Max.	kW	3.50	4.70	5.20
	Max.	Btu/h	11,900	16,000	17,700
	Max.	kcal/h	3,009	4,041	4,471

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Technical specifications				FTXA20BS + RXA20A8	FTXA25BS + RXA25A8	FTXA35BS + RXA35A8
Heating capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	1.30		1.40
	Min.		Btu/h	4,400		4,800
	Nom.		kW	2.50	2.80	4.00
	Nom.		Btu/h	8,500	9,600	13,600
	Nom.		kcal/h	2,150	2,408	3,439
	Max.		kW	3.50	4.70	5.20
	Max.		Btu/h	11,900	16,000	17,700
	Max.		kcal/h	3,009	4,041	4,471
Power input	Cooling	Min.	kW	0.27		0.31
Power input	Cooling		kW	0.43	0.56	0.78
		Max.	kW	0.63	0.78	1.04
	Heating	Min.	kW	0.25		0.26
			kW	0.50	0.56	0.99
			kW	0.91	1.22	1.67
Power input - Low sound mode (Stb. 2020, 189)	Cooling	Min.	kW	0.27		0.31
		Nom.	kW	0.43	0.56	0.78
	Heating	Min.	kW	0.25		0.26
		Nom.	kW	0.50	0.56	0.99
Nominal efficiency	EER			4.70	4.46	4.37
	COP			5.00		4.04
	Annual energy consumption		kWh	213	280	389
	Energy labeling Directive	Cooling		A		
		Heating		A		
Nominal efficiency - Low sound mode (Stb. 2020, 189)	EER			4.65	4.42	4.37
	COP			5.00		4.04
Space cooling	Energy efficiency class			A+++		
	Capacity	Pdesign	kW	2.00	2.50	3.40
	SEER			8.75	8.74	8.73
	Annual energy consumption		kWh/a	80	100	136
Space cooling - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.00	2.50	3.40
	SEER			8.73		
	Annual energy consumption		kWh/a	80	100	136
Space heating (Average climate)	Capacity	Pdesign	kW	2.40	2.45	2.50
	Energy efficiency class			A+++		
	SCOP/A			5.15		
	SCOPnet/A			5.21		
	Pdh Heating capacity at -10°		kW	2.04	2.09	2.10
	Annual energy consumption		kWh/a	652	666	680
	Required back up heating cap at design conditions		kW	0.36		0.40
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.40	2.45	2.50
	SCOP/A			5.00		
	SCOPnet/A			5.05		5.06
	Pdh Heating capacity at -10°		kW	2.04	2.09	2.10
	Annual energy consumption		kWh/a	672	686	700
	Required back up heating cap at design conditions		kW	0.36		0.40
Space heating (Warm climate)	Capacity	Pdesignh	kW	1.30	1.32	1.35
Space heating (Warm climate)	Energy efficiency class			A+++		
	SCOP			6.31	6.29	
	SCOPnet			6.53	6.50	
	Annual energy consumption		kWh/a	289	294	301
	Required back up heating cap at design conditions		kW	0.00		
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	1.30	1.32	1.35
	SCOP			6.29	6.27	
	SCOPnet			6.51	6.49	
	Annual energy consumption		kWh/a	289	295	301
	Required back up heating cap at design conditions		kW	0.00		
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	2.00	2.50	3.40
		EERd		4.70	4.46	4.37
		Power input	kW	0.43	0.56	0.78
	B Condition (30°C - 27/19)	Pdc	kW	1.48	1.85	2.51
		EERd		6.94	6.79	6.46
		Power input	kW	0.21	0.27	0.39
	C Condition (25°C - 27/19)	Pdc	kW	0.95	1.19	1.62
		EERd		10.27	10.19	10.11
		Power input	kW	0.09	0.12	0.16
	D Condition (20°C - 27/19)	Pdc	kW	0.95	0.96	0.98
		EERd		16.19	16.13	16.09
		Power input	kW	0.06		

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Technical specifications				FTXA20BS + RXA20A8	FTXA25BS + RXA25A8	FTXA35BS + RXA35A8
Space cooling - Low sound mode (Stb. 2020, 189)	A Condition (35°C - 27/19)	Pdc	kW	2.00	2.50	3.40
		EERd		4.65	4.42	4.37
		Power input	kW	0.43	0.57	0.78
	B Condition (30°C - 27/19)	Pdc	kW	1.48	1.85	2.51
		EERd		6.90	6.78	6.46
		Power input	kW	0.21	0.27	0.39
	C Condition (25°C - 27/19)	Pdc	kW	0.95	1.19	1.62
		EERd		10.27	10.19	10.11
		Power input	kW	0.09	0.12	0.16
	D Condition (20°C - 27/19)	Pdc	kW	0.95	0.96	0.98
		EERd		16.19	16.13	16.09
		Power input	kW		0.06	
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C		-10	
		Pdh (declared heating cap)	kW	2.04	2.09	2.10
		COPd (declared COP)		3.27	3.26	3.20
Space heating (Average climate)	TOL	Power input	kW	0.62	0.64	0.66
	TBivalent	Tbiv (bivalent temperature)	°C		-7	
		Pdh (declared heating cap)	kW	2.13	2.17	2.22
		COPd (declared COP)		3.56	3.59	3.58
		Power input	kW	0.60		0.62
	A Condition (-7°C)	Pdh (declared heating cap)	kW	2.13	2.17	2.22
		COPd (declared COP)		3.56	3.59	3.58
		Power input	kW	0.60		0.62
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.30	1.32	1.35
		COPd (declared COP)		5.14		5.12
		Power input	kW	0.25	0.26	
	C Condition (7°C)	Pdh (declared heating cap)	kW	0.92	0.94	
		COPd (declared COP)		6.52	6.48	6.44
		Power input	kW	0.14	0.15	
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.08	1.09	1.10
		COPd (declared COP)		8.24	8.22	8.08
		Power input	kW	0.13		0.14
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)	°C		-10.00	
		Pdh (declared heating cap)	kW	2.04	2.09	2.10
		COPd (declared COP)		3.10	3.11	3.08
		Power input	kW	0.66	0.67	0.68
	TBivalent	Tbiv (bivalent temperature)	°C		-7.00	
		Pdh (declared heating cap)	kW	2.13	2.17	2.22
		COPd (declared COP)		3.32	3.35	3.34
		Power input	kW	0.64	0.65	0.66
	A Condition (-7°C)	Pdh (declared heating cap)	kW	2.13	2.17	2.22
		COPd (declared COP)		3.32	3.35	3.34
		Power input	kW	0.64	0.65	0.66
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.30	1.32	1.35
		COPd (declared COP)		4.96		4.95
		Power input	kW	0.26	0.27	
	C Condition (7°C)	Pdh (declared heating cap)	kW	0.92	0.94	
		COPd (declared COP)		6.52	6.48	6.44
		Power input	kW	0.14	0.15	
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.08	1.09	1.10
		COPd (declared COP)		8.24	8.22	8.08
		Power input	kW	0.13		0.14
Space heating (Warm climate)	TOL	Tol (temperature operating limit)	°C		2	
		Pdh (declared heating cap)	kW	1.30	1.32	1.35
		COPd (declared COP)		5.14		5.12
		Power input	kW	0.25	0.26	
	TBivalent	Tbiv (bivalent temperature)	°C		2	
		Pdh (declared heating cap)	kW	1.30	1.32	1.35
		COPd (declared COP)		5.14		5.12
		Power input	kW	0.25	0.26	
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.30	1.32	1.35
		COPd (declared COP)		5.14		5.12
		Power input	kW	0.25	0.26	
	C Condition (7°C)	Pdh (declared heating cap)	kW	0.92	0.94	
		COPd (declared COP)		6.52	6.48	6.44
		Power input	kW	0.14	0.15	
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.08	1.09	1.10
		COPd (declared COP)		8.24	8.22	8.08
		Power input	kW	0.13		0.14

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Technical specifications					FTXA20BS + RXA20A8	FTXA25BS + RXA25A8	FTXA35BS + RXA35A8
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)		°C	2.00		
		Pdh (declared heating cap)		kW	1.30	1.32	1.35
		COPd (declared COP)			4.96		4.95
		Power input		kW	0.26	0.27	
	TBivalent	Tbiv (bivalent temperature)		°C	2.00		
		Pdh (declared heating cap)		kW	1.30	1.32	1.35
		COPd (declared COP)			4.96		4.95
		Power input		kW	0.26	0.27	
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.30	1.32	1.35
		COPd (declared COP)			4.96		4.95
		Power input		kW	0.26	0.27	
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.92	0.94	
		COPd (declared COP)			6.52	6.48	6.44
		Power input		kW	0.14	0.15	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.08	1.09	1.10
		Power input		kW	0.13		0.14
		COPd (declared COP)			8.24	8.22	8.08
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0		
	Off mode	POFF		W	1		
	Standby mode	Cooling	PSB	W	1		
Power consumption in other than active mode	Standby mode	Heating	PSB	W	1		
	Thermo-stat-off mode	PTO	Cooling	W	7		
			Heating	W	13		
Cooling	Cdc (Degradation cooling)				0.25		
Heating	Cdh (Degradation heating)				0.25		
Cooling function included					Yes		
Heating function included					Yes		
Average climate included					Yes		
Cold season included					No		
Warm season included					Yes		
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	59		61
	Sound power level indoor	Cooling	Nom.	dBA	57		60

Electrical specifications				FTXA20BS + RXA20A8	FTXA25BS + RXA25A8	FTXA35BS + RXA35A8
Power factor	Nominal	Cooling	%	91.73	93.94	95.64
		Heating	%	93.11	93.94	98.09
Current - 50Hz	Maximum fuse amps (MFA)		A	10	13	
	Minimum circuit amps (MCA)		A	9.90	11.20	12.30
Power supply	Frequency		Hz	50		
	Voltage		V	220-240		
Voltage range	Max.		%	10.00		
	Min.		%	-10.00		

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

Technical specifications			FTXA20BT + RXA20A8	FTXA25BT + RXA25A8	FTXA35BT + RXA35A8
Cooling capacity		kW	1.30		1.40
		Btu/h	4,400		4,800
		kcal/h	1,118		1,204
	Nom.	kW	2.00	2.50	3.40
	Nom.	Btu/h	6,800	8,500	11,600
	Nom.	kcal/h	1,720	2,150	2,923
		kW	2.60	3.20	4.00
		Btu/h	8,900	10,900	13,600
		kcal/h	2,236	2,752	3,439

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2 - 1 Specifications

Technical specifications				FTXA20BT + RXA20A8	FTXA25BT + RXA25A8	FTXA35BT + RXA35A8
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	1.30		1.40
	Min.		Btu/h	4,400		4,800
	Min.		kcal/h	1,118		1,204
	Nom.		kW	2.00	2.50	3.40
	Nom.		Btu/h	6,800	8,500	11,600
	Nom.		kcal/h	1,720	2,150	2,923
	Max.		kW	2.60	3.20	3.60
	Max.		Btu/h	8,900	10,900	12,283
	Max.		kcal/h	2,236	2,752	3,097
Heating capacity			kW	1.30		1.40
			Btu/h	4,400		4,800
			kcal/h	1,118		1,204
	Nom.		kW	2.50	2.80	4.00
	Nom.		Btu/h	8,500	9,600	13,600
	Nom.		kcal/h	2,150	2,408	3,439
	Max.		kW	3.50	4.70	5.20
	Max.		Btu/h	11,900	16,000	17,700
	Max.		kcal/h	3,009	4,041	4,471
Heating capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	1.30		1.40
	Min.		Btu/h	4,400		4,800
	Nom.		kW	2.50	2.80	4.00
	Nom.		Btu/h	8,500	9,600	13,600
	Nom.		kcal/h	2,150	2,408	3,439
	Max.		kW	3.50	4.70	5.20
	Max.		Btu/h	11,900	16,000	17,700
	Max.		kcal/h	3,009	4,041	4,471
Power input	Cooling	Min.	kW	0.27		0.31
Power input	Cooling		kW	0.43	0.56	0.78
		Max.	kW	0.63	0.78	1.04
	Heating	Min.	kW	0.25		0.26
			kW	0.50	0.56	0.99
			kW	0.91	1.22	1.67
Power input - Low sound mode (Stb. 2020, 189)	Cooling	Min.	kW	0.27		0.31
		Nom.	kW	0.43	0.56	0.78
	Heating	Min.	kW	0.25		0.26
		Nom.	kW	0.50	0.56	0.99
Nominal efficiency	EER			4.70	4.46	4.37
	COP			5.00		4.04
	Annual energy consumption		kWh	213	280	389
	Energy labeling Directive	Cooling		A		
		Heating		A		
Nominal efficiency - Low sound mode (Stb. 2020, 189)	EER			4.65	4.42	4.37
	COP			5.00		4.04
Space cooling	Energy efficiency class			A+++		
	Capacity	Pdesign	kW	2.00	2.50	3.40
	SEER			8.75	8.74	8.73
	Annual energy consumption		kWh/a	80	100	136
Space cooling - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.00	2.50	3.40
	SEER			8.73		
	Annual energy consumption		kWh/a	80	100	136
Space heating (Average climate)	Capacity	Pdesign	kW	2.40	2.45	2.50
	Energy efficiency class			A+++		
	SCOP/A			5.15		
	SCOPnet/A			5.21		
	Pdh Heating capacity at -10°		kW	2.04	2.09	2.10
	Annual energy consumption		kWh/a	652	666	680
	Required back up heating cap at design conditions		kW	0.36		0.40
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.40	2.45	2.50
	SCOP/A			5.00		
	SCOPnet/A			5.05		5.06
	Pdh Heating capacity at -10°		kW	2.04	2.09	2.10
	Annual energy consumption		kWh/a	672	686	700
	Required back up heating cap at design conditions		kW	0.36		0.40
Space heating (Warm climate)	Capacity	Pdesignh	kW	1.30	1.32	1.35
Space heating (Warm climate)	Energy efficiency class			A+++		
	SCOP			6.31	6.29	
	SCOPnet			6.53	6.50	
	Annual energy consumption		kWh/a	289	294	301
	Required back up heating cap at design conditions		kW	0.00		

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Technical specifications				FTXA20BT + RXA20A8	FTXA25BT + RXA25A8	FTXA35BT + RXA35A8
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	1.30	1.32	1.35
	SCOP			6.29	6.27	
	SCOPnet			6.51	6.49	
	Annual energy consumption		kWh/a	289	295	301
	Required back up heating cap at design conditions		kW	0.00		
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	2.00	2.50	3.40
		EERd		4.70	4.46	4.37
		Power input	kW	0.43	0.56	0.78
	B Condition (30°C - 27/19)	Pdc	kW	1.48	1.85	2.51
		EERd		6.94	6.79	6.46
		Power input	kW	0.21	0.27	0.39
	C Condition (25°C - 27/19)	Pdc	kW	0.95	1.19	1.62
		EERd		10.27	10.19	10.11
		Power input	kW	0.09	0.12	0.16
	D Condition (20°C - 27/19)	Pdc	kW	0.95	0.96	0.98
		EERd		16.19	16.13	16.09
		Power input	kW	0.06		
Space cooling - Low sound mode (Stb. 2020, 189)	A Condition (35°C - 27/19)	Pdc	kW	2.00	2.50	3.40
		EERd		4.65	4.42	4.37
		Power input	kW	0.43	0.57	0.78
	B Condition (30°C - 27/19)	Pdc	kW	1.48	1.85	2.51
		EERd		6.90	6.78	6.46
		Power input	kW	0.21	0.27	0.39
	C Condition (25°C - 27/19)	Pdc	kW	0.95	1.19	1.62
		EERd		10.27	10.19	10.11
		Power input	kW	0.09	0.12	0.16
	D Condition (20°C - 27/19)	Pdc	kW	0.95	0.96	0.98
		EERd		16.19	16.13	16.09
		Power input	kW	0.06		
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-10		
		Pdh (declared heating cap)	kW	2.04	2.09	2.10
		COPd (declared COP)		3.27	3.26	3.20
Space heating (Average climate)	TOL	Power input	kW	0.62	0.64	0.66
	TBivalent	Tbiv (bivalent temperature)	°C	-7		
		Pdh (declared heating cap)	kW	2.13	2.17	2.22
		COPd (declared COP)		3.56	3.59	3.58
		Power input	kW	0.60		0.62
	A Condition (-7°C)	Pdh (declared heating cap)	kW	2.13	2.17	2.22
		COPd (declared COP)		3.56	3.59	3.58
		Power input	kW	0.60		0.62
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.30	1.32	1.35
		COPd (declared COP)		5.14		5.12
		Power input	kW	0.25	0.26	
	C Condition (7°C)	Pdh (declared heating cap)	kW	0.92	0.94	
		COPd (declared COP)		6.52	6.48	6.44
		Power input	kW	0.14	0.15	
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.08	1.09	1.10
		COPd (declared COP)		8.24	8.22	8.08
		Power input	kW	0.13		0.14
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)	°C	-10.00		
		Pdh (declared heating cap)	kW	2.04	2.09	2.10
		COPd (declared COP)		3.10	3.11	3.08
		Power input	kW	0.66	0.67	0.68
	TBivalent	Tbiv (bivalent temperature)	°C	-7.00		
		Pdh (declared heating cap)	kW	2.13	2.17	2.22
		COPd (declared COP)		3.32	3.35	3.34
		Power input	kW	0.64	0.65	0.66
	A Condition (-7°C)	Pdh (declared heating cap)	kW	2.13	2.17	2.22
		COPd (declared COP)		3.32	3.35	3.34
		Power input	kW	0.64	0.65	0.66
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.30	1.32	1.35
		COPd (declared COP)		4.96		4.95
		Power input	kW	0.26	0.27	
	C Condition (7°C)	Pdh (declared heating cap)	kW	0.92	0.94	
		COPd (declared COP)		6.52	6.48	6.44
		Power input	kW	0.14	0.15	
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.08	1.09	1.10
		COPd (declared COP)		8.24	8.22	8.08
		Power input	kW	0.13		0.14

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Technical specifications					FTXA20BT + RXA20A8	FTXA25BT + RXA25A8	FTXA35BT + RXA35A8
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	2		
		Pdh (declared heating cap)		kW	1.30	1.32	1.35
		COPd (declared COP)			5.14		5.12
		Power input		kW	0.25	0.26	
	TBivalent	Tbiv (bivalent temperature)		°C	2		
		Pdh (declared heating cap)		kW	1.30	1.32	1.35
		COPd (declared COP)			5.14		5.12
		Power input		kW	0.25	0.26	
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.30	1.32	1.35
		COPd (declared COP)			5.14		5.12
		Power input		kW	0.25	0.26	
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.92	0.94	
		COPd (declared COP)			6.52	6.48	6.44
		Power input		kW	0.14	0.15	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.08	1.09	1.10
		COPd (declared COP)			8.24	8.22	8.08
		Power input		kW	0.13		0.14
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)		°C	2.00		
		Pdh (declared heating cap)		kW	1.30	1.32	1.35
		COPd (declared COP)			4.96		4.95
		Power input		kW	0.26	0.27	
	TBivalent	Tbiv (bivalent temperature)		°C	2.00		
		Pdh (declared heating cap)		kW	1.30	1.32	1.35
		COPd (declared COP)			4.96		4.95
		Power input		kW	0.26	0.27	
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.30	1.32	1.35
		COPd (declared COP)			4.96		4.95
		Power input		kW	0.26	0.27	
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.92	0.94	
		COPd (declared COP)			6.52	6.48	6.44
		Power input		kW	0.14	0.15	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.08	1.09	1.10
		Power input		kW	0.13		0.14
		COPd (declared COP)			8.24	8.22	8.08
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0		
	Off mode	POFF		W	1		
	Standby mode	Cooling	PSB	W	1		
Power consumption in other than active mode	Standby mode	Heating	PSB	W	1		
	Thermo-stat-off mode	PTO	Cooling	W	7		
			Heating	W	13		
Cooling	Cdc (Degradation cooling)				0.25		
Heating	Cdh (Degradation heating)				0.25		
Cooling function included					Yes		
Heating function included					Yes		
Average climate included					Yes		
Cold season included					No		
Warm season included					Yes		
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	59		61
	Sound power level indoor	Cooling	Nom.	dBA	57		60

Electrical specifications				FTXA20BT + RXA20A8	FTXA25BT + RXA25A8	FTXA35BT + RXA35A8
Power factor	Nominal	Cooling	%	91.73	93.94	95.64
		Heating	%	93.11	93.94	98.09
Current - 50Hz	Maximum fuse amps (MFA)		A	10	13	
	Minimum circuit amps (MCA)		A	9.90	11.20	12.30
Power supply	Frequency		Hz	50		
	Voltage		V	220-240		
Voltage range	Max.		%	10.00		
	Min.		%	-10.00		

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

2 Specifications

2 - 1 Specifications

Technical specifications				FTXA20CB + RXA20A8	FTXA25CB + RXA25A8	FTXA35CB + RXA35A8
Cooling capacity			kW	1.30		1.40
			Btu/h	4,400		4,800
			kcal/h	1,118		1,204
	Nom.		kW	2.00	2.50	3.40
	Nom.		Btu/h	6,800	8,500	11,600
	Nom.		kcal/h	1,720	2,150	2,923
			kW	2.60	3.20	4.00
			Btu/h	8,900	10,900	13,600
			kcal/h	2,236	2,752	3,439
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	1.30		1.40
	Min.		Btu/h	4,400		4,800
	Min.		kcal/h	1,118		1,204
	Nom.		kW	2.00	2.50	3.40
	Nom.		Btu/h	6,800	8,500	11,600
	Nom.		kcal/h	1,720	2,150	2,923
	Max.		kW	2.60	3.20	3.60
	Max.		Btu/h	8,900	10,900	12,283
	Max.		kcal/h	2,236	2,752	3,097
Heating capacity			kW	1.30		1.40
			Btu/h	4,400		4,800
			kcal/h	1,118		1,204
	Nom.		kW	2.50	2.80	4.00
	Nom.		Btu/h	8,500	9,600	13,600
	Nom.		kcal/h	2,150	2,408	3,439
	Max.		kW	3.50	4.70	5.20
	Max.		Btu/h	11,900	16,000	17,700
	Max.		kcal/h	3,009	4,041	4,471
Heating capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	1.30		1.40
	Min.		Btu/h	4,400		4,800
	Nom.		kW	2.50	2.80	4.00
	Nom.		Btu/h	8,500	9,600	13,600
	Nom.		kcal/h	2,150	2,408	3,439
	Max.		kW	3.50	4.70	5.20
	Max.		Btu/h	11,900	16,000	17,700
	Max.		kcal/h	3,009	4,041	4,471
Power input	Cooling	Min.	kW	0.27		0.31
Power input	Cooling		kW	0.43	0.56	0.78
		Max.	kW	0.63	0.78	1.04
	Heating	Min.	kW	0.25		0.26
			kW	0.50	0.56	0.99
			kW	0.91	1.22	1.67
Power input - Low sound mode (Stb. 2020, 189)	Cooling	Min.	kW	0.27		0.31
		Nom.	kW	0.43	0.56	0.78
	Heating	Min.	kW	0.25		0.26
		Nom.	kW	0.50	0.56	0.99
Nominal efficiency	EER			4.70	4.46	4.37
	COP			5.00		4.04
	Annual energy consumption		kWh	213	280	389
	Energy labeling Directive	Cooling		A		
		Heating		A		
Nominal efficiency - Low sound mode (Stb. 2020, 189)	EER			4.65	4.42	4.37
	COP			5.00		4.04
Space cooling	Energy efficiency class			A+++		
	Capacity	Pdesign	kW	2.00	2.50	3.40
	SEER			8.75	8.74	8.73
	Annual energy consumption		kWh/a	80	100	136
Space cooling - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.00	2.50	3.40
	SEER			8.73		
	Annual energy consumption		kWh/a	80	100	136
Space heating (Average climate)	Capacity	Pdesign	kW	2.40	2.45	2.50
	Energy efficiency class			A+++		
	SCOP/A			5.15		
	SCOPnet/A			5.21		
	Pdh Heating capacity at -10°		kW	2.04	2.09	2.10
	Annual energy consumption		kWh/a	652	666	680
	Required back up heating cap at design conditions		kW	0.36		0.40

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2 - 1 Specifications

Technical specifications				FTXA20CB + RXA20A8	FTXA25CB + RXA25A8	FTXA35CB + RXA35A8
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.40	2.45	2.50
	SCOP/A			5.00		
	SCOPnet/A			5.05		5.06
	Pdh Heating capacity at -10°		kW	2.04	2.09	2.10
	Annual energy consumption		kWh/a	672	686	700
	Required back up heating cap at design conditions		kW	0.36		0.40
Space heating (Warm climate)	Capacity	Pdesignh	kW	1.30	1.32	1.35
Space heating (Warm climate)	Energy efficiency class			A+++		
	SCOP			6.31	6.29	
	SCOPnet			6.53	6.50	
	Annual energy consumption		kWh/a	289	294	301
	Required back up heating cap at design conditions		kW	0.00		
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	1.30	1.32	1.35
	SCOP			6.29	6.27	
	SCOPnet			6.51	6.49	
	Annual energy consumption		kWh/a	289	295	301
	Required back up heating cap at design conditions		kW	0.00		
Space cooling	A Condition	Pdc	kW	2.00	2.50	3.40
	(35°C - 27/19)	EERd		4.70	4.46	4.37
		Power input	kW	0.43	0.56	0.78
	B Condition	Pdc	kW	1.48	1.85	2.51
	(30°C - 27/19)	EERd		6.94	6.79	6.46
		Power input	kW	0.21	0.27	0.39
	C Condition	Pdc	kW	0.95	1.19	1.62
	(25°C - 27/19)	EERd		10.27	10.19	10.11
		Power input	kW	0.09	0.12	0.16
	D Condition	Pdc	kW	0.95	0.96	0.98
	(20°C - 27/19)	EERd		16.19	16.13	16.09
		Power input	kW	0.06		
Space cooling - Low sound mode (Stb. 2020, 189)	A Condition	Pdc	kW	2.00	2.50	3.40
	(35°C - 27/19)	EERd		4.65	4.42	4.37
		Power input	kW	0.43	0.57	0.78
	B Condition	Pdc	kW	1.48	1.85	2.51
	(30°C - 27/19)	EERd		6.90	6.78	6.46
		Power input	kW	0.21	0.27	0.39
	C Condition	Pdc	kW	0.95	1.19	1.62
	(25°C - 27/19)	EERd		10.27	10.19	10.11
		Power input	kW	0.09	0.12	0.16
	D Condition	Pdc	kW	0.95	0.96	0.98
	(20°C - 27/19)	EERd		16.19	16.13	16.09
		Power input	kW	0.06		
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-10		
		Pdh (declared heating cap)	kW	2.04	2.09	2.10
		COPd (declared COP)		3.27	3.26	3.20
Space heating (Average climate)	TOL	Power input	kW	0.62	0.64	0.66
	TBivalent	Tbiv (bivalent temperature)	°C	-7		
		Pdh (declared heating cap)	kW	2.13	2.17	2.22
		COPd (declared COP)		3.56	3.59	3.58
		Power input	kW	0.60		0.62
	A Condition	Pdh (declared heating cap)	kW	2.13	2.17	2.22
	(-7°C)	COPd (declared COP)		3.56	3.59	3.58
		Power input	kW	0.60		0.62
	B Condition	Pdh (declared heating cap)	kW	1.30	1.32	1.35
	(2°C)	COPd (declared COP)		5.14		5.12
		Power input	kW	0.25	0.26	
	C Condition	Pdh (declared heating cap)	kW	0.92	0.94	
	(7°C)	COPd (declared COP)		6.52	6.48	6.44
		Power input	kW	0.14	0.15	
	D Condition	Pdh (declared heating cap)	kW	1.08	1.09	1.10
	(12°C)	COPd (declared COP)		8.24	8.22	8.08
		Power input	kW	0.13		0.14

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Technical specifications					FTXA20CB + RXA20A8	FTXA25CB + RXA25A8	FTXA35CB + RXA35A8
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)		°C	-10.00		
		Pdh (declared heating cap)		kW	2.04	2.09	2.10
		COPd (declared COP)			3.10	3.11	3.08
		Power input		kW	0.66	0.67	0.68
	TBivalent	Tbiv (bivalent temperature)		°C	-7.00		
		Pdh (declared heating cap)		kW	2.13	2.17	2.22
		COPd (declared COP)			3.32	3.35	3.34
		Power input		kW	0.64	0.65	0.66
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.13	2.17	2.22
		COPd (declared COP)			3.32	3.35	3.34
		Power input		kW	0.64	0.65	0.66
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.30	1.32	1.35
		COPd (declared COP)			4.96		4.95
		Power input		kW	0.26	0.27	
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.92	0.94	
		COPd (declared COP)			6.52	6.48	6.44
		Power input		kW	0.14	0.15	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.08	1.09	1.10
		COPd (declared COP)			8.24	8.22	8.08
		Power input		kW	0.13		0.14
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	2		
		Pdh (declared heating cap)		kW	1.30	1.32	1.35
		COPd (declared COP)			5.14		5.12
		Power input		kW	0.25	0.26	
	TBivalent	Tbiv (bivalent temperature)		°C	2		
		Pdh (declared heating cap)		kW	1.30	1.32	1.35
		COPd (declared COP)			5.14		5.12
		Power input		kW	0.25	0.26	
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.30	1.32	1.35
		COPd (declared COP)			5.14		5.12
		Power input		kW	0.25	0.26	
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.92	0.94	
		COPd (declared COP)			6.52	6.48	6.44
		Power input		kW	0.14	0.15	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.08	1.09	1.10
		COPd (declared COP)			8.24	8.22	8.08
		Power input		kW	0.13		0.14
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)		°C	2.00		
		Pdh (declared heating cap)		kW	1.30	1.32	1.35
		COPd (declared COP)			4.96		4.95
		Power input		kW	0.26	0.27	
	TBivalent	Tbiv (bivalent temperature)		°C	2.00		
		Pdh (declared heating cap)		kW	1.30	1.32	1.35
		COPd (declared COP)			4.96		4.95
		Power input		kW	0.26	0.27	
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.30	1.32	1.35
		COPd (declared COP)			4.96		4.95
		Power input		kW	0.26	0.27	
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.92	0.94	
		COPd (declared COP)			6.52	6.48	6.44
		Power input		kW	0.14	0.15	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.08	1.09	1.10
		Power input		kW	0.13		0.14
		COPd (declared COP)			8.24	8.22	8.08
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0		
	Off mode	POFF		W	1		
	Standby mode	Cooling	PSB	W	1		
Power consumption in other than active mode	Standby mode	Heating	PSB	W	1		
	Thermo-stat-off mode	PTO	Cooling	W	7		
			Heating	W	13		
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		

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Technical specifications					FTXA20CB + RXA20A8	FTXA25CB + RXA25A8	FTXA35CB + RXA35A8
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	59		61
	Sound power level indoor	Cooling	Nom.	dBA	57		60

Electrical specifications				FTXA20CB + RXA20A8	FTXA25CB + RXA25A8	FTXA35CB + RXA35A8
Power factor	Nominal	Cooling	%	91.73	93.94	95.64
		Heating	%	93.11	93.94	98.09
Current - 50Hz	Maximum fuse amps (MFA)		A	10	13	
	Minimum circuit amps (MCA)		A	9.90	11.20	12.30
Power supply	Frequency		Hz	50		
	Voltage		V	220-240		
Voltage range	Max.		%	10.00		
	Min.		%	-10.00		

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

Technical specifications				FTXA20CS + RXA20A8	FTXA25CS + RXA25A8	FTXA35CS + RXA35A8
Cooling capacity			kW	1.30		1.40
			Btu/h	4,400		4,800
			kcal/h	1,118		1,204
	Nom.		kW	2.00	2.50	3.40
	Nom.		Btu/h	6,800	8,500	11,600
	Nom.		kcal/h	1,720	2,150	2,923
			kW	2.60	3.20	4.00
			Btu/h	8,900	10,900	13,600
			kcal/h	2,236	2,752	3,439
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	1.30		1.40
	Min.		Btu/h	4,400		4,800
	Min.		kcal/h	1,118		1,204
	Nom.		kW	2.00	2.50	3.40
	Nom.		Btu/h	6,800	8,500	11,600
	Nom.		kcal/h	1,720	2,150	2,923
	Max.		kW	2.60	3.20	3.60
	Max.		Btu/h	8,900	10,900	12,283
	Max.		kcal/h	2,236	2,752	3,097
Heating capacity			kW	1.30		1.40
			Btu/h	4,400		4,800
			kcal/h	1,118		1,204
	Nom.		kW	2.50	2.80	4.00
	Nom.		Btu/h	8,500	9,600	13,600
	Nom.		kcal/h	2,150	2,408	3,439
	Max.		kW	3.50	4.70	5.20
	Max.		Btu/h	11,900	16,000	17,700
	Max.		kcal/h	3,009	4,041	4,471
Heating capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	1.30		1.40
	Min.		Btu/h	4,400		4,800
	Nom.		kW	2.50	2.80	4.00
	Nom.		Btu/h	8,500	9,600	13,600
	Nom.		kcal/h	2,150	2,408	3,439
	Max.		kW	3.50	4.70	5.20
	Max.		Btu/h	11,900	16,000	17,700
	Max.		kcal/h	3,009	4,041	4,471
Power input	Cooling	Min.	kW	0.27		0.31
Power input	Cooling		kW	0.43	0.56	0.78
		Max.	kW	0.63	0.78	1.04
	Heating	Min.	kW	0.25		0.26
			kW	0.50	0.56	0.99
			kW	0.91	1.22	1.67
Power input - Low sound mode (Stb. 2020, 189)	Cooling	Min.	kW	0.27		0.31
		Nom.	kW	0.43	0.56	0.78
	Heating	Min.	kW	0.25		0.26
		Nom.	kW	0.50	0.56	0.99
Nominal efficiency	EER			4.70	4.46	4.37
	COP			5.00		4.04
	Annual energy consumption		kWh	213	280	389
	Energy labeling Directive	Cooling		A		
		Heating		A		

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Technical specifications				FTXA20CS + RXA20A8	FTXA25CS + RXA25A8	FTXA35CS + RXA35A8
Nominal efficiency - Low sound mode (Stb. 2020, 189)	EER			4.65	4.42	4.37
	COP			5.00		4.04
Space cooling	Energy efficiency class			A+++		
	Capacity	Pdesign	kW	2.00	2.50	3.40
	SEER			8.75	8.74	8.73
	Annual energy consumption		kWh/a	80	100	136
Space cooling - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.00	2.50	3.40
	SEER			8.73		
	Annual energy consumption		kWh/a	80	100	136
Space heating (Average climate)	Capacity	Pdesign	kW	2.40	2.45	2.50
	Energy efficiency class			A+++		
	SCOP/A			5.15		
	SCOPnet/A			5.21		
	Pdh Heating capacity at -10°		kW	2.04	2.09	2.10
	Annual energy consumption		kWh/a	652	666	680
	Required back up heating cap at design conditions		kW	0.36		0.40
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.40	2.45	2.50
	SCOP/A			5.00		
	SCOPnet/A			5.05		5.06
	Pdh Heating capacity at -10°		kW	2.04	2.09	2.10
	Annual energy consumption		kWh/a	672	686	700
	Required back up heating cap at design conditions		kW	0.36		0.40
Space heating (Warm climate)	Capacity	Pdesignh	kW	1.30	1.32	1.35
Space heating (Warm climate)	Energy efficiency class			A+++		
	SCOP			6.31	6.29	
	SCOPnet			6.53	6.50	
	Annual energy consumption		kWh/a	289	294	301
	Required back up heating cap at design conditions		kW	0.00		
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	1.30	1.32	1.35
	SCOP			6.29	6.27	
	SCOPnet			6.51	6.49	
	Annual energy consumption		kWh/a	289	295	301
	Required back up heating cap at design conditions		kW	0.00		
Space cooling	A Condition	Pdc	kW	2.00	2.50	3.40
	(35°C - 27/19)	EERd		4.70	4.46	4.37
		Power input	kW	0.43	0.56	0.78
	B Condition	Pdc	kW	1.48	1.85	2.51
	(30°C - 27/19)	EERd		6.94	6.79	6.46
		Power input	kW	0.21	0.27	0.39
	C Condition	Pdc	kW	0.95	1.19	1.62
	(25°C - 27/19)	EERd		10.27	10.19	10.11
		Power input	kW	0.09	0.12	0.16
	D Condition	Pdc	kW	0.95	0.96	0.98
	(20°C - 27/19)	EERd		16.19	16.13	16.09
		Power input	kW	0.06		
Space cooling - Low sound mode (Stb. 2020, 189)	A Condition	Pdc	kW	2.00	2.50	3.40
	(35°C - 27/19)	EERd		4.65	4.42	4.37
		Power input	kW	0.43	0.57	0.78
	B Condition	Pdc	kW	1.48	1.85	2.51
	(30°C - 27/19)	EERd		6.90	6.78	6.46
		Power input	kW	0.21	0.27	0.39
	C Condition	Pdc	kW	0.95	1.19	1.62
	(25°C - 27/19)	EERd		10.27	10.19	10.11
		Power input	kW	0.09	0.12	0.16
	D Condition	Pdc	kW	0.95	0.96	0.98
	(20°C - 27/19)	EERd		16.19	16.13	16.09
		Power input	kW	0.06		
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-10		
		Pdh (declared heating cap)	kW	2.04	2.09	2.10
		COPd (declared COP)		3.27	3.26	3.20

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Technical specifications				FTXA20CS + RXA20A8	FTXA25CS + RXA25A8	FTXA35CS + RXA35A8
Space heating (Average climate)	TOL	Power input	kW	0.62	0.64	0.66
	TBivalent	Tbiv (bivalent temperature)	°C	-7		
		Pdh (declared heating cap)	kW	2.13	2.17	2.22
		COPd (declared COP)		3.56	3.59	3.58
		Power input	kW	0.60		0.62
	A Condition (-7°C)	Pdh (declared heating cap)	kW	2.13	2.17	2.22
		COPd (declared COP)		3.56	3.59	3.58
		Power input	kW	0.60		0.62
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.30	1.32	1.35
		COPd (declared COP)		5.14		5.12
		Power input	kW	0.25	0.26	
	C Condition (7°C)	Pdh (declared heating cap)	kW	0.92	0.94	
		COPd (declared COP)		6.52	6.48	6.44
		Power input	kW	0.14	0.15	
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.08	1.09	1.10
		COPd (declared COP)		8.24	8.22	8.08
		Power input	kW	0.13		0.14
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)	°C	-10.00		
		Pdh (declared heating cap)	kW	2.04	2.09	2.10
		COPd (declared COP)		3.10	3.11	3.08
		Power input	kW	0.66	0.67	0.68
	TBivalent	Tbiv (bivalent temperature)	°C	-7.00		
		Pdh (declared heating cap)	kW	2.13	2.17	2.22
		COPd (declared COP)		3.32	3.35	3.34
		Power input	kW	0.64	0.65	0.66
	A Condition (-7°C)	Pdh (declared heating cap)	kW	2.13	2.17	2.22
		COPd (declared COP)		3.32	3.35	3.34
		Power input	kW	0.64	0.65	0.66
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.30	1.32	1.35
		COPd (declared COP)		4.96		4.95
		Power input	kW	0.26	0.27	
	C Condition (7°C)	Pdh (declared heating cap)	kW	0.92	0.94	
		COPd (declared COP)		6.52	6.48	6.44
		Power input	kW	0.14	0.15	
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.08	1.09	1.10
		COPd (declared COP)		8.24	8.22	8.08
		Power input	kW	0.13		0.14
Space heating (Warm climate)	TOL	Tol (temperature operating limit)	°C	2		
		Pdh (declared heating cap)	kW	1.30	1.32	1.35
		COPd (declared COP)		5.14		5.12
		Power input	kW	0.25	0.26	
	TBivalent	Tbiv (bivalent temperature)	°C	2		
		Pdh (declared heating cap)	kW	1.30	1.32	1.35
		COPd (declared COP)		5.14		5.12
		Power input	kW	0.25	0.26	
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.30	1.32	1.35
		COPd (declared COP)		5.14		5.12
		Power input	kW	0.25	0.26	
	C Condition (7°C)	Pdh (declared heating cap)	kW	0.92	0.94	
		COPd (declared COP)		6.52	6.48	6.44
		Power input	kW	0.14	0.15	
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.08	1.09	1.10
		COPd (declared COP)		8.24	8.22	8.08
		Power input	kW	0.13		0.14
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)	°C	2.00		
		Pdh (declared heating cap)	kW	1.30	1.32	1.35
		COPd (declared COP)		4.96		4.95
		Power input	kW	0.26	0.27	
	TBivalent	Tbiv (bivalent temperature)	°C	2.00		
		Pdh (declared heating cap)	kW	1.30	1.32	1.35
		COPd (declared COP)		4.96		4.95
		Power input	kW	0.26	0.27	
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.30	1.32	1.35
		COPd (declared COP)		4.96		4.95
		Power input	kW	0.26	0.27	
	C Condition (7°C)	Pdh (declared heating cap)	kW	0.92	0.94	
		COPd (declared COP)		6.52	6.48	6.44
		Power input	kW	0.14	0.15	
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.08	1.09	1.10
		Power input	kW	0.13		0.14
		COPd (declared COP)		8.24	8.22	8.08

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Technical specifications					FTXA20CS + RXA20A8	FTXA25CS + RXA25A8	FTXA35CS + RXA35A8
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0		
	Off mode	POFF		W	1		
	Standby mode	Cooling	PSB	W	1		
Power consumption in other than active mode	Standby mode	Heating	PSB	W	1		
	Thermo-stat-off mode	PTO	Cooling	W	7		
			Heating	W	13		
Cooling	Cdc (Degradation cooling)				0.25		
Heating	Cdh (Degradation heating)				0.25		
Cooling function included					Yes		
Heating function included					Yes		
Average climate included					Yes		
Cold season included					No		
Warm season included					Yes		
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	59		61
	Sound power level indoor	Cooling	Nom.	dBA	57		60

Electrical specifications				FTXA20CS + RXA20A8	FTXA25CS + RXA25A8	FTXA35CS + RXA35A8
Power factor	Nominal	Cooling	%	91.73	93.94	95.64
		Heating	%	93.11	93.94	98.09
Current - 50Hz	Maximum fuse amps (MFA)		A	10	13	
	Minimum circuit amps (MCA)		A	9.90	11.20	12.30
Power supply	Frequency		Hz	50		
	Voltage		V	220-240		
Voltage range	Max.		%	10.00		
	Min.		%	-10.00		

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

Technical specifications			FTXA20CW + RXA20A8	FTXA25CW + RXA25A8	FTXA35CW + RXA35A8
Cooling capacity		kW	1.30		1.40
		Btu/h	4,400		4,800
		kcal/h	1,118		1,204
	Nom.	kW	2.00	2.50	3.40
	Nom.	Btu/h	6,800	8,500	11,600
	Nom.	kcal/h	1,720	2,150	2,923
		kW	2.60	3.20	4.00
		Btu/h	8,900	10,900	13,600
		kcal/h	2,236	2,752	3,439
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.	kW	1.30		1.40
	Min.	Btu/h	4,400		4,800
	Min.	kcal/h	1,118		1,204
	Nom.	kW	2.00	2.50	3.40
	Nom.	Btu/h	6,800	8,500	11,600
	Nom.	kcal/h	1,720	2,150	2,923
	Max.	kW	2.60	3.20	3.60
	Max.	Btu/h	8,900	10,900	12,283
	Max.	kcal/h	2,236	2,752	3,097
Heating capacity		kW	1.30		1.40
		Btu/h	4,400		4,800
		kcal/h	1,118		1,204
	Nom.	kW	2.50	2.80	4.00
	Nom.	Btu/h	8,500	9,600	13,600
	Nom.	kcal/h	2,150	2,408	3,439
	Max.	kW	3.50	4.70	5.20
	Max.	Btu/h	11,900	16,000	17,700
	Max.	kcal/h	3,009	4,041	4,471

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Technical specifications				FTXA20CW + RXA20A8	FTXA25CW + RXA25A8	FTXA35CW + RXA35A8
Heating capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	1.30		1.40
	Min.		Btu/h	4,400		4,800
	Nom.		kW	2.50	2.80	4.00
	Nom.		Btu/h	8,500	9,600	13,600
	Nom.		kcal/h	2,150	2,408	3,439
	Max.		kW	3.50	4.70	5.20
	Max.		Btu/h	11,900	16,000	17,700
	Max.		kcal/h	3,009	4,041	4,471
Power input	Cooling	Min.	kW	0.27		0.31
Power input	Cooling		kW	0.43	0.56	0.78
		Max.	kW	0.63	0.78	1.04
	Heating	Min.	kW	0.25		0.26
			kW	0.50	0.56	0.99
			kW	0.91	1.22	1.67
Power input - Low sound mode (Stb. 2020, 189)	Cooling	Min.	kW	0.27		0.31
		Nom.	kW	0.43	0.56	0.78
	Heating	Min.	kW	0.25		0.26
		Nom.	kW	0.50	0.56	0.99
Nominal efficiency	EER			4.70	4.46	4.37
	COP			5.00		4.04
	Annual energy consumption		kWh	213	280	389
	Energy labeling Directive	Cooling		A		
		Heating		A		
Nominal efficiency - Low sound mode (Stb. 2020, 189)	EER			4.65	4.42	4.37
	COP			5.00		4.04
Space cooling	Energy efficiency class			A+++		
	Capacity	Pdesign	kW	2.00	2.50	3.40
	SEER			8.75	8.74	8.73
	Annual energy consumption		kWh/a	80	100	136
Space cooling - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.00	2.50	3.40
	SEER			8.73		
	Annual energy consumption		kWh/a	80	100	136
Space heating (Average climate)	Capacity	Pdesign	kW	2.40	2.45	2.50
	Energy efficiency class			A+++		
	SCOP/A			5.15		
	SCOPnet/A			5.21		
	Pdh Heating capacity at -10°		kW	2.04	2.09	2.10
	Annual energy consumption		kWh/a	652	666	680
	Required back up heating cap at design conditions		kW	0.36		0.40
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.40	2.45	2.50
	SCOP/A			5.00		
	SCOPnet/A			5.05		5.06
	Pdh Heating capacity at -10°		kW	2.04	2.09	2.10
	Annual energy consumption		kWh/a	672	686	700
	Required back up heating cap at design conditions		kW	0.36		0.40
Space heating (Warm climate)	Capacity	Pdesignh	kW	1.30	1.32	1.35
Space heating (Warm climate)	Energy efficiency class			A+++		
	SCOP			6.31	6.29	
	SCOPnet			6.53	6.50	
	Annual energy consumption		kWh/a	289	294	301
	Required back up heating cap at design conditions		kW	0.00		
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	1.30	1.32	1.35
	SCOP			6.29	6.27	
	SCOPnet			6.51	6.49	
	Annual energy consumption		kWh/a	289	295	301
	Required back up heating cap at design conditions		kW	0.00		
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	2.00	2.50	3.40
		EERd		4.70	4.46	4.37
		Power input	kW	0.43	0.56	0.78
	B Condition (30°C - 27/19)	Pdc	kW	1.48	1.85	2.51
		EERd		6.94	6.79	6.46
		Power input	kW	0.21	0.27	0.39
	C Condition (25°C - 27/19)	Pdc	kW	0.95	1.19	1.62
		EERd		10.27	10.19	10.11
		Power input	kW	0.09	0.12	0.16
	D Condition (20°C - 27/19)	Pdc	kW	0.95	0.96	0.98
		EERd		16.19	16.13	16.09
		Power input	kW	0.06		

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Technical specifications				FTXA20CW + RXA20A8	FTXA25CW + RXA25A8	FTXA35CW + RXA35A8
Space cooling - Low sound mode (Stb. 2020, 189)	A Condition (35°C - 27/19)	Pdc	kW	2.00	2.50	3.40
		EERd		4.65	4.42	4.37
		Power input	kW	0.43	0.57	0.78
	B Condition (30°C - 27/19)	Pdc	kW	1.48	1.85	2.51
		EERd		6.90	6.78	6.46
		Power input	kW	0.21	0.27	0.39
	C Condition (25°C - 27/19)	Pdc	kW	0.95	1.19	1.62
		EERd		10.27	10.19	10.11
		Power input	kW	0.09	0.12	0.16
	D Condition (20°C - 27/19)	Pdc	kW	0.95	0.96	0.98
		EERd		16.19	16.13	16.09
		Power input	kW		0.06	
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C		-10	
		Pdh (declared heating cap)	kW	2.04	2.09	2.10
		COPd (declared COP)		3.27	3.26	3.20
Space heating (Average climate)	TOL	Power input	kW	0.62	0.64	0.66
	TBivalent	Tbiv (bivalent temperature)	°C		-7	
		Pdh (declared heating cap)	kW	2.13	2.17	2.22
		COPd (declared COP)		3.56	3.59	3.58
		Power input	kW	0.60		0.62
	A Condition (-7°C)	Pdh (declared heating cap)	kW	2.13	2.17	2.22
		COPd (declared COP)		3.56	3.59	3.58
		Power input	kW	0.60		0.62
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.30	1.32	1.35
		COPd (declared COP)		5.14		5.12
		Power input	kW	0.25	0.26	
	C Condition (7°C)	Pdh (declared heating cap)	kW	0.92	0.94	
		COPd (declared COP)		6.52	6.48	6.44
		Power input	kW	0.14	0.15	
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.08	1.09	1.10
		COPd (declared COP)		8.24	8.22	8.08
		Power input	kW	0.13		0.14
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)	°C		-10.00	
		Pdh (declared heating cap)	kW	2.04	2.09	2.10
		COPd (declared COP)		3.10	3.11	3.08
		Power input	kW	0.66	0.67	0.68
	TBivalent	Tbiv (bivalent temperature)	°C		-7.00	
		Pdh (declared heating cap)	kW	2.13	2.17	2.22
		COPd (declared COP)		3.32	3.35	3.34
		Power input	kW	0.64	0.65	0.66
	A Condition (-7°C)	Pdh (declared heating cap)	kW	2.13	2.17	2.22
		COPd (declared COP)		3.32	3.35	3.34
		Power input	kW	0.64	0.65	0.66
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.30	1.32	1.35
		COPd (declared COP)		4.96		4.95
		Power input	kW	0.26	0.27	
	C Condition (7°C)	Pdh (declared heating cap)	kW	0.92	0.94	
		COPd (declared COP)		6.52	6.48	6.44
		Power input	kW	0.14	0.15	
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.08	1.09	1.10
		COPd (declared COP)		8.24	8.22	8.08
		Power input	kW	0.13		0.14
Space heating (Warm climate)	TOL	Tol (temperature operating limit)	°C		2	
		Pdh (declared heating cap)	kW	1.30	1.32	1.35
		COPd (declared COP)		5.14		5.12
		Power input	kW	0.25	0.26	
	TBivalent	Tbiv (bivalent temperature)	°C		2	
		Pdh (declared heating cap)	kW	1.30	1.32	1.35
		COPd (declared COP)		5.14		5.12
		Power input	kW	0.25	0.26	
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.30	1.32	1.35
		COPd (declared COP)		5.14		5.12
		Power input	kW	0.25	0.26	
	C Condition (7°C)	Pdh (declared heating cap)	kW	0.92	0.94	
		COPd (declared COP)		6.52	6.48	6.44
		Power input	kW	0.14	0.15	
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.08	1.09	1.10
		COPd (declared COP)		8.24	8.22	8.08
		Power input	kW	0.13		0.14

2 Specifications

2 - 1 Specifications

Technical specifications					FTXA20CW + RXA20A8	FTXA25CW + RXA25A8	FTXA35CW + RXA35A8
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)		°C	2.00		
		Pdh (declared heating cap)		kW	1.30	1.32	1.35
		COPd (declared COP)			4.96		4.95
		Power input		kW	0.26	0.27	
	TBivalent	Tbiv (bivalent temperature)		°C	2.00		
		Pdh (declared heating cap)		kW	1.30	1.32	1.35
		COPd (declared COP)			4.96		4.95
		Power input		kW	0.26	0.27	
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.30	1.32	1.35
		COPd (declared COP)			4.96		4.95
		Power input		kW	0.26	0.27	
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.92	0.94	
		COPd (declared COP)			6.52	6.48	6.44
		Power input		kW	0.14	0.15	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.08	1.09	1.10
		Power input		kW	0.13		0.14
		COPd (declared COP)			8.24	8.22	8.08
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0		
	Off mode	POFF		W	1		
	Standby mode	Cooling	PSB	W	1		
Power consumption in other than active mode	Standby mode	Heating	PSB	W	1		
	Thermo-stat-off mode	PTO	Cooling	W	7		
			Heating	W	13		
Cooling	Cdc (Degradation cooling)				0.25		
Heating	Cdh (Degradation heating)				0.25		
Cooling function included					Yes		
Heating function included					Yes		
Average climate included					Yes		
Cold season included					No		
Warm season included					Yes		
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	59		61
	Sound power level indoor	Cooling	Nom.	dBA	57		60

Electrical specifications				FTXA20CW + RXA20A8	FTXA25CW + RXA25A8	FTXA35CW + RXA35A8
Power factor	Nominal	Cooling	%	91.73	93.94	95.64
		Heating	%	93.11	93.94	98.09
Current - 50Hz	Maximum fuse amps (MFA)		A	10	13	
	Minimum circuit amps (MCA)		A	9.90	11.20	12.30
Power supply	Frequency		Hz	50		
	Voltage		V	220-240		
Voltage range	Max.		%	10.00		
	Min.		%	-10.00		

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

Technical Specifications				RXA20A8	RXA25A8	RXA35A8
Casing	Colour			Ivory white		
Dimensions	Unit	Height	mm	550		
		Width	mm	840		
		Depth	mm	350		
	Packed unit	Height	mm	612		
		Width	mm	906		
		Depth	mm	402		
Weight	Unit		kg	32		
	Packed unit		kg	34		
Heat exchanger	Length		mm	805		
	Rows	Quantity		2		
	Fin pitch		mm	1.40		
	Stages	Quantity		24		
	Passes	Quantity		3.1		
	Tube type			ø7 Hi-XD		
	Fin	Type		Waffle fin (PE)		

2 Specifications

2 - 1 Specifications

Technical Specifications					RXA20A8	RXA25A8	RXA35A8
Fan	Type				Propeller fan		
	Air flow rate	Cooling	Nom.	m^3/min	34.0		36.0
				cfm	1,201		1,271
		Heating	Nom.	m^3/min	28.3		
				cfm	999		
Fan motor	Model				DFC05A3VA		
	Output			W	50		
	Speed	Cooling	High	rpm	920		
			Nom.	rpm	860		920
			Low	rpm	640		
		Heating	High	rpm	860		
			Nom.	rpm	800		
			Low	rpm	380		
Compressor	Model				1YC25GXD#D		
	Type				Hermetically sealed swing compressor		
	Output			W	800.0		
Operation range	Cooling	Ambient	Min.	°CDB	-10		
			Max.	°CDB	46		
	Heating	Ambient	Min.	°CWB	-15		
				°CDB	-15		
Operation range	Heating	Ambient	Max.	°CWB	18		
				°CDB	24		
Sound power level	Cooling	Max		dBA	60.0		61.0
		Night quiet mode		dBA	56.0		
		Tonal adjustment		dBA	0		
	Heating	Max		dBA	60.0		61.0
		Nom.		dBA	59.0		61.0
		Night quiet mode		dBA	56.0		
		Tonal adjustment		dBA	0		
Sound power level - Low sound mode (Stb. 2020, 189)	Cooling	Max.		dBA	59.0		60.0
		Night quiet mode		dBA	55.0		
		Tonal adjustment		dBA	0		
	Heating	Max.		dBA	59.0		60.0
		Night quiet mode		dBA	55.0		
		Tonal adjustment		dBA	0		
Sound pressure level	Cooling	Nom.		dBA	46.0		49.0
	Heating	Nom.		dBA	47.0		49.0
Refrigerant	Type				R-32		
	Charge			kg	0.76		
	Control				Expansion valve		
	GWP				675.0		
Piping connections	Liquid	OD		mm	6.35		
	Gas	OD		mm	9.50		
	Drain	OD		mm	18		
	Piping length	OU - IU	Max.	m	20		
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)		
	Level difference	IU - OU	Max.	m	15.0		
	Heat insulation				Both liquid and gas pipes		
Capacity control	Method				Variable (inverter)		

Standard accessories: Drain plug;Quantity: 1;

Standard accessories: Installation manual;Quantity: 1;

Standard accessories: Refrigerant charge label;Quantity: 1;

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

Standard accessories: General safety precautions;Quantity: 1;

Electrical Specifications			RXA20A8	RXA25A8	RXA35A8
Power supply	Phase		1~		
	Frequency	Hz	50		
	Voltage	V	220-240		
Wiring connections	For power supply	Quantity	3		
		Remark	Earth wire included		
	For connection with indoor	Quantity	4		
		Remark	Earth wire included		

Contains fluorinated greenhouse gases |
See separate drawing for operation range |
See separate drawing for electrical data

3 Electrical data

3 - 1 Electrical Data

RXA-A8

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Outdoor unit	Indoor unit	①	②	③	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RXA20A5V1B9	FTXA20A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	9,88	10	35	1,9	0,023	0,23	0,035	0,30
		50	230					1,8				
		50	240					1,7				
RXA25A5V1B9	FTXA25A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	11,17	13	44	2,2	0,023	0,23	0,038	0,40
		50	230					2,1				
		50	240					2,1				
RXA35A5V1B9	FTXA35A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	12,29	13	59	3,3	0,023	0,23	0,041	0,40
		50	230					3,1				
		50	240					3,0				
RXA20A5V1B8	FTXA20C2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	9,88	10	35	1,9	0,023	0,23	0,035	0,30
		50	230					1,8				
		50	240					1,7				
RXA25A5V1B8	FTXA25C2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	11,17	13	44	2,2	0,023	0,23	0,038	0,40
		50	230					2,1				
		50	240					2,1				
RXA35A5V1B8	FTXA35C2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	12,29	13	59	3,3	0,023	0,23	0,041	0,40
		50	230					3,1				
		50	240					3,0				

Notes

1. The ·RLA· is based on the following conditions.
   Indoor temperature ·27·°C DB / ·19·°C WB
   Outdoor temperature ·35·°C DB
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.

Symbols

①	Hz
②	Voltage
③	Voltage range
MCA	Minimum Circuit Ampere [A]
MFA	Maximum Fuse Ampere [A]
RLA	Rated load amps [A]
COMP	Compressor
OFM	Outdoor fan motor
IFM	Indoor fan motor
FLA	Full Load Ampere [A]
kW	Fan motor rated output [kW]
RHz	Rated operating frequency [Hz]

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4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXA20C(W/B/S) / RXA20A8
FTXA20AW / RXA20A8
FTXA20B(B/S/T) / RXA20A8

Cooling ·50Hz 220-240V·

AFR	11
BF	0,154

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	2,05	2,05	0,33	1,96	1,96	0,36	1,86	1,86	0,39	1,83	1,83	0,40	1,77	1,77	0,42	1,68	1,68	0,45
16	22	2,14	2,14	0,33	2,05	2,05	0,36	1,95	1,95	0,39	1,92	1,92	0,40	1,86	1,86	0,42	1,77	1,77	0,45
18	25	2,23	2,23	0,33	2,14	2,14	0,36	2,05	2,05	0,39	2,01	2,01	0,41	1,95	1,95	0,42	1,86	1,86	0,46
19	27	2,28	2,28	0,33	2,19	2,19	0,36	2,09	2,09	0,39	2,06	2,06	0,41	**2,00**	**2,00**	**0,43**	1,91	1,91	0,46
22	30	2,42	2,42	0,33	2,32	2,32	0,37	2,23	2,23	0,40	2,19	2,19	0,41	2,14	2,14	0,43	2,05	2,05	0,46
24	32	2,51	2,33	0,34	2,42	2,42	0,37	2,32	2,32	0,40	2,29	2,29	0,41	2,23	2,23	0,43	2,14	2,14	0,46

Heating ·50Hz 220-240V·

AFR	10,9

Indoor temperature	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	1,19	0,32	1,43	0,37	1,67	0,37	1,91	0,46	2,59	0,49	2,81	0,51
20	1,12	0,33	1,36	0,38	1,60	0,38	1,84	0,48	**2,50**	**0,50**	2,73	0,52
22	1,09	0,33	1,33	0,38	1,57	0,38	1,81	0,48	2,47	0,50	2,69	0,52
24	1,06	0,34	1,30	0,39	1,54	0,39	1,78	0,48	2,43	0,51	2,66	0,53
25	1,04	0,34	1,28	0,39	1,52	0,39	1,76	0,49	2,41	0,51	2,64	0,53
27	1,01	0,34	1,25	0,39	1,49	0,39	1,73	0,49	2,38	0,52	2,61	0,53

Heating capacity at nominal operating frequency, measured according to ·EN 14511·.

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
20	1,81	0,60	2,21	0,65	2,30	0,70	2,65	0,75	3,50	0,81	3,82	0,85

Heating capacity at maximum operating frequency, measured according to EN 14511

Notes

1) The bold cells indicate the standard conditions.
2) The capacities are based on the following conditions:
   Corresponding refrigerant piping length: ·5· m
   Level difference: ·0·m
3) The air flow rate and bypass factor are mentioned in the table.
4) The ratings shown are net capacities which include a deduction for indoor fan motor heat.
5) 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).

Symbols

AFR: Air flow rate [m³/min]
BF: Bypass factor
EWB: Entering wet-bulb temperature (°C WB)
EDB: Entering dry-bulb temperature (°C DB)
TC: Total capacity [kW]
SHC: Sensible heat capacity [kW]
PI: Power input [kW]

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FTXA25C(W/B/S) / RXA25A8
FTXA25AW / RXA25A8
FTXA25B(B/S/T) / RXA25A8

Cooling ·50Hz 220–240V·

AFR	11,5
BF	0,167

Indoor temperature		Outdoor temperature [° C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	2,56	2,12	0,43	2,44	2,11	0,47	2,33	2,11	0,51	2,28	2,11	0,53	2,21	2,12	0,55	2,10	2,10	0,60
16	22	2,68	2,00	0,43	2,56	1,98	0,47	2,44	1,96	0,52	2,40	1,96	0,53	2,33	1,96	0,56	2,21	1,97	0,60
18	25	2,79	2,16	0,43	2,68	2,15	0,48	2,56	2,16	0,52	2,51	2,17	0,53	2,44	2,19	0,56	2,33	2,24	0,60
19	27	2,85	2,42	0,44	2,73	2,46	0,48	2,62	2,52	0,52	2,57	2,57	0,54	**2,50**	**2,50**	**0,56**	2,38	2,38	0,60
22	30	3,02	2,14	0,44	2,91	2,14	0,48	2,79	2,17	0,52	2,74	2,18	0,54	2,67	2,21	0,56	2,56	2,27	0,61
24	32	3,14	1,97	0,44	3,02	1,97	0,48	2,90	1,98	0,53	2,86	1,98	0,54	2,79	2,00	0,57	2,67	2,03	0,61

Heating ·50Hz 220–240V·

AFR	11,1

Indoor temperature	Outdoor temperature [° C WB]											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	1,33	0,36	1,60	0,42	1,87	0,42	2,14	0,52	2,90	0,55	3,15	0,57
20	1,25	0,37	1,52	0,43	1,79	0,43	2,06	0,53	**2,80**	**0,56**	3,05	0,58
22	1,22	0,37	1,49	0,43	1,76	0,43	2,02	0,54	2,76	0,57	3,01	0,58
24	1,19	0,38	1,45	0,43	1,72	0,43	1,99	0,54	2,72	0,57	2,98	0,59
25	1,17	0,38	1,44	0,44	1,71	0,44	1,98	0,54	2,70	0,57	2,96	0,59
27	1,14	0,38	1,41	0,44	1,67	0,44	1,94	0,55	2,66	0,58	2,92	0,60

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

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
20	2,42	0,93	2,97	1,00	3,09	1,08	3,56	1,16	4,70	1,26	5,13	1,32

Heating capacity at maximum operating frequency, measured according to EN 14511

Notes

1) The bold cells indicate the standard conditions.
2) The capacities are based on the following conditions:
   Corresponding refrigerant piping length: ·5· m
   Level difference: ·0·m
3) The air flow rate and bypass factor are mentioned in the table.
4) The ratings shown are net capacities which include a deduction for indoor fan motor heat.
5) 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).

Symbols

AFR: Air flow rate [m³/min]
BF: Bypass factor
EWB: Entering wet-bulb temperature (°C WB)
EDB: Entering dry-bulb temperature (°C DB)
TC: Total capacity [kW]
SHC: Sensible heat capacity [kW]
PI: Power input [kW]

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4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXA35C(W/B/S) / RXA35A8
FTXA35AW / RXA35A8
FTXA35B(B/S/T) / RXA35A8

Cooling ·50Hz 220–240V·

AFR	11,9
BF	0,189

Indoor temperature		Outdoor temperature [° C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	3,48	2,66	0,60	3,33	2,61	0,65	3,17	2,57	0,71	3,10	2,56	0,73	3,01	2,54	0,77	2,85	2,53	0,83
16	22	3,64	2,53	0,60	3,48	2,47	0,66	3,32	2,43	0,72	3,26	2,41	0,74	3,17	2,39	0,77	3,01	2,36	0,83
18	25	3,80	2,66	0,60	3,64	2,63	0,66	3,48	2,60	0,72	3,42	2,59	0,74	3,32	2,59	0,78	3,16	2,59	0,83
19	27	3,87	2,90	0,61	3,72	2,89	0,66	3,56	2,89	0,72	3,49	2,90	0,74	3,40	2,91	0,78	3,24	2,97	0,84
22	30	4,11	2,61	0,61	3,95	2,59	0,67	3,79	2,57	0,73	3,73	2,57	0,75	3,63	2,56	0,78	3,48	2,58	0,84
24	32	4,27	2,44	0,61	4,11	2,41	0,67	3,95	2,38	0,73	3,89	2,38	0,75	3,79	2,37	0,79	3,63	2,36	0,84

Heating ·50Hz 220–240V·

AFR	11,5

Indoor temperature	Outdoor temperature [° C WB]											
EDB	−15		−10		−5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	1,90	0,64	2,29	0,74	2,67	0,74	3,06	0,92	4,14	0,97	4,50	1,00
20	1,79	0,66	2,17	0,75	2,56	0,75	2,94	0,94	4,00	0,99	4,36	1,02
22	1,74	0,66	2,12	0,76	2,51	0,76	2,89	0,95	3,94	1,00	4,31	1,03
24	1,69	0,67	2,08	0,77	2,46	0,77	2,85	0,96	3,89	1,01	4,25	1,04
25	1,67	0,67	2,05	0,77	2,44	0,77	2,82	0,96	3,86	1,01	4,22	1,04
27	1,62	0,68	2,01	0,78	2,39	0,78	2,77	0,97	3,81	1,02	4,17	1,05

Heating capacity at nominal operating frequency, measured according to ·EN 14511·.

Indoor temperature	Outdoor temperature [° C WB]											
EDB	−15		−10		−5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20	2,7	1,2	3,3	1,3	3,2	1,4	3,7	1,5	5,2	1,7	5,6	1,7

Heating capacity at maximum operating frequency, measured according to EN 14511

Notes

1) The bold cells indicate the standard conditions.
2) The capacities are based on the following conditions:
   Corresponding refrigerant piping length: ·5· m
   Level difference: ·0·m
3) The air flow rate and bypass factor are mentioned in the table.
4) The ratings shown are net capacities which include a deduction for indoor fan motor heat.
5) 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).

Symbols

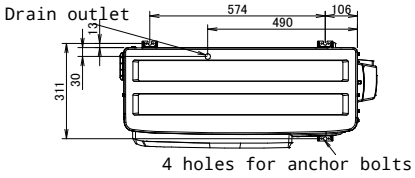
AFR: Air flow rate [m³/min]
BF: Bypass factor
EWB Entering wet-bulb temperature (°C WB)
EDB: Entering dry-bulb temperature (°C DB)
TC: Total capacity [kW]
SHC: Sensible heat capacity [kW]
PI: Power input [kW]

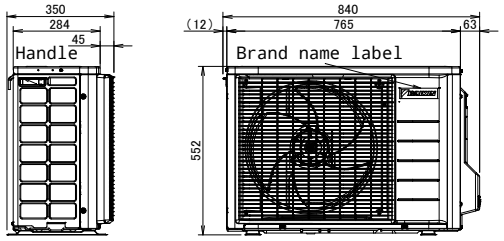
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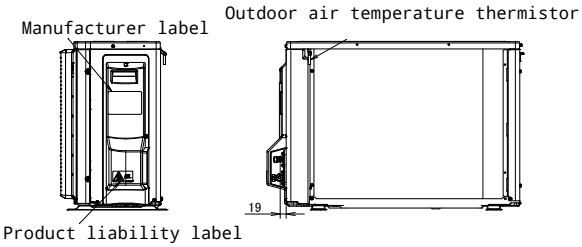
5 Dimensional drawings

5 - 1 Dimensional Drawings

RXA-A8

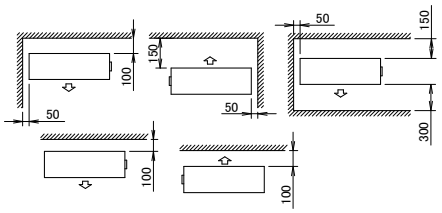




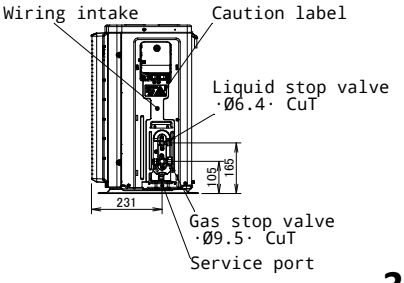


Minimum space for air passage

Wall height on air outlet side < 1200 mm



In case of removing the stop valve cover.

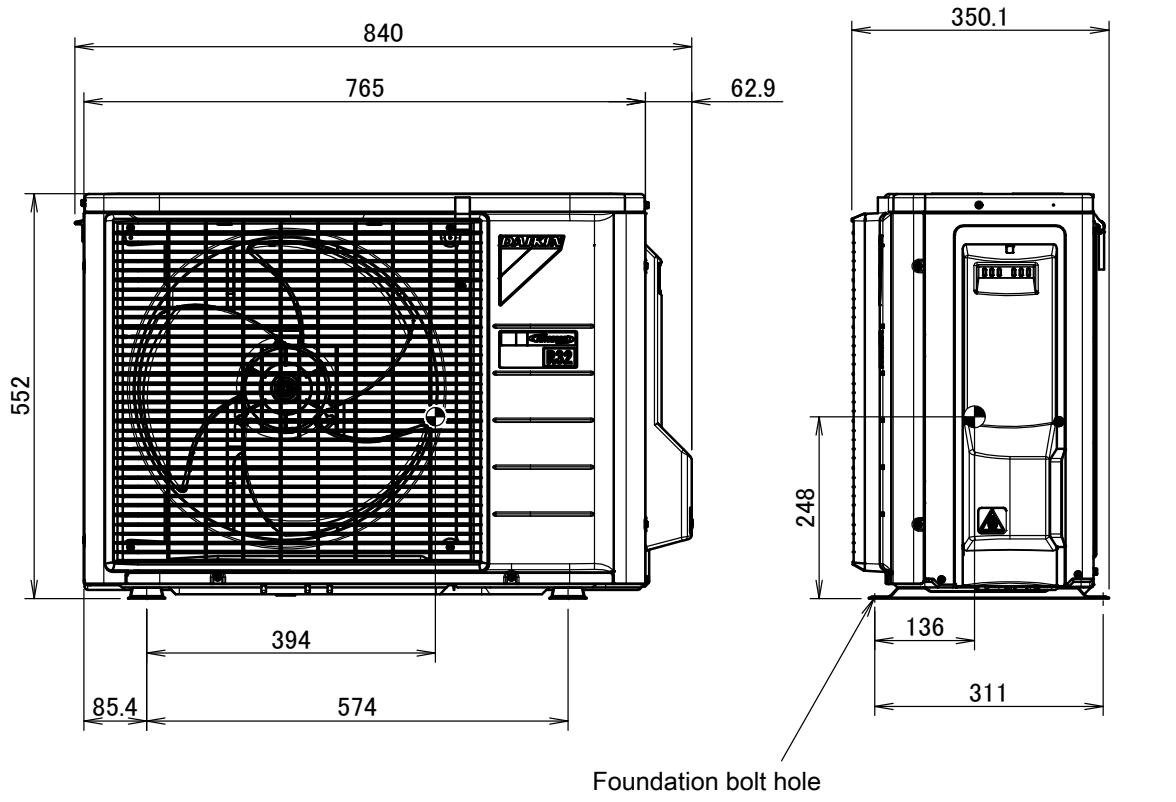


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6 Centre of gravity

6 - 1 Centre of Gravity

RXA-A8

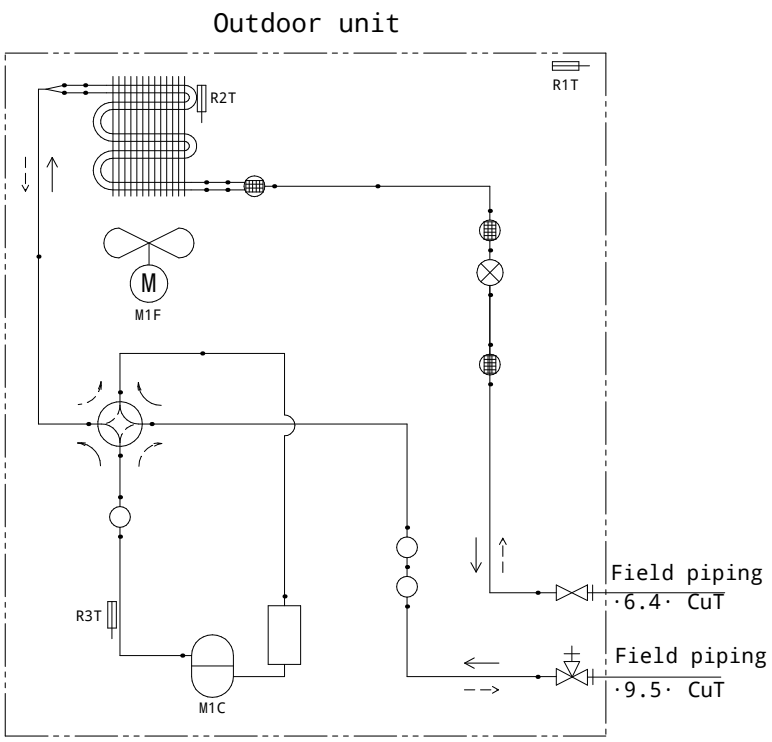


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7 Piping diagrams

7 - 1 Piping Diagrams

RXA-A8



Legend

- Liquid stop valve
- Gas stop valve
- Muffler
- Muffler with filter
- Electronic expansion valve
- Filter
- Propeller fan
- Thermistor
- 4-way valve
- Accumulator
- Compressor
- Heat exchanger

Refrigerant flow

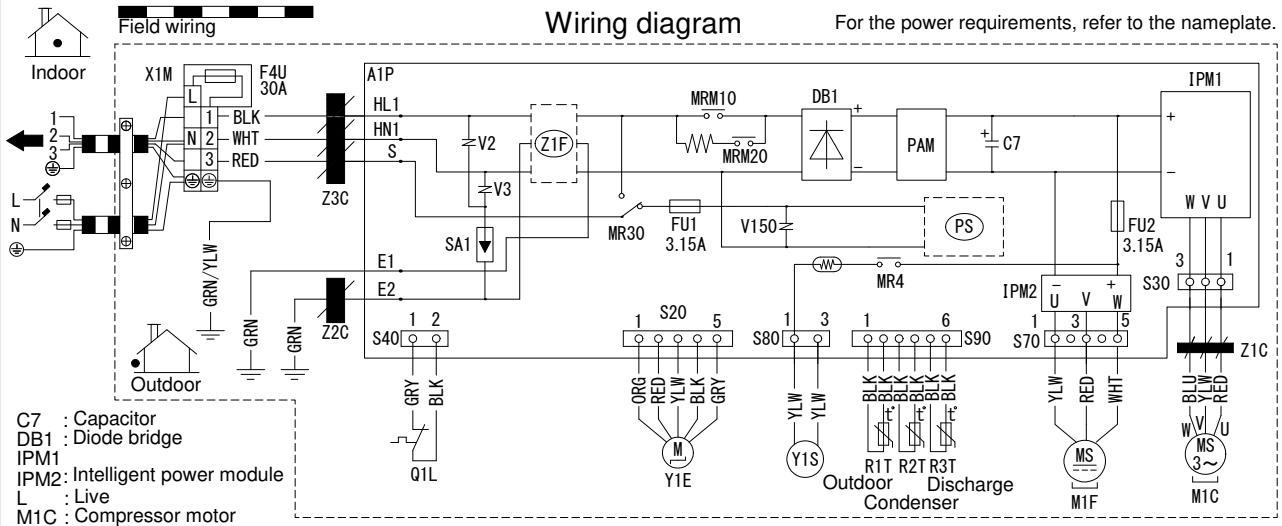
- Cooling
- Heating

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8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

RXA-A8



C7 : Capacitor
DB1 : Diode bridge
IPM1
IPM2: Intelligent power module
L : Live
M1C : Compressor motor
M1F : Fan motor
N : Neutral
PAM : Pulse-amplitude modulation
A1P : Printed circuit board
PS : Switching power supply
Q1L : Overload protector
SA1 : Surge arrestor
X1M : Terminal strip
Y1E : Electronic expansion valve coil
Y1S : Reversing solenoid valve coil

FU1,FU2,F4U : Fuse
MR4,MR30
MRM10,MRM20 : Magnetic relay
R1T,R2T,R3T : Thermistor
S20,S30,S40,S70
S80,S90,X11A : Connector
V2,V3,V150 : Varistor
Z1C,Z2C,Z3C : Ferrite core
Z1F : Noise filter

BLK : Black
WHT: White
RED : Red
GRN: Green
YLW : Yellow
ORG: Orange
BLU : Blue
GRY : Grey

⏚: Protective earth
⏚: Earth

Notes
1 Size: 140 x 80
2. Refer to purchasing specification AS303002, unless otherwise specified.

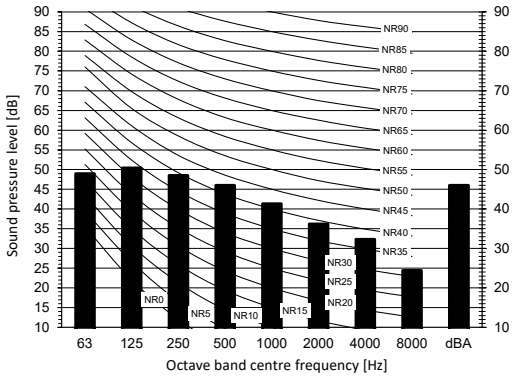
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9 Sound data

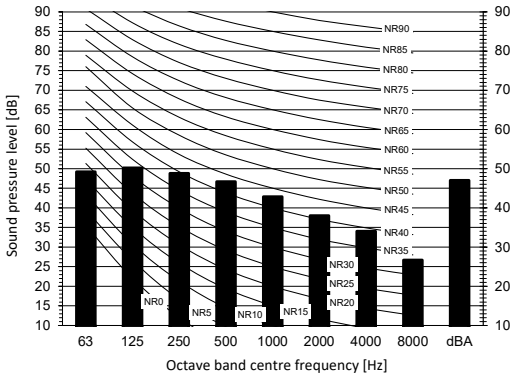
9 - 1 Sound Pressure Spectrum

RXA20A8

Cooling mode



Heating mode



Cooling
Total dB

A	B
dBA	46

Heating
Total dB

A	B
dBA	47

Legend

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

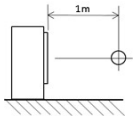
A Scale

B Fan speed: High

Notes

1. Operating conditions: power source ·220-240·V ·50·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

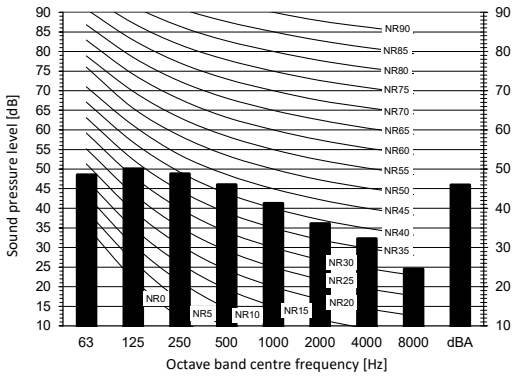
Location of microphone



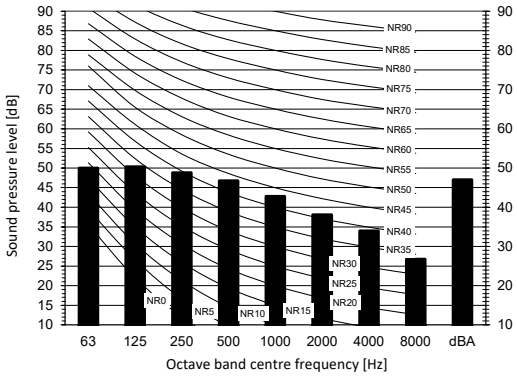
3D110121B

RXA25A8

Cooling mode



Heating mode



Cooling
Total dB

A	B
dBA	46

Heating
Total dB

A	B
dBA	47

Legend

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

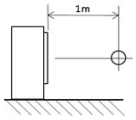
A Scale

B Fan speed: High

Notes

1. Operating conditions: power source ·220-240·V ·50·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

Location of microphone



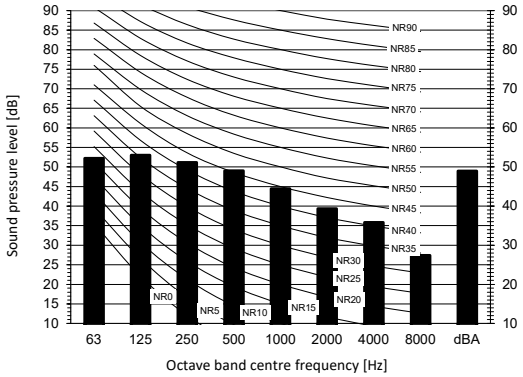
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9 Sound data

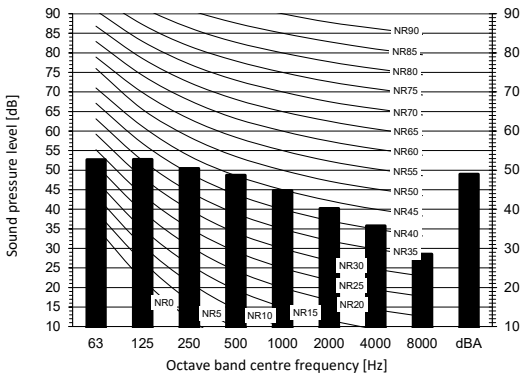
9 - 1 Sound Pressure Spectrum

RXA35A8

Cooling mode



Heating mode



Cooling
Total dB

A	B
dBA	49

Heating
Total dB

A	B
dBA	49

Legend

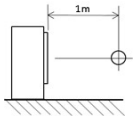
A Scale

B Fan speed: High

Notes

1. Operating conditions: power source ·220-240·V ·50·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

Location of microphone

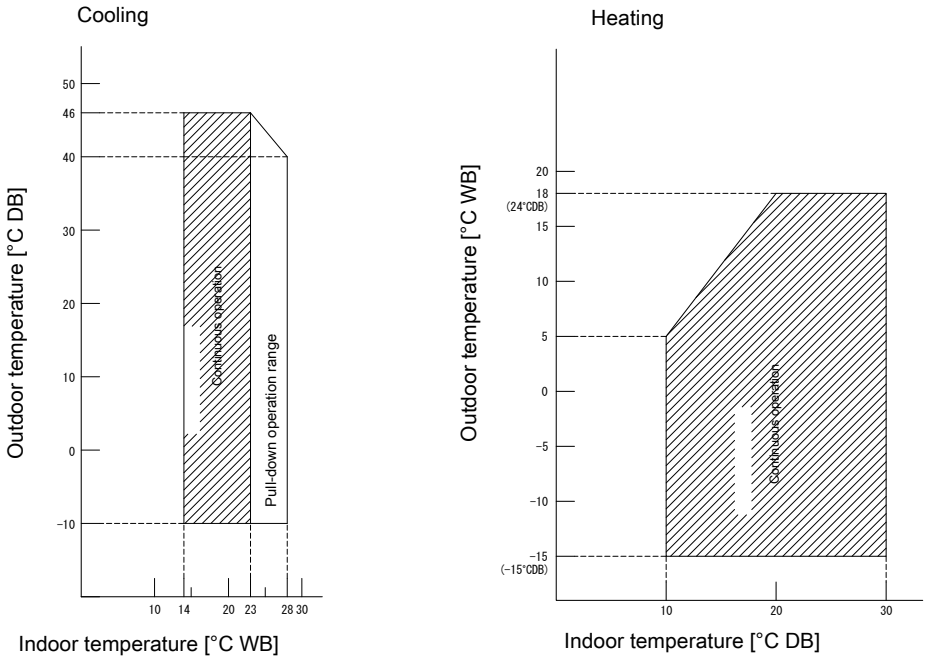


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10 Operation range

10 - 1 Operation Range

RXA-A8



Notes

1. The graph is based on the following conditions.
   Corresponding refrigerant piping length: 5 m
   Level difference: 0m
   Air flow rate High

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Daikin Europe N.V. Naamloze Vennootschap · Zandvoordestraat 300 · 8400 Oostende · Belgium · www.daikin.eu · BE 0412 120 336 · RPR Oostende (Responsible Editor)

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