Design outdoor unit Air Conditioning Technical Data

RXJ-A



EEDEN25

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RXJ-A

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1 Features

1 - 1 RXJ-A

- New design outlook for outdoor unit
- Guaranteed heating operation at low ambient temperature, down to -30°C
- Developed for regions with severe winter conditions
- Seasonal efficiency values up to A+++ in cooling and heating
- 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



-20°
Guaranteed operation down to -20°C

INVERTER
Inverter

Swing compressor

Outdoor unit silent operation

2 Specifications

2 - 1 Specifications

Technical specifications				FTXJ20AS + RXJ20A	FTXJ25AS + RXJ25A	FTXJ35AS + RXJ35A	FTXJ42AS + RXJ42A	FTXJ50AS + RXJ50A
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	E condition (2°C)	Pdh (declared heating cap)	kW	1.30	1.32	1.35	2.05	2.16
		COPd (declared COP)		5.18	5.17	5.19	4.50	4.52
Indoor unit				FTXJ20A2V1BS	FTXJ25A2V1BS	FTXJ35A2V1BS	FTXJ42A2V1BS	FTXJ50A2V1BS
Outdoor unit				RXJ20A5V1B	RXJ25A5V1B	RXJ35A5V1B	RXJ42A2V1B	RXJ50A2V1B
Cooling capacity	Min.		kW	1.30		1.40	1.70	
	Min.		Btu/h	4,400		4,800	5,800	
	Min.		kcal/h	1,118		1,204	1,462	
	Nom.		kW	2.00	2.50	3.40	4.20	5.00
	Nom.		Btu/h	6,800	8,500	11,600	14,300	17,100
	Nom.		kcal/h	1,720	2,150	2,923	3,611	4,299
	Max.		kW	2.60	3.20	4.00	5.00	5.30
	Max.		Btu/h	8,900	10,900	13,600	17,100	18,100
	Max.		kcal/h	2,236	2,752	3,439	4,299	4,557
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	1.30		1.40	1.70	
	Min.		Btu/h	4,400		4,800	5,800	
	Min.		kcal/h	1,118		1,204	1,462	
	Nom.		kW	2.00	2.50	3.40	4.20	5.00
	Nom.		Btu/h	6,800	8,500	11,600	14,300	17,100
	Nom.		kcal/h	1,720	2,150	2,923	3,611	4,299
	Max.		kW	2.60	3.20	3.60	4.90	5.00
	Max.		Btu/h	8,900	10,900	12,283	16,720	17,060
	Max.		kcal/h	2,236	2,752	3,097	4,213	4,299
Heating capacity	Min.		kW	1.30		1.40	1.70	
	Min.		Btu/h	4,400		4,800	5,800	
	Min.		kcal/h	1,118		1,204	1,500	
	Nom.		kW	2.50	2.80	4.00	5.40	5.80
	Nom.		Btu/h	8,500	9,600	13,600	18,400	19,800
	Nom.		kcal/h	2,150	2,408	3,439	4,643	4,987
	Max.		kW	3.50	4.70	5.20	6.00	6.50
	Max.		Btu/h	11,900	16,000	17,700	20,500	22,200
	Max.		kcal/h	3,009	4,041	4,471	5,159	5,589
Heating capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	1.30 /1,118		1.40 /1,204	1.70 /1,500	
	Min.		Btu/h	4,400		4,800	5,800	
	Nom.		kW	2.50	2.80	4.00	5.40	5.80
	Nom.		Btu/h	8,500	9,600	13,600	18,400	19,800
	Nom.		kcal/h	2,150	2,408	3,439	4,643	4,987
Heating capacity - Low sound mode (Stb. 2020, 189)	Max.		kW	3.50	4.70	5.20	5.70	5.80
	Max.		Btu/h	11,900	16,000	17,700	19,450	19,790
	Max.		kcal/h	3,009	4,041	4,471	4,900	4,987
Power input	Cooling	Nom.	kW	0.43	0.56	0.78	1.05	1.36
	Heating	Nom.	kW	0.50	0.56	0.99	1.31	1.45
Power input - Low sound mode (Stb. 2020, 189)	Cooling	Nom.	kW	0.43	0.56	0.78	1.05	1.36
	Heating	Nom.	kW	0.50	0.56	0.99	1.34	1.49
Nominal efficiency	EER			4.70	4.46	4.37	3.99	3.68
	COP			5.00		4.04	4.12	4.00
	Annual energy consumption		kWh	213	280	389	526	679
	Energy labeling Directive	Cooling		A				
		Heating		A				
Nominal efficiency - Low sound mode (Stb. 2020, 189)	EER			4.70	4.46	4.37	3.99	3.68
	COP			5.00		4.04	4.02	3.90
	Annual energy consumption		kWh	213	280	389	526	679
Space cooling	Energy efficiency class			A+++			A++	
	Capacity	Pdesign	kW	2.00	2.50	3.40	4.20	5.00
	SEER			8.75	8.74	8.73	7.50	7.33
	Annual energy consumption		kWh/a	80	100	136	196	239
Space cooling - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.00	2.50	3.40	4.20	5.00
	SEER			8.75	8.74	8.73	7.50	7.33
	Annual energy consumption		kWh/a	80	100	136	196	239
Space heating (Average climate)	Capacity	Pdesign	kW	2.40	2.45	2.50	3.80	4.00
	Energy efficiency class			A+++			A++	
	SCOP/A			5.15			4.60	
	SCOPnet/A			5.21			4.64	4.63
	Pdh Heating capacity at -10°		kW	2.02	2.07	2.11	3.26	3.44
	Annual energy consumption		kWh/a	652	666	680	1,156	1,218
	Required back up heating cap at design conditions		kW	0.38		0.39	0.54	0.56

2 Specifications

2 - 1 Specifications

Technical specifications				FTXJ20AS + RXJ20A	FTXJ25AS + RXJ25A	FTXJ35AS + RXJ35A	FTXJ42AS + RXJ42A	FTXJ50AS + RXJ50A
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.40	2.45	2.50	3.80	4.00
	SCOP/A			5.15			4.60	
	SCOPnet/A			5.21			4.64	4.63
	Pdh Heating capacity at -10°		kW	2.02	2.07	2.11	3.26	3.44
	Annual energy consumption		kWh/a	652	666	680	1,156	1,218
	Required back up heating cap at design conditions		kW	0.38		0.39	0.54	0.56
Space heating (Warm climate)	Capacity	Pdesignh	kW	1.30	1.32	1.35	2.05	2.16
	Energy efficiency class			A+++				
Space heating (Warm climate)	SCOP			6.26	6.27	6.20	5.78	5.77
	SCOPnet			6.47	6.48	6.40	5.90	5.88
	Annual energy consumption		kWh/a	291	295	305	496	524
	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	2.05	2.16
	SCOP			6.26	6.27	6.20	5.78	5.77
	SCOPnet			6.47	6.48	6.40	5.90	5.88
	Annual energy consumption		kWh/a	291	295	305	496	524
	Required back up heating cap at design conditions		kW	0.00				
Space cooling	A Condition	Pdc	kW	2.00	2.50	3.40	4.20	5.00
	(35°C - 27/19)	EERd		4.70	4.46	4.37	3.99	3.68
		Power input	kW	0.43	0.56	0.78	1.05	1.36
	B Condition	Pdc	kW	1.48	1.85	2.51	3.10	3.69
	(30°C - 27/19)	EERd		6.96	6.59	6.27	5.59	5.29
		Power input	kW	0.21	0.28	0.40	0.55	0.70
	C Condition	Pdc	kW	1.21	1.22	1.62	1.99	2.37
	(25°C - 27/19)	EERd		11.41	10.97	10.44	9.35	9.24
		Power input	kW	0.11		0.16	0.21	0.26
	D Condition	Pdc	kW	1.18	1.19	1.29	1.89	
	(20°C - 27/19)	EERd		15.11	15.09	16.64	12.08	12.03
		Power input	kW	0.08			0.16	
Space cooling - Low sound mode (Stb. 2020, 189)	A Condition	Pdc	kW	2.00	2.50	3.40	4.20	5.00
	(35°C - 27/19)	EERd		4.70	4.46	4.37	3.99	3.68
		Power input	kW	0.43	0.56	0.78	1.05	1.36
	B Condition	Pdc	kW	1.48	1.85	2.51	3.10	3.69
	(30°C - 27/19)	EERd		6.96	6.59	6.27	5.59	5.29
		Power input	kW	0.21	0.28	0.40	0.55	0.70
	C Condition	Pdc	kW	1.21	1.22	1.62	1.99	2.37
	(25°C - 27/19)	EERd		11.41	10.97	10.44	9.35	9.24
		Power input	kW	0.11		0.16	0.21	0.26
	D Condition	Pdc	kW	1.18	1.19	1.29	1.89	
	(20°C - 27/19)	EERd		15.11	15.09	16.64	12.08	12.03
		Power input	kW	0.08			0.16	
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-10				
	TBivalent	Tbiv (bivalent temperature)	°C	-7				
		Pdh (declared heating cap)	kW	2.13	2.17	2.22	3.37	3.54
		COPd (declared COP)		3.49	3.48	3.54	3.24	3.16
Space heating (Average climate)	TBivalent	Power input	kW	0.61	0.62	0.63	1.04	1.12
	A Condition	Pdh (declared heating cap)	kW	2.13	2.17	2.22	3.37	3.54
	(-7°C)	COPd (declared COP)		3.49	3.48	3.54	3.24	3.16
		Power input	kW	0.61	0.62	0.63	1.04	1.12
	B Condition	Pdh (declared heating cap)	kW	1.30	1.32	1.35	2.05	2.16
	(2°C)	COPd (declared COP)		5.18	5.17	5.19	4.50	4.52
		Power input	kW	0.25	0.26		0.46	0.48
	C Condition	Pdh (declared heating cap)	kW	0.91	0.93	0.95	1.71	1.73
	(7°C)	COPd (declared COP)		6.45	6.48	6.42	6.14	6.13
		Power input	kW	0.14		0.15	0.28	
	D Condition	Pdh (declared heating cap)	kW	1.12	1.13	1.15	1.52	1.56
	(12°C)	COPd (declared COP)		8.04	8.03	7.89	7.35	7.25
		Power input	kW	0.14		0.15	0.21	0.22
	E condition	Pdh (declared heating cap)	kW	2.02	2.07	2.11	3.26	3.44
	(-10°C)	COPd (declared COP)		3.01	3.04	2.81	2.79	2.78
		Power input	kW	0.67	0.68	0.75	1.17	1.24

2 Specifications

2 - 1 Specifications

Technical specifications					FTXJ20AS + RXJ20A	FTXJ25AS + RXJ25A	FTXJ35AS + RXJ35A	FTXJ42AS + RXJ42A	FTXJ50AS + RXJ50A
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)		°C	-10				
	TBivalent	Tbiv (bivalent temperature)		°C	-7				
		Pdh (declared heating cap)		kW	2.13	2.17	2.22	3.37	3.54
		COPd (declared COP)			3.49	3.48	3.54	3.24	3.16
		Power input		kW	0.61	0.62	0.63	1.04	1.12
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.13	2.17	2.22	3.37	3.54
		COPd (declared COP)			3.49	3.48	3.54	3.24	3.16
		Power input		kW	0.61	0.62	0.63	1.04	1.12
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.30	1.32	1.35	2.05	2.16
		COPd (declared COP)			5.18	5.17	5.19	4.50	4.52
		Power input		kW	0.25	0.26		0.46	0.48
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.91	0.93	0.95	1.71	1.73
		COPd (declared COP)			6.45	6.48	6.42	6.14	6.13
		Power input		kW	0.14		0.15	0.28	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.12	1.13	1.15	1.52	1.56
		COPd (declared COP)			8.04	8.03	7.89	7.35	7.25
		Power input		kW	0.14		0.15	0.21	0.22
	E condition (-10°C)	Pdh (declared heating cap)		kW	2.02	2.07	2.11	3.26	3.44
		COPd (declared COP)			3.01	3.04	2.81	2.79	2.78
		Power input		kW	0.67	0.68	0.75	1.17	1.24
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	2				
Space heating (Warm climate)	TBivalent	Tbiv (bivalent temperature)		°C	2				
		Pdh (declared heating cap)		kW	1.30	1.32	1.35	2.05	2.16
		COPd (declared COP)			5.18	5.17	5.19	4.50	4.52
		Power input		kW	0.25	0.26		0.46	0.48
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.30	1.32	1.35	2.05	2.16
		COPd (declared COP)			5.18	5.17	5.19	4.50	4.52
		Power input		kW	0.25	0.26		0.46	0.48
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.91	0.93	0.95	1.71	1.73
		COPd (declared COP)			6.45	6.48	6.42	6.14	6.13
		Power input		kW	0.14		0.15	0.28	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.12	1.13	1.15	1.52	1.56
		COPd (declared COP)			8.04	8.03	7.89	7.35	7.25
		Power input		kW	0.14		0.15	0.21	0.22
	E condition (2°C)	Pdh (declared heating cap)		kW	1.30	1.32	1.35	2.05	2.16
		COPd (declared COP)			5.18	5.17	5.19	4.50	4.52
		Power input		kW	0.25	0.26		0.46	0.48
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)		°C	2				
	TBivalent	Tbiv (bivalent temperature)		°C	2				
		Pdh (declared heating cap)		kW	1.30	1.32	1.35	2.05	2.16
		COPd (declared COP)			5.18	5.17	5.19	4.50	4.52
		Power input		kW	0.25	0.26		0.46	0.48
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.30	1.32	1.35	2.05	2.16
		COPd (declared COP)			5.18	5.17	5.19	4.50	4.52
		Power input		kW	0.25	0.26		0.46	0.48
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.91	0.93	0.95	1.71	1.73
		COPd (declared COP)			6.45	6.48	6.42	6.14	6.13
		Power input		kW	0.14		0.15	0.28	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.12	1.13	1.15	1.52	1.56
		Power input		kW	0.14		0.15	0.21	0.22
		COPd (declared COP)			8.04	8.03	7.89	7.35	7.25
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	E condition (-10°C)	Pdh (declared heating cap)		kW	2.02	2.07	2.11	3.26	3.44
		COPd (declared COP)			3.01	3.04	2.81	2.79	2.78
		Power input		kW	0.67	0.68	0.75	1.17	1.24
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)				kW	0.25	0.26		0.46	0.48
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			12	
			Heating	W	13				
Cooling	Cdc (Degradation cooling)				0.25				
Heating	Cdh (Degradation heating)				0.25				
Cooling function included					Yes				
Heating function included					Yes				

2 Specifications

2 - 1 Specifications

Technical specifications					FTXJ20AS + RXJ20A	FTXJ25AS + RXJ25A	FTXJ35AS + RXJ35A	FTXJ42AS + RXJ42A	FTXJ50AS + RXJ50A
Average climate included					Yes				
Cold season included					No				
Warm season included					Yes				
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	59		61	62	
	Sound power level indoor	Cooling	Nom.	dBA	57			60	
	Piping length	Cooling	Measuring condition	m	5.00				

Electrical specifications				FTXJ20AS + RXJ20A	FTXJ25AS + RXJ25A	FTXJ35AS + RXJ35A	FTXJ42AS + RXJ42A	FTXJ50AS + RXJ50A
Power factor	Nominal	Cooling	%	93.48	93.65	96.89	93.17	93.86
		Heating	%	90.58	93.65	97.83	93.37	90.06
Current	Nominal running current (RLA)	Cooling	A	2	2.6	3.5	4.9	6.3
	Nominal running current (RLA) - 50Hz	Heating	A	2.40	2.60	4.40	6.10	7.00
Current - 50Hz	Maximum fuse amps (MFA)		A	10.00	13.00			

Technical specifications				FTXJ20AW + RXJ20A	FTXJ25AW + RXJ25A	FTXJ35AW + RXJ35A	FTXJ42AW + RXJ42A	FTXJ50AW + RXJ50A
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	E condition (2°C)	Pdh (declared heating cap)	kW	1.30	1.32	1.35	2.05	2.16
		COPd (declared COP)		5.18	5.17	5.19	4.50	4.52
Indoor unit				FTXJ20A2V1BW	FTXJ25A2V1BW	FTXJ35A2V1BW	FTXJ42A2V1BW	FTXJ50A2V1BW
Outdoor unit				RXJ20A5V1B	RXJ25A5V1B	RXJ35A5V1B	RXJ42A2V1B	RXJ50A2V1B
Cooling capacity	Min.		kW	1.30		1.40	1.70	
	Min.		Btu/h	4,400		4,800	5,800	
	Min.		kcal/h	1,118		1,204	1,462	
	Nom.		kW	2.00	2.50	3.40	4.20	5.00
	Nom.		Btu/h	6,800	8,500	11,600	14,300	17,100
	Nom.		kcal/h	1,720	2,150	2,923	3,611	4,299
	Max.		kW	2.60	3.20	4.00	5.00	5.30
	Max.		Btu/h	8,900	10,900	13,600	17,100	18,100
	Max.		kcal/h	2,236	2,752	3,439	4,299	4,557
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	1.30		1.40	1.70	
	Min.		Btu/h	4,400		4,800	5,800	
	Min.		kcal/h	1,118		1,204	1,462	
	Nom.		kW	2.00	2.50	3.40	4.20	5.00
	Nom.		Btu/h	6,800	8,500	11,600	14,300	17,100
	Nom.		kcal/h	1,720	2,150	2,923	3,611	4,299
	Max.		kW	2.60	3.20	3.60	4.90	5.00
	Max.		Btu/h	8,900	10,900	12,283	16,720	17,060
	Max.		kcal/h	2,236	2,752	3,097	4,213	4,299
Heating capacity	Min.		kW	1.30		1.40	1.70	
	Min.		Btu/h	4,400		4,800	5,800	
	Min.		kcal/h	1,118		1,204	1,500	
	Nom.		kW	2.50	2.80	4.00	5.40	5.80
	Nom.		Btu/h	8,500	9,600	13,600	18,400	19,800
	Nom.		kcal/h	2,150	2,408	3,439	4,643	4,987
	Max.		kW	3.50	4.70	5.20	6.00	6.50
	Max.		Btu/h	11,900	16,000	17,700	20,500	22,200
	Max.		kcal/h	3,009	4,041	4,471	5,159	5,589
Heating capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	1.30 /1,118		1.40 /1,204	1.70 /1,500	
	Min.		Btu/h	4,400		4,800	5,800	
	Nom.		kW	2.50	2.80	4.00	5.40	5.80
	Nom.		Btu/h	8,500	9,600	13,600	18,400	19,800
	Nom.		kcal/h	2,150	2,408	3,439	4,643	4,987
Heating capacity - Low sound mode (Stb. 2020, 189)	Max.		kW	3.50	4.70	5.20	5.70	5.80
	Max.		Btu/h	11,900	16,000	17,700	19,450	19,790
	Max.		kcal/h	3,009	4,041	4,471	4,900	4,987
Power input	Cooling	Nom.	kW	0.43	0.56	0.78	1.05	1.36
	Heating	Nom.	kW	0.50	0.56	0.99	1.31	1.45
Power input - Low sound mode (Stb. 2020, 189)	Cooling	Nom.	kW	0.43	0.56	0.78	1.05	1.36
	Heating	Nom.	kW	0.50	0.56	0.99	1.34	1.49

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Technical specifications				FTXJ20AW + RXJ20A	FTXJ25AW + RXJ25A	FTXJ35AW + RXJ35A	FTXJ42AW + RXJ42A	FTXJ50AW + RXJ50A
Nominal efficiency	EER			4.70	4.46	4.37	3.99	3.68
	COP			5.00		4.04	4.12	4.00
	Annual energy consumption		kWh	213	280	389	526	679
	Energy labeling Directive	Cooling		A				
		Heating		A				
Nominal efficiency - Low sound mode (Stb. 2020, 189)	EER			4.70	4.46	4.37	3.99	3.68
	COP			5.00		4.04	4.02	3.90
	Annual energy consumption		kWh	213	280	389	526	679
Space cooling	Energy efficiency class			A+++			A++	
	Capacity	Pdesign	kW	2.00	2.50	3.40	4.20	5.00
	SEER			8.75	8.74	8.73	7.50	7.33
	Annual energy consumption		kWh/a	80	100	136	196	239
Space cooling - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.00	2.50	3.40	4.20	5.00
	SEER			8.75	8.74	8.73	7.50	7.33
	Annual energy consumption		kWh/a	80	100	136	196	239
Space heating (Average climate)	Capacity	Pdesign	kW	2.40	2.45	2.50	3.80	4.00
	Energy efficiency class			A+++			A++	
	SCOP/A			5.15			4.60	
	SCOPnet/A			5.21			4.64	4.63
	Pdh Heating capacity at -10°		kW	2.02	2.07	2.11	3.26	3.44
	Annual energy consumption		kWh/a	652	666	680	1,156	1,218
	Required back up heating cap at design conditions		kW	0.38		0.39	0.54	0.56
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.40	2.45	2.50	3.80	4.00
	SCOP/A			5.15			4.60	
	SCOPnet/A			5.21			4.64	4.63
	Pdh Heating capacity at -10°		kW	2.02	2.07	2.11	3.26	3.44
	Annual energy consumption		kWh/a	652	666	680	1,156	1,218
	Required back up heating cap at design conditions		kW	0.38		0.39	0.54	0.56
Space heating (Warm climate)	Capacity	Pdesignh	kW	1.30	1.32	1.35	2.05	2.16
	Energy efficiency class					A+++		
Space heating (Warm climate)	SCOP			6.26	6.27	6.20	5.78	5.77
	SCOPnet			6.47	6.48	6.40	5.90	5.88
	Annual energy consumption		kWh/a	291	295	305	496	524
	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	2.05	2.16
	SCOP			6.26	6.27	6.20	5.78	5.77
	SCOPnet			6.47	6.48	6.40	5.90	5.88
	Annual energy consumption		kWh/a	291	295	305	496	524
	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	4.20	5.00
		EERd		4.70	4.46	4.37	3.99	3.68
		Power input	kW	0.43	0.56	0.78	1.05	1.36
	B Condition (30°C - 27/19)	Pdc	kW	1.48	1.85	2.51	3.10	3.69
		EERd		6.96	6.59	6.27	5.59	5.29
		Power input	kW	0.21	0.28	0.40	0.55	0.70
	C Condition (25°C - 27/19)	Pdc	kW	1.21	1.22	1.62	1.99	2.37
		EERd		11.41	10.97	10.44	9.35	9.24
		Power input	kW	0.11		0.16	0.21	0.26
	D Condition (20°C - 27/19)	Pdc	kW	1.18	1.19	1.29	1.89	
		EERd		15.11	15.09	16.64	12.08	12.03
		Power input	kW	0.08			0.16	
Space cooling - Low sound mode (Stb. 2020, 189)	A Condition (35°C - 27/19)	Pdc	kW	2.00	2.50	3.40	4.20	5.00
		EERd		4.70	4.46	4.37	3.99	3.68
		Power input	kW	0.43	0.56	0.78	1.05	1.36
	B Condition (30°C - 27/19)	Pdc	kW	1.48	1.85	2.51	3.10	3.69
		EERd		6.96	6.59	6.27	5.59	5.29
		Power input	kW	0.21	0.28	0.40	0.55	0.70
	C Condition (25°C - 27/19)	Pdc	kW	1.21	1.22	1.62	1.99	2.37
		EERd		11.41	10.97	10.44	9.35	9.24
		Power input	kW	0.11		0.16	0.21	0.26
	D Condition (20°C - 27/19)	Pdc	kW	1.18	1.19	1.29	1.89	
		EERd		15.11	15.09	16.64	12.08	12.03
		Power input	kW	0.08			0.16	
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C			-10		
	TBivalent	Tbiv (bivalent temperature)	°C			-7		
		Pdh (declared heating cap)	kW	2.13	2.17	2.22	3.37	3.54
		COPd (declared COP)		3.49	3.48	3.54	3.24	3.16

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Technical specifications				FTXJ20AW + RXJ20A	FTXJ25AW + RXJ25A	FTXJ35AW + RXJ35A	FTXJ42AW + RXJ42A	FTXJ50AW + RXJ50A
Space heating (Average climate)	TBivalent	Power input	kW	0.61	0.62	0.63	1.04	1.12
	A Condition (-7°C)	Pdh (declared heating cap)	kW	2.13	2.17	2.22	3.37	3.54
		COPd (declared COP)		3.49	3.48	3.54	3.24	3.16
		Power input	kW	0.61	0.62	0.63	1.04	1.12
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.30	1.32	1.35	2.05	2.16
		COPd (declared COP)		5.18	5.17	5.19	4.50	4.52
		Power input	kW	0.25	0.26		0.46	0.48
	C Condition (7°C)	Pdh (declared heating cap)	kW	0.91	0.93	0.95	1.71	1.73
		COPd (declared COP)		6.45	6.48	6.42	6.14	6.13
		Power input	kW	0.14		0.15	0.28	
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.12	1.13	1.15	1.52	1.56
		COPd (declared COP)		8.04	8.03	7.89	7.35	7.25
		Power input	kW	0.14		0.15	0.21	0.22
	E condition (-10°C)	Pdh (declared heating cap)	kW	2.02	2.07	2.11	3.26	3.44
		COPd (declared COP)		3.01	3.04	2.81	2.79	2.78
		Power input	kW	0.67	0.68	0.75	1.17	1.24
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)	°C	-10				
	TBivalent	Tbiv (bivalent temperature)	°C	-7				
		Pdh (declared heating cap)	kW	2.13	2.17	2.22	3.37	3.54
		COPd (declared COP)		3.49	3.48	3.54	3.24	3.16
		Power input	kW	0.61	0.62	0.63	1.04	1.12
	A Condition (-7°C)	Pdh (declared heating cap)	kW	2.13	2.17	2.22	3.37	3.54
		COPd (declared COP)		3.49	3.48	3.54	3.24	3.16
		Power input	kW	0.61	0.62	0.63	1.04	1.12
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.30	1.32	1.35	2.05	2.16
		COPd (declared COP)		5.18	5.17	5.19	4.50	4.52
		Power input	kW	0.25	0.26		0.46	0.48
	C Condition (7°C)	Pdh (declared heating cap)	kW	0.91	0.93	0.95	1.71	1.73
		COPd (declared COP)		6.45	6.48	6.42	6.14	6.13
		Power input	kW	0.14		0.15	0.28	
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.12	1.13	1.15	1.52	1.56
		COPd (declared COP)		8.04	8.03	7.89	7.35	7.25
		Power input	kW	0.14		0.15	0.21	0.22
	E condition (-10°C)	Pdh (declared heating cap)	kW	2.02	2.07	2.11	3.26	3.44
		COPd (declared COP)		3.01	3.04	2.81	2.79	2.78
		Power input	kW	0.67	0.68	0.75	1.17	1.24
Space heating (Warm climate)	TOL	Tol (temperature operating limit)	°C	2				
Space heating (Warm climate)	TBivalent	Tbiv (bivalent temperature)	°C	2				
		Pdh (declared heating cap)	kW	1.30	1.32	1.35	2.05	2.16
		COPd (declared COP)		5.18	5.17	5.19	4.50	4.52
		Power input	kW	0.25	0.26		0.46	0.48
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.30	1.32	1.35	2.05	2.16
		COPd (declared COP)		5.18	5.17	5.19	4.50	4.52
		Power input	kW	0.25	0.26		0.46	0.48
	C Condition (7°C)	Pdh (declared heating cap)	kW	0.91	0.93	0.95	1.71	1.73
		COPd (declared COP)		6.45	6.48	6.42	6.14	6.13
		Power input	kW	0.14		0.15	0.28	
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.12	1.13	1.15	1.52	1.56
		COPd (declared COP)		8.04	8.03	7.89	7.35	7.25
		Power input	kW	0.14		0.15	0.21	0.22
	E condition (2°C)	Pdh (declared heating cap)	kW	1.30	1.32	1.35	2.05	2.16
		COPd (declared COP)		5.18	5.17	5.19	4.50	4.52
		Power input	kW	0.25	0.26		0.46	0.48
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)	°C	2				
	TBivalent	Tbiv (bivalent temperature)	°C	2				
		Pdh (declared heating cap)	kW	1.30	1.32	1.35	2.05	2.16
		COPd (declared COP)		5.18	5.17	5.19	4.50	4.52
		Power input	kW	0.25	0.26		0.46	0.48
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.30	1.32	1.35	2.05	2.16
		COPd (declared COP)		5.18	5.17	5.19	4.50	4.52
		Power input	kW	0.25	0.26		0.46	0.48
	C Condition (7°C)	Pdh (declared heating cap)	kW	0.91	0.93	0.95	1.71	1.73
		COPd (declared COP)		6.45	6.48	6.42	6.14	6.13
		Power input	kW	0.14		0.15	0.28	
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.12	1.13	1.15	1.52	1.56
		Power input	kW	0.14		0.15	0.21	0.22
		COPd (declared COP)		8.04	8.03	7.89	7.35	7.25
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	E condition (-10°C)	Pdh (declared heating cap)	kW	2.02	2.07	2.11	3.26	3.44
		COPd (declared COP)		3.01	3.04	2.81	2.79	2.78
		Power input	kW	0.67	0.68	0.75	1.17	1.24

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Technical specifications					FTXJ20AW + RXJ20A	FTXJ25AW + RXJ25A	FTXJ35AW + RXJ35A	FTXJ42AW + RXJ42A	FTXJ50AW + RXJ50A
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)				kW	0.25	0.26		0.46	0.48
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			12	
			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	62	
	Sound power level indoor	Cooling	Nom.	dBA	57		60		
	Piping length	Cooling	Measuring condition	m	5.00				

Electrical specifications				FTXJ20AW + RXJ20A	FTXJ25AW + RXJ25A	FTXJ35AW + RXJ35A	FTXJ42AW + RXJ42A	FTXJ50AW + RXJ50A
Power factor	Nominal	Cooling	%	93.48	93.65	96.89	93.17	93.86
		Heating	%	90.58	93.65	97.83	93.37	90.06
Current	Nominal running current (RLA)	Cooling	A	2	2.6	3.5	4.9	6.3
	Nominal running current (RLA) - 50Hz	Heating	A	2.40	2.60	4.40	6.10	7.00
Current - 50Hz	Maximum fuse amps (MFA)		A	10.00	13.00			

Technical specifications					FTXJ20AB + RXJ20A	FTXJ25AB + RXJ25A	FTXJ35AB + RXJ35A	FTXJ42AB + RXJ42A	FTXJ50AB + RXJ50A
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	E condition (2°C)	Pdh (declared heating cap)		kW	1.30	1.32	1.35	2.05	2.16
		COPd (declared COP)			5.18	5.17	5.19	4.50	4.52
Indoor unit					FTXJ20A2V1BB	FTXJ25A2V1BB	FTXJ35A2V1BB	FTXJ42A2V1BB	FTXJ50A2V1BB
Outdoor unit					RXJ20A5V1B	RXJ25A5V1B	RXJ35A5V1B	RXJ42A2V1B	RXJ50A2V1B
Cooling capacity	Min.			kW	1.30		1.40	1.70	
	Min.			Btu/h	4,400		4,800	5,800	
	Min.			kcal/h	1,118		1,204	1,462	
	Nom.			kW	2.00	2.50	3.40	4.20	5.00
	Nom.			Btu/h	6,800	8,500	11,600	14,300	17,100
	Nom.			kcal/h	1,720	2,150	2,923	3,611	4,299
	Max.			kW	2.60	3.20	4.00	5.00	5.30
	Max.			Btu/h	8,900	10,900	13,600	17,100	18,100
	Max.			kcal/h	2,236	2,752	3,439	4,299	4,557
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.			kW	1.30		1.40	1.70	
	Min.			Btu/h	4,400		4,800	5,800	
	Min.			kcal/h	1,118		1,204	1,462	
	Nom.			kW	2.00	2.50	3.40	4.20	5.00
	Nom.			Btu/h	6,800	8,500	11,600	14,300	17,100
	Nom.			kcal/h	1,720	2,150	2,923	3,611	4,299
	Max.			kW	2.60	3.20	3.60	4.90	5.00
	Max.			Btu/h	8,900	10,900	12,283	16,720	17,060
	Max.			kcal/h	2,236	2,752	3,097	4,213	4,299

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Technical specifications				FTXJ20AB + RXJ20A	FTXJ25AB + RXJ25A	FTXJ35AB + RXJ35A	FTXJ42AB + RXJ42A	FTXJ50AB + RXJ50A
Heating capacity	Min.		kW	1.30		1.40	1.70	
	Min.		Btu/h	4,400		4,800	5,800	
	Min.		kcal/h	1,118		1,204	1,500	
	Nom.		kW	2.50	2.80	4.00	5.40	5.80
	Nom.		Btu/h	8,500	9,600	13,600	18,400	19,800
	Nom.		kcal/h	2,150	2,408	3,439	4,643	4,987
	Max.		kW	3.50	4.70	5.20	6.00	6.50
	Max.		Btu/h	11,900	16,000	17,700	20,500	22,200
	Max.		kcal/h	3,009	4,041	4,471	5,159	5,589
Heating capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	1.30 /1,118		1.40 /1,204	1.70 /1,500	
	Min.		Btu/h	4,400		4,800	5,800	
	Nom.		kW	2.50	2.80	4.00	5.40	5.80
	Nom.		Btu/h	8,500	9,600	13,600	18,400	19,800
	Nom.		kcal/h	2,150	2,408	3,439	4,643	4,987
Heating capacity - Low sound mode (Stb. 2020, 189)	Max.		kW	3.50	4.70	5.20	5.70	5.80
	Max.		Btu/h	11,900	16,000	17,700	19,450	19,790
	Max.		kcal/h	3,009	4,041	4,471	4,900	4,987
Power input	Cooling	Nom.	kW	0.43	0.56	0.78	1.05	1.36
	Heating	Nom.	kW	0.50	0.56	0.99	1.31	1.45
Power input - Low sound mode (Stb. 2020, 189)	Cooling	Nom.	kW	0.43	0.56	0.78	1.05	1.36
	Heating	Nom.	kW	0.50	0.56	0.99	1.34	1.49
Nominal efficiency	EER			4.70	4.46	4.37	3.99	3.68
	COP			5.00		4.04	4.12	4.00
	Annual energy consumption		kWh	213	280	389	526	679
	Energy labeling Directive	Cooling		A				
		Heating		A				
Nominal efficiency - Low sound mode (Stb. 2020, 189)	EER			4.70	4.46	4.37	3.99	3.68
	COP			5.00		4.04	4.02	3.90
	Annual energy consumption		kWh	213	280	389	526	679
Space cooling	Energy efficiency class			A+++			A++	
	Capacity	Pdesign	kW	2.00	2.50	3.40	4.20	5.00
	SEER			8.75	8.74	8.73	7.50	7.33
	Annual energy consumption		kWh/a	80	100	136	196	239
Space cooling - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.00	2.50	3.40	4.20	5.00
	SEER			8.75	8.74	8.73	7.50	7.33
	Annual energy consumption		kWh/a	80	100	136	196	239
Space heating (Average climate)	Capacity	Pdesign	kW	2.40	2.45	2.50	3.80	4.00
	Energy efficiency class			A+++			A++	
	SCOP/A			5.15			4.60	
	SCOPnet/A			5.21			4.64	4.63
	Pdh Heating capacity at -10°		kW	2.02	2.07	2.11	3.26	3.44
	Annual energy consumption		kWh/a	652	666	680	1,156	1,218
	Required back up heating cap at design conditions		kW	0.38		0.39	0.54	0.56
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.40	2.45	2.50	3.80	4.00
	SCOP/A			5.15			4.60	
	SCOPnet/A			5.21			4.64	4.63
	Pdh Heating capacity at -10°		kW	2.02	2.07	2.11	3.26	3.44
	Annual energy consumption		kWh/a	652	666	680	1,156	1,218
	Required back up heating cap at design conditions		kW	0.38		0.39	0.54	0.56
Space heating (Warm climate)	Capacity	Pdesignh	kW	1.30	1.32	1.35	2.05	2.16
	Energy efficiency class					A+++		
Space heating (Warm climate)	SCOP			6.26	6.27	6.20	5.78	5.77
	SCOPnet			6.47	6.48	6.40	5.90	5.88
	Annual energy consumption		kWh/a	291	295	305	496	524
	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	2.05	2.16
	SCOP			6.26	6.27	6.20	5.78	5.77
	SCOPnet			6.47	6.48	6.40	5.90	5.88
	Annual energy consumption		kWh/a	291	295	305	496	524
	Required back up heating cap at design conditions		kW			0.00		

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Technical specifications				FTXJ20AB + RXJ20A	FTXJ25AB + RXJ25A	FTXJ35AB + RXJ35A	FTXJ42AB + RXJ42A	FTXJ50AB + RXJ50A
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	2.00	2.50	3.40	4.20	5.00
		EERd		4.70	4.46	4.37	3.99	3.68
		Power input	kW	0.43	0.56	0.78	1.05	1.36
	B Condition (30°C - 27/19)	Pdc	kW	1.48	1.85	2.51	3.10	3.69
		EERd		6.96	6.59	6.27	5.59	5.29
		Power input	kW	0.21	0.28	0.40	0.55	0.70
	C Condition (25°C - 27/19)	Pdc	kW	1.21	1.22	1.62	1.99	2.37
		EERd		11.41	10.97	10.44	9.35	9.24
		Power input	kW	0.11		0.16	0.21	0.26
	D Condition (20°C - 27/19)	Pdc	kW	1.18	1.19	1.29	1.89	
		EERd		15.11	15.09	16.64	12.08	12.03
		Power input	kW	0.08			0.16	
Space cooling - Low sound mode (Stb. 2020, 189)	A Condition (35°C - 27/19)	Pdc	kW	2.00	2.50	3.40	4.20	5.00
		EERd		4.70	4.46	4.37	3.99	3.68
		Power input	kW	0.43	0.56	0.78	1.05	1.36
	B Condition (30°C - 27/19)	Pdc	kW	1.48	1.85	2.51	3.10	3.69
		EERd		6.96	6.59	6.27	5.59	5.29
		Power input	kW	0.21	0.28	0.40	0.55	0.70
	C Condition (25°C - 27/19)	Pdc	kW	1.21	1.22	1.62	1.99	2.37
		EERd		11.41	10.97	10.44	9.35	9.24
		Power input	kW	0.11		0.16	0.21	0.26
	D Condition (20°C - 27/19)	Pdc	kW	1.18	1.19	1.29	1.89	
		EERd		15.11	15.09	16.64	12.08	12.03
		Power input	kW	0.08			0.16	
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-10				
	TBivalent	Tbiv (bivalent temperature)	°C	-7				
		Pdh (declared heating cap)	kW	2.13	2.17	2.22	3.37	3.54
		COPd (declared COP)		3.49	3.48	3.54	3.24	3.16
Space heating (Average climate)	TBivalent	Power input	kW	0.61	0.62	0.63	1.04	1.12
	A Condition (-7°C)	Pdh (declared heating cap)	kW	2.13	2.17	2.22	3.37	3.54
		COPd (declared COP)		3.49	3.48	3.54	3.24	3.16
		Power input	kW	0.61	0.62	0.63	1.04	1.12
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.30	1.32	1.35	2.05	2.16
		COPd (declared COP)		5.18	5.17	5.19	4.50	4.52
		Power input	kW	0.25	0.26		0.46	0.48
	C Condition (7°C)	Pdh (declared heating cap)	kW	0.91	0.93	0.95	1.71	1.73
		COPd (declared COP)		6.45	6.48	6.42	6.14	6.13
		Power input	kW	0.14		0.15	0.28	
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.12	1.13	1.15	1.52	1.56
		COPd (declared COP)		8.04	8.03	7.89	7.35	7.25
		Power input	kW	0.14		0.15	0.21	0.22
	E condition (-10°C)	Pdh (declared heating cap)	kW	2.02	2.07	2.11	3.26	3.44
		COPd (declared COP)		3.01	3.04	2.81	2.79	2.78
		Power input	kW	0.67	0.68	0.75	1.17	1.24
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)	°C	-10				
	TBivalent	Tbiv (bivalent temperature)	°C	-7				
		Pdh (declared heating cap)	kW	2.13	2.17	2.22	3.37	3.54
		COPd (declared COP)		3.49	3.48	3.54	3.24	3.16
		Power input	kW	0.61	0.62	0.63	1.04	1.12
	A Condition (-7°C)	Pdh (declared heating cap)	kW	2.13	2.17	2.22	3.37	3.54
		COPd (declared COP)		3.49	3.48	3.54	3.24	3.16
		Power input	kW	0.61	0.62	0.63	1.04	1.12
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.30	1.32	1.35	2.05	2.16
		COPd (declared COP)		5.18	5.17	5.19	4.50	4.52
		Power input	kW	0.25	0.26		0.46	0.48
	C Condition (7°C)	Pdh (declared heating cap)	kW	0.91	0.93	0.95	1.71	1.73
		COPd (declared COP)		6.45	6.48	6.42	6.14	6.13
		Power input	kW	0.14		0.15	0.28	
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.12	1.13	1.15	1.52	1.56
		COPd (declared COP)		8.04	8.03	7.89	7.35	7.25
		Power input	kW	0.14		0.15	0.21	0.22
	E condition (-10°C)	Pdh (declared heating cap)	kW	2.02	2.07	2.11	3.26	3.44
		COPd (declared COP)		3.01	3.04	2.81	2.79	2.78
		Power input	kW	0.67	0.68	0.75	1.17	1.24
Space heating (Warm climate)	TOL	Tol (temperature operating limit)	°C	2				

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Technical specifications					FTXJ20AB + RXJ20A	FTXJ25AB + RXJ25A	FTXJ35AB + RXJ35A	FTXJ42AB + RXJ42A	FTXJ50AB + RXJ50A
Space heating (Warm climate)	TBivalent	Tbiv (bivalent temperature)		°C	2				
		Pdh (declared heating cap)		kW	1.30	1.32	1.35	2.05	2.16
		COPd (declared COP)			5.18	5.17	5.19	4.50	4.52
		Power input		kW	0.25	0.26		0.46	0.48
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.30	1.32	1.35	2.05	2.16
		COPd (declared COP)			5.18	5.17	5.19	4.50	4.52
		Power input		kW	0.25	0.26		0.46	0.48
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.91	0.93	0.95	1.71	1.73
		COPd (declared COP)			6.45	6.48	6.42	6.14	6.13
		Power input		kW	0.14		0.15	0.28	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.12	1.13	1.15	1.52	1.56
		COPd (declared COP)			8.04	8.03	7.89	7.35	7.25
		Power input		kW	0.14		0.15	0.21	0.22
	E condition (2°C)	Pdh (declared heating cap)		kW	1.30	1.32	1.35	2.05	2.16
		COPd (declared COP)			5.18	5.17	5.19	4.50	4.52
		Power input		kW	0.25	0.26		0.46	0.48
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)		°C	2				
	TBivalent	Tbiv (bivalent temperature)		°C	2				
		Pdh (declared heating cap)		kW	1.30	1.32	1.35	2.05	2.16
		COPd (declared COP)			5.18	5.17	5.19	4.50	4.52
		Power input		kW	0.25	0.26		0.46	0.48
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.30	1.32	1.35	2.05	2.16
		COPd (declared COP)			5.18	5.17	5.19	4.50	4.52
		Power input		kW	0.25	0.26		0.46	0.48
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.91	0.93	0.95	1.71	1.73
		COPd (declared COP)			6.45	6.48	6.42	6.14	6.13
		Power input		kW	0.14		0.15	0.28	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.12	1.13	1.15	1.52	1.56
		Power input		kW	0.14		0.15	0.21	0.22
		COPd (declared COP)			8.04	8.03	7.89	7.35	7.25
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	E condition (-10°C)	Pdh (declared heating cap)		kW	2.02	2.07	2.11	3.26	3.44
		COPd (declared COP)			3.01	3.04	2.81	2.79	2.78
		Power input		kW	0.67	0.68	0.75	1.17	1.24
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)				kW	0.25	0.26		0.46	0.48
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			12	
			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	62	
	Sound power level indoor	Cooling	Nom.	dBA	57		60		
	Piping length	Cooling	Measuring condition	m	5.00				

Electrical specifications				FTXJ20AB + RXJ20A	FTXJ25AB + RXJ25A	FTXJ35AB + RXJ35A	FTXJ42AB + RXJ42A	FTXJ50AB + RXJ50A
Power factor	Nominal	Cooling	%	93.48	93.65	96.89	93.17	93.86
		Heating	%	90.58	93.65	97.83	93.37	90.06
Current	Nominal running current (RLA)	Cooling	A	2	2.6	3.5	4.9	6.3
	Nominal running current (RLA) - 50Hz	Heating	A	2.40	2.60	4.40	6.10	7.00
Current - 50Hz	Maximum fuse amps (MFA)		A	10.00	13.00			

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Technical specifications				FTXJ20MS + RXJ20A	FTXJ25MS + RXJ25A	FTXJ35MS + RXJ35A	FTXJ50MS + RXJ50A
Cooling capacity	Min.		kW		-		1.40
	Min.		Btu/h		-		4,800
	Min.		kcal/h		-		1,200
	Nom.		kW	2.30	2.40	3.50	4.80
	Nom.		Btu/h		-		16,400
	Nom.		kcal/h		-		4,300
	Max.		kW		-		5.50
	Max.		Btu/h		-		18,800
	Max.		kcal/h		-		4,730
Cooling capacity - Low sound mode (Stb. 2020, 189)	Nom.		kW	2.30	2.40	3.50	-
Heating capacity	Min.		kW		-		1.10
	Min.		Btu/h		-		3,800
	Min.		kcal/h		-		950
	Nom.		kW	2.50	3.20	4.00	5.80
	Nom.		Btu/h		-		19,800
	Nom.		kcal/h		-		4,990
	Max.		kW		-		7.00
	Max.		Btu/h		-		23,900
	Max.		kcal/h		-		6,020
Heating capacity - Low sound mode (Stb. 2020, 189)	Nom.		kW	2.50	3.20	4.00	-
Power input	Cooling	Nom.	kW	0.50	0.51	0.86	1.43
	Heating	Nom.	kW	0.50	0.70	0.99	1.59
Power input - Low sound mode (Stb. 2020, 189)	Cooling	Nom.	kW	0.50	0.51	0.86	-
	Heating	Nom.	kW	0.50	0.70	0.99	-
Nominal efficiency	EER			4.64	4.73	4.09	3.35
	COP			5.00	4.57	4.04	3.65
	Annual energy consumption		kWh	248	254	428	-
	Energy labeling Directive	Cooling		A			
		Heating		A			
Nominal efficiency - Low sound mode (Stb. 2020, 189)	EER			4.64	4.73	4.09	-
	COP			5.00	4.57	4.04	-
	Annual energy consumption		kWh	248	254	428	-
Space cooling	Energy efficiency class			A+++		A++	
	Capacity	Pdesign	kW	2.30	2.40	3.50	4.80
	SEER			8.73	8.64	7.19	7.02
	Annual energy consumption		kWh/a	92	97	170	239
Space cooling - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.30	2.40	3.50	-
	SEER			8.73	8.64	7.19	-
	Annual energy consumption		kWh/a	92	97	170	-
Space heating (Average climate)	Capacity	Pdesign	kW	2.10	2.70	3.00	4.60
	Energy efficiency class				A++		A+
	SCOP/A			4.61	4.60		4.28
	SCOPnet/A			4.65	4.66	4.64	4.30
	Pdh Heating capacity at -10°		kW	1.80	2.18	2.61	4.16
	Annual energy consumption		kWh/a	638	822	913	1,505
	Required back up heating cap at design conditions		kW	0.30	0.52	0.39	0.44
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.10	2.70	3.00	-
	SCOP/A			4.61	4.60		-
	SCOPnet/A			4.65	4.66	4.64	-
	Pdh Heating capacity at -10°		kW	1.80	2.18	2.61	-
	Annual energy consumption		kWh/a	638	822	913	-
	Required back up heating cap at design conditions		kW	0.30	0.52	0.39	-
Space heating (Warm climate)	Capacity	Pdesignh	kW	1.07	1.40	1.53	2.49
	Energy efficiency class			A++		A+++	
	SCOP			5.00	5.21	5.32	5.77
	SCOPnet			5.11	5.30	5.41	5.86
	Annual energy consumption		kWh/a	300	376	403	604
	Required back up heating cap at design conditions		kW		0.00		
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	1.07	1.40	1.53	-
	SCOP			5.00	5.21	5.32	-
	SCOPnet			5.11	5.30	5.41	-
	Annual energy consumption		kWh/a	300	376	403	-
	Required back up heating cap at design conditions		kW		0.00		-

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Technical specifications				FTXJ20MS + RXJ20A	FTXJ25MS + RXJ25A	FTXJ35MS + RXJ35A	FTXJ50MS + RXJ50A
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	2.30	2.40	3.50	4.80
		EERd		4.64	4.73	4.09	3.35
		Power input	kW	0.50	0.51	0.86	1.43
	B Condition (30°C - 27/19)	Pdc	kW	1.62	1.70	2.53	3.47
		EERd		7.67	7.33	5.44	5.24
		Power input	kW	0.21	0.23	0.47	0.66
	C Condition (25°C - 27/19)	Pdc	kW	1.27		1.66	2.36
		EERd		10.69	10.55	7.88	8.64
		Power input	kW	0.12		0.21	0.27
	D Condition (20°C - 27/19)	Pdc	kW	1.36	1.37	1.46	2.17
Space cooling	D Condition (20°C - 27/19)	EERd		14.25	14.16	13.76	12.00
		Power input	kW	0.10		0.11	0.18
Space cooling - Low sound mode (Stb. 2020, 189)	A Condition (35°C - 27/19)	Pdc	kW	2.30	2.40	3.50	-
		EERd		4.64	4.73	4.09	-
		Power input	kW	0.50	0.51	0.86	-
	B Condition (30°C - 27/19)	Pdc	kW	1.62	1.70	2.53	-
		EERd		7.67	7.33	5.44	-
		Power input	kW	0.21	0.23	0.47	-
	C Condition (25°C - 27/19)	Pdc	kW	1.27		1.66	-
		EERd		10.69	10.55	7.88	-
		Power input	kW	0.12		0.21	-
	D Condition (20°C - 27/19)	Pdc	kW	1.36	1.37	1.46	-
		EERd		14.25	14.16	13.76	-
		Power input	kW	0.10		0.11	-
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-15			
		COPd (declared COP)		2.69	2.47	2.41	2.16
	TBivalent	Tbiv (bivalent temperature)	°C	-7			
		Pdh (declared heating cap)	kW	1.87	2.31	2.64	4.19
		COPd (declared COP)		3.40	3.10		2.47
		Power input	kW	0.55	0.75	0.85	1.70
	A Condition (-7°C)	Pdh (declared heating cap)	kW	1.87	2.31	2.64	4.19
		COPd (declared COP)		3.40	3.10		2.47
		Power input	kW	0.55	0.75	0.85	1.70
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.07	1.40	1.53	2.49
		COPd (declared COP)		4.89	4.87	4.80	4.41
		Power input	kW	0.22	0.29	0.32	0.56
	C Condition (7°C)	Pdh (declared heating cap)	kW	1.00		1.07	1.63
		COPd (declared COP)		5.37		5.40	5.24
		Power input	kW	0.19		0.20	0.31
	D Condition (12°C)	Pdh (declared heating cap)	kW	0.96		0.99	1.87
		COPd (declared COP)		6.36		6.42	7.95
		Power input	kW	0.15			0.24
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)	°C	-15			-
		Pdh (declared heating cap)	kW	1.68	1.95	2.56	-
		COPd (declared COP)		2.69	2.47	2.41	-
		Power input	kW	0.62	0.79	1.06	-
	TBivalent	Tbiv (bivalent temperature)	°C	-7			-
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	TBivalent	Pdh (declared heating cap)	kW	1.87	2.31	2.64	-
		COPd (declared COP)		3.40	3.10		-
		Power input	kW	0.55	0.75	0.85	-
	A Condition (-7°C)	Pdh (declared heating cap)	kW	1.87	2.31	2.64	-
		COPd (declared COP)		3.40	3.10		-
		Power input	kW	0.55	0.75	0.85	-
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.07	1.40	1.53	-
		COPd (declared COP)		4.89	4.86	4.80	-
		Power input	kW	0.22	0.29	0.32	-
	C Condition (7°C)	Pdh (declared heating cap)	kW	1.00		1.07	-
		COPd (declared COP)		5.37		5.40	-
		Power input	kW	0.19		0.20	-
	D Condition (12°C)	Pdh (declared heating cap)	kW	0.96		0.99	-
		COPd (declared COP)		6.36		6.42	-
		Power input	kW	0.15			-

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Technical specifications					FTXJ20MS + RXJ20A	FTXJ25MS + RXJ25A	FTXJ35MS + RXJ35A	FTXJ50MS + RXJ50A
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15			
	TBivalent	Tbiv (bivalent temperature)		°C	2			
		Pdh (declared heating cap)		kW	1.07	1.40	1.53	2.49
		COPd (declared COP)			4.89	4.87	4.80	4.41
		Power input		kW	0.22	0.29	0.32	0.56
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.07	1.40	1.53	2.49
		COPd (declared COP)			4.89	4.87	4.80	4.41
		Power input		kW	0.22	0.29	0.32	0.56
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.00		1.07	1.63
		COPd (declared COP)			5.37		5.40	5.24
		Power input		kW	0.19		0.20	0.31
	D Condition (12°C)	Pdh (declared heating cap)		kW	0.96		0.99	1.90
		COPd (declared COP)			6.36		6.42	7.95
		Power input		kW	0.15			0.24
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)		°C	-15			-
		Pdh (declared heating cap)		kW	1.68	1.95	2.56	-
		COPd (declared COP)			2.69	2.47	2.41	-
		Power input		kW	0.62	0.79	1.06	-
	TBivalent	Tbiv (bivalent temperature)		°C	2			-
		Pdh (declared heating cap)		kW	1.07	1.40	1.53	-
		COPd (declared COP)			4.89	4.86	4.80	-
		Power input		kW	0.22	0.29	0.32	-
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	B Condition (2°C)	Pdh (declared heating cap)		kW	1.07	1.40	1.53	-
		COPd (declared COP)			4.89	4.86	4.80	-
		Power input		kW	0.22	0.29	0.32	-
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.00		1.07	-
		COPd (declared COP)			5.37		5.40	-
		Power input		kW	0.19		0.20	-
	D Condition (12°C)	Pdh (declared heating cap)		kW	0.96		0.99	-
		Power input		kW	0.15			-
		COPd (declared COP)			6.36		6.42	-
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0.0			-
	Off mode	POFF		W	1.0			
	Standby mode	Cooling	PSB	W	1.0			
	Thermo-stat-off mode	PTO	Heating	W	9.0			-
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			
Ecolabel logo					No			
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	61		63	
	Sound power level indoor	Cooling	Nom.	dBA	54		59	60
	Piping length	Cooling	Measuring condition	m	-			5.0
Pto (Thermostat off)				W	-			9.0

Electrical specifications				FTXJ20MS + RXJ20A	FTXJ25MS + RXJ25A	FTXJ35MS + RXJ35A	FTXJ50MS + RXJ50A
Power factor	Nominal	Cooling	%		-		96.80
		Heating	%		-		97.40
Current	Nominal running current (RLA)	Cooling	A		-		6.43
	Nominal running current (RLA) - 50Hz	Heating	A		-		7.10
Current - 50Hz	Maximum fuse amps (MFA)		A	10.00	13.00		

See separate drawing for operation range |
See separate drawing for electrical data |
Cooling: T2: indoor temp. 26,6°CDB, 19,4°CWB, outdoor temp. 48°CDB [Btu/hr/W] |
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.

2 Specifications

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Technical specifications				FTXJ20MW + RXJ20A	FTXJ25MW + RXJ25A	FTXJ35MW + RXJ35A	FTXJ50MW + RXJ50A
Cooling capacity	Min.		kW		-		1.40
	Min.		Btu/h		-		4,800
	Min.		kcal/h		-		1,200
	Nom.		kW	2.30	2.40	3.50	4.80
	Nom.		Btu/h		-		16,400
	Nom.		kcal/h		-		4,300
	Max.		kW		-		5.50
	Max.		Btu/h		-		18,800
	Max.		kcal/h		-		4,730
Cooling capacity - Low sound mode (Stb. 2020, 189)	Nom.		kW	2.30	2.40	3.50	-
Heating capacity	Min.		kW		-		1.10
	Min.		Btu/h		-		3,800
	Min.		kcal/h		-		950
	Nom.		kW	2.50	3.20	4.00	5.80
	Nom.		Btu/h		-		19,800
	Nom.		kcal/h		-		4,990
	Max.		kW		-		7.00
	Max.		Btu/h		-		23,900
	Max.		kcal/h		-		6,020
Heating capacity - Low sound mode (Stb. 2020, 189)	Nom.		kW	2.50	3.20	4.00	-
Power input	Cooling	Nom.	kW	0.50	0.51	0.86	1.43
	Heating	Nom.	kW	0.50	0.70	0.99	1.59
Power input - Low sound mode (Stb. 2020, 189)	Cooling	Nom.	kW	0.50	0.51	0.86	-
	Heating	Nom.	kW	0.50	0.70	0.99	-
Nominal efficiency	EER			4.64	4.73	4.09	3.35
	COP			5.00	4.57	4.04	3.65
	Annual energy consumption		kWh	248	254	428	-
	Energy labeling Directive	Cooling		A			
		Heating		A			
Nominal efficiency - Low sound mode (Stb. 2020, 189)	EER			4.64	4.73	4.09	-
	COP			5.00	4.57	4.04	-
	Annual energy consumption		kWh	248	254	428	-
Space cooling	Energy efficiency class			A+++		A++	
	Capacity	Pdesign	kW	2.30	2.40	3.50	4.80
	SEER			8.73	8.64	7.19	7.02
	Annual energy consumption		kWh/a	92	97	170	239
Space cooling - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.30	2.40	3.50	-
	SEER			8.73	8.64	7.19	-
	Annual energy consumption		kWh/a	92	97	170	-
Space heating (Average climate)	Capacity	Pdesign	kW	2.10	2.70	3.00	4.60
	Energy efficiency class				A++		A+
	SCOP/A			4.61	4.60		4.28
	SCOPnet/A			4.65	4.66	4.64	4.30
	Pdh Heating capacity at -10°		kW	1.80	2.18	2.61	4.16
	Annual energy consumption		kWh/a	638	822	913	1,505
	Required back up heating cap at design conditions		kW	0.30	0.52	0.39	0.44
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.10	2.70	3.00	-
	SCOP/A			4.61	4.60		-
	SCOPnet/A			4.65	4.66	4.64	-
	Pdh Heating capacity at -10°		kW	1.80	2.18	2.61	-
	Annual energy consumption		kWh/a	638	822	913	-
	Required back up heating cap at design conditions		kW	0.30	0.52	0.39	-
Space heating (Warm climate)	Capacity	Pdesignh	kW	1.07	1.40	1.53	2.49
	Energy efficiency class			A++		A+++	
	SCOP			5.00	5.21	5.32	5.77
	SCOPnet			5.11	5.30	5.41	5.86
	Annual energy consumption		kWh/a	300	376	403	604
	Required back up heating cap at design conditions		kW		0.00		
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	1.07	1.40	1.53	-
	SCOP			5.00	5.21	5.32	-
	SCOPnet			5.11	5.30	5.41	-
	Annual energy consumption		kWh/a	300	376	403	-
	Required back up heating cap at design conditions		kW		0.00		-

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Technical specifications				FTXJ20MW + RXJ20A	FTXJ25MW + RXJ25A	FTXJ35MW + RXJ35A	FTXJ50MW + RXJ50A
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	2.30	2.40	3.50	4.80
		EERd		4.64	4.73	4.09	3.35
		Power input	kW	0.50	0.51	0.86	1.43
	B Condition (30°C - 27/19)	Pdc	kW	1.62	1.70	2.53	3.47
		EERd		7.67	7.33	5.44	5.24
		Power input	kW	0.21	0.23	0.47	0.66
	C Condition (25°C - 27/19)	Pdc	kW	1.27		1.66	2.36
		EERd		10.69	10.55	7.88	8.64
		Power input	kW	0.12		0.21	0.27
	D Condition (20°C - 27/19)	Pdc	kW	1.36	1.37	1.46	2.17
Space cooling	D Condition (20°C - 27/19)	EERd		14.25	14.16	13.76	12.00
		Power input	kW	0.10		0.11	0.18
Space cooling - Low sound mode (Stb. 2020, 189)	A Condition (35°C - 27/19)	Pdc	kW	2.30	2.40	3.50	-
		EERd		4.64	4.73	4.09	-
		Power input	kW	0.50	0.51	0.86	-
	B Condition (30°C - 27/19)	Pdc	kW	1.62	1.70	2.53	-
		EERd		7.67	7.33	5.44	-
		Power input	kW	0.21	0.23	0.47	-
	C Condition (25°C - 27/19)	Pdc	kW	1.27		1.66	-
		EERd		10.69	10.55	7.88	-
		Power input	kW	0.12		0.21	-
	D Condition (20°C - 27/19)	Pdc	kW	1.36	1.37	1.46	-
		EERd		14.25	14.16	13.76	-
		Power input	kW	0.10		0.11	-
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-15			
		COPd (declared COP)		2.69	2.47	2.41	2.16
	TBivalent	Tbiv (bivalent temperature)	°C	-7			
		Pdh (declared heating cap)	kW	1.87	2.31	2.64	4.19
		COPd (declared COP)		3.40	3.10		2.47
		Power input	kW	0.55	0.75	0.85	1.70
	A Condition (-7°C)	Pdh (declared heating cap)	kW	1.87	2.31	2.64	4.19
		COPd (declared COP)		3.40	3.10		2.47
		Power input	kW	0.55	0.75	0.85	1.70
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.07	1.40	1.53	2.49
		COPd (declared COP)		4.89	4.87	4.80	4.41
		Power input	kW	0.22	0.29	0.32	0.56
	C Condition (7°C)	Pdh (declared heating cap)	kW	1.00		1.07	1.63
		COPd (declared COP)		5.37		5.40	5.24
		Power input	kW	0.19		0.20	0.31
	D Condition (12°C)	Pdh (declared heating cap)	kW	0.96		0.99	1.87
		COPd (declared COP)		6.36		6.42	7.95
		Power input	kW	0.15			0.24
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)	°C	-15			-
		Pdh (declared heating cap)	kW	1.68	1.95	2.56	-
		COPd (declared COP)		2.69	2.47	2.41	-
		Power input	kW	0.62	0.79	1.06	-
	TBivalent	Tbiv (bivalent temperature)	°C	-7			-
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	TBivalent	Pdh (declared heating cap)	kW	1.87	2.31	2.64	-
		COPd (declared COP)		3.40	3.10		-
		Power input	kW	0.55	0.75	0.85	-
	A Condition (-7°C)	Pdh (declared heating cap)	kW	1.87	2.31	2.64	-
		COPd (declared COP)		3.40	3.10		-
		Power input	kW	0.55	0.75	0.85	-
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.07	1.40	1.53	-
		COPd (declared COP)		4.89	4.86	4.80	-
		Power input	kW	0.22	0.29	0.32	-
	C Condition (7°C)	Pdh (declared heating cap)	kW	1.00		1.07	-
		COPd (declared COP)		5.37		5.40	-
		Power input	kW	0.19		0.20	-
	D Condition (12°C)	Pdh (declared heating cap)	kW	0.96		0.99	-
		COPd (declared COP)		6.36		6.42	-
		Power input	kW	0.15			-

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Technical specifications					FTXJ20MW + RXJ20A	FTXJ25MW + RXJ25A	FTXJ35MW + RXJ35A	FTXJ50MW + RXJ50A
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15			
	TBivalent	Tbiv (bivalent temperature)		°C	2			
		Pdh (declared heating cap)		kW	1.07	1.40	1.53	2.49
		COPd (declared COP)			4.89	4.87	4.80	4.41
		Power input		kW	0.22	0.29	0.32	0.56
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.07	1.40	1.53	2.49
		COPd (declared COP)			4.89	4.87	4.80	4.41
		Power input		kW	0.22	0.29	0.32	0.56
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.00		1.07	1.63
		COPd (declared COP)			5.37		5.40	5.24
		Power input		kW	0.19		0.20	0.31
	D Condition (12°C)	Pdh (declared heating cap)		kW	0.96		0.99	1.90
		COPd (declared COP)			6.36		6.42	7.95
		Power input		kW	0.15			0.24
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)		°C	-15			-
		Pdh (declared heating cap)		kW	1.68	1.95	2.56	-
		COPd (declared COP)			2.69	2.47	2.41	-
		Power input		kW	0.62	0.79	1.06	-
	TBivalent	Tbiv (bivalent temperature)		°C	2			-
		Pdh (declared heating cap)		kW	1.07	1.40	1.53	-
		COPd (declared COP)			4.89	4.86	4.80	-
		Power input		kW	0.22	0.29	0.32	-
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	B Condition (2°C)	Pdh (declared heating cap)		kW	1.07	1.40	1.53	-
		COPd (declared COP)			4.89	4.86	4.80	-
		Power input		kW	0.22	0.29	0.32	-
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.00		1.07	-
		COPd (declared COP)			5.37		5.40	-
		Power input		kW	0.19		0.20	-
	D Condition (12°C)	Pdh (declared heating cap)		kW	0.96		0.99	-
		Power input		kW	0.15			-
		COPd (declared COP)			6.36		6.42	-
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0.0			-
	Off mode	POFF		W	1.0			
	Standby mode	Cooling	PSB	W	1.0			
	Thermo-stat-off mode	PTO	Heating	W	9.0			-
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			
Ecolabel logo					No			
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	61		63	
	Sound power level indoor	Cooling	Nom.	dBA	54		59	60
	Piping length	Cooling	Measuring condition	m	-			5.0
Pto (Thermostat off)				W	-			9.0

Electrical specifications				FTXJ20MW + RXJ20A	FTXJ25MW + RXJ25A	FTXJ35MW + RXJ35A	FTXJ50MW + RXJ50A
Power factor	Nominal	Cooling	%		-		96.80
		Heating	%		-		97.40
Current	Nominal running current (RLA)	Cooling	A		-		6.43
	Nominal running current (RLA) - 50Hz	Heating	A		-		7.10
Current - 50Hz	Maximum fuse amps (MFA)		A	10.00	13.00		

See separate drawing for operation range |
See separate drawing for electrical data |
Cooling: T2: indoor temp. 26,6°CDB, 19,4°CWB, outdoor temp. 48°CDB [Btu/hr/W] |
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.

2 Specifications

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Technical specifications				FTXJ20AB9 + RXJ20A	FTXJ25AB9 + RXJ25A	FTXJ35AB9 + RXJ35A	FTXJ42AB9 + RXJ42A	FTXJ50AB9 + RXJ50A
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	E condition (2°C)	Pdh (declared heating cap)	kW	1.3	1.32	1.35	2.05	2.16
		COPd (declared COP)		5.18	5.17	5.19	4.5	4.52
Cooling capacity	Min.		kW	1.3		1.4	1.7	
	Min.		Btu/h	4,400		4,800	5,800	
	Min.		kcal/h	1,118		1,204	1,462	
	Nom.		kW	2	2.5	3.4	4.2	5
	Nom.		Btu/h	6,800	8,500	11,600	14,300	17,100
	Nom.		kcal/h	1,720	2,150	2,923	3,611	4,299
	Max.		kW	2.6	3.2	4	5	5.3
	Max.		Btu/h	8,900	10,900	13,600	17,100	18,100
	Max.		kcal/h	2,236	2,752	3,439	4,299	4,557
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	1.3		1.4	1.7	
	Min.		Btu/h	4,400		4,800	5,800	
	Min.		kcal/h	1,118		1,204	1,462	
	Nom.		kW	2	2.5	3.4	4.2	5
	Nom.		Btu/h	6,800	8,500	11,600	14,300	17,100
	Nom.		kcal/h	1,720	2,150	2,923	3,611	4,299
	Max.		kW	2.6	3.2	3.6	4.9	5
	Max.		Btu/h	8,900	10,900	12,283	16,720	17,060
	Max.		kcal/h	2,236	2,752	3,097	4,213	4,299
Heating capacity	Min.		kW	1.3		1.4	1.7	
	Min.		Btu/h	4,400		4,800	5,800	
	Min.		kcal/h	1,118		1,204	1,500	
	Nom.		kW	2.5	2.8	4	5.4	5.8
	Nom.		Btu/h	8,500	9,600	13,600	18,400	19,800
	Nom.		kcal/h	2,150	2,408	3,439	4,643	4,987
	Max.		kW	3.5	4.7	5.2	6	6.5
	Max.		Btu/h	11,900	16,000	17,700	20,500	22,200
	Max.		kcal/h	3,009	4,041	4,471	5,159	5,589
Heating capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	1.3		1.4	1.7	
	Min.		Btu/h	4,400		4,800	5,800	
	Min.		kcal/h	1,118		1,204	1,500	
	Nom.		kW	2.5	2.8	4	5.4	5.8
	Nom.		Btu/h	8,500	9,600	13,600	18,400	19,800
	Nom.		kcal/h	2,150	2,408	3,439	4,643	4,987
	Max.		kW	3.5	4.7	5.2	5.7	5.8
Heating capacity - Low sound mode (Stb. 2020, 189)	Max.		Btu/h	11,900	16,000	17,700	19,450	19,790
	Max.		kcal/h	3,009	4,041	4,471	4,900	4,987
Power input	Cooling	Nom.	kW	0.43	0.56	0.78	1.05	1.36
	Heating	Nom.	kW	0.5	0.56	0.99	1.31	1.45
Power input - Low sound mode (Stb. 2020, 189)	Cooling	Nom.	kW	0.43	0.56	0.78	1.05	1.36
	Heating	Nom.	kW	0.5	0.56	0.99	1.34	1.49
Nominal efficiency	EER			4.7	4.46	4.37	3.99	3.68
	COP			5		4.04	4.12	4
	Annual energy consumption		kWh	213	280	389	526	679
	Energy labeling Directive	Cooling		A				
		Heating		A				
Nominal efficiency - Low sound mode (Stb. 2020, 189)	EER			4.7	4.46	4.37	3.99	3.68
	COP			5		4.04	4.02	3.9
	Annual energy consumption		kWh	213	280	389	526	679
Space cooling	Energy efficiency class			A+++			A++	
	Capacity	Pdesign	kW	2	2.5	3.4	4.2	5
	SEER			8.75	8.74	8.73	7.5	7.33
	Annual energy consumption		kWh/a	80	100	136	196	239
Space cooling - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2	2.5	3.4	4.2	5
	SEER			8.75	8.74	8.73	7.5	7.33
	Annual energy consumption		kWh/a	80	100	136	196	239
Space heating (Average climate)	Capacity	Pdesign	kW	2.4	2.45	2.5	3.8	4
	Energy efficiency class			A+++			A++	
	SCOP/A			5.15			4.6	
	SCOPnet/A			5.21			4.64	4.63
	Pdh Heating capacity at -10°		kW	2.02	2.07	2.11	3.26	3.44
	Annual energy consumption		kWh/a	652	666	680	1,156	1,218
	Required back up heating cap at design conditions		kW	0.38		0.39	0.54	0.56

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Technical specifications				FTXJ20AB9 + RXJ20A	FTXJ25AB9 + RXJ25A	FTXJ35AB9 + RXJ35A	FTXJ42AB9 + RXJ42A	FTXJ50AB9 + RXJ50A
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.4	2.45	2.5	3.8	4
	SCOP/A			5.15			4.6	
	SCOPnet/A			5.21			4.64	4.63
	Pdh Heating capacity at -10°		kW	2.02	2.07	2.11	3.26	3.44
	Annual energy consumption		kWh/a	652	666	680	1,156	1,218
	Required back up heating cap at design conditions		kW	0.38		0.39	0.54	0.56
Space heating (Warm climate)	Capacity	Pdesignh	kW	1.3	1.32	1.35	2.05	2.16
	Energy efficiency class			A+++				
	SCOP			6.26	6.27	6.2	5.78	5.77
Space heating (Warm climate)	SCOPnet			6.47	6.48	6.4	5.9	5.88
	Annual energy consumption		kWh/a	291	295	305	496	524
	Required back up heating cap at design conditions		kW	0				
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	1.3	1.32	1.35	2.05	2.16
	SCOP			6.26	6.27	6.2	5.78	5.77
	SCOPnet			6.47	6.48	6.4	5.9	5.88
	Annual energy consumption		kWh/a	291	295	305	496	524
	Required back up heating cap at design conditions		kW	0				
Space cooling	A Condition	Pdc	kW	2	2.5	3.4	4.2	5
	(35°C - 27/19)	EERd		4.7	4.46	4.37	3.99	3.68
		Power input	kW	0.43	0.56	0.78	1.05	1.36
	B Condition	Pdc	kW	1.48	1.85	2.51	3.1	3.69
	(30°C - 27/19)	EERd		6.96	6.59	6.27	5.59	5.29
		Power input	kW	0.21	0.28	0.4	0.55	0.7
	C Condition	Pdc	kW	1.21	1.22	1.62	1.99	2.37
	(25°C - 27/19)	EERd		11.41	10.97	10.44	9.35	9.24
		Power input	kW	0.11		0.16	0.21	0.26
	D Condition	Pdc	kW	1.18	1.19	1.29	1.89	
	(20°C - 27/19)	EERd		15.11	15.09	16.64	12.08	12.03
		Power input	kW	0.08			0.16	
Space cooling - Low sound mode (Stb. 2020, 189)	A Condition	Pdc	kW	2	2.5	3.4	4.2	5
	(35°C - 27/19)	EERd		4.7	4.46	4.37	3.99	3.68
		Power input	kW	0.43	0.56	0.78	1.05	1.36
	B Condition	Pdc	kW	1.48	1.85	2.51	3.1	3.69
	(30°C - 27/19)	EERd		6.96	6.59	6.27	5.59	5.29
		Power input	kW	0.21	0.28	0.4	0.55	0.7
	C Condition	Pdc	kW	1.21	1.22	1.62	1.99	2.37
	(25°C - 27/19)	EERd		11.41	10.97	10.44	9.35	9.24
		Power input	kW	0.11		0.16	0.21	0.26
	D Condition	Pdc	kW	1.18	1.19	1.29	1.89	
	(20°C - 27/19)	EERd		15.11	15.09	16.64	12.08	12.03
		Power input	kW	0.08			0.16	
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-10				
	TBivalent	Tbiv (bivalent temperature)	°C	-7				
		Pdh (declared heating cap)	kW	2.13	2.17	2.22	3.37	3.54
		COPd (declared COP)		3.49	3.48	3.54	3.24	3.16
		Power input	kW	0.61	0.62	0.63	1.04	1.12
Space heating (Average climate)	A Condition	Pdh (declared heating cap)	kW	2.13	2.17	2.22	3.37	3.54
	(-7°C)	COPd (declared COP)		3.49	3.48	3.54	3.24	3.16
		Power input	kW	0.61	0.62	0.63	1.04	1.12
	B Condition	Pdh (declared heating cap)	kW	1.3	1.32	1.35	2.05	2.16
	(2°C)	COPd (declared COP)		5.18	5.17	5.19	4.5	4.52
		Power input	kW	0.25	0.26		0.46	0.48
	C Condition	Pdh (declared heating cap)	kW	0.91	0.93	0.95	1.71	1.73
	(7°C)	COPd (declared COP)		6.45	6.48	6.42	6.14	6.13
		Power input	kW	0.14		0.15	0.28	
	D Condition	Pdh (declared heating cap)	kW	1.12	1.13	1.15	1.52	1.56
	(12°C)	COPd (declared COP)		8.04	8.03	7.89	7.35	7.25
		Power input	kW	0.14		0.15	0.21	0.22
	E condition	Pdh (declared heating cap)	kW	2.02	2.07	2.11	3.26	3.44
	(-10°C)	COPd (declared COP)		3.01	3.04	2.81	2.79	2.78
		Power input	kW	0.67	0.68	0.75	1.17	1.24

2 Specifications

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Technical specifications					FTXJ20AB9 + RXJ20A	FTXJ25AB9 + RXJ25A	FTXJ35AB9 + RXJ35A	FTXJ42AB9 + RXJ42A	FTXJ50AB9 + RXJ50A
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)		°C	-10				
	TBivalent	Tbiv (bivalent temperature)		°C	-7				
		Pdh (declared heating cap)		kW	2.13	2.17	2.22	3.37	3.54
		COPd (declared COP)			3.49	3.48	3.54	3.24	3.16
		Power input		kW	0.61	0.62	0.63	1.04	1.12
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.13	2.17	2.22	3.37	3.54
		COPd (declared COP)			3.49	3.48	3.54	3.24	3.16
		Power input		kW	0.61	0.62	0.63	1.04	1.12
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.3	1.32	1.35	2.05	2.16
		COPd (declared COP)			5.18	5.17	5.19	4.5	4.52
		Power input		kW	0.25	0.26		0.46	0.48
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.91	0.93	0.95	1.71	1.73
		COPd (declared COP)			6.45	6.48	6.42	6.14	6.13
		Power input		kW	0.14		0.15	0.28	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.12	1.13	1.15	1.52	1.56
		COPd (declared COP)			8.04	8.03	7.89	7.35	7.25
		Power input		kW	0.14		0.15	0.21	0.22
	E condition (-10°C)	Pdh (declared heating cap)		kW	2.02	2.07	2.11	3.26	3.44
		COPd (declared COP)			3.01	3.04	2.81	2.79	2.78
		Power input		kW	0.67	0.68	0.75	1.17	1.24
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	2				
	TBivalent	Tbiv (bivalent temperature)		°C	2				
Space heating (Warm climate)	TBivalent	Pdh (declared heating cap)		kW	1.3	1.32	1.35	2.05	2.16
		COPd (declared COP)			5.18	5.17	5.19	4.5	4.52
		Power input		kW	0.25	0.26		0.46	0.48
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.3	1.32	1.35	2.05	2.16
		COPd (declared COP)			5.18	5.17	5.19	4.5	4.52
		Power input		kW	0.25	0.26		0.46	0.48
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.91	0.93	0.95	1.71	1.73
		COPd (declared COP)			6.45	6.48	6.42	6.14	6.13
		Power input		kW	0.14		0.15	0.28	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.12	1.13	1.15	1.52	1.56
		COPd (declared COP)			8.04	8.03	7.89	7.35	7.25
		Power input		kW	0.14		0.15	0.21	0.22
	E condition (2°C)	Pdh (declared heating cap)		kW	1.3	1.32	1.35	2.05	2.16
		COPd (declared COP)			5.18	5.17	5.19	4.5	4.52
		Power input		kW	0.25	0.26		0.46	0.48
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)		°C	2				
	TBivalent	Tbiv (bivalent temperature)		°C	2				
		Pdh (declared heating cap)		kW	1.3	1.32	1.35	2.05	2.16
		COPd (declared COP)			5.18	5.17	5.19	4.5	4.52
		Power input		kW	0.25	0.26		0.46	0.48
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.3	1.32	1.35	2.05	2.16
		COPd (declared COP)			5.18	5.17	5.19	4.5	4.52
		Power input		kW	0.25	0.26		0.46	0.48
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.91	0.93	0.95	1.71	1.73
		COPd (declared COP)			6.45	6.48	6.42	6.14	6.13
		Power input		kW	0.14		0.15	0.28	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.12	1.13	1.15	1.52	1.56
		Power input		kW	0.14		0.15	0.21	0.22
		COPd (declared COP)			8.04	8.03	7.89	7.35	7.25
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	E condition (-10°C)	Pdh (declared heating cap)		kW	2.02	2.07	2.11	3.26	3.44
		COPd (declared COP)			3.01	3.04	2.81	2.79	2.78
		Power input		kW	0.67	0.68	0.75	1.17	1.24
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)				kW	0.25	0.26		0.46	0.48
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				
Power consumption in other than active mode	Thermo-stat-off mode	PTO	Cooling	W	7			12	
			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

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Technical specifications					FTXJ20AB9 + RXJ20A	FTXJ25AB9 + RXJ25A	FTXJ35AB9 + RXJ35A	FTXJ42AB9 + RXJ42A	FTXJ50AB9 + RXJ50A
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	59		61	62	
	Sound power level indoor	Cooling	Nom.	dBA	57		60		
	Piping length	Cooling	Measuring condition	m	5				

Electrical specifications				FTXJ20AB9 + RXJ20A	FTXJ25AB9 + RXJ25A	FTXJ35AB9 + RXJ35A	FTXJ42AB9 + RXJ42A	FTXJ50AB9 + RXJ50A
Power factor	Nominal	Cooling	%	93.48	93.65	96.89	93.17	93.86
		Heating	%	90.58	93.65	97.83	93.37	90.06
Current	Nominal running current (RLA) - 50Hz	Heating	A	2.4	2.6	4.4	6.1	7
Current - 50Hz	Maximum fuse amps (MFA)		A	10	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				FTXJ20AS9 + RXJ20A	FTXJ25AS9 + RXJ25A	FTXJ35AS9 + RXJ35A	FTXJ42AS9 + RXJ42A	FTXJ50AS9 + RXJ50A
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	E condition (2°C)	Pdh (declared heating cap)	kW	1.3	1.32	1.35	2.05	2.16
		COPd (declared COP)		5.18	5.17	5.19	4.5	4.52
Cooling capacity	Min.		kW	1.3		1.4	1.7	
	Min.		Btu/h	4,400		4,800	5,800	
	Min.		kcal/h	1,118		1,204	1,462	
	Nom.		kW	2	2.5	3.4	4.2	5
	Nom.		Btu/h	6,800	8,500	11,600	14,300	17,100
	Nom.		kcal/h	1,720	2,150	2,923	3,611	4,299
	Max.		kW	2.6	3.2	4	5	5.3
	Max.		Btu/h	8,900	10,900	13,600	17,100	18,100
	Max.		kcal/h	2,236	2,752	3,439	4,299	4,557
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	1.3		1.4	1.7	
	Min.		Btu/h	4,400		4,800	5,800	
	Min.		kcal/h	1,118		1,204	1,462	
	Nom.		kW	2	2.5	3.4	4.2	5
	Nom.		Btu/h	6,800	8,500	11,600	14,300	17,100
	Nom.		kcal/h	1,720	2,150	2,923	3,611	4,299
	Max.		kW	2.6	3.2	3.6	4.9	5
	Max.		Btu/h	8,900	10,900	12,283	16,720	17,060
	Max.		kcal/h	2,236	2,752	3,097	4,213	4,299
Heating capacity	Min.		kW	1.3		1.4	1.7	
	Min.		Btu/h	4,400		4,800	5,800	
	Min.		kcal/h	1,118		1,204	1,500	
	Nom.		kW	2.5	2.8	4	5.4	5.8
	Nom.		Btu/h	8,500	9,600	13,600	18,400	19,800
	Nom.		kcal/h	2,150	2,408	3,439	4,643	4,987
	Max.		kW	3.5	4.7	5.2	6	6.5
	Max.		Btu/h	11,900	16,000	17,700	20,500	22,200
	Max.		kcal/h	3,009	4,041	4,471	5,159	5,589
Heating capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	1.3		1.4	1.7	
	Min.		Btu/h	4,400		4,800	5,800	
	Min.		kcal/h	1,118		1,204	1,500	
	Nom.		kW	2.5	2.8	4	5.4	5.8
	Nom.		Btu/h	8,500	9,600	13,600	18,400	19,800
	Nom.		kcal/h	2,150	2,408	3,439	4,643	4,987
	Max.		kW	3.5	4.7	5.2	5.7	5.8
Heating capacity - Low sound mode (Stb. 2020, 189)	Max.		Btu/h	11,900	16,000	17,700	19,450	19,790
	Max.		kcal/h	3,009	4,041	4,471	4,900	4,987
Power input	Cooling	Nom.	kW	0.43	0.56	0.78	1.05	1.36
	Heating	Nom.	kW	0.5	0.56	0.99	1.31	1.45
Power input - Low sound mode (Stb. 2020, 189)	Cooling	Nom.	kW	0.43	0.56	0.78	1.05	1.36
	Heating	Nom.	kW	0.5	0.56	0.99	1.34	1.49

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Technical specifications				FTXJ20AS9 + RXJ20A	FTXJ25AS9 + RXJ25A	FTXJ35AS9 + RXJ35A	FTXJ42AS9 + RXJ42A	FTXJ50AS9 + RXJ50A
Nominal efficiency	EER			4.7	4.46	4.37	3.99	3.68
	COP			5		4.04	4.12	4
	Annual energy consumption		kWh	213	280	389	526	679
	Energy labeling Directive	Cooling		A				
		Heating		A				
Nominal efficiency - Low sound mode (Stb. 2020, 189)	EER			4.7	4.46	4.37	3.99	3.68
	COP			5		4.04	4.02	3.9
	Annual energy consumption		kWh	213	280	389	526	679
Space cooling	Energy efficiency class			A+++			A++	
	Capacity	Pdesign	kW	2	2.5	3.4	4.2	5
	SEER			8.75	8.74	8.73	7.5	7.33
	Annual energy consumption		kWh/a	80	100	136	196	239
Space cooling - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2	2.5	3.4	4.2	5
	SEER			8.75	8.74	8.73	7.5	7.33
	Annual energy consumption		kWh/a	80	100	136	196	239
Space heating (Average climate)	Capacity	Pdesign	kW	2.4	2.45	2.5	3.8	4
	Energy efficiency class			A+++			A++	
	SCOP/A			5.15			4.6	
	SCOPnet/A			5.21			4.64	4.63
	Pdh Heating capacity at -10°		kW	2.02	2.07	2.11	3.26	3.44
	Annual energy consumption		kWh/a	652	666	680	1,156	1,218
	Required back up heating cap at design conditions		kW	0.38		0.39	0.54	0.56
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.4	2.45	2.5	3.8	4
	SCOP/A			5.15			4.6	
	SCOPnet/A			5.21			4.64	4.63
	Pdh Heating capacity at -10°		kW	2.02	2.07	2.11	3.26	3.44
	Annual energy consumption		kWh/a	652	666	680	1,156	1,218
	Required back up heating cap at design conditions		kW	0.38		0.39	0.54	0.56
Space heating (Warm climate)	Capacity	Pdesignh	kW	1.3	1.32	1.35	2.05	2.16
	Energy efficiency class					A+++		
	SCOP			6.26	6.27	6.2	5.78	5.77
Space heating (Warm climate)	SCOPnet			6.47	6.48	6.4	5.9	5.88
	Annual energy consumption		kWh/a	291	295	305	496	524
	Required back up heating cap at design conditions		kW			0		
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	1.3	1.32	1.35	2.05	2.16
	SCOP			6.26	6.27	6.2	5.78	5.77
	SCOPnet			6.47	6.48	6.4	5.9	5.88
	Annual energy consumption		kWh/a	291	295	305	496	524
	Required back up heating cap at design conditions		kW			0		
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	2	2.5	3.4	4.2	5
		EERd		4.7	4.46	4.37	3.99	3.68
		Power input	kW	0.43	0.56	0.78	1.05	1.36
	B Condition (30°C - 27/19)	Pdc	kW	1.48	1.85	2.51	3.1	3.69
		EERd		6.96	6.59	6.27	5.59	5.29
		Power input	kW	0.21	0.28	0.4	0.55	0.7
	C Condition (25°C - 27/19)	Pdc	kW	1.21	1.22	1.62	1.99	2.37
		EERd		11.41	10.97	10.44	9.35	9.24
		Power input	kW	0.11		0.16	0.21	0.26
	D Condition (20°C - 27/19)	Pdc	kW	1.18	1.19	1.29	1.89	
		EERd		15.11	15.09	16.64	12.08	12.03
		Power input	kW	0.08			0.16	
Space cooling - Low sound mode (Stb. 2020, 189)	A Condition (35°C - 27/19)	Pdc	kW	2	2.5	3.4	4.2	5
		EERd		4.7	4.46	4.37	3.99	3.68
		Power input	kW	0.43	0.56	0.78	1.05	1.36
	B Condition (30°C - 27/19)	Pdc	kW	1.48	1.85	2.51	3.1	3.69
		EERd		6.96	6.59	6.27	5.59	5.29
		Power input	kW	0.21	0.28	0.4	0.55	0.7
	C Condition (25°C - 27/19)	Pdc	kW	1.21	1.22	1.62	1.99	2.37
		EERd		11.41	10.97	10.44	9.35	9.24
		Power input	kW	0.11		0.16	0.21	0.26
	D Condition (20°C - 27/19)	Pdc	kW	1.18	1.19	1.29	1.89	
		EERd		15.11	15.09	16.64	12.08	12.03
		Power input	kW	0.08			0.16	
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C			-10		
	TBivalent	Tbiv (bivalent temperature)	°C			-7		
		Pdh (declared heating cap)	kW	2.13	2.17	2.22	3.37	3.54
		COPd (declared COP)		3.49	3.48	3.54	3.24	3.16
		Power input	kW	0.61	0.62	0.63	1.04	1.12

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Technical specifications				FTXJ20AS9 + RXJ20A	FTXJ25AS9 + RXJ25A	FTXJ35AS9 + RXJ35A	FTXJ42AS9 + RXJ42A	FTXJ50AS9 + RXJ50A
Space heating (Average climate)	A Condition (-7°C)	Pdh (declared heating cap)	kW	2.13	2.17	2.22	3.37	3.54
		COPd (declared COP)		3.49	3.48	3.54	3.24	3.16
		Power input	kW	0.61	0.62	0.63	1.04	1.12
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.3	1.32	1.35	2.05	2.16
		COPd (declared COP)		5.18	5.17	5.19	4.5	4.52
		Power input	kW	0.25	0.26		0.46	0.48
	C Condition (7°C)	Pdh (declared heating cap)	kW	0.91	0.93	0.95	1.71	1.73
		COPd (declared COP)		6.45	6.48	6.42	6.14	6.13
		Power input	kW	0.14		0.15	0.28	
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.12	1.13	1.15	1.52	1.56
		COPd (declared COP)		8.04	8.03	7.89	7.35	7.25
		Power input	kW	0.14		0.15	0.21	0.22
	E condition (-10°C)	Pdh (declared heating cap)	kW	2.02	2.07	2.11	3.26	3.44
		COPd (declared COP)		3.01	3.04	2.81	2.79	2.78
		Power input	kW	0.67	0.68	0.75	1.17	1.24
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)	°C	-10				
	TBivalent	Tbiv (bivalent temperature)	°C	-7				
		Pdh (declared heating cap)	kW	2.13	2.17	2.22	3.37	3.54
		COPd (declared COP)		3.49	3.48	3.54	3.24	3.16
		Power input	kW	0.61	0.62	0.63	1.04	1.12
	A Condition (-7°C)	Pdh (declared heating cap)	kW	2.13	2.17	2.22	3.37	3.54
		COPd (declared COP)		3.49	3.48	3.54	3.24	3.16
		Power input	kW	0.61	0.62	0.63	1.04	1.12
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.3	1.32	1.35	2.05	2.16
		COPd (declared COP)		5.18	5.17	5.19	4.5	4.52
		Power input	kW	0.25	0.26		0.46	0.48
	C Condition (7°C)	Pdh (declared heating cap)	kW	0.91	0.93	0.95	1.71	1.73
		COPd (declared COP)		6.45	6.48	6.42	6.14	6.13
		Power input	kW	0.14		0.15	0.28	
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.12	1.13	1.15	1.52	1.56
		COPd (declared COP)		8.04	8.03	7.89	7.35	7.25
		Power input	kW	0.14		0.15	0.21	0.22
	E condition (-10°C)	Pdh (declared heating cap)	kW	2.02	2.07	2.11	3.26	3.44
		COPd (declared COP)		3.01	3.04	2.81	2.79	2.78
		Power input	kW	0.67	0.68	0.75	1.17	1.24
Space heating (Warm climate)	TOL	Tol (temperature operating limit)	°C	2				
	TBivalent	Tbiv (bivalent temperature)	°C	2				
Space heating (Warm climate)	TBivalent	Pdh (declared heating cap)	kW	1.3	1.32	1.35	2.05	2.16
		COPd (declared COP)		5.18	5.17	5.19	4.5	4.52
		Power input	kW	0.25	0.26		0.46	0.48
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.3	1.32	1.35	2.05	2.16
		COPd (declared COP)		5.18	5.17	5.19	4.5	4.52
		Power input	kW	0.25	0.26		0.46	0.48
	C Condition (7°C)	Pdh (declared heating cap)	kW	0.91	0.93	0.95	1.71	1.73
		COPd (declared COP)		6.45	6.48	6.42	6.14	6.13
		Power input	kW	0.14		0.15	0.28	
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.12	1.13	1.15	1.52	1.56
		COPd (declared COP)		8.04	8.03	7.89	7.35	7.25
		Power input	kW	0.14		0.15	0.21	0.22
	E condition (2°C)	Pdh (declared heating cap)	kW	1.3	1.32	1.35	2.05	2.16
		COPd (declared COP)		5.18	5.17	5.19	4.5	4.52
		Power input	kW	0.25	0.26		0.46	0.48
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)	°C	2				
	TBivalent	Tbiv (bivalent temperature)	°C	2				
		Pdh (declared heating cap)	kW	1.3	1.32	1.35	2.05	2.16
		COPd (declared COP)		5.18	5.17	5.19	4.5	4.52
		Power input	kW	0.25	0.26		0.46	0.48
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.3	1.32	1.35	2.05	2.16
		COPd (declared COP)		5.18	5.17	5.19	4.5	4.52
		Power input	kW	0.25	0.26		0.46	0.48
	C Condition (7°C)	Pdh (declared heating cap)	kW	0.91	0.93	0.95	1.71	1.73
		COPd (declared COP)		6.45	6.48	6.42	6.14	6.13
		Power input	kW	0.14		0.15	0.28	
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.12	1.13	1.15	1.52	1.56
		Power input	kW	0.14		0.15	0.21	0.22
		COPd (declared COP)		8.04	8.03	7.89	7.35	7.25
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	E condition (-10°C)	Pdh (declared heating cap)	kW	2.02	2.07	2.11	3.26	3.44
		COPd (declared COP)		3.01	3.04	2.81	2.79	2.78
		Power input	kW	0.67	0.68	0.75	1.17	1.24
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)			kW	0.25	0.26		0.46	0.48

2 Specifications

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Technical specifications					FTXJ20AS9 + RXJ20A	FTXJ25AS9 + RXJ25A	FTXJ35AS9 + RXJ35A	FTXJ42AS9 + RXJ42A	FTXJ50AS9 + RXJ50A
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				
Power consumption in other than active mode	Thermo-stat-off mode	PTO	Cooling	W	7			12	
			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	62	
	Sound power level indoor	Cooling	Nom.	dBA	57		60		
	Piping length	Cooling	Measuring condition	m	5				

Electrical specifications				FTXJ20AS9 + RXJ20A	FTXJ25AS9 + RXJ25A	FTXJ35AS9 + RXJ35A	FTXJ42AS9 + RXJ42A	FTXJ50AS9 + RXJ50A
Power factor	Nominal	Cooling	%	93.48	93.65	96.89	93.17	93.86
		Heating	%	90.58	93.65	97.83	93.37	90.06
Current	Nominal running current (RLA) - 50Hz	Heating	A	2.4	2.6	4.4	6.1	7
Current - 50Hz	Maximum fuse amps (MFA)		A	10	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					FTXJ20AW9 + RXJ20A	FTXJ25AW9 + RXJ25A	FTXJ35AW9 + RXJ35A	FTXJ42AW9 + RXJ42A	FTXJ50AW9 + RXJ50A
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	E condition (2°C)	Pdh (declared heating cap)		kW	1.3	1.32	1.35	2.05	2.16
		COPd (declared COP)			5.18	5.17	5.19	4.5	4.52
Cooling capacity	Min.			kW	1.3		1.4	1.7	
	Min.			Btu/h	4,400		4,800	5,800	
	Min.			kcal/h	1,118		1,204	1,462	
	Nom.			kW	2	2.5	3.4	4.2	5
	Nom.			Btu/h	6,800	8,500	11,600	14,300	17,100
	Nom.			kcal/h	1,720	2,150	2,923	3,611	4,299
	Max.			kW	2.6	3.2	4	5	5.3
	Max.			Btu/h	8,900	10,900	13,600	17,100	18,100
	Max.			kcal/h	2,236	2,752	3,439	4,299	4,557
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.			kW	1.3		1.4	1.7	
	Min.			Btu/h	4,400		4,800	5,800	
	Min.			kcal/h	1,118		1,204	1,462	
	Nom.			kW	2	2.5	3.4	4.2	5
	Nom.			Btu/h	6,800	8,500	11,600	14,300	17,100
	Nom.			kcal/h	1,720	2,150	2,923	3,611	4,299
	Max.			kW	2.6	3.2	3.6	4.9	5
	Max.			Btu/h	8,900	10,900	12,283	16,720	17,060
	Max.			kcal/h	2,236	2,752	3,097	4,213	4,299
Heating capacity	Min.			kW	1.3		1.4	1.7	
	Min.			Btu/h	4,400		4,800	5,800	
	Min.			kcal/h	1,118		1,204	1,500	
	Nom.			kW	2.5	2.8	4	5.4	5.8
	Nom.			Btu/h	8,500	9,600	13,600	18,400	19,800
	Nom.			kcal/h	2,150	2,408	3,439	4,643	4,987
	Max.			kW	3.5	4.7	5.2	6	6.5
	Max.			Btu/h	11,900	16,000	17,700	20,500	22,200
	Max.			kcal/h	3,009	4,041	4,471	5,159	5,589

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Technical specifications				FTXJ20AW9 + RXJ20A	FTXJ25AW9 + RXJ25A	FTXJ35AW9 + RXJ35A	FTXJ42AW9 + RXJ42A	FTXJ50AW9 + RXJ50A
Heating capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	1.3		1.4	1.7	
	Min.		Btu/h	4,400		4,800	5,800	
	Min.		kcal/h	1,118		1,204	1,500	
	Nom.		kW	2.5	2.8	4	5.4	5.8
	Nom.		Btu/h	8,500	9,600	13,600	18,400	19,800
	Nom.		kcal/h	2,150	2,408	3,439	4,643	4,987
	Max.		kW	3.5	4.7	5.2	5.7	5.8
Heating capacity - Low sound mode (Stb. 2020, 189)	Max.		Btu/h	11,900	16,000	17,700	19,450	19,790
	Max.		kcal/h	3,009	4,041	4,471	4,900	4,987
Power input	Cooling	Nom.	kW	0.43	0.56	0.78	1.05	1.36
	Heating	Nom.	kW	0.5	0.56	0.99	1.31	1.45
Power input - Low sound mode (Stb. 2020, 189)	Cooling	Nom.	kW	0.43	0.56	0.78	1.05	1.36
	Heating	Nom.	kW	0.5	0.56	0.99	1.34	1.49
Nominal efficiency	EER			4.7	4.46	4.37	3.99	3.68
	COP			5		4.04	4.12	4
	Annual energy consumption		kWh	213	280	389	526	679
	Energy labeling Directive	Cooling		A				
		Heating		A				
Nominal efficiency - Low sound mode (Stb. 2020, 189)	EER			4.7	4.46	4.37	3.99	3.68
	COP			5		4.04	4.02	3.9
	Annual energy consumption		kWh	213	280	389	526	679
Space cooling	Energy efficiency class			A+++			A++	
	Capacity	Pdesign	kW	2	2.5	3.4	4.2	5
	SEER			8.75	8.74	8.73	7.5	7.33
	Annual energy consumption		kWh/a	80	100	136	196	239
Space cooling - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2	2.5	3.4	4.2	5
	SEER			8.75	8.74	8.73	7.5	7.33
	Annual energy consumption		kWh/a	80	100	136	196	239
Space heating (Average climate)	Capacity	Pdesign	kW	2.4	2.45	2.5	3.8	4
	Energy efficiency class			A+++			A++	
	SCOP/A			5.15			4.6	
	SCOPnet/A			5.21			4.64	4.63
	Pdh Heating capacity at -10°		kW	2.02	2.07	2.11	3.26	3.44
	Annual energy consumption		kWh/a	652	666	680	1,156	1,218
	Required back up heating cap at design conditions		kW	0.38		0.39	0.54	0.56
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.4	2.45	2.5	3.8	4
	SCOP/A			5.15			4.6	
	SCOPnet/A			5.21			4.64	4.63
	Pdh Heating capacity at -10°		kW	2.02	2.07	2.11	3.26	3.44
	Annual energy consumption		kWh/a	652	666	680	1,156	1,218
	Required back up heating cap at design conditions		kW	0.38		0.39	0.54	0.56
Space heating (Warm climate)	Capacity	Pdesignh	kW	1.3	1.32	1.35	2.05	2.16
	Energy efficiency class			A+++				
	SCOP			6.26	6.27	6.2	5.78	5.77
Space heating (Warm climate)	SCOPnet			6.47	6.48	6.4	5.9	5.88
	Annual energy consumption		kWh/a	291	295	305	496	524
	Required back up heating cap at design conditions		kW	0				
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	1.3	1.32	1.35	2.05	2.16
	SCOP			6.26	6.27	6.2	5.78	5.77
	SCOPnet			6.47	6.48	6.4	5.9	5.88
	Annual energy consumption		kWh/a	291	295	305	496	524
	Required back up heating cap at design conditions		kW	0				
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	2	2.5	3.4	4.2	5
		EERd		4.7	4.46	4.37	3.99	3.68
		Power input	kW	0.43	0.56	0.78	1.05	1.36
	B Condition (30°C - 27/19)	Pdc	kW	1.48	1.85	2.51	3.1	3.69
		EERd		6.96	6.59	6.27	5.59	5.29
		Power input	kW	0.21	0.28	0.4	0.55	0.7
	C Condition (25°C - 27/19)	Pdc	kW	1.21	1.22	1.62	1.99	2.37
		EERd		11.41	10.97	10.44	9.35	9.24
		Power input	kW	0.11		0.16	0.21	0.26
	D Condition (20°C - 27/19)	Pdc	kW	1.18	1.19	1.29	1.89	
		EERd		15.11	15.09	16.64	12.08	12.03
		Power input	kW	0.08			0.16	

2 Specifications

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Technical specifications				FTXJ20AW9 + RXJ20A	FTXJ25AW9 + RXJ25A	FTXJ35AW9 + RXJ35A	FTXJ42AW9 + RXJ42A	FTXJ50AW9 + RXJ50A
Space cooling - Low sound mode (Stb. 2020, 189)	A Condition (35°C - 27/19)	Pdc	kW	2	2.5	3.4	4.2	5
		EERd		4.7	4.46	4.37	3.99	3.68
		Power input	kW	0.43	0.56	0.78	1.05	1.36
	B Condition (30°C - 27/19)	Pdc	kW	1.48	1.85	2.51	3.1	3.69
		EERd		6.96	6.59	6.27	5.59	5.29
		Power input	kW	0.21	0.28	0.4	0.55	0.7
	C Condition (25°C - 27/19)	Pdc	kW	1.21	1.22	1.62	1.99	2.37
		EERd		11.41	10.97	10.44	9.35	9.24
		Power input	kW	0.11		0.16	0.21	0.26
	D Condition (20°C - 27/19)	Pdc	kW	1.18	1.19	1.29	1.89	
		EERd		15.11	15.09	16.64	12.08	12.03
		Power input	kW	0.08			0.16	
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-10				
	TBivalent	Tbiv (bivalent temperature)	°C	-7				
		Pdh (declared heating cap)	kW	2.13	2.17	2.22	3.37	3.54
		COPd (declared COP)		3.49	3.48	3.54	3.24	3.16
		Power input	kW	0.61	0.62	0.63	1.04	1.12
Space heating (Average climate)	A Condition (-7°C)	Pdh (declared heating cap)	kW	2.13	2.17	2.22	3.37	3.54
		COPd (declared COP)		3.49	3.48	3.54	3.24	3.16
		Power input	kW	0.61	0.62	0.63	1.04	1.12
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.3	1.32	1.35	2.05	2.16
		COPd (declared COP)		5.18	5.17	5.19	4.5	4.52
		Power input	kW	0.25	0.26		0.46	0.48
	C Condition (7°C)	Pdh (declared heating cap)	kW	0.91	0.93	0.95	1.71	1.73
		COPd (declared COP)		6.45	6.48	6.42	6.14	6.13
		Power input	kW	0.14		0.15	0.28	
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.12	1.13	1.15	1.52	1.56
		COPd (declared COP)		8.04	8.03	7.89	7.35	7.25
		Power input	kW	0.14		0.15	0.21	0.22
	E condition (-10°C)	Pdh (declared heating cap)	kW	2.02	2.07	2.11	3.26	3.44
		COPd (declared COP)		3.01	3.04	2.81	2.79	2.78
		Power input	kW	0.67	0.68	0.75	1.17	1.24
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)	°C	-10				
	TBivalent	Tbiv (bivalent temperature)	°C	-7				
		Pdh (declared heating cap)	kW	2.13	2.17	2.22	3.37	3.54
		COPd (declared COP)		3.49	3.48	3.54	3.24	3.16
		Power input	kW	0.61	0.62	0.63	1.04	1.12
	A Condition (-7°C)	Pdh (declared heating cap)	kW	2.13	2.17	2.22	3.37	3.54
		COPd (declared COP)		3.49	3.48	3.54	3.24	3.16
		Power input	kW	0.61	0.62	0.63	1.04	1.12
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.3	1.32	1.35	2.05	2.16
		COPd (declared COP)		5.18	5.17	5.19	4.5	4.52
		Power input	kW	0.25	0.26		0.46	0.48
	C Condition (7°C)	Pdh (declared heating cap)	kW	0.91	0.93	0.95	1.71	1.73
		COPd (declared COP)		6.45	6.48	6.42	6.14	6.13
		Power input	kW	0.14		0.15	0.28	
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.12	1.13	1.15	1.52	1.56
		COPd (declared COP)		8.04	8.03	7.89	7.35	7.25
		Power input	kW	0.14		0.15	0.21	0.22
	E condition (-10°C)	Pdh (declared heating cap)	kW	2.02	2.07	2.11	3.26	3.44
		COPd (declared COP)		3.01	3.04	2.81	2.79	2.78
		Power input	kW	0.67	0.68	0.75	1.17	1.24
Space heating (Warm climate)	TOL	Tol (temperature operating limit)	°C	2				
	TBivalent	Tbiv (bivalent temperature)	°C	2				
Space heating (Warm climate)	TBivalent	Pdh (declared heating cap)	kW	1.3	1.32	1.35	2.05	2.16
		COPd (declared COP)		5.18	5.17	5.19	4.5	4.52
		Power input	kW	0.25	0.26		0.46	0.48
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.3	1.32	1.35	2.05	2.16
		COPd (declared COP)		5.18	5.17	5.19	4.5	4.52
		Power input	kW	0.25	0.26		0.46	0.48
	C Condition (7°C)	Pdh (declared heating cap)	kW	0.91	0.93	0.95	1.71	1.73
		COPd (declared COP)		6.45	6.48	6.42	6.14	6.13
		Power input	kW	0.14		0.15	0.28	
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.12	1.13	1.15	1.52	1.56
		COPd (declared COP)		8.04	8.03	7.89	7.35	7.25
		Power input	kW	0.14		0.15	0.21	0.22
	E condition (2°C)	Pdh (declared heating cap)	kW	1.3	1.32	1.35	2.05	2.16
		COPd (declared COP)		5.18	5.17	5.19	4.5	4.52
		Power input	kW	0.25	0.26		0.46	0.48

2 Specifications

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Technical specifications					FTXJ20AW9 + RXJ20A	FTXJ25AW9 + RXJ25A	FTXJ35AW9 + RXJ35A	FTXJ42AW9 + RXJ42A	FTXJ50AW9 + RXJ50A
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)		°C	2				
	TBivalent	Tbiv (bivalent temperature)		°C	2				
		Pdh (declared heating cap)		kW	1.3	1.32	1.35	2.05	2.16
		COPd (declared COP)			5.18	5.17	5.19	4.5	4.52
		Power input		kW	0.25	0.26		0.46	0.48
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.3	1.32	1.35	2.05	2.16
		COPd (declared COP)			5.18	5.17	5.19	4.5	4.52
		Power input		kW	0.25	0.26		0.46	0.48
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.91	0.93	0.95	1.71	1.73
		COPd (declared COP)			6.45	6.48	6.42	6.14	6.13
		Power input		kW	0.14		0.15	0.28	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.12	1.13	1.15	1.52	1.56
		Power input		kW	0.14		0.15	0.21	0.22
		COPd (declared COP)			8.04	8.03	7.89	7.35	7.25
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	E condition (-10°C)	Pdh (declared heating cap)		kW	2.02	2.07	2.11	3.26	3.44
		COPd (declared COP)			3.01	3.04	2.81	2.79	2.78
		Power input		kW	0.67	0.68	0.75	1.17	1.24
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)				kW	0.25	0.26		0.46	0.48
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				
Power consumption in other than active mode	Thermo-stat-off mode	PTO	Cooling	W	7			12	
			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	62	
	Sound power level indoor	Cooling	Nom.	dBA	57		60		
	Piping length	Cooling	Measuring condition	m	5				

Electrical specifications				FTXJ20AW9 + RXJ20A	FTXJ25AW9 + RXJ25A	FTXJ35AW9 + RXJ35A	FTXJ42AW9 + RXJ42A	FTXJ50AW9 + RXJ50A
Power factor	Nominal	Cooling	%	93.48	93.65	96.89	93.17	93.86
		Heating	%	90.58	93.65	97.83	93.37	90.06
Current	Nominal running current (RLA) - 50Hz	Heating	A	2.4	2.6	4.4	6.1	7
Current - 50Hz	Maximum fuse amps (MFA)		A	10	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				RXJ20A	RXJ25A	RXJ35A	RXJ42A	RXJ50A
Refrigerant	Charge		tCO2Eq	0.52			0.75	
Casing	Colour			Ivory white				
Dimensions	Unit	Height	mm	552			734	
		Width	mm	840			954	
		Depth	mm	350			408	
	Packed unit	Height	mm	612			820	
		Width	mm	906			1,050	
		Depth	mm	402			480	
Weight	Unit		kg	32			49	
	Packed unit		kg	35			53	
Packing	Weight		kg	2			4	

2 Specifications

2 - 1 Specifications

Technical Specifications					RXJ20A	RXJ25A	RXJ35A	RXJ42A	RXJ50A
Heat exchanger	Length			mm	805			920	
	Rows	Quantity			2				
	Fin pitch			mm	1.40				
	Stages	Quantity			24			32	
	Passes	Quantity			3.1			2.2	
	Tube type				ø7 Hi-XD				
	Fin	Type			Waffle fin (PE)				
Fan	Type				Propeller fan				
	Air flow rate	Cooling	Nom.	m^3/min	34.0		36.0	46.6	
				cfm	1,201		1,271	1,645	
		Heating	Nom.	m^3/min	28.3			42.2	
				cfm	999			1,490	
Fan motor	Model				DFC05A3VA			D55F-31	
	Output			W	50			55	
	Speed	Cooling	High	rpm	920			760	
			Nom.	rpm	860		920	760	
			Low	rpm	430			640	
		Heating	High	rpm	860			720	
			Nom.	rpm	800			690	
			Low	rpm	400			500	
Compressor	Model				1YC25GXD#D			2YC40JXD#C	
	Oil Amount			cm^3	375			650	
	Type				Hermetically sealed swing compressor				
	Output			W	800			1,300	
	Oil Type				FW68DA				
Operation range	Cooling	Ambient	Min.	°CDB	-10				
			Max.	°CDB	50				
	Heating	Ambient	Min.	°CWB	-21				
				°CDB	-20				
			Max.	°CWB	18				
				°CDB	24				
Sound power level	Cooling	Max		dBA	60		61	63	
		Nom.		dBA	59		61	62	
		Night quiet mode		dBA	57			58	
		Tonal adjustment		dBA	0				
	Heating	Max		dBA	60		61	63	
		Nom.		dBA	59		61	62	
		Night quiet mode		dBA	57			58	
		Tonal adjustment		dBA	0				
Sound power level - Low sound mode (Stb. 2020, 189)	Cooling	Max.		dBA	59		60		
		Night quiet mode		dBA	55				
		Tonal adjustment		dBA	0				
	Heating	Max.		dBA	59		60		
		Night quiet mode		dBA	55				
		Tonal adjustment		dBA	0				
Sound pressure level	Cooling	Nom.		dBA	46		49	48	
	Heating	Nom.		dBA	47		49	48	49
Refrigerant	Type				R-32				
	Charge			kg	0.76			1.10	
	Charge			tCO2Eq	0.52			0.75	
	Control				Expansion valve				
	GWP				675				
Piping connections	Liquid	OD		mm	6.35				
	Gas	OD		mm	9.5			12.7	
	Drain	OD		mm	16 (inner diameter of connecting hose)				
	Piping length	OU - IU	Max.	m	20			30	
		System	Chargeless	m	10				
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)				
	Level difference	IU - OU	Max.	m	15			20	
	Heat insulation				Both liquid and gas pipes				
Capacity control	Method				Variable (inverter)				

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;

Standard accessories: LOT10 Energy Label;Quantity: 1;

Standard accessories: Drain plug;Quantity: 1;

Standard accessories: Drain cap;Quantity: 3;

2 Specifications

2 - 1 Specifications

Electrical Specifications				RXJ20A	RXJ25A	RXJ35A	RXJ42A	RXJ50A
Power supply	Phase			1~				
	Frequency		Hz	50				
	Voltage		V	220-240				
Wiring connections	For power supply	Quantity		3				
		Remark		Earth wire included				
	For connection with indoor	Quantity		4				
		Remark		Earth wire included				
Current - 50Hz	Maximum fuse amps (MFA)	Maximum fuse amps (MFA)	A	10	13			

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

3 Electrical data

3 - 1 Electrical Data

RXJ-A

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RXJ20A5V1B	FTXJ20A2V1BW	50	220	MAX. 50Hz 264V	8,86	10	30	2,0	0,048	0,32	0,026	0,23
	FTXJ20A2V1BB	50	230					1,9				
	FTXJ20A2V1BS	50	240	MIN. 50Hz 198V				1,8				
RXJ25A5V1B	FTXJ25A2V1BW	50	220	MAX. 50Hz 264V	9,69	13	39	2,5	0,048	0,32	0,027	0,24
	FTXJ25A2V1BB	50	230					2,4				
	FTXJ25A2V1BS	50	240	MIN. 50Hz 198V				2,3				
RXJ35A5V1B	FTXJ35A2V1BW	50	220	MAX. 50Hz 264V	9,7	13	59	3,7	0,048	0,32	0,029	0,25
	FTXJ35A2V1BB	50	230					3,5				
	FTXJ35A2V1BS	50	240	MIN. 50Hz 198V				3,4				
RXJ42A2V1B	FTXJ42A2V1BW	50	220	MAX. 50Hz 264V	11,22	13	52	5,1	0,056	0,37	0,044	0,33
	FTXJ42A2V1BB	50	230					4,9				
	FTXJ42A2V1BS	50	240	MIN. 50Hz 198V				4,7				
RXJ50A2V1B	FTXJ50A2V1BW	50	220	MAX. 50Hz 264V	11,24	16	66	6,6	0,056	0,37	0,047	0,35
	FTXJ50A2V1BB	50	230					6,3				
	FTXJ50A2V1BS	50	240	MIN. 50Hz 198V				6,0				
RXJ20A5V1B9	FTXJ20A2V1BW9	50	220	MAX. 50Hz 264V	8,86	10	30	2,0	0,048	0,32	0,026	0,23
	FTXJ20A2V1BB9	50	230					1,9				
	FTXJ20A2V1BS9	50	240	MIN. 50Hz 198V				1,8				
RXJ25A5V1B9	FTXJ25A2V1BW9	50	220	MAX. 50Hz 264V	9,69	13	39	2,5	0,048	0,32	0,027	0,24
	FTXJ25A2V1BB9	50	230					2,4				
	FTXJ25A2V1BS9	50	240	MIN. 50Hz 198V				2,3				
RXJ35A5V1B9	FTXJ35A2V1BW9	50	220	MAX. 50Hz 264V	9,7	13	59	3,7	0,048	0,32	0,029	0,25
	FTXJ35A2V1BB9	50	230					3,5				
	FTXJ35A2V1BS9	50	240	MIN. 50Hz 198V				3,4				
RXJ42A5V1B9	FTXJ42A2V1BW9	50	220	MAX. 50Hz 264V	12,27	13	52	5,1	0,066	0,83	0,044	0,33
	FTXJ42A2V1BB9	50	230					4,9				
	FTXJ42A2V1BS9	50	240	MIN. 50Hz 198V				4,7				
RXJ50A5V1B9	FTXJ50A2V1BW9	50	220	MAX. 50Hz 264V	12,29	13	66	6,6	0,066	0,83	0,047	0,35
	FTXJ50A2V1BB9	50	230					6,3				
	FTXJ50A2V1BS9	50	240	MIN. 50Hz 198V				6,0				

Symbols

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

Notes

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

4D139507A

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXJ20AB(9) / RXJ20A
FTXJ20AS(9) / RXJ20A
FTXJ20AW(9) / RXJ20A

Cooling ·50Hz 220 -240V·

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	2,05	1,83	0,33	1,96	1,84	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	1,71	0,33	2,05	1,70	0,36	1,95	1,71	0,39	1,92	1,71	0,40	1,86	1,73	0,42	1,77	1,77	0,45
18	25	2,23	1,88	0,33	2,14	1,90	0,36	2,05	1,94	0,39	2,01	1,96	0,41	1,95	1,95	0,42	1,86	1,86	0,46
19	27	2,28	2,19	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	1,89	0,33	2,32	1,92	0,37	2,23	1,97	0,40	2,19	2,00	0,41	2,14	2,05	0,43	2,05	2,05	0,46
24	32	2,51	1,72	0,34	2,42	1,74	0,37	2,32	1,77	0,40	2,29	1,78	0,41	2,23	1,82	0,43	2,14	1,89	0,46

Heating ·50Hz 220 -240V·

AFR	11,1

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	1,19	0,32	1,43	0,34	1,67	0,36	1,94	0,46	2,59	0,49	2,81	0,51
20	1,12	0,33	1,36	0,35	1,60	0,37	1,86	0,47	2,50	0,50	2,73	0,52
22	1,09	0,34	1,33	0,36	1,57	0,37	1,83	0,48	2,47	0,50	2,69	0,52
24	1,06	0,34	1,30	0,36	1,54	0,38	1,80	0,48	2,43	0,51	2,66	0,53
25	1,04	0,34	1,28	0,36	1,52	0,38	1,78	0,49	2,41	0,51	2,64	0,53
27	1,01	0,35	1,25	0,37	1,49	0,38	1,76	0,49	2,38	0,52	2,61	0,54

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

Indoor air temperature	Outdoor temperature [°C WB]													
	-20		-15		-10		-5		0		6		10	
[°C DB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20	1,50	0,63	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 ·EN14511·.

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]

Notes

1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. Nominal capacity and nominal input
3. 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).
4. In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
5. The capacities are based on the following conditions:
   Corresponding refrigerant piping length: ·5· m
   Level difference: ·0·m
6. The air flow rate and bypass factor are mentioned in the table.

4D139745A

FTXJ25AB(9) / RXJ25A
FTXJ25AS(9) / RXJ25A
FTXJ25AW(9) / RXJ25A

Cooling ·50Hz 220 -240V·

AFR	11,4
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	2,56	2,14	0,43	2,44	2,13	0,47	2,33	2,13	0,51	2,28	2,13	0,53	2,21	2,14	0,55	2,10	2,10	0,60
16	22	2,68	2,02	0,43	2,56	1,99	0,47	2,44	1,98	0,52	2,40	1,98	0,53	2,33	1,98	0,56	2,21	1,99	0,60
18	25	2,79	2,18	0,43	2,68	2,18	0,48	2,56	2,19	0,52	2,51	2,20	0,53	2,44	2,22	0,56	2,33	2,33	0,60
19	27	2,85	2,46	0,44	2,73	2,50	0,48	2,62	2,62	0,52	2,57	2,57	0,54	2,50	2,50	0,56	2,38	2,38	0,60
22	30	3,02	2,16	0,44	2,91	2,17	0,48	2,79	2,20	0,52	2,74	2,21	0,54	2,67	2,24	0,56	2,56	2,31	0,61
24	32	3,14	1,99	0,44	3,02	1,99	0,48	2,90	2,00	0,53	2,86	2,01	0,54	2,79	2,02	0,57	2,67	2,07	0,61

Heating ·50Hz 220 -240V·

AFR	11,3

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	1,33	0,36	1,60	0,38	1,87	0,40	2,09	0,52	2,90	0,55	3,15	0,57
20	1,25	0,37	1,52	0,39	1,79	0,41	1,98	0,53	2,80	0,56	3,05	0,58
22	1,22	0,37	1,49	0,40	1,76	0,42	1,95	0,53	2,76	0,57	3,01	0,59
24	1,19	0,38	1,45	0,40	1,72	0,42	1,92	0,54	2,72	0,57	2,98	0,59
25	1,17	0,38	1,44	0,40	1,71	0,42	1,90	0,54	2,70	0,57	2,96	0,59
27	1,14	0,39	1,41	0,41	1,67	0,42	1,88	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]											
	-20		-15		-10		-5		0		6		10	
[°C DB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20	1,50	0,63	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 ·EN14511·.

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]

Notes

1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. Nominal capacity and nominal input
3. 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).
4. In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
5. The capacities are based on the following conditions:
   Corresponding refrigerant piping length: ·5· m
   Level difference: ·0·m
6. The air flow rate and bypass factor are mentioned in the table.

4D139748A

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXJ35AB(9) / RXJ35A
FTXJ35AS(9) / RXJ35A
FTXJ35AW(9) / RXJ35A

AFR	11,8
BF	0,12

Cooling ·50Hz 220 -240V·

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	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	2,55	0,77	2,85	2,54	0,83
16	22	3,64	2,53	0,60	3,48	2,48	0,66	3,32	2,43	0,72	3,26	2,42	0,74	3,17	2,40	0,77	3,01	2,37	0,83
18	25	3,80	2,67	0,60	3,64	2,63	0,66	3,48	2,61	0,72	3,42	2,60	0,74	3,32	2,59	0,78	3,16	2,60	0,83
19	27	3,87	2,91	0,61	3,72	2,90	0,66	3,56	2,90	0,72	3,49	2,91	0,74	3,40	2,93	0,78	3,24	2,98	0,84
22	30	4,11	2,62	0,61	3,95	2,59	0,67	3,79	2,58	0,73	3,73	2,57	0,75	3,63	2,57	0,78	3,48	2,59	0,84
24	32	4,27	2,45	0,61	4,11	2,41	0,67	3,95	2,39	0,73	3,89	2,38	0,75	3,79	2,38	0,79	3,63	2,37	0,84

Heating ·50Hz 220 -240V·

AFR	11,7

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	2,31	0,75	2,74	0,79	3,13	0,84	3,35	0,88	4,21	0,94	4,47	0,96
20	2,10	0,80	2,53	0,85	2,96	0,89	3,16	0,93	4,00	0,99	4,26	1,02
22	2,02	0,82	2,45	0,87	2,88	0,91	3,08	0,95	3,92	1,01	4,18	1,04
24	1,93	0,84	2,36	0,89	2,80	0,93	3,01	0,97	3,83	1,02	4,09	1,06
25	1,89	0,86	2,32	0,90	2,75	0,94	2,97	0,98	3,79	1,02	4,05	1,07
27	1,81	0,88	2,24	0,92	2,67	0,96	2,90	1,00	3,71	1,03	3,97	1,09

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

Indoor air temperature	Outdoor temperature [°C WB]													
	-20		-15		-10		-5		0		6		10	
[°C DB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20	1,50	0,63	2,68	1,06	3,28	1,15	3,42	1,24	3,70	1,25	5,20	1,44	5,45	1,50

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

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]

Notes

1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. Nominal capacity and nominal input
3. 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).
4. In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
5. The capacities are based on the following conditions:
   Corresponding refrigerant piping length: ·5· m
   Level difference: ·0·m
6. The air flow rate and bypass factor are mentioned in the table.

4D139749A

FTXJ42AB(9) / RXJ42A
FTXJ42AS(9) / RXJ42A
FTXJ42AW(9) / RXJ42A

AFR	13,0
BF	0,19

Cooling ·50Hz 220 -240V·

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	4,11	3,13	0,81	4,11	3,05	0,89	3,91	2,98	0,96	3,83	2,96	0,99	3,72	2,92	1,04	3,52	2,87	1,12
16	22	4,50	3,00	0,81	4,30	2,92	0,89	4,11	2,84	0,97	4,03	2,81	1,00	3,91	2,78	1,05	3,71	2,72	1,12
18	25	4,69	3,12	0,82	4,49	3,06	0,89	4,30	3,00	0,97	4,22	2,98	1,00	4,10	2,95	1,05	3,91	2,92	1,13
19	27	4,79	3,33	0,82	4,59	3,29	0,90	4,40	3,26	0,97	4,32	3,25	1,01	4,20	3,24	1,05	4,00	3,24	1,13
22	30	5,08	3,05	0,83	4,88	2,99	0,90	4,69	2,95	0,98	4,61	2,93	1,01	4,49	2,91	1,06	4,29	2,88	1,14
24	32	5,27	2,87	0,83	5,07	2,81	0,91	4,88	2,76	0,99	4,80	2,74	1,02	4,68	2,72	1,06	4,49	2,68	1,14

Heating ·50Hz 220 -240V·

AFR	14,4

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	2,66	0,79	3,33	0,89	4,00	1,00	3,87	1,11	5,61	1,26	6,01	1,32
20	2,45	0,84	3,12	0,95	3,79	1,05	3,70	1,16	5,40	1,31	5,80	1,38
22	2,36	0,86	3,03	0,97	3,70	1,07	3,63	1,18	5,32	1,33	5,72	1,40
24	2,28	0,88	2,95	0,99	3,62	1,09	3,56	1,20	5,23	1,35	5,63	1,42
25	2,24	0,89	2,91	1,00	3,58	1,10	3,52	1,21	5,19	1,35	5,59	1,43
27	2,15	0,91	2,82	1,02	3,49	1,13	3,45	1,23	5,11	1,36	5,51	1,45

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

Indoor air temperature	Outdoor temperature [°C WB]													
	-20		-15		-10		-5		0		6		10	
[°C DB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20	2,64	1,14	3,85	1,41	4,36	1,45	4,29	1,49	4,73	1,53	6,00	1,58	6,41	1,62

Heating peak capacity at maximum operating frequency

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]

Notes

1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. Nominal capacity and nominal input
3. 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).
4. In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
5. The capacities are based on the following conditions:
   Corresponding refrigerant piping length: ·5· m
   Level difference: ·0·m
6. The air flow rate and bypass factor are mentioned in the table.

4D139750B

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXJ50AB(9) / RXJ50A
FTXJ50AS(9) / RXJ50A
FTXJ50AW(9) / RXJ50A

Cooling -50Hz 220 -240V-

AFR	13,5
BF	0,23

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	4,25	3,12	0,92	4,25	3,12	1,04	4,25	3,12	1,18	4,25	3,12	1,23	4,25	3,12	1,31	4,19	3,09	1,44
16	22	5,35	3,41	1,05	5,12	3,29	1,15	4,89	3,18	1,25	4,79	3,13	1,29	4,65	3,07	1,35	4,42	2,97	1,45
18	25	5,58	3,50	1,05	5,35	3,39	1,15	5,12	3,29	1,26	5,02	3,26	1,30	4,88	3,20	1,36	4,65	3,12	1,46
19	27	5,70	3,66	1,06	5,47	3,57	1,16	5,23	3,48	1,26	5,14	3,45	1,30	5,00	3,41	1,36	4,77	3,35	1,46
22	30	6,04	3,40	1,07	5,81	3,31	1,17	5,58	3,22	1,27	5,49	3,19	1,31	5,35	3,14	1,37	5,11	3,07	1,47
24	32	6,27	3,24	1,07	6,04	3,14	1,17	5,81	3,06	1,27	5,72	3,02	1,31	5,58	2,97	1,37	5,34	2,90	1,47

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	2,76	0,93	3,32	0,98	3,88	1,03	4,03	1,35	6,00	1,42	6,52	1,47
20	2,59	0,96	3,15	1,01	3,71	1,05	3,88	1,38	5,80	1,45	6,32	1,50
22	2,52	0,97	3,08	1,02	3,64	1,07	3,81	1,39	5,72	1,46	6,24	1,51
24	2,46	0,98	3,01	1,03	3,57	1,08	3,75	1,40	5,64	1,48	6,16	1,52
25	2,42	0,99	2,98	1,03	3,54	1,08	3,68	1,41	5,60	1,48	6,12	1,53
27	2,35	1,00	2,91	1,04	3,47	1,09	3,62	1,42	5,52	1,50	6,04	1,54

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

Indoor air temperature	Outdoor temperature [°C WB]													
	-20		-15		-10		-5		0		6		10	
[°C DB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20	2,64	1,14	4,17	1,64	4,73	1,69	4,65	1,74	5,13	1,80	6,50	1,86	6,94	1,90

Heating peak capacity at maximum operating frequency

Symbols

AFR Air flow rate [m^3/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]

Notes

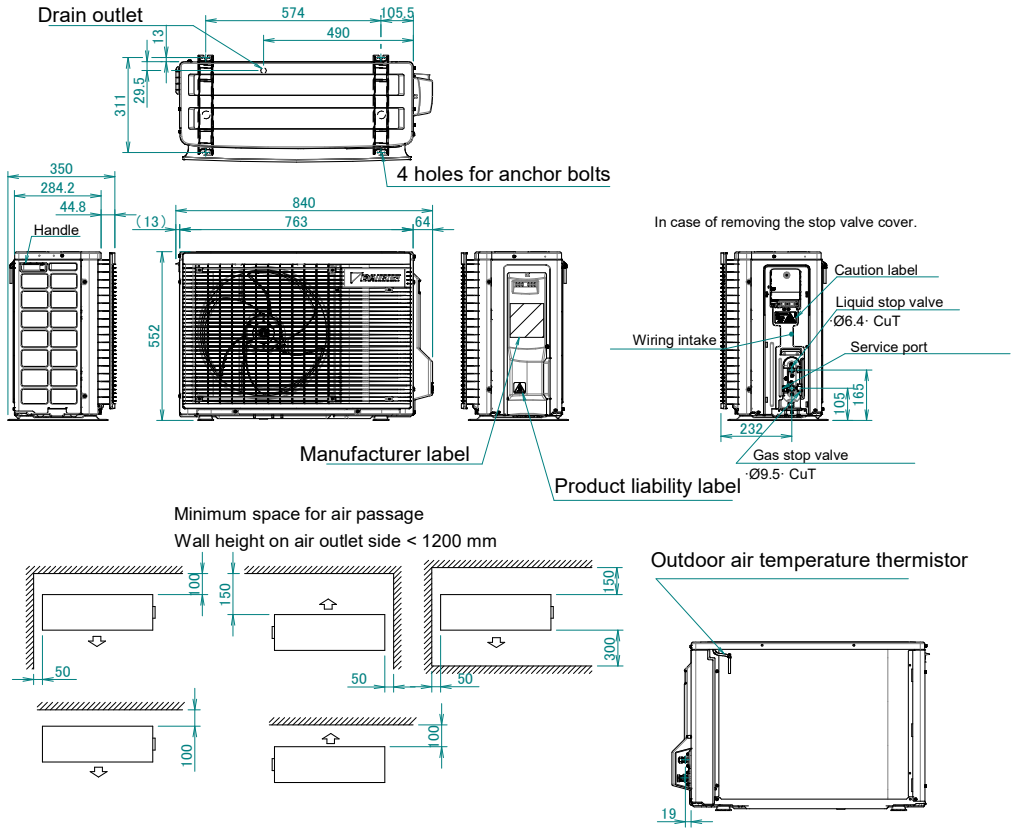
1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. ☐ Nominal capacity and nominal input
3. The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used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

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5 Dimensional drawings

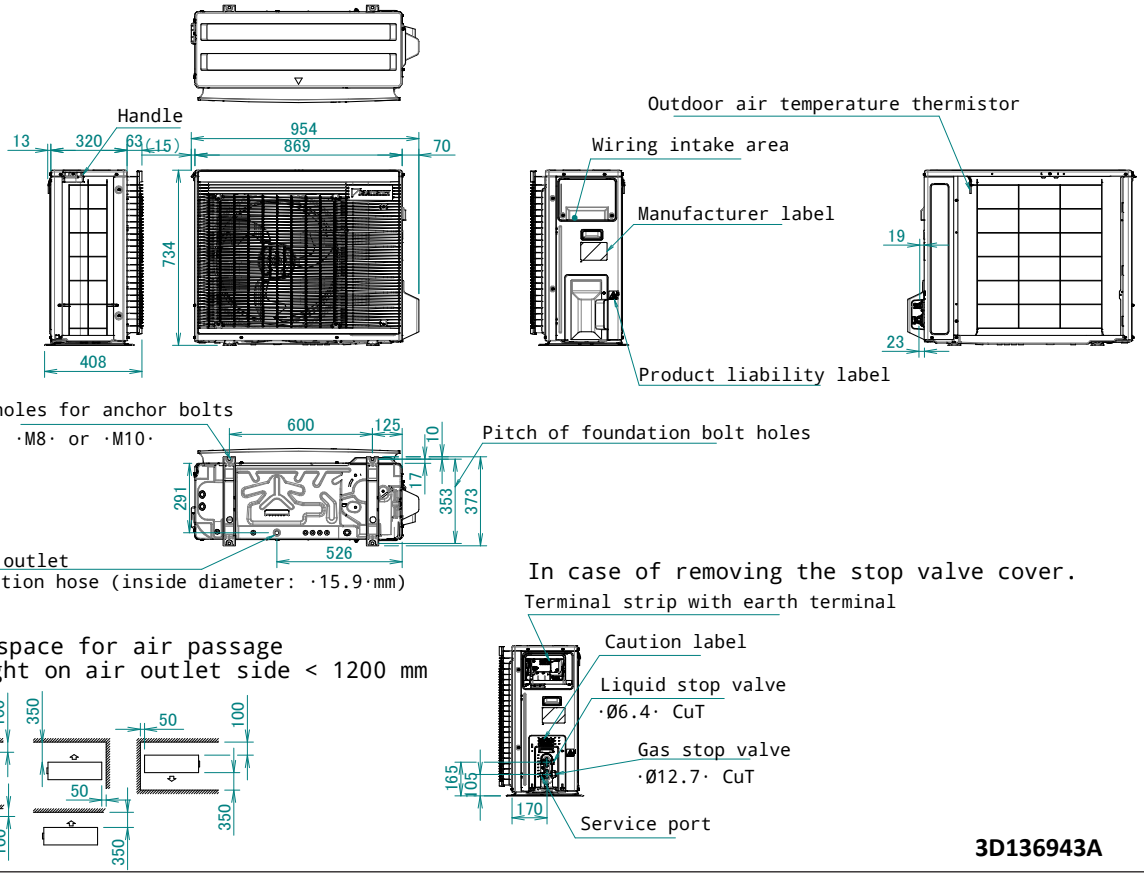
5 - 1 Dimensional Drawings

RXJ20-35A



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RXJ42-50A

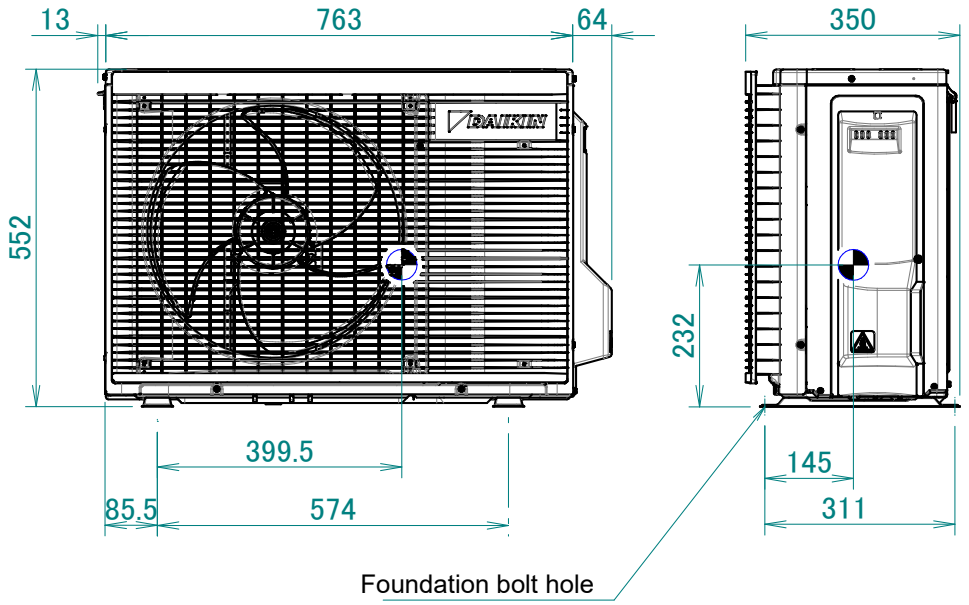


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6 Centre of gravity

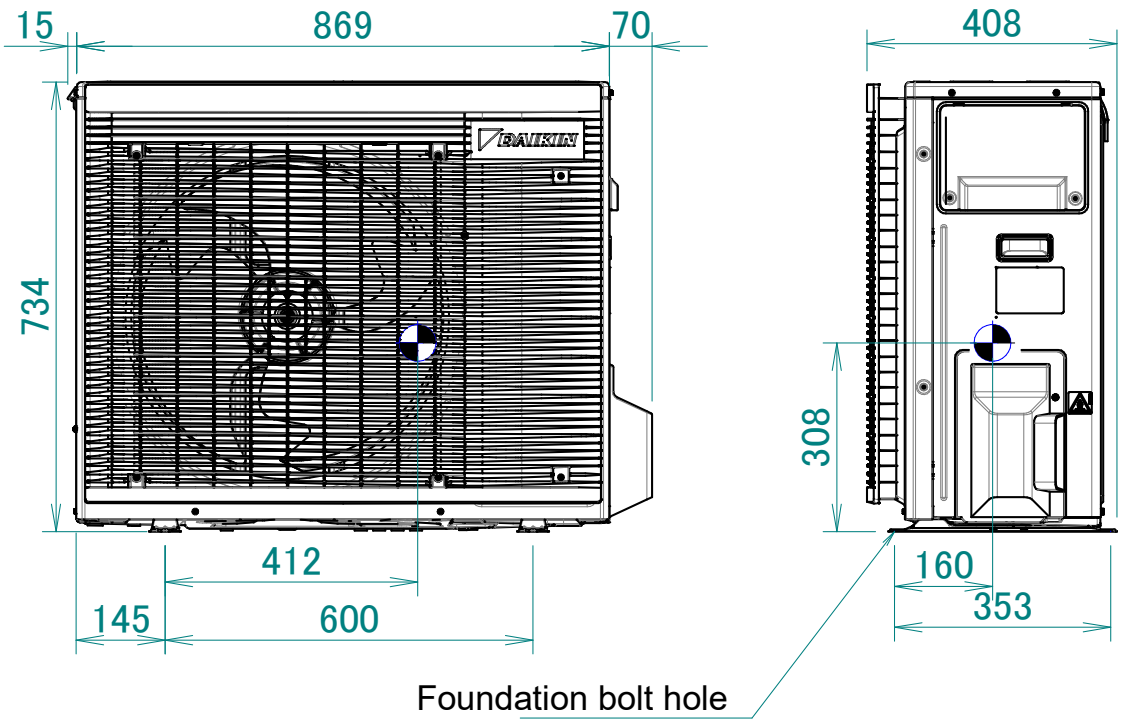
6 - 1 Centre of Gravity

RXJ20-35A



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RXJ42-50A

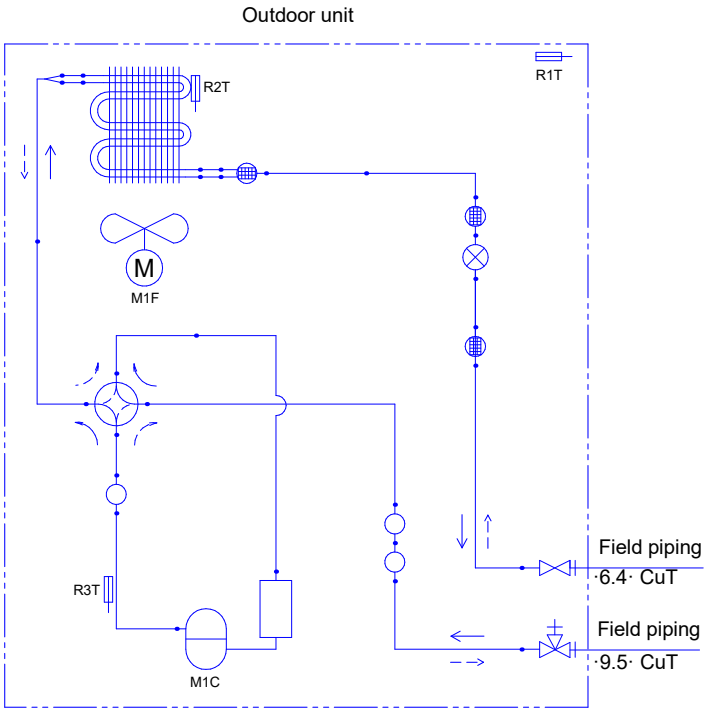


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7 Piping diagrams

7 - 1 Piping Diagrams

RXJ20-35A

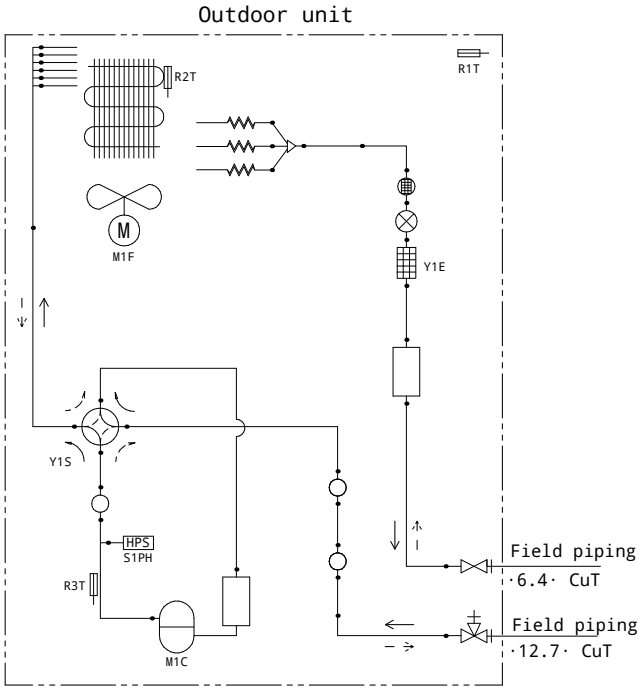


Legend
- Liquid stop valve
- Gas stop valve
- Muffler
- Muffler with filter
- Electronic expansion valve
- Filter
- Propeller fan
- Thermistor
- 4-way valve
- Accumulator
- Compressor
- Heat exchanger

Refrigerant flow
- Cooling
- Heating

3D091995D

RXJ42-50A



Legend
- Liquid stop valve
- Gas stop valve
- Muffler
- Muffler with filter
- Electronic expansion valve
- Filter
- Propeller fan
- High pressure switch Automatic reset
- Thermistor
- Capillary tube
- 4-way valve
- Accumulator
- Compressor
- Heat exchanger
- Distributor

Refrigerant flow
- Cooling
- Heating

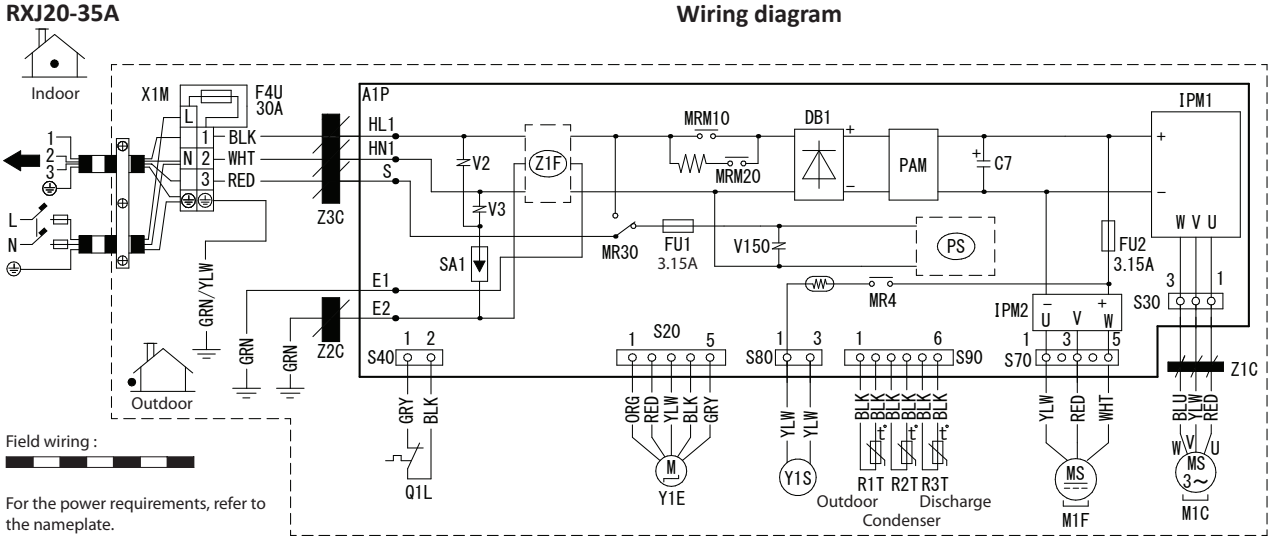
3D128943A

8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

RXJ20-35A

Wiring diagram



Field wiring :

For the power requirements, refer to the nameplate.

Wire colors

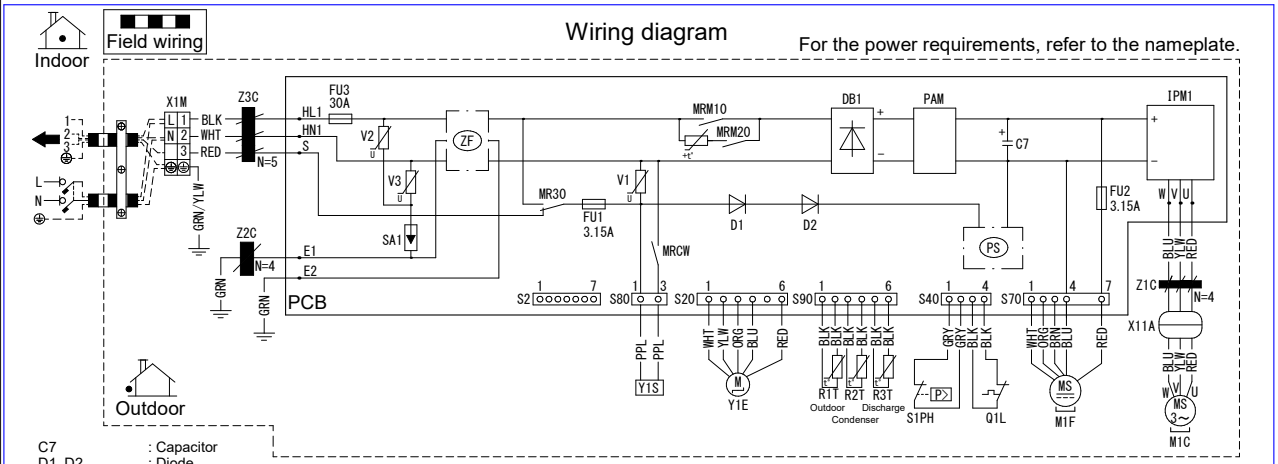
BLK	: Black
WHT	: White
BRN	: Brown
RED	: Red
GRN	: Green
YLW	: Yellow
ORG	: Orange
BLU	: Blue
GRU	: Grey

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 arrester
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	Connector
V2, V3, V150	Varistor
Z1C, Z2C, Z3C	Ferrite core
Z1F	Noise filter
⏚	Protective earth
⏚	Earth

4D138379

RXJ42-50A



C7	: Capacitor	Q1L	: Overload protector	BLK	: Black
D1, D2	: Diode	R1T, R2T, R3T	: Thermistor	BLU	: Blue
DB1	: Diode bridge	S1PH	: High pressure switch	BRN	: Brown
E1, E2, HL1, HN1,S, U, V, W	: Connection	S2, S20, S40, S70, S80, S90	: Terminal connector	GRN	: Green
FU1, FU2, FU3	: Fuse	SA1	: Surge arrestor	GRY	: Grey
IPM1	: Intelligent power module	V1, V2, V3	: Varistor	ORG	: Orange
L	: Live	X11A	: Connector	RED	: Red
M1C	: Compressor motor	X1M	: Terminal strip	WHT	: White
M1F	: Fan motor	Y1E	: Electronic expansion valve coil	YLW	: Yellow
MR30, MRCW, MRM10, MRM20	: Magnetic relay	Y1S	: Reversing solenoid valve coil	PPL	: Purple
N	: Neutral	Z1C, Z2C, Z3C	: Ferrite core		
N=4, N=5	: Number of passes	ZF	: Noise filter		
PAM	: Pulse-amplitude modulation	⏚	: Earth		
PCB	: Printed circuit board	⏚	: Protective earth		
PS	: Switching power supply				

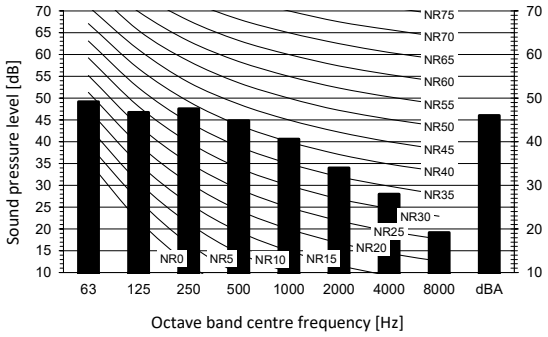
3D130905A

9 Sound data

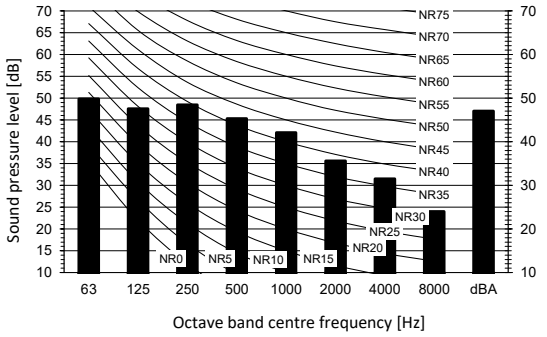
9 - 1 Sound Pressure Spectrum

RXJ20A

Cooling mode



Heating mode



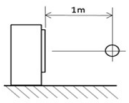
Legend

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

A Scale

B ■ Fan speed: High

Location of microphone



Cooling Total dB

A	B
dBA	46

Heating Total dB

A	B
dBA	47

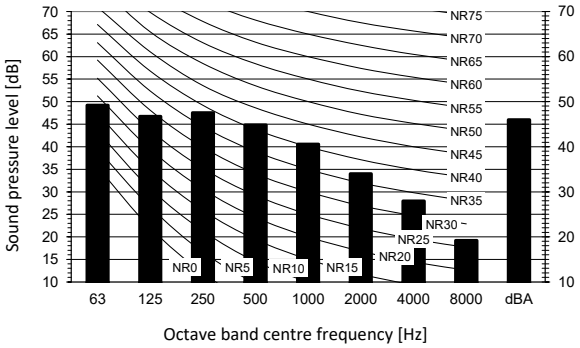
Notes

1. 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

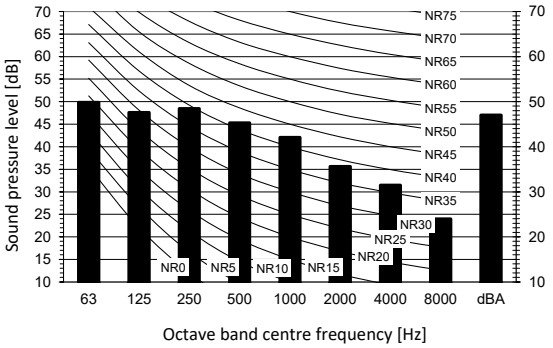
4D139647

RXJ25A

Cooling mode



Heating mode



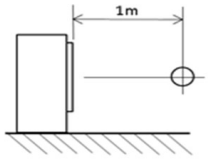
Legend

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

A Scale

B ■ Fan speed: High

Location of microphone



Cooling Total dB

A	B
dBA	46

Heating Total dB

A	B
dBA	47

Notes

1. 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

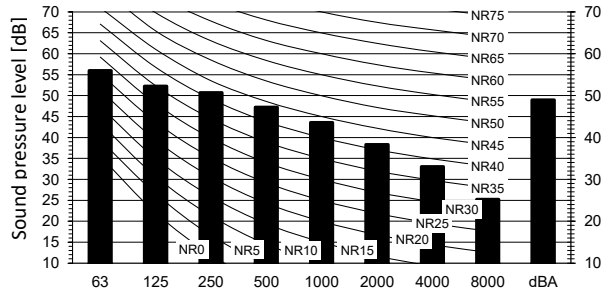
4D139649

9 Sound data

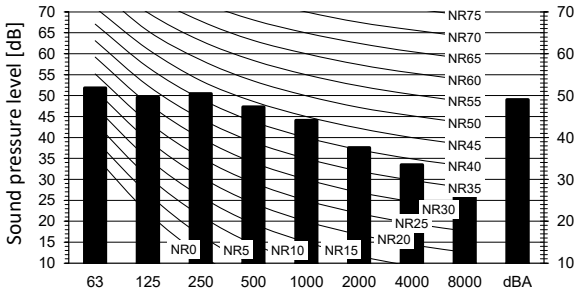
9 - 1 Sound Pressure Spectrum

RXJ35A

Cooling mode



Heating mode



Legend

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

A Scale

B ■ Fan speed: High

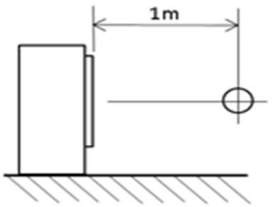
Cooling Total dB

A	B
dBA	49

Heating Total dB

A	B
dBA	49

Location of microphone



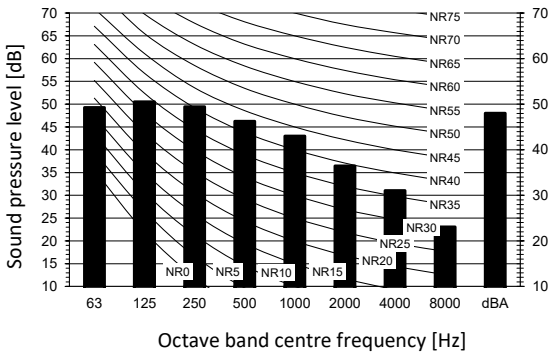
Notes

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

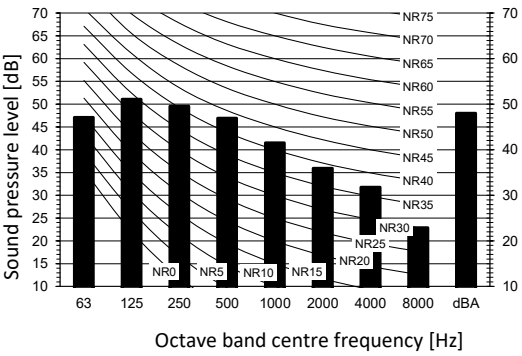
4D139651

RXJ42A

Cooling mode



Heating mode



Legend

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

A Scale

B ■ Fan speed: High

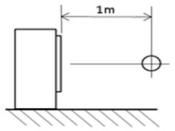
Cooling Total dB

A	B
dBA	48

Heating Total dB

A	B
dBA	48

Location of microphone



Notes

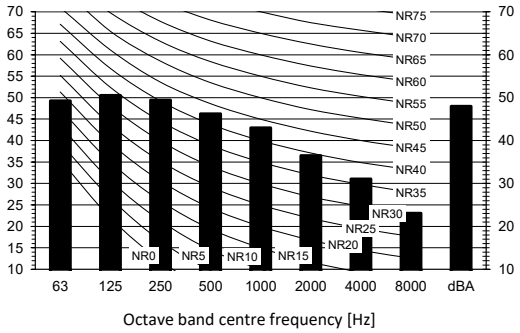
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic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

4D139653

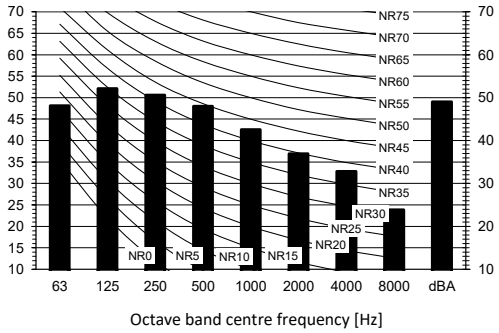
9 Sound data

9 - 1 Sound Pressure Spectrum

Cooling mode



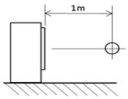
Octave band centre frequency [Hz]



Octave band centre frequency [Hz]

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

■



A	B
dBA	48

A	B
dBA	49

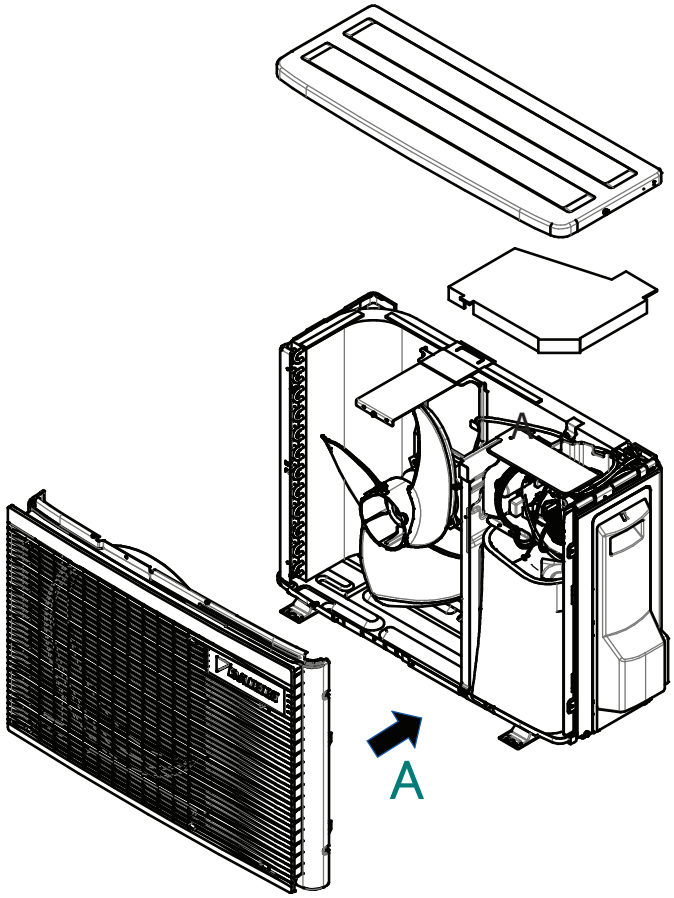
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic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

4D139655

10 Installation

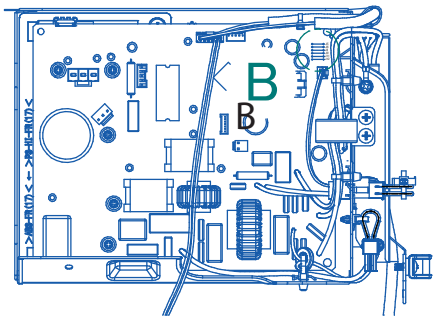
10 - 1 Installation Method

RXJ20-35A

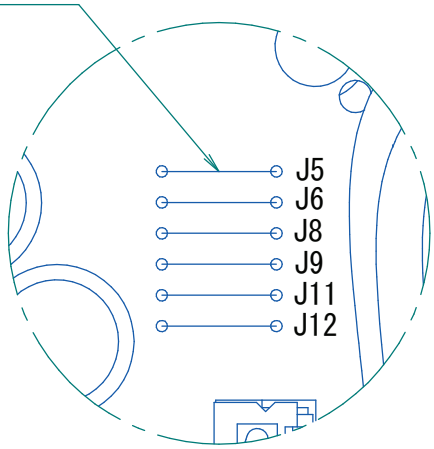


Disassembly of unit

Cut jumper J5 with pliers
(Cut parts shall not touch each other)
(Do not damage other jumpers)



Arrow view A
El. Compo. Assy



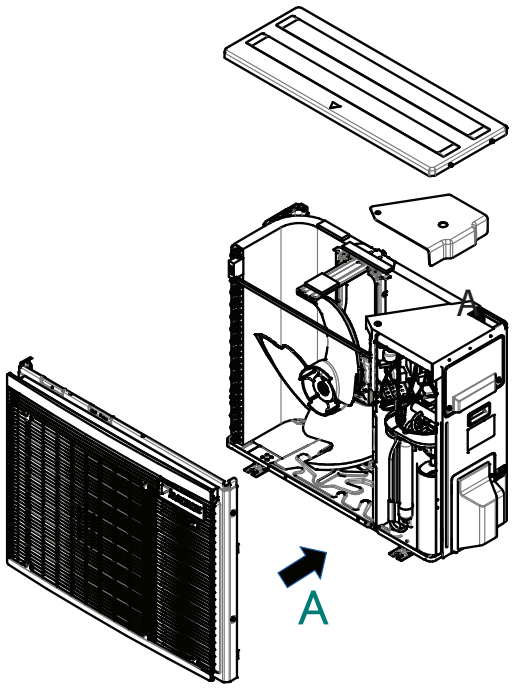
Detail B

4D139785

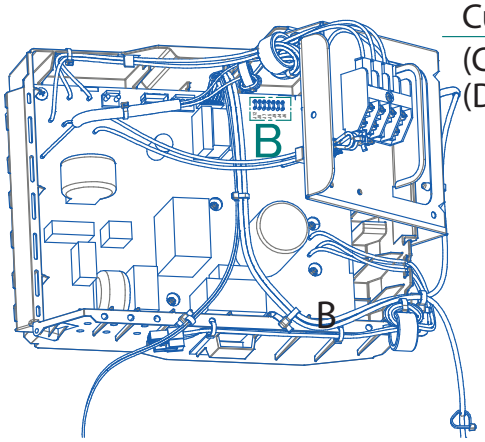
10 Installation

10 - 1 Installation Method

RXJ42-50A

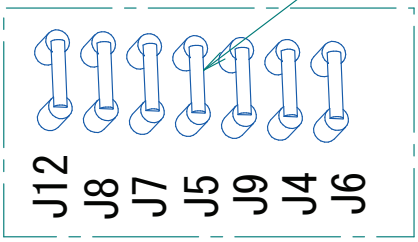


Disassembly of unit



Arrow view A
El. Compo. Assy

Cut jumper J5 with pliers
(Cut parts shall not touch each other)
(Do not damage other jumpers)



Detail B

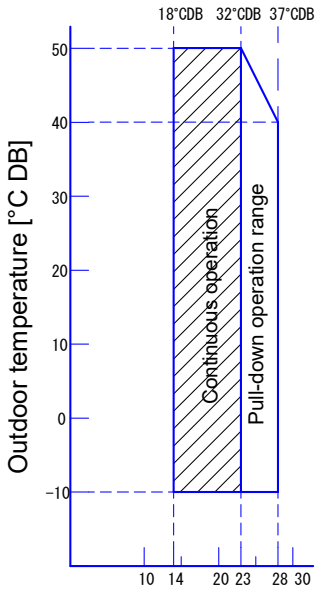
4D139857

11 Operation range

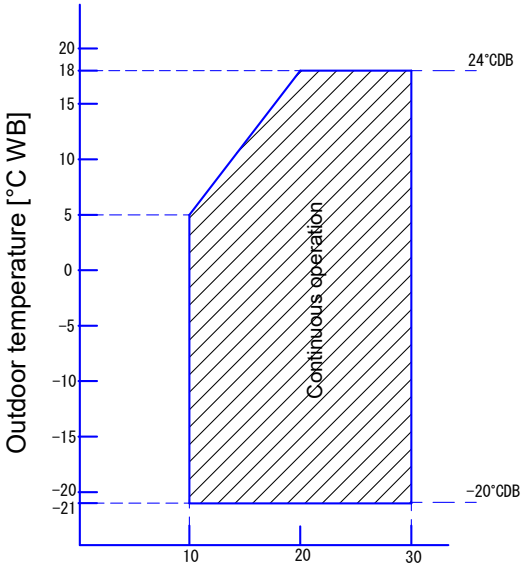
11 - 1 Operation Range

RXJ-A

Cooling

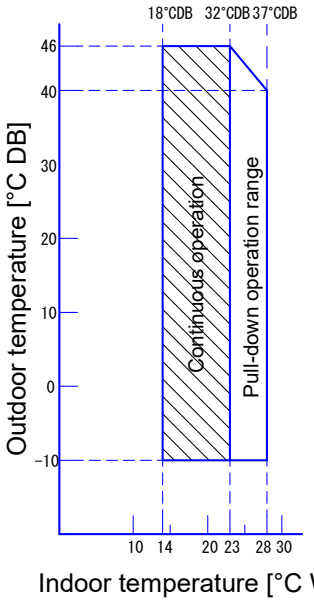


Heating

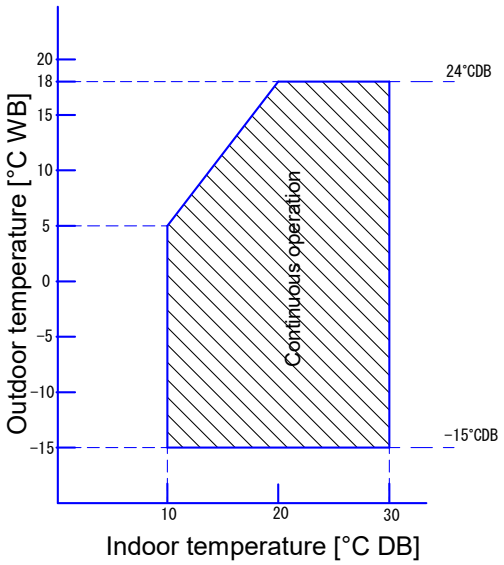


Only possible in combination with ·FTXJ20A2V1BW, FTXJ20A2V1BB, FTXJ20A2V1BS, FTXJ25A2V1BW, FTXJ25A2V1BB, FTXJ25A2V1BS, FTXJ35A2V1BW, FTXJ35A2V1BB, FTXJ35A2V1BS, FTXJ42A2V1BW, FTXJ42A2V1BB, FTXJ42A2V1BS, FTXJ50A2V1BW, FTXJ50A2V1BB, FTXJ50A2V1BS·

Cooling



Heating



Only possible in combination with ·FTXJ20MV1BW, FTXJ20MV1BS, FTXJ25MV1BW, FTXJ25MV1BS, FTXJ35MV1BW, FTXJ35MV1BS, FTXJ50MV1BW, FTXJ50MV1BS·

Notes

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

3D139548

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EEDEN25 06/2025

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