Design outdoor unit Air Conditioning Technical Data

RXJ-A9



EEDEN25

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RXJ-A9

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1 Features

1 - 1 RXJ-A9

› New design outlook for outdoor unit
› 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
› Seasonal efficiency values up to A+++ in cooling and heating



-20°
Guaranteed operation down to -20°C

INVERTER
Inverter

Swing compressor

Outdoor unit silent operation

2 Specifications

2 - 1 Specifications

Technical specifications				FTXJ20AW + RXJ20A9	FTXJ25AW + RXJ25A9	FTXJ35AW + RXJ35A9	FTXJ42AW + RXJ42A9	FTXJ50AW + RXJ50A9
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 - kW	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
	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

2 Specifications

2 - 1 Specifications

Technical specifications				FTXJ20AW + RXJ20A9	FTXJ25AW + RXJ25A9	FTXJ35AW + RXJ35A9	FTXJ42AW + RXJ42A9	FTXJ50AW + RXJ50A9
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
	SCOPnet			6.47	6.48	6.4	5.9	5.88
	Annual energy consumption		kWh/a	291	295	305	496	524
Space heating (Warm climate)	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
	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
Space heating (Average climate)	A Condition (-7°C)	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

2 - 1 Specifications

Technical specifications					FTXJ20AW + RXJ20A9	FTXJ25AW + RXJ25A9	FTXJ35AW + RXJ35A9	FTXJ42AW + RXJ42A9	FTXJ50AW + RXJ50A9
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				
		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
Space heating (Warm climate)	TBivalent	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				
	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

2 - 1 Specifications

Technical specifications					FTXJ20AW + RXJ20A9	FTXJ25AW + RXJ25A9	FTXJ35AW + RXJ35A9	FTXJ42AW + RXJ42A9	FTXJ50AW + RXJ50A9
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				FTXJ20AW + RXJ20A9	FTXJ25AW + RXJ25A9	FTXJ35AW + RXJ35A9	FTXJ42AW + RXJ42A9	FTXJ50AW + RXJ50A9
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: 7°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				FTXJ20AB + RXJ20A9	FTXJ25AB + RXJ25A9	FTXJ35AB + RXJ35A9	FTXJ42AB + RXJ42A9	FTXJ50AB + RXJ50A9
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 - kW	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
	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				

2 Specifications

2 - 1 Specifications

Technical specifications				FTXJ20AB + RXJ20A9	FTXJ25AB + RXJ25A9	FTXJ35AB + RXJ35A9	FTXJ42AB + RXJ42A9	FTXJ50AB + RXJ50A9
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
	SCOPnet			6.47	6.48	6.4	5.9	5.88
	Annual energy consumption		kWh/a	291	295	305	496	524
Space heating (Warm climate)	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
	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

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Technical specifications				FTXJ20AB + RXJ20A9	FTXJ25AB + RXJ25A9	FTXJ35AB + RXJ35A9	FTXJ42AB + RXJ42A9	FTXJ50AB + RXJ50A9
Space heating (Average climate)	A Condition (-7°C)	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				
		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
Space heating (Warm climate)	TBivalent	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

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Technical specifications					FTXJ20AB + RXJ20A9	FTXJ25AB + RXJ25A9	FTXJ35AB + RXJ35A9	FTXJ42AB + RXJ42A9	FTXJ50AB + RXJ50A9
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0				
	Off mode	POFF		W	1				
	Standby mode	Cooling	PSB	W	1				
		Heating	PSB	W	1				
	Thermo-stat-off mode	PTO	Cooling	W	7			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				FTXJ20AB + RXJ20A9	FTXJ25AB + RXJ25A9	FTXJ35AB + RXJ35A9	FTXJ42AB + RXJ42A9	FTXJ50AB + RXJ50A9
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			FTXJ20AS + RXJ20A9	FTXJ25AS + RXJ25A9	FTXJ35AS + RXJ35A9	FTXJ42AS + RXJ42A9	FTXJ50AS + RXJ50A9
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				FTXJ20AS + RXJ20A9	FTXJ25AS + RXJ25A9	FTXJ35AS + RXJ35A9	FTXJ42AS + RXJ42A9	FTXJ50AS + RXJ50A9
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 - kW	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
	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
	SCOPnet			6.47	6.48	6.4	5.9	5.88
	Annual energy consumption		kWh/a	291	295	305	496	524
Space heating (Warm climate)	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	

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Technical specifications				FTXJ20AS + RXJ20A9	FTXJ25AS + RXJ25A9	FTXJ35AS + RXJ35A9	FTXJ42AS + RXJ42A9	FTXJ50AS + RXJ50A9
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
	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
Space heating (Average climate)	A Condition (-7°C)	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				
		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
Space heating (Warm climate)	TBivalent	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

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Technical specifications					FTXJ20AS + RXJ20A9	FTXJ25AS + RXJ25A9	FTXJ35AS + RXJ35A9	FTXJ42AS + RXJ42A9	FTXJ50AS + RXJ50A9
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				
	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				FTXJ20AS + RXJ20A9	FTXJ25AS + RXJ25A9	FTXJ35AS + RXJ35A9	FTXJ42AS + RXJ42A9	FTXJ50AS + RXJ50A9
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			FTXJ20AB9 + RXJ20A9	FTXJ25AB9 + RXJ25A9	FTXJ35AB9 + RXJ35A9	FTXJ42AB9 + RXJ42A9	FTXJ50AB9 + RXJ50A9
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

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Technical specifications				FTXJ20AB9 + RXJ20A9	FTXJ25AB9 + RXJ25A9	FTXJ35AB9 + RXJ35A9	FTXJ42AB9 + RXJ42A9	FTXJ50AB9 + RXJ50A9
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
	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
	SCOPnet			6.47	6.48	6.4	5.9	5.88
	Annual energy consumption		kWh/a	291	295	305	496	524
Space heating (Warm climate)	Required back up heating cap at design conditions		kW	0				

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Technical specifications				FTXJ20AB9 + RXJ20A9	FTXJ25AB9 + RXJ25A9	FTXJ35AB9 + RXJ35A9	FTXJ42AB9 + RXJ42A9	FTXJ50AB9 + RXJ50A9
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
	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
Space heating (Average climate)	A Condition (-7°C)	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
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	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

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Technical specifications					FTXJ20AB9 + RXJ20A9	FTXJ25AB9 + RXJ25A9	FTXJ35AB9 + RXJ35A9	FTXJ42AB9 + RXJ42A9	FTXJ50AB9 + RXJ50A9
Space heating (Warm climate)	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
Space heating (Warm climate)	TBivalent	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				
	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				FTXJ20AB9 + RXJ20A9	FTXJ25AB9 + RXJ25A9	FTXJ35AB9 + RXJ35A9	FTXJ42AB9 + RXJ42A9	FTXJ50AB9 + RXJ50A9
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

2 Specifications

2 - 1 Specifications

Technical specifications				FTXJ20AS9 + RXJ20A9	FTXJ25AS9 + RXJ25A9	FTXJ35AS9 + RXJ35A9	FTXJ42AS9 + RXJ42A9	FTXJ50AS9 + RXJ50A9
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
	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

2 Specifications

2 - 1 Specifications

Technical specifications				FTXJ20AS9 + RXJ20A9	FTXJ25AS9 + RXJ25A9	FTXJ35AS9 + RXJ35A9	FTXJ42AS9 + RXJ42A9	FTXJ50AS9 + RXJ50A9
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
	SCOPnet			6.47	6.48	6.4	5.9	5.88
	Annual energy consumption		kWh/a	291	295	305	496	524
Space heating (Warm climate)	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
	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
Space heating (Average climate)	A Condition (-7°C)	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

2 - 1 Specifications

Technical specifications					FTXJ20AS9 + RXJ20A9	FTXJ25AS9 + RXJ25A9	FTXJ35AS9 + RXJ35A9	FTXJ42AS9 + RXJ42A9	FTXJ50AS9 + RXJ50A9
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				
		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
Space heating (Warm climate)	TBivalent	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				
	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

2 - 1 Specifications

Technical specifications					FTXJ20AS9 + RXJ20A9	FTXJ25AS9 + RXJ25A9	FTXJ35AS9 + RXJ35A9	FTXJ42AS9 + RXJ42A9	FTXJ50AS9 + RXJ50A9
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 + RXJ20A9	FTXJ25AS9 + RXJ25A9	FTXJ35AS9 + RXJ35A9	FTXJ42AS9 + RXJ42A9	FTXJ50AS9 + RXJ50A9
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 + RXJ20A9	FTXJ25AW9 + RXJ25A9	FTXJ35AW9 + RXJ35A9	FTXJ42AW9 + RXJ42A9	FTXJ50AW9 + RXJ50A9
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
	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

2 Specifications

2 - 1 Specifications

Technical specifications				FTXJ20AW9 + RXJ20A9	FTXJ25AW9 + RXJ25A9	FTXJ35AW9 + RXJ35A9	FTXJ42AW9 + RXJ42A9	FTXJ50AW9 + RXJ50A9
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
	SCOPnet			6.47	6.48	6.4	5.9	5.88
	Annual energy consumption		kWh/a	291	295	305	496	524
Space heating (Warm climate)	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
	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

2 Specifications

2 - 1 Specifications

Technical specifications				FTXJ20AW9 + RXJ20A9	FTXJ25AW9 + RXJ25A9	FTXJ35AW9 + RXJ35A9	FTXJ42AW9 + RXJ42A9	FTXJ50AW9 + RXJ50A9
Space heating (Average climate)	A Condition (-7°C)	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				
		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
Space heating (Warm climate)	TBivalent	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

2 - 1 Specifications

Technical specifications					FTXJ20AW9 + RXJ20A9	FTXJ25AW9 + RXJ25A9	FTXJ35AW9 + RXJ35A9	FTXJ42AW9 + RXJ42A9	FTXJ50AW9 + RXJ50A9
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0				
	Off mode	POFF		W	1				
	Standby mode	Cooling	PSB	W	1				
		Heating	PSB	W	1				
	Thermo-stat-off mode	PTO	Cooling	W	7			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 + RXJ20A9	FTXJ25AW9 + RXJ25A9	FTXJ35AW9 + RXJ35A9	FTXJ42AW9 + RXJ42A9	FTXJ50AW9 + RXJ50A9
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					RXJ20A9	RXJ25A9	RXJ35A9	RXJ42A9	RXJ50A9
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	
Heat exchanger	Length			mm	805			920	
	Rows	Quantity			2				
	Fin pitch			mm	1.4				
	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		36	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			DFC07A1VA	
	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	

2 Specifications

2 - 1 Specifications

Technical Specifications					RXJ20A9	RXJ25A9	RXJ35A9	RXJ42A9	RXJ50A9
Compressor	Model				1YC25GXD#D			2Y147BKBX1P#D	
	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				
Operation range	Cooling	Ambient	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			1.1	
	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)			Inverter controlled	

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;

Electrical Specifications				RXJ20A9	RXJ25A9	RXJ35A9	RXJ42A9	RXJ50A9
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-A9

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) / RXJ20A9
FTXJ20AS(9) / RXJ20A9
FTXJ20AW(9) / RXJ20A9

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) / RXJ25A9
FTXJ25AS(9) / RXJ25A9
FTXJ25AW(9) / RXJ25A9

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.

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4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXJ35AB(9) / RXJ35A9
FTXJ35AS(9) / RXJ35A9
FTXJ35AW(9) / RXJ35A9

Cooling ·50Hz 220 -240V·

AFR	11,8
BF	0,12

Indoor air temperature		Outdoor temperature [°C DB]																	
		20			25			30			32			35			40		
[°C WB]	[°C DB]	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	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) / RXJ42A9
FTXJ42AS(9) / RXJ42A9
FTXJ42AW(9) / RXJ42A9

Cooling ·50Hz 220 -240V·

AFR	13,0
BF	0,19

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) / RXJ50A9
FTXJ50AS(9) / RXJ50A9
FTXJ50AW(9) / RXJ50A9

AFR	13,5
BF	0,23

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	4,25	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

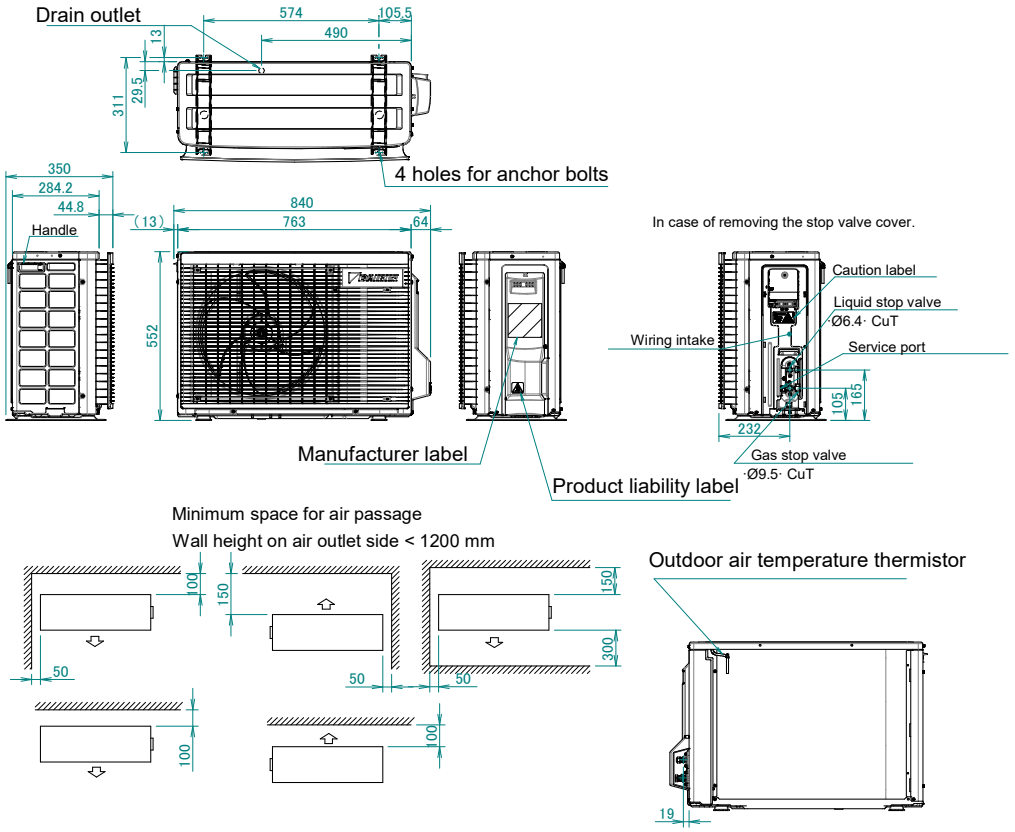
1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. ☐ Nominal capacity and nominal input
3. The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used 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.

4D139752B

5 Dimensional drawings

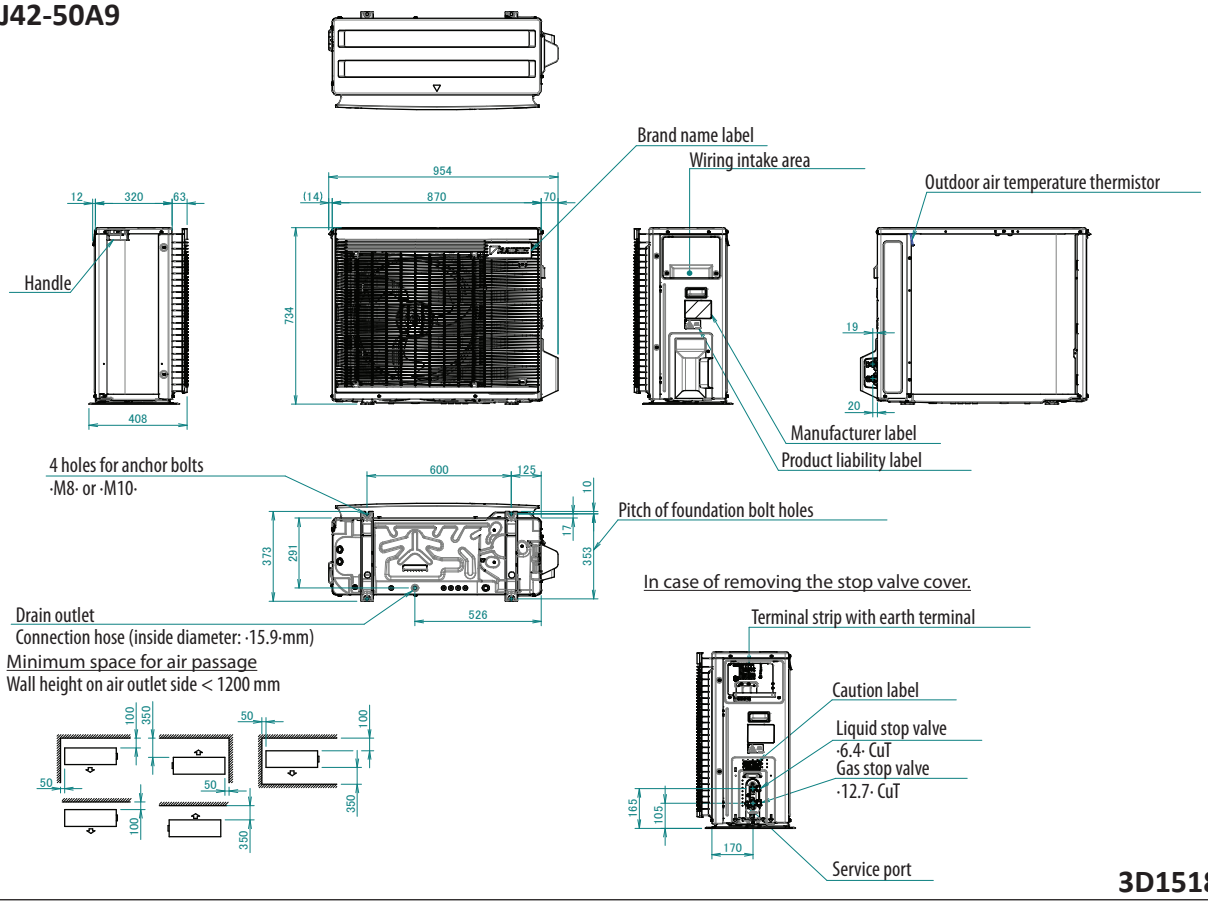
5 - 1 Dimensional Drawings

RXJ20-35A9



3D136863B

RXJ42-50A9

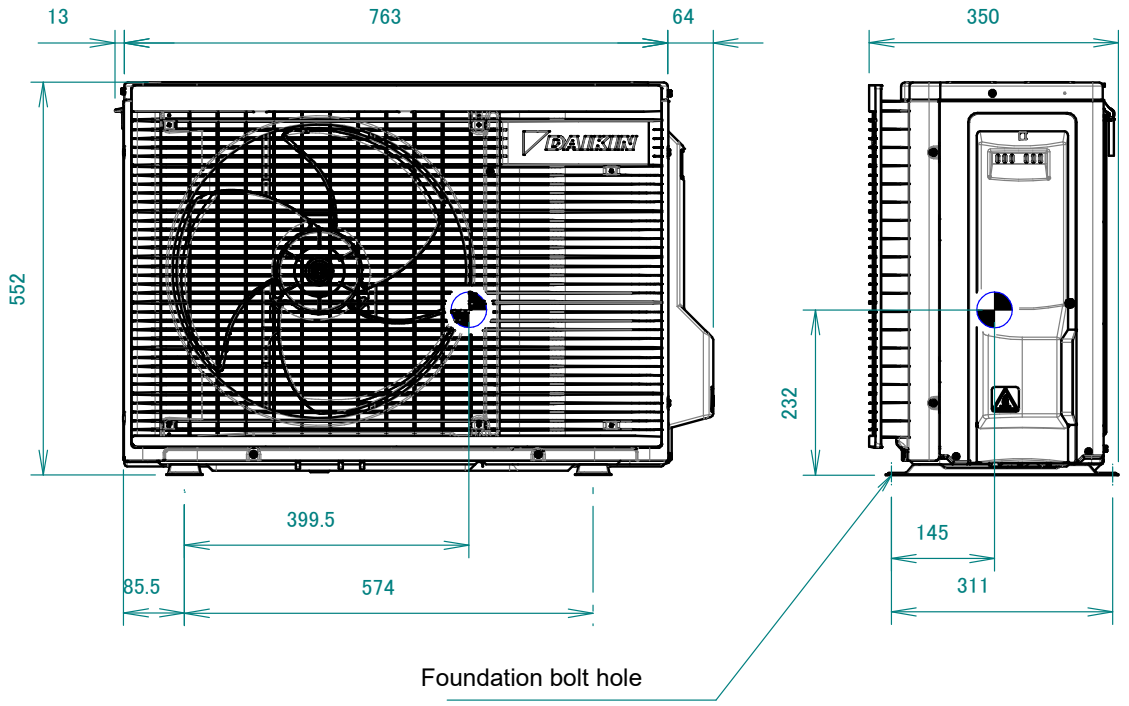


3D151871

6 Centre of gravity

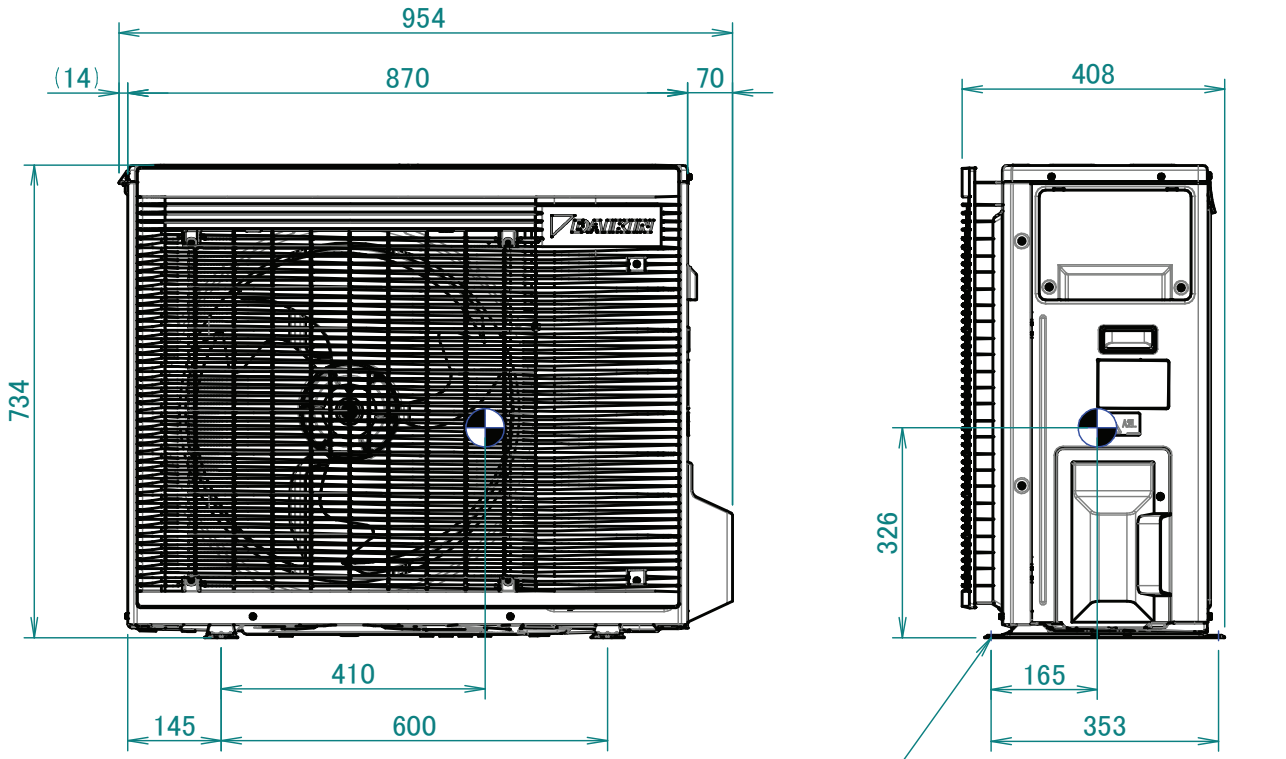
6 - 1 Centre of Gravity

RXJ20-35A9



4D686754

RXJ42-50A9

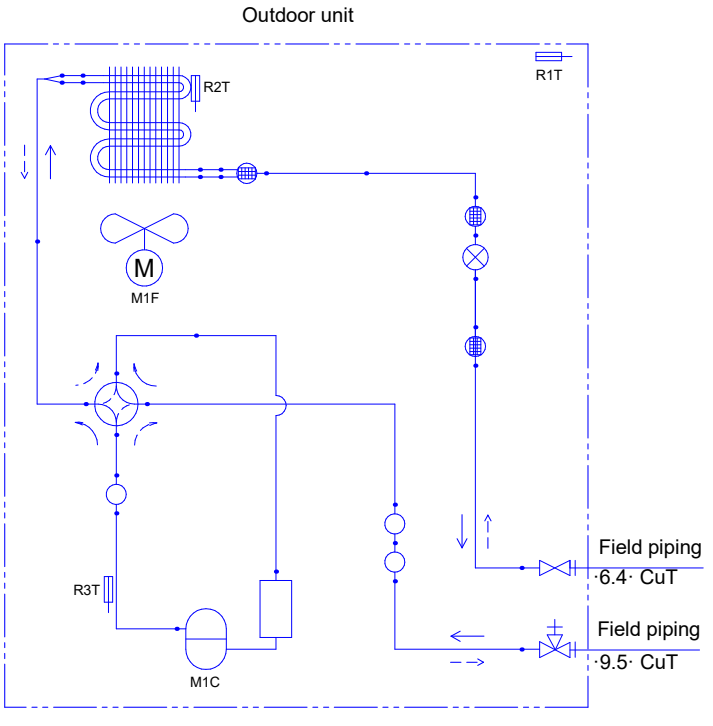


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7 Piping diagrams

7 - 1 Piping Diagrams

RXJ20-35A9



Legend

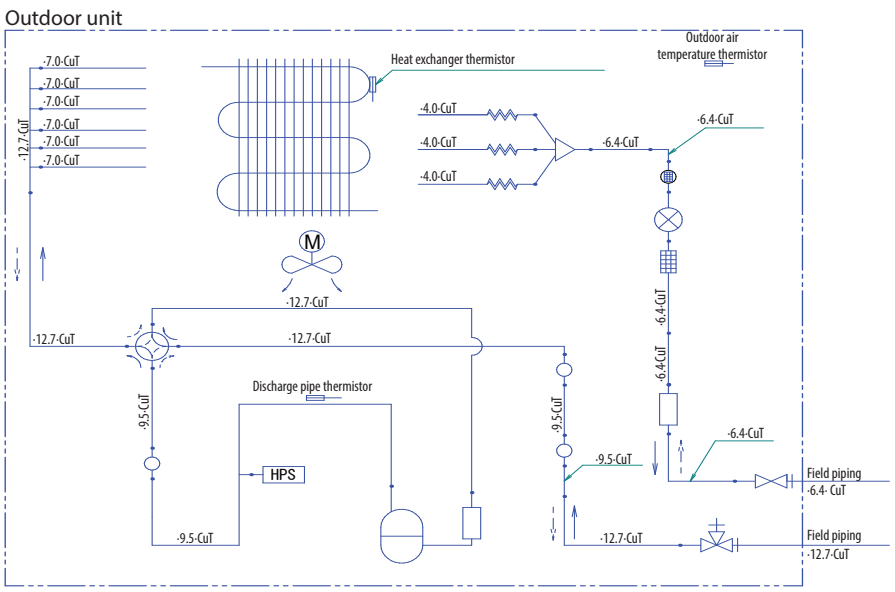
- Liquid stop valve
- Gas stop valve
- Muffler
- Muffler with filter
- Electronic expansion valve
- Filter
- Propeller fan
- Thermistor
- 4-way valve
- Accumulator
- Compressor
- Heat exchanger

Refrigerant flow

- Cooling
- Heating

3D091995D

RXJ42-50A9



- 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 ON: heating
- Accumulator
- Compressor
- Heat exchanger
- Distributor

Refrigerant flow

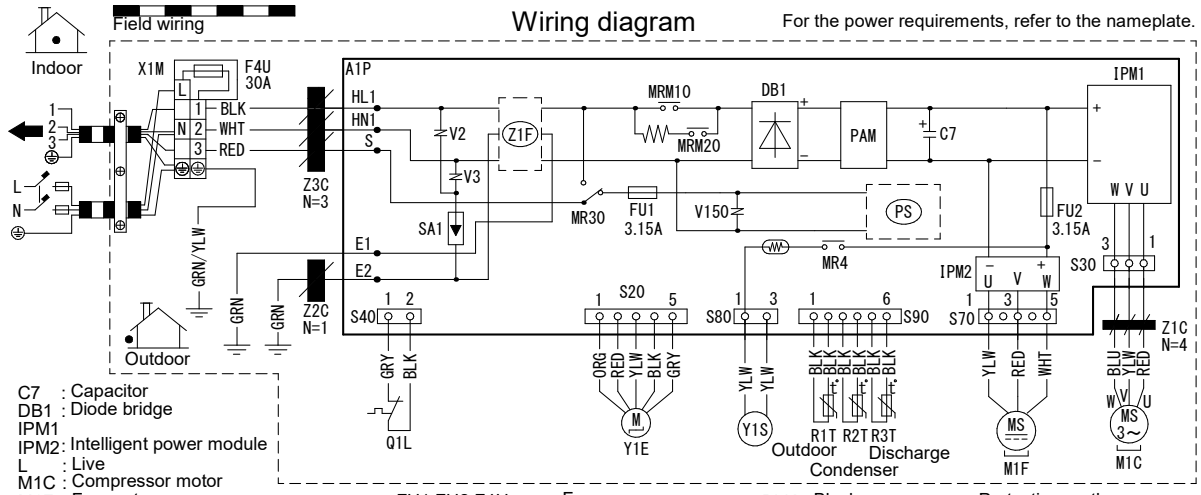
- Cooling
- Heating

3D151341

8 Wiring diagrams

8 - 1 Wiring Diagrams - Three Phase

RXJ20-35A9



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

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

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

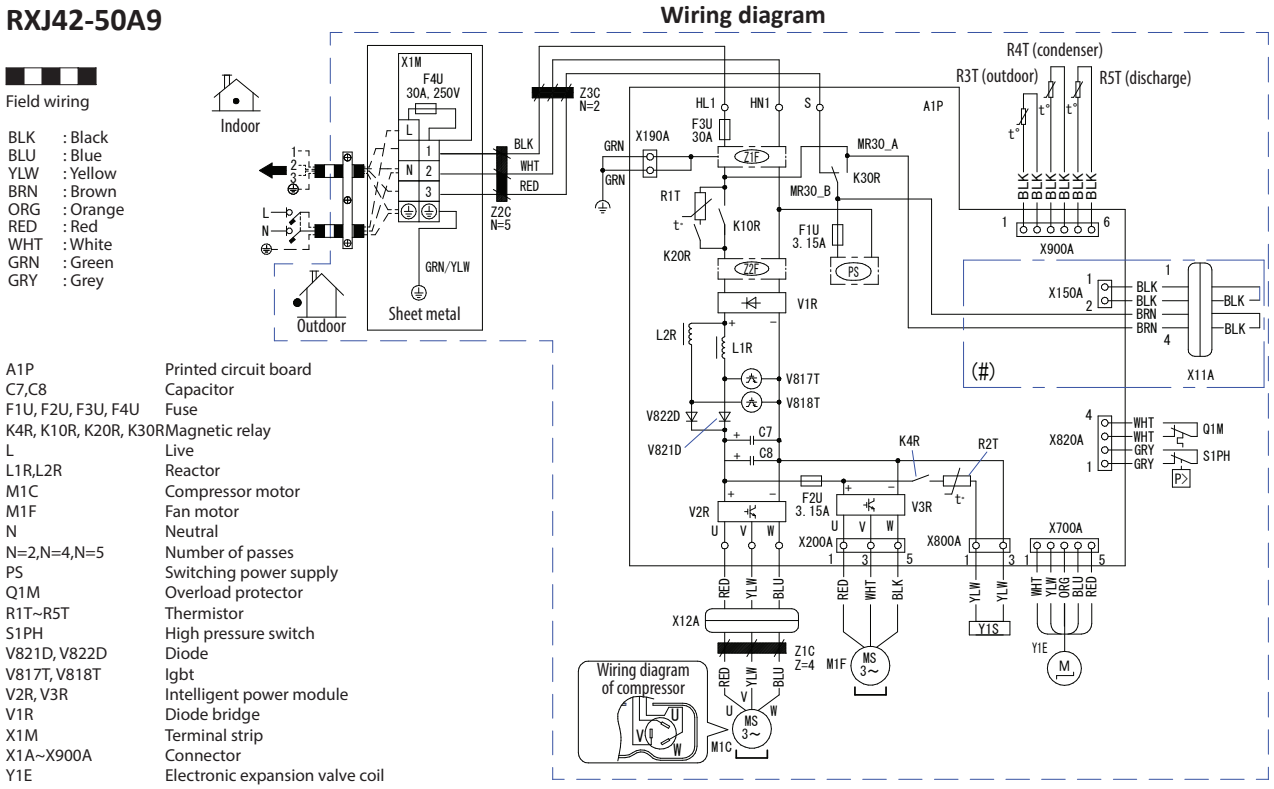
⏚: Protective earth
⏚: Earth

Notes

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

3D153803

RXJ42-50A9



A1P	Printed circuit board
C7,C8	Capacitor
F1U, F2U, F3U, F4U	Fuse
K4R, K10R, K20R, K30R	Magnetic relay
L	Live
L1R,L2R	Reactor
M1C	Compressor motor
M1F	Fan motor
N	Neutral
N=2,N=4,N=5	Number of passes
PS	Switching power supply
Q1M	Overload protector
R1T~R5T	Thermistor
S1PH	High pressure switch
V821D, V822D	Diode
V817T, V818T	Igbt
V2R, V3R	Intelligent power module
V1R	Diode bridge
X1M	Terminal strip
X1A~X900A	Connector
Y1E	Electronic expansion valve coil
Y1S	Reversing solenoid valve coil
Z1C ,Z2C, Z3C	Ferrite core
Z1F, Z2F	Noise filter
⏚	Protective earth
⏚	Noiseless earth

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

NOTES

1. Refer to the nameplate for the power requirements.
2. Do not remove or replace fuse when the units are energized.
3. (#) Only for the units with the suspend connector specified in the installation manual.

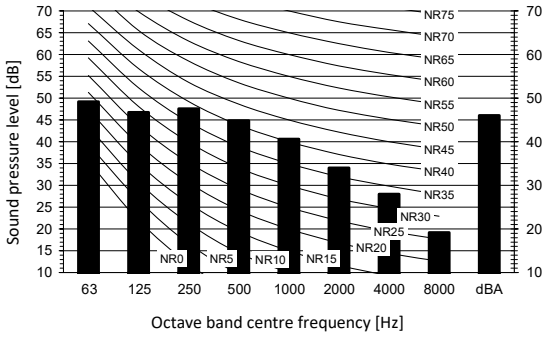
3D150217

9 Sound data

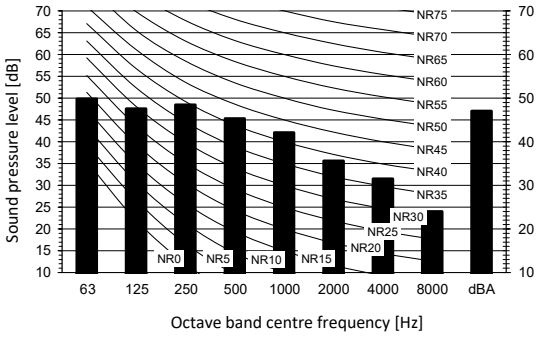
9 - 1 Sound Pressure Spectrum

RXJ20A9

Cooling mode



Heating mode



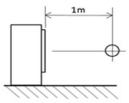
Legend

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

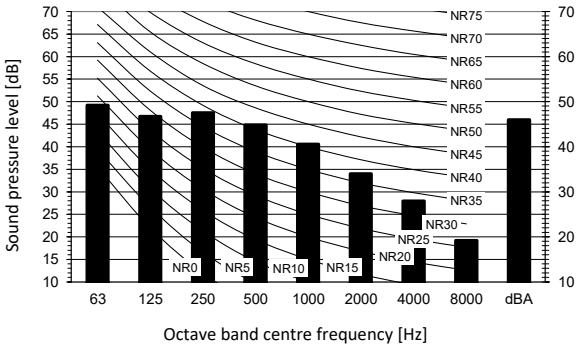
Notes

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

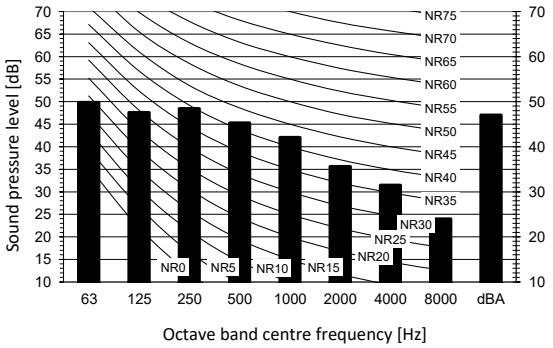
4D139647

RXJ25A9

Cooling mode



Heating mode



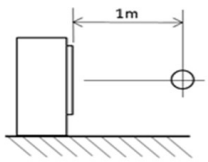
Legend

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

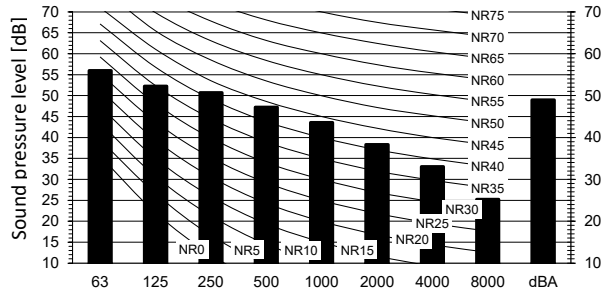
4D139649

9 Sound data

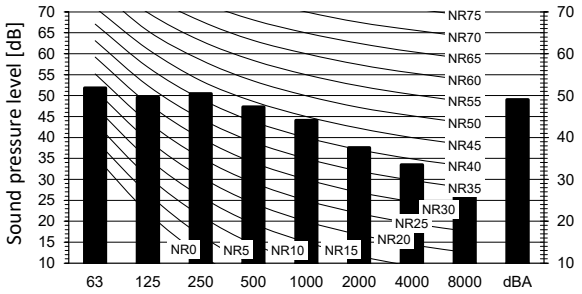
9 - 1 Sound Pressure Spectrum

RXJ35A9

Cooling mode



Heating mode



Legend

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

A Scale

B ■ Fan speed: High

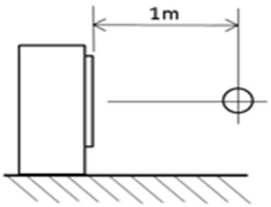
Cooling Total dB

A	B
dBA	49

Heating Total dB

A	B
dBA	49

Location of microphone



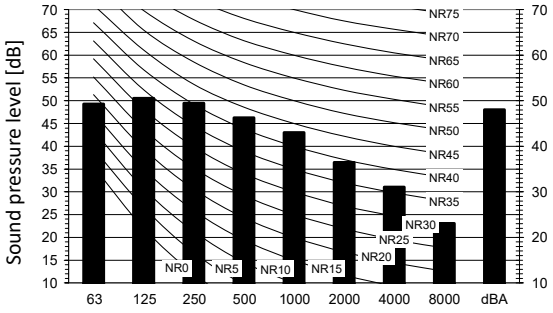
Notes

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

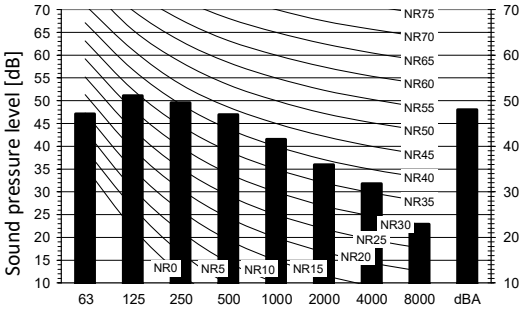
4D139651

RXJ42A9

Cooling mode



Heating mode



Legend

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

A Scale

B ■ Fan speed: High

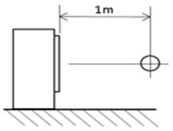
Cooling Total dB

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

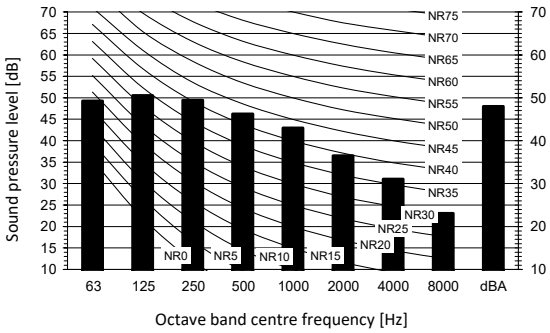
4D139653

9 Sound data

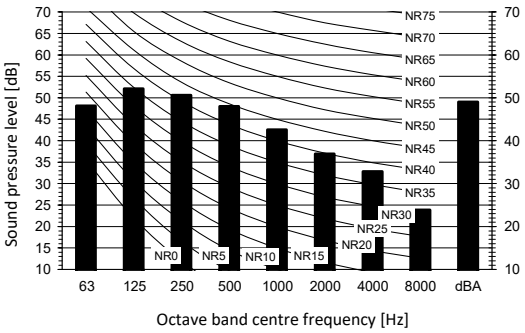
9 - 1 Sound Pressure Spectrum

RXJ50A9

Cooling mode



Heating mode



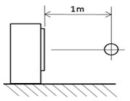
Legend

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	48

Heating Total dB

A	B
dBA	49

Notes

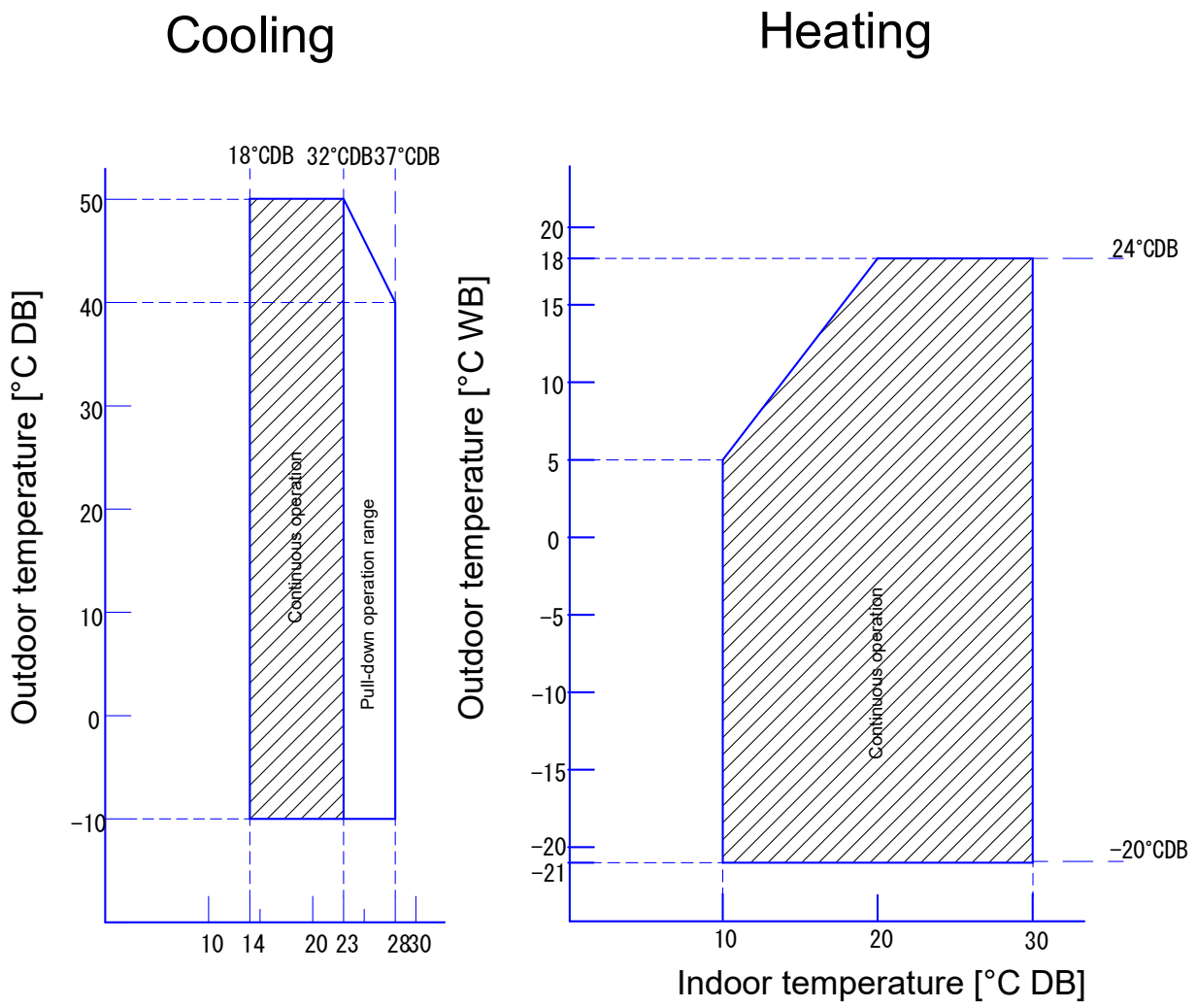
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2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

4D139655

10 Operation range

10 - 1 Operation Range

RXJ-A9



Notes

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

4D154751

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EEDEN25 02/2025

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