Design outdoor unit Air Conditioning Technical Data

RXJ-A

EEDEN22

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RXJ-A

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› 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

Swing compressor

Guaranteed operation down to -20°C

Inverter

Outdoor unit silent operation

2 Specifications

1 - 1 RXJ-A

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

2 Specifications

1 - 1 RXJ-A

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

2 Specifications

1 - 1 RXJ-A

Technical specifications					FTXJ20AS + RXJ20A	FTXJ25AS + RXJ25A	FTXJ35AS + RXJ35A	FTXJ42AS + RXJ42A	FTXJ50AS + RXJ50A
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)		°C	-10				
		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
	TBivalent	Tbiv (bivalent temperature)		°C	-7				
		Pdh (declared heating cap)		kW	2.13	2.17	2.22	3.37	3.54
		COPd (declared COP)			3.49	3.48	3.54	3.24	3.16
		Power input		kW	0.61	0.62	0.63	1.04	1.12
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.13	2.17	2.22	3.37	3.54
		COPd (declared COP)			3.49	3.48	3.54	3.24	3.16
		Power input		kW	0.61	0.62	0.63	1.04	1.12
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.30	1.32	1.35	2.05	2.16
		COPd (declared COP)			5.18	5.17	5.19	4.50	4.52
		Power input		kW	0.25	0.26		0.46	0.48
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.91	0.93	0.95	1.71	1.73
		COPd (declared COP)			6.45	6.48	6.42	6.14	6.13
		Power input		kW	0.14		0.15	0.28	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.12	1.13	1.15	1.52	1.56
		COPd (declared COP)			8.04	8.03	7.89	7.35	7.25
		Power input		kW	0.14		0.15	0.21	0.22
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	2				
		Pdh (declared heating cap)		kW	1.30	1.32	1.35	2.05	2.16
		COPd (declared COP)			5.18	5.17	5.19	4.50	4.52
Space heating (Warm climate)	TOL	Power input		kW	0.25	0.26		0.46	0.48
	TBivalent	Tbiv (bivalent temperature)		°C	2				
		Pdh (declared heating cap)		kW	1.30	1.32	1.35	2.05	2.16
		COPd (declared COP)			5.18	5.17	5.19	4.50	4.52
		Power input		kW	0.25	0.26		0.46	0.48
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.30	1.32	1.35	2.05	2.16
		COPd (declared COP)			5.18	5.17	5.19	4.50	4.52
		Power input		kW	0.25	0.26		0.46	0.48
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.91	0.93	0.95	1.71	1.73
		COPd (declared COP)			6.45	6.48	6.42	6.14	6.13
		Power input		kW	0.14		0.15	0.28	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.12	1.13	1.15	1.52	1.56
		COPd (declared COP)			8.04	8.03	7.89	7.35	7.25
		Power input		kW	0.14		0.15	0.21	0.22
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)		°C	2				
		Pdh (declared heating cap)		kW	1.30	1.32	1.35	2.05	2.16
		COPd (declared COP)			5.18	5.17	5.19	4.50	4.52
		Power input		kW	0.25	0.26		0.46	0.48
	TBivalent	Tbiv (bivalent temperature)		°C	2				
		Pdh (declared heating cap)		kW	1.30	1.32	1.35	2.05	2.16
		COPd (declared COP)			5.18	5.17	5.19	4.50	4.52
		Power input		kW	0.25	0.26		0.46	0.48
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.30	1.32	1.35	2.05	2.16
		COPd (declared COP)			5.18	5.17	5.19	4.50	4.52
		Power input		kW	0.25	0.26		0.46	0.48
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.91	0.93	0.95	1.71	1.73
		COPd (declared COP)			6.45	6.48	6.42	6.14	6.13
		Power input		kW	0.14		0.15	0.28	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.12	1.13	1.15	1.52	1.56
		Power input		kW	0.14		0.15	0.21	0.22
		COPd (declared COP)			8.04	8.03	7.89	7.35	7.25
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				
	Thermostat-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				

2 Specifications

1 - 1 RXJ-A

2

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

Electrical specifications				FTXJ20AS + RXJ20A	FTXJ25AS + RXJ25A	FTXJ35AS + RXJ35A	FTXJ42AS + RXJ42A	FTXJ50AS + RXJ50A
Power factor	Nominal	Cooling	%	93.48	93.65	96.89	93.17	93.86
		Heating	%	90.58	93.65	97.83	93.37	90.06
Current	Nominal running current (RLA) - 50Hz	Heating	A	2.40	2.60	4.40	6.10	7.00
Current - 50Hz	Maximum fuse amps (MFA)		A	10.00	13.00			
Current	Nominal running current (RLA)	Cooling	A	2.00	2.60	3.50	4.90	6.30

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

2 Specifications

1 - 1 RXJ-A

Technical specifications				FTXJ20AW + RXJ20A	FTXJ25AW + RXJ25A	FTXJ35AW + RXJ35A	FTXJ42AW + RXJ42A	FTXJ50AW + RXJ50A
Power input - Low sound mode (Stb. 2020, 189)	Cooling	Nom.	kW	0.43	0.56	0.78	1.05	1.36
	Heating	Nom.	kW	0.50	0.56	0.99	1.34	1.49
Nominal efficiency	EER			4.70	4.46	4.37	3.99	3.68
	COP			5.00		4.04	4.12	4.00
	Annual energy consumption		kWh	213	280	389	526	679
	Energy labeling Directive	Cooling		A				
		Heating		A				
Nominal efficiency - Low sound mode (Stb. 2020, 189)	EER			4.70	4.46	4.37	3.99	3.68
	COP			5.00		4.04	4.02	3.90
	Annual energy consumption		kWh	213	280	389	526	679
Space cooling	Energy efficiency class			A+++			A++	
	Capacity	Pdesign	kW	2.00	2.50	3.40	4.20	5.00
	SEER			8.75	8.74	8.73	7.50	7.33
	Annual energy consumption		kWh/a	80	100	136	196	239
Space cooling - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.00	2.50	3.40	4.20	5.00
	SEER			8.75	8.74	8.73	7.50	7.33
	Annual energy consumption		kWh/a	80	100	136	196	239
Space heating (Average climate)	Capacity	Pdesign	kW	2.40	2.45	2.50	3.80	4.00
	Energy efficiency class			A+++			A++	
	SCOP/A			5.15			4.60	
	SCOPnet/A			5.21			4.64	4.63
	Pdh Heating capacity at -10°		kW	2.02	2.07	2.11	3.26	3.44
	Annual energy consumption		kWh/a	652	666	680	1,156	1,218
	Required back up heating cap at design conditions		kW	0.38		0.39	0.54	0.56
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.40	2.45	2.50	3.80	4.00
	SCOP/A			5.15			4.60	
	SCOPnet/A			5.21			4.64	4.63
	Pdh Heating capacity at -10°		kW	2.02	2.07	2.11	3.26	3.44
	Annual energy consumption		kWh/a	652	666	680	1,156	1,218
	Required back up heating cap at design conditions		kW	0.38		0.39	0.54	0.56
Space heating (Warm climate)	Capacity	Pdesignh	kW	1.30	1.32	1.35	2.05	2.16
	Energy efficiency class			A+++				
	SCOP			6.26	6.27	6.20	5.78	5.77
	SCOPnet			6.47	6.48	6.40	5.90	5.88
Space heating (Warm climate)	Annual energy consumption		kWh/a	291	295	305	496	524
	Required back up heating cap at design conditions		kW	0.00				
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	1.30	1.32	1.35	2.05	2.16
	SCOP			6.26	6.27	6.20	5.78	5.77
	SCOPnet			6.47	6.48	6.40	5.90	5.88
	Annual energy consumption		kWh/a	291	295	305	496	524
	Required back up heating cap at design conditions		kW	0.00				
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	2.00	2.50	3.40	4.20	5.00
		EERd		4.70	4.46	4.37	3.99	3.68
		Power input	kW	0.43	0.56	0.78	1.05	1.36
	B Condition (30°C - 27/19)	Pdc	kW	1.48	1.85	2.51	3.10	3.69
		EERd		6.96	6.59	6.27	5.59	5.29
		Power input	kW	0.21	0.28	0.40	0.55	0.70
	C Condition (25°C - 27/19)	Pdc	kW	1.21	1.22	1.62	1.99	2.37
		EERd		11.41	10.97	10.44	9.35	9.24
		Power input	kW	0.11		0.16	0.21	0.26
	D Condition (20°C - 27/19)	Pdc	kW	1.18	1.19	1.29	1.89	
		EERd		15.11	15.09	16.64	12.08	12.03
		Power input	kW	0.08			0.16	
Space cooling - Low sound mode (Stb. 2020, 189)	A Condition (35°C - 27/19)	Pdc	kW	2.00	2.50	3.40	4.20	5.00
		EERd		4.70	4.46	4.37	3.99	3.68
		Power input	kW	0.43	0.56	0.78	1.05	1.36
	B Condition (30°C - 27/19)	Pdc	kW	1.48	1.85	2.51	3.10	3.69
		EERd		6.96	6.59	6.27	5.59	5.29
		Power input	kW	0.21	0.28	0.40	0.55	0.70
	C Condition (25°C - 27/19)	Pdc	kW	1.21	1.22	1.62	1.99	2.37
		EERd		11.41	10.97	10.44	9.35	9.24
		Power input	kW	0.11		0.16	0.21	0.26
	D Condition (20°C - 27/19)	Pdc	kW	1.18	1.19	1.29	1.89	
		EERd		15.11	15.09	16.64	12.08	12.03
		Power input	kW	0.08			0.16	

2 Specifications

1 - 1 RXJ-A

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

2 Specifications

1 - 1 RXJ-A

Technical specifications					FTXJ20AW + RXJ20A	FTXJ25AW + RXJ25A	FTXJ35AW + RXJ35A	FTXJ42AW + RXJ42A	FTXJ50AW + RXJ50A
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)		°C	2				
		Pdh (declared heating cap)		kW	1.30	1.32	1.35	2.05	2.16
		COPd (declared COP)			5.18	5.17	5.19	4.50	4.52
		Power input		kW	0.25	0.26		0.46	0.48
	TBivalent	Tbiv (bivalent temperature)		°C	2				
		Pdh (declared heating cap)		kW	1.30	1.32	1.35	2.05	2.16
		COPd (declared COP)			5.18	5.17	5.19	4.50	4.52
		Power input		kW	0.25	0.26		0.46	0.48
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.30	1.32	1.35	2.05	2.16
		COPd (declared COP)			5.18	5.17	5.19	4.50	4.52
		Power input		kW	0.25	0.26		0.46	0.48
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.91	0.93	0.95	1.71	1.73
		COPd (declared COP)			6.45	6.48	6.42	6.14	6.13
		Power input		kW	0.14		0.15	0.28	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.12	1.13	1.15	1.52	1.56
		Power input		kW	0.14		0.15	0.21	0.22
		COPd (declared COP)			8.04	8.03	7.89	7.35	7.25
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				
	Thermostat-off mode	PTO	Cooling	W	7			12	
			Heating	W	13				
Cooling	Cdc (Degradation cooling)				0.25				
Heating	Cdh (Degradation heating)				0.25				
Cooling function included					Yes				
Heating function included					Yes				
Average climate included					Yes				
Cold season included					No				
Warm season included					Yes				
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	59		61	62	
	Sound power level indoor	Cooling	Nom.	dBA	57		60		
	Piping length	Cooling	Measuring condition	m	5.00				

Electrical specifications				FTXJ20AW + RXJ20A	FTXJ25AW + RXJ25A	FTXJ35AW + RXJ35A	FTXJ42AW + RXJ42A	FTXJ50AW + RXJ50A
Power factor	Nominal	Cooling	%	93.48	93.65	96.89	93.17	93.86
		Heating	%	90.58	93.65	97.83	93.37	90.06
Current	Nominal running current (RLA) - 50Hz	Heating	A	2.40	2.60	4.40	6.10	7.00
Current - 50Hz	Maximum fuse amps (MFA)		A	10.00	13.00			
Current	Nominal running current (RLA)	Cooling	A	2.00	2.60	3.50	4.90	6.30

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	FTXJ20AB + RXJ20A	FTXJ25AB + RXJ25A	FTXJ35AB + RXJ35A	FTXJ42AB + RXJ42A	FTXJ50AB + RXJ50A
Indoor unit	FTXJ20A2V1BB	FTXJ25A2V1BB	FTXJ35A2V1BB	FTXJ42A2V1BB	FTXJ50A2V1BB
Outdoor unit	RXJ20A5V1B	RXJ25A5V1B	RXJ35A5V1B	RXJ42A2V1B	RXJ50A2V1B

2 Specifications

1 - 1 RXJ-A

2

Technical specifications			FTXJ20AB + RXJ20A	FTXJ25AB + RXJ25A	FTXJ35AB + RXJ35A	FTXJ42AB + RXJ42A	FTXJ50AB + RXJ50A
Cooling capacity	Min.	kW	1.30		1.40	1.70	
	Min.	Btu/h	4,400		4,800	5,800	
	Min.	kcal/h	1,118		1,204	1,462	
	Nom.	kW	2.00	2.50	3.40	4.20	5.00
	Nom.	Btu/h	6,800	8,500	11,600	14,300	17,100
	Nom.	kcal/h	1,720	2,150	2,923	3,611	4,299
	Max.	kW	2.60	3.20	4.00	5.00	5.30
	Max.	Btu/h	8,900	10,900	13,600	17,100	18,100
	Max.	kcal/h	2,236	2,752	3,439	4,299	4,557
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.	kW	1.30		1.40	1.70	
	Min.	Btu/h	4,400		4,800	5,800	
	Min.	kcal/h	1,118		1,204	1,462	
	Nom.	kW	2.00	2.50	3.40	4.20	5.00
	Nom.	Btu/h	6,800	8,500	11,600	14,300	17,100
	Nom.	kcal/h	1,720	2,150	2,923	3,611	4,299
	Max.	kW	2.60	3.20	3.60	4.90	5.00
	Max.	Btu/h	8,900	10,900	12,283	16,720	17,060
	Max.	kcal/h	2,236	2,752	3,097	4,213	4,299
Heating capacity	Min.	kW	1.30		1.40	1.70	
	Min.	Btu/h	4,400		4,800	5,800	
	Min.	kcal/h	1,118		1,204	1,500	
	Nom.	kW	2.50	2.80	4.00	5.40	5.80
	Nom.	Btu/h	8,500	9,600	13,600	18,400	19,800
	Nom.	kcal/h	2,150	2,408	3,439	4,643	4,987
	Max.	kW	3.50	4.70	5.20	6.00	6.50
	Max.	Btu/h	11,900	16,000	17,700	20,500	22,200
	Max.	kcal/h	3,009	4,041	4,471	5,159	5,589
Heating capacity - Low sound mode (Stb. 2020, 189)	Min.	kW	1.30 /1,118		1.40 /1,204	1.70 /1,500	
	Min.	Btu/h	4,400		4,800	5,800	
	Nom.	kW	2.50	2.80	4.00	5.40	5.80
	Nom.	Btu/h	8,500	9,600	13,600	18,400	19,800
	Nom.	kcal/h	2,150	2,408	3,439	4,643	4,987
	Max.	kW	3.50	4.70	5.20	5.70	5.80
	Max.	Btu/h	11,900	16,000	17,700	19,450	19,790
Heating capacity - Low sound mode (Stb. 2020, 189)	Max.	kcal/h	3,009	4,041	4,471	4,900	4,987
Power input	Cooling Nom.	kW	0.43	0.56	0.78	1.05	1.36
	Heating Nom.	kW	0.50	0.56	0.99	1.31	1.45
Power input - Low sound mode (Stb. 2020, 189)	Cooling Nom.	kW	0.43	0.56	0.78	1.05	1.36
	Heating Nom.	kW	0.50	0.56	0.99	1.34	1.49
Nominal efficiency	EER		4.70	4.46	4.37	3.99	3.68
	COP		5.00		4.04	4.12	4.00
	Annual energy consumption	kWh	213	280	389	526	679
	Energy labeling Directive Cooling		A				
	Energy labeling Directive Heating		A				
Nominal efficiency - Low sound mode (Stb. 2020, 189)	EER		4.70	4.46	4.37	3.99	3.68
	COP		5.00		4.04	4.02	3.90
	Annual energy consumption	kWh	213	280	389	526	679
Space cooling	Energy efficiency class		A+++			A++	
	Capacity Pdesign	kW	2.00	2.50	3.40	4.20	5.00
	SEER		8.75	8.74	8.73	7.50	7.33
	Annual energy consumption	kWh/a	80	100	136	196	239
Space cooling - Low sound mode (Stb. 2020, 189)	Capacity Pdesign	kW	2.00	2.50	3.40	4.20	5.00
	SEER		8.75	8.74	8.73	7.50	7.33
	Annual energy consumption	kWh/a	80	100	136	196	239
Space heating (Average climate)	Capacity Pdesign	kW	2.40	2.45	2.50	3.80	4.00
	Energy efficiency class		A+++			A++	
	SCOP/A		5.15			4.60	
	SCOPnet/A		5.21			4.64	4.63
	Pdh Heating capacity at -10°	kW	2.02	2.07	2.11	3.26	3.44
	Annual energy consumption	kWh/a	652	666	680	1,156	1,218
	Required back up heating cap at design conditions	kW	0.38		0.39	0.54	0.56

2 Specifications

1 - 1 RXJ-A

Technical specifications				FTXJ20AB + RXJ20A	FTXJ25AB + RXJ25A	FTXJ35AB + RXJ35A	FTXJ42AB + RXJ42A	FTXJ50AB + RXJ50A
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.40	2.45	2.50	3.80	4.00
	SCOP/A			5.15			4.60	
	SCOPnet/A			5.21			4.64	4.63
	Pdh Heating capacity at -10°		kW	2.02	2.07	2.11	3.26	3.44
	Annual energy consumption		kWh/a	652	666	680	1,156	1,218
	Required back up heating cap at design conditions		kW	0.38		0.39	0.54	0.56
Space heating (Warm climate)	Capacity	Pdesignh	kW	1.30	1.32	1.35	2.05	2.16
	Energy efficiency class					A+++		
	SCOP			6.26	6.27	6.20	5.78	5.77
	SCOPnet			6.47	6.48	6.40	5.90	5.88
Space heating (Warm climate)	Annual energy consumption		kWh/a	291	295	305	496	524
	Required back up heating cap at design conditions		kW			0.00		
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	1.30	1.32	1.35	2.05	2.16
	SCOP			6.26	6.27	6.20	5.78	5.77
	SCOPnet			6.47	6.48	6.40	5.90	5.88
	Annual energy consumption		kWh/a	291	295	305	496	524
	Required back up heating cap at design conditions		kW			0.00		
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	2.00	2.50	3.40	4.20	5.00
		EERd		4.70	4.46	4.37	3.99	3.68
		Power input	kW	0.43	0.56	0.78	1.05	1.36
	B Condition (30°C - 27/19)	Pdc	kW	1.48	1.85	2.51	3.10	3.69
		EERd		6.96	6.59	6.27	5.59	5.29
		Power input	kW	0.21	0.28	0.40	0.55	0.70
	C Condition (25°C - 27/19)	Pdc	kW	1.21	1.22	1.62	1.99	2.37
		EERd		11.41	10.97	10.44	9.35	9.24
		Power input	kW	0.11		0.16	0.21	0.26
	D Condition (20°C - 27/19)	Pdc	kW	1.18	1.19	1.29	1.89	
		EERd		15.11	15.09	16.64	12.08	12.03
		Power input	kW	0.08			0.16	
Space cooling - Low sound mode (Stb. 2020, 189)	A Condition (35°C - 27/19)	Pdc	kW	2.00	2.50	3.40	4.20	5.00
		EERd		4.70	4.46	4.37	3.99	3.68
		Power input	kW	0.43	0.56	0.78	1.05	1.36
	B Condition (30°C - 27/19)	Pdc	kW	1.48	1.85	2.51	3.10	3.69
		EERd		6.96	6.59	6.27	5.59	5.29
		Power input	kW	0.21	0.28	0.40	0.55	0.70
	C Condition (25°C - 27/19)	Pdc	kW	1.21	1.22	1.62	1.99	2.37
		EERd		11.41	10.97	10.44	9.35	9.24
		Power input	kW	0.11		0.16	0.21	0.26
	D Condition (20°C - 27/19)	Pdc	kW	1.18	1.19	1.29	1.89	
		EERd		15.11	15.09	16.64	12.08	12.03
		Power input	kW	0.08			0.16	
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C			-10		
		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
	TBivalent	Tbiv (bivalent temperature)	°C			-7		
		Pdh (declared heating cap)	kW	2.13	2.17	2.22	3.37	3.54
Space heating (Average climate)	TBivalent	COPd (declared COP)		3.49	3.48	3.54	3.24	3.16
		Power input	kW	0.61	0.62	0.63	1.04	1.12
	A Condition (-7°C)	Pdh (declared heating cap)	kW	2.13	2.17	2.22	3.37	3.54
		COPd (declared COP)		3.49	3.48	3.54	3.24	3.16
		Power input	kW	0.61	0.62	0.63	1.04	1.12
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.30	1.32	1.35	2.05	2.16
		COPd (declared COP)		5.18	5.17	5.19	4.50	4.52
		Power input	kW	0.25	0.26		0.46	0.48
	C Condition (7°C)	Pdh (declared heating cap)	kW	0.91	0.93	0.95	1.71	1.73
		COPd (declared COP)		6.45	6.48	6.42	6.14	6.13
		Power input	kW	0.14		0.15	0.28	
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.12	1.13	1.15	1.52	1.56
		COPd (declared COP)		8.04	8.03	7.89	7.35	7.25
		Power input	kW	0.14		0.15	0.21	0.22

2 Specifications

1 - 1 RXJ-A

Technical specifications					FTXJ20AB + RXJ20A	FTXJ25AB + RXJ25A	FTXJ35AB + RXJ35A	FTXJ42AB + RXJ42A	FTXJ50AB + RXJ50A
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)		°C	-10				
		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
	TBivalent	Tbiv (bivalent temperature)		°C	-7				
		Pdh (declared heating cap)		kW	2.13	2.17	2.22	3.37	3.54
		COPd (declared COP)			3.49	3.48	3.54	3.24	3.16
		Power input		kW	0.61	0.62	0.63	1.04	1.12
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.13	2.17	2.22	3.37	3.54
		COPd (declared COP)			3.49	3.48	3.54	3.24	3.16
		Power input		kW	0.61	0.62	0.63	1.04	1.12
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.30	1.32	1.35	2.05	2.16
		COPd (declared COP)			5.18	5.17	5.19	4.50	4.52
		Power input		kW	0.25	0.26		0.46	0.48
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.91	0.93	0.95	1.71	1.73
		COPd (declared COP)			6.45	6.48	6.42	6.14	6.13
		Power input		kW	0.14		0.15	0.28	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.12	1.13	1.15	1.52	1.56
		COPd (declared COP)			8.04	8.03	7.89	7.35	7.25
		Power input		kW	0.14		0.15	0.21	0.22
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	2				
		Pdh (declared heating cap)		kW	1.30	1.32	1.35	2.05	2.16
		COPd (declared COP)			5.18	5.17	5.19	4.50	4.52
Space heating (Warm climate)	TOL	Power input		kW	0.25	0.26		0.46	0.48
	TBivalent	Tbiv (bivalent temperature)		°C	2				
		Pdh (declared heating cap)		kW	1.30	1.32	1.35	2.05	2.16
		COPd (declared COP)			5.18	5.17	5.19	4.50	4.52
		Power input		kW	0.25	0.26		0.46	0.48
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.30	1.32	1.35	2.05	2.16
		COPd (declared COP)			5.18	5.17	5.19	4.50	4.52
		Power input		kW	0.25	0.26		0.46	0.48
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.91	0.93	0.95	1.71	1.73
		COPd (declared COP)			6.45	6.48	6.42	6.14	6.13
		Power input		kW	0.14		0.15	0.28	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.12	1.13	1.15	1.52	1.56
		COPd (declared COP)			8.04	8.03	7.89	7.35	7.25
		Power input		kW	0.14		0.15	0.21	0.22
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)		°C	2				
		Pdh (declared heating cap)		kW	1.30	1.32	1.35	2.05	2.16
		COPd (declared COP)			5.18	5.17	5.19	4.50	4.52
		Power input		kW	0.25	0.26		0.46	0.48
	TBivalent	Tbiv (bivalent temperature)		°C	2				
		Pdh (declared heating cap)		kW	1.30	1.32	1.35	2.05	2.16
		COPd (declared COP)			5.18	5.17	5.19	4.50	4.52
		Power input		kW	0.25	0.26		0.46	0.48
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.30	1.32	1.35	2.05	2.16
		COPd (declared COP)			5.18	5.17	5.19	4.50	4.52
		Power input		kW	0.25	0.26		0.46	0.48
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.91	0.93	0.95	1.71	1.73
		COPd (declared COP)			6.45	6.48	6.42	6.14	6.13
		Power input		kW	0.14		0.15	0.28	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.12	1.13	1.15	1.52	1.56
		Power input		kW	0.14		0.15	0.21	0.22
		COPd (declared COP)			8.04	8.03	7.89	7.35	7.25
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				
	Thermostat-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				

2 Specifications

1 - 1 RXJ-A

Technical specifications					FTXJ20AB + RXJ20A	FTXJ25AB + RXJ25A	FTXJ35AB + RXJ35A	FTXJ42AB + RXJ42A	FTXJ50AB + RXJ50A
Cold season included					No				
Warm season included					Yes				
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	59		61	62	
	Sound power level indoor	Cooling	Nom.	dBA	57			60	
	Piping length	Cooling	Measuring condition	m	5.00				

Electrical specifications				FTXJ20AB + RXJ20A	FTXJ25AB + RXJ25A	FTXJ35AB + RXJ35A	FTXJ42AB + RXJ42A	FTXJ50AB + RXJ50A
Power factor	Nominal	Cooling	%	93.48	93.65	96.89	93.17	93.86
		Heating	%	90.58	93.65	97.83	93.37	90.06
Current	Nominal running current (RLA) - 50Hz	Heating	A	2.40	2.60	4.40	6.10	7.00
Current - 50Hz	Maximum fuse amps (MFA)		A	10.00	13.00			
Current	Nominal running current (RLA)	Cooling	A	2.00	2.60	3.50	4.90	6.30

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

Technical Specifications					RXJ20A	RXJ25A	RXJ35A	RXJ42A	RXJ50A
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	33			49	
	Packed unit			kg	35			53	
Packing	Weight			kg	2			4	
Heat exchanger	Length			mm	805			920	
	Rows	Quantity			2				
	Fin pitch			mm	1.40				
	Stages	Quantity			24			32	
	Passes	Quantity			3.1			2.2	
	Tube type				ø7 Hi-XD				
	Fin type				Waffle fin (PE)				
Fan	Type				Propeller fan				
	Air flow rate	Cooling		m^3/min	34.0		36.0	46.6	
			Nom.	cfm	1201		1271	1645	
		Heating		m^3/min	28.3			42.2	
			Nom.	cfm	999			1490	
Fan motor	Model				DFC05A3VA			D55F-31	
	Output			W	50			55	
	Speed	Cooling	High	rpm	920			760	
			Nom.	rpm	860		920	760	
			Low	rpm	430			640	
		Heating	High	rpm	860			720	
			Nom.	rpm	800			690	
			Low	rpm	400			500	
Compressor	Model				1YC25GXD#D			2YC40JXD#C	
	Oil Amount			cm^3	375			650	
	Type				Hermetically sealed swing compressor				
	Output			W	800			1,300	
	Oil Type				FW68DA				
Operation range	Cooling	Ambient	Min.	°CDB	-10				
			Max.	°CDB	50				
	Heating	Ambient		°CWB	-21				
			Min.	°CDB	-20				
				°CWB	18				
			Max.	°CDB	24				

2 Specifications

1 - 1 RXJ-A

Technical Specifications					RXJ20A	RXJ25A	RXJ35A	RXJ42A	RXJ50A
Sound power level	Cooling	Max		dBA	60		61	63	
		Nom.		dBA	59		61	62	
		Night quiet mode		dBA	57			58	
		Tonal adjustment		dBA	0				
	Heating	Max		dBA	60		61	63	
		Nom.		dBA	59		61	62	
		Night quiet mode		dBA	57			58	
		Tonal adjustment		dBA	0				
Sound power level - Low sound mode (Stb. 2020, 189)	Cooling	Max.		dBA	59		60		
		Night quiet mode		dBA	55				
		Tonal adjustment		dBA	0				
	Heating	Max.		dBA	59		60		
		Night quiet mode		dBA	55				
		Tonal adjustment		dBA	0				
Sound pressure level	Cooling	Nom.		dBA	46		49	48	
	Heating	Nom.		dBA	47		49	48	49
Refrigerant	Type				R-32				
	Charge			kg	0.76			1.10	
				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			10	
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)				
	Level difference	OU-IU	Max.	m	15			20	
	Heat insulation				Both liquid and gas pipes				
Capacity control	Method				Variable (inverter)				

Standard accessories: Drain plug; Quantity: 1

Standard accessories: Refrigerant charge label; Quantity: 1

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

Standard accessories: Installation manual; Quantity: 1

Standard accessories: General safety precautions; Quantity: 1

Standard accessories: LOT10 Energy Labe; Quantity: 1

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

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

3 Electrical data

3 - 1 Electrical Data

RXJ-A

Unit combination restrictions / Model name		Power supply					Compressor		Outdoor fan motor		Indoor fan motor	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RXJ20A5V1B	FTXJ20A2V1BW	50	220	Maximum ·50·Hz ·264·V	8,86	10	30	2,0	0,048	0,32	0,026	0,23
	FTXJ20A2V1BB	50	230					1,9	0,048		0,026	
	FTXJ20A2V1BS	50	240	Minimum ·50·Hz ·198·V				1,8	0,048		0,026	
RXJ25A5V1B	FTXJ25A2V1BW	50	220	Maximum ·50·Hz ·264·V	9,69	13	39	2,5	0,048	0,32	0,027	0,24
	FTXJ25A2V1BB	50	230					2,4	0,048		0,027	
	FTXJ25A2V1BS	50	240	Minimum ·50·Hz ·198·V				2,3	0,048		0,027	
RXJ35A5V1B	FTXJ35A2V1BW	50	220	Maximum ·50·Hz ·264·V	9,70	13	59	3,7	0,048	0,32	0,029	0,25
	FTXJ35A2V1BB	50	230					3,5	0,048		0,029	
	FTXJ20A2V1BS	50	240	Minimum ·50·Hz ·198·V				3,4	0,048		0,029	
RXJ42A2V1B	FTXJ42A2V1BW	50	220	Maximum ·50·Hz ·264·V	11,22	13	52	5,1	0,056	0,37	0,044	0,33
	FTXJ42A2V1BB	50	230					4,9	0,056		0,044	
	FTXJ42A2V1BS	50	240	Minimum ·50·Hz ·198·V				4,7	0,056		0,044	
RXJ50A2V1B	FTXJ50A2V1BW	50	220	Maximum ·50·Hz ·264·V	11,24	13	66	6,6	0,056	0,37	0,047	0,35
	FTXJ50A2V1BB	50	230					6,3	0,056		0,047	
	FTXJ50A2V1BS	50	240	Minimum ·50·Hz ·198·V				6,0	0,056		0,047	

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.

Symbols
MCA: Minimum Circuit Ampere [A]
MFA: Maximum Fuse Ampere [A]
RLA: Rated load amps [A]
OFM: Outdoor fan motor
MSC: Maximum starting current
FLA: Full Load Ampere [A]
kW: Fan motor rated output [kW]

4D139507

4 Capacity tables

4 - 1 Cooling Capacity Tables

FTXJ20A(B_S_W) / RXJ20A

Cooling ·50Hz 220 –240V·

AFR	11
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.

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FTXJ25A(B_S_W) / RXJ25A

Cooling ·50Hz 220 –240V·

AFR	11,4
BF	0,18

Indoor air temperature		Outdoor temperature [° C DB]																	
		20			25			30			32			35			40		
[° C WB]	[° C DB]	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	2,56	2,14	0,43	2,44	2,13	0,47	2,33	2,13	0,51	2,28	2,13	0,53	2,21	2,14	0,55	2,10	2,10	0,60
16	22	2,68	2,02	0,43	2,56	1,99	0,47	2,44	1,98	0,52	2,40	1,98	0,53	2,33	1,98	0,56	2,21	1,99	0,60
18	25	2,79	2,18	0,43	2,68	2,18	0,48	2,56	2,19	0,52	2,51	2,20	0,53	2,44	2,22	0,56	2,33	2,33	0,60
19	27	2,85	2,46	0,44	2,73	2,50	0,48	2,62	2,62	0,52	2,57	2,57	0,54	2,50	2,50	0,56	2,38	2,38	0,60
22	30	3,02	2,16	0,44	2,91	2,17	0,48	2,79	2,20	0,52	2,74	2,21	0,54	2,67	2,24	0,56	2,56	2,31	0,61
24	32	3,14	1,99	0,44	3,02	1,99	0,48	2,90	2,00	0,53	2,86	2,01	0,54	2,79	2,02	0,57	2,67	2,07	0,61

Heating ·50Hz 220 –240V·

AFR	11,3

Indoor air temperature	Outdoor temperature [° C WB]											
	–15		–10		–5		0		6		10	
[° C DB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	1,33	0,36	1,60	0,38	1,87	0,40	2,09	0,52	2,90	0,55	3,15	0,57
20	1,25	0,37	1,52	0,39	1,79	0,41	1,98	0,53	2,80	0,56	3,05	0,58
22	1,22	0,37	1,49	0,40	1,76	0,42	1,95	0,53	2,76	0,57	3,01	0,59
24	1,19	0,38	1,45	0,40	1,72	0,42	1,92	0,54	2,72	0,57	2,98	0,59
25	1,17	0,38	1,44	0,40	1,71	0,42	1,90	0,54	2,70	0,57	2,96	0,59
27	1,14	0,39	1,41	0,41	1,67	0,42	1,88	0,55	2,66	0,58	2,92	0,60

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

Indoor air temperature	Outdoor temperature [° C WB]													
	–20		–15		–10		–5		0		6		10	
[° C DB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20	1,50	0,63	2,42	0,93	2,97	1,00	3,09	1,08	3,56	1,16	4,70	1,26	5,13	1,32

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

Symbols

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

Notes

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

4D139748

4 Capacity tables

4 - 1 Cooling Capacity Tables

FTXJ35A(B_S_W) / RXJ35A

AFR	11,8
BF	0,12

Cooling ·50Hz 220 ~240V·

Indoor air temperature		Outdoor temperature [° C DB]																	
		20			25			30			32			35			40		
[° C WB]	[° C DB]	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	3,48	2,66	0,60	3,33	2,61	0,65	3,17	2,57	0,71	3,10	2,56	0,73	3,01	2,55	0,77	2,85	2,54	0,83
16	22	3,64	2,53	0,60	3,48	2,48	0,66	3,32	2,43	0,72	3,26	2,42	0,74	3,17	2,40	0,77	3,01	2,37	0,83
18	25	3,80	2,67	0,60	3,64	2,63	0,66	3,48	2,61	0,72	3,42	2,60	0,74	3,32	2,59	0,78	3,16	2,60	0,83
19	27	3,87	2,91	0,61	3,72	2,90	0,66	3,56	2,90	0,72	3,49	2,91	0,74	3,40	2,93	0,78	3,24	2,98	0,84
22	30	4,11	2,62	0,61	3,95	2,59	0,67	3,79	2,58	0,73	3,73	2,57	0,75	3,63	2,57	0,78	3,48	2,59	0,84
24	32	4,27	2,45	0,61	4,11	2,41	0,67	3,95	2,39	0,73	3,89	2,38	0,75	3,79	2,38	0,79	3,63	2,37	0,84

AFR	11,7

Heating ·50Hz 220 ~240V·

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.

4D139749

FTXJ42A(B_S_W) / RXJ42A

AFR	13.0
BF	0,19

Cooling ·50Hz 220 ~240V·

Indoor air temperature		Outdoor temperature [° C DB]																	
		20			25			30			32			35			40		
[° C WB]	[° C DB]	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	4,11	3,13	0,81	4,11	3,05	0,89	3,91	2,98	0,96	3,83	2,96	0,99	3,72	2,92	1,04	3,52	2,87	1,12
16	22	4,50	3,00	0,81	4,30	2,92	0,89	4,11	2,84	0,97	4,03	2,81	1,00	3,91	2,78	1,05	3,71	2,72	1,12
18	25	4,69	3,12	0,82	4,49	3,06	0,89	4,30	3,00	0,97	4,22	2,98	1,00	4,10	2,95	1,05	3,91	2,92	1,13
19	27	4,79	3,33	0,82	4,59	3,29	0,90	4,40	3,26	0,97	4,32	3,25	1,01	4,20	3,24	1,05	4,00	3,24	1,13
22	30	5,08	3,05	0,83	4,88	2,99	0,90	4,69	2,95	0,98	4,61	2,93	1,01	4,49	2,91	1,06	4,29	2,88	1,14
24	32	5,27	2,87	0,83	5,07	2,81	0,91	4,88	2,76	0,99	4,80	2,74	1,02	4,68	2,72	1,06	4,49	2,68	1,14

AFR	14,4

Heating ·50Hz 220 ~240V·

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 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.

4D139750

4 Capacity tables

4 - 1 Cooling Capacity Tables

FTXJ50A(B_S_W) / RXJ50A

Cooling ·50Hz 220 –240V·

AFR	13,5
BF	0,23

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

Heating ·50Hz 220 –240V·

AFR	15.0

Indoor air temperature	Outdoor temperature [° C WB]											
	–15		–10		–5		0		6		10	
[° C DB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	2,76	0,93	3,32	0,98	3,88	1,03	4,03	1,35	6,00	1,42	6,52	1,47
20	2,59	0,96	3,15	1,01	3,71	1,05	3,88	1,38	5,80	1,45	6,32	1,50
22	2,52	0,97	3,08	1,02	3,64	1,07	3,81	1,39	5,72	1,46	6,24	1,51
24	2,46	0,98	3,01	1,03	3,57	1,08	3,75	1,40	5,64	1,48	6,16	1,52
25	2,42	0,99	2,98	1,03	3,54	1,08	3,68	1,41	5,60	1,48	6,12	1,53
27	2,35	1,00	2,91	1,04	3,47	1,09	3,62	1,42	5,52	1,50	6,04	1,54

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

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

Heating 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

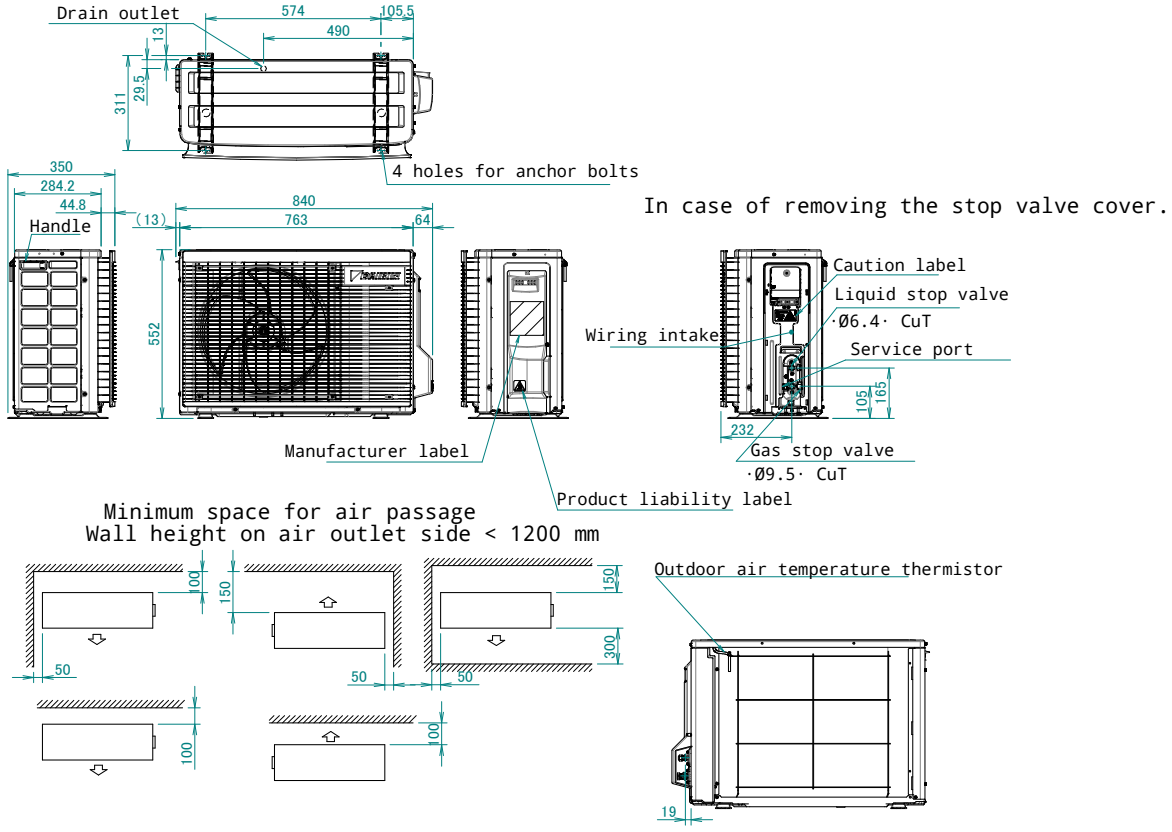
1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. ☐ Nominal capacity and nominal input
3. The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used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

4D139752

5 Dimensional drawings

5 - 1 Dimensional Drawings

RXJ20-35A



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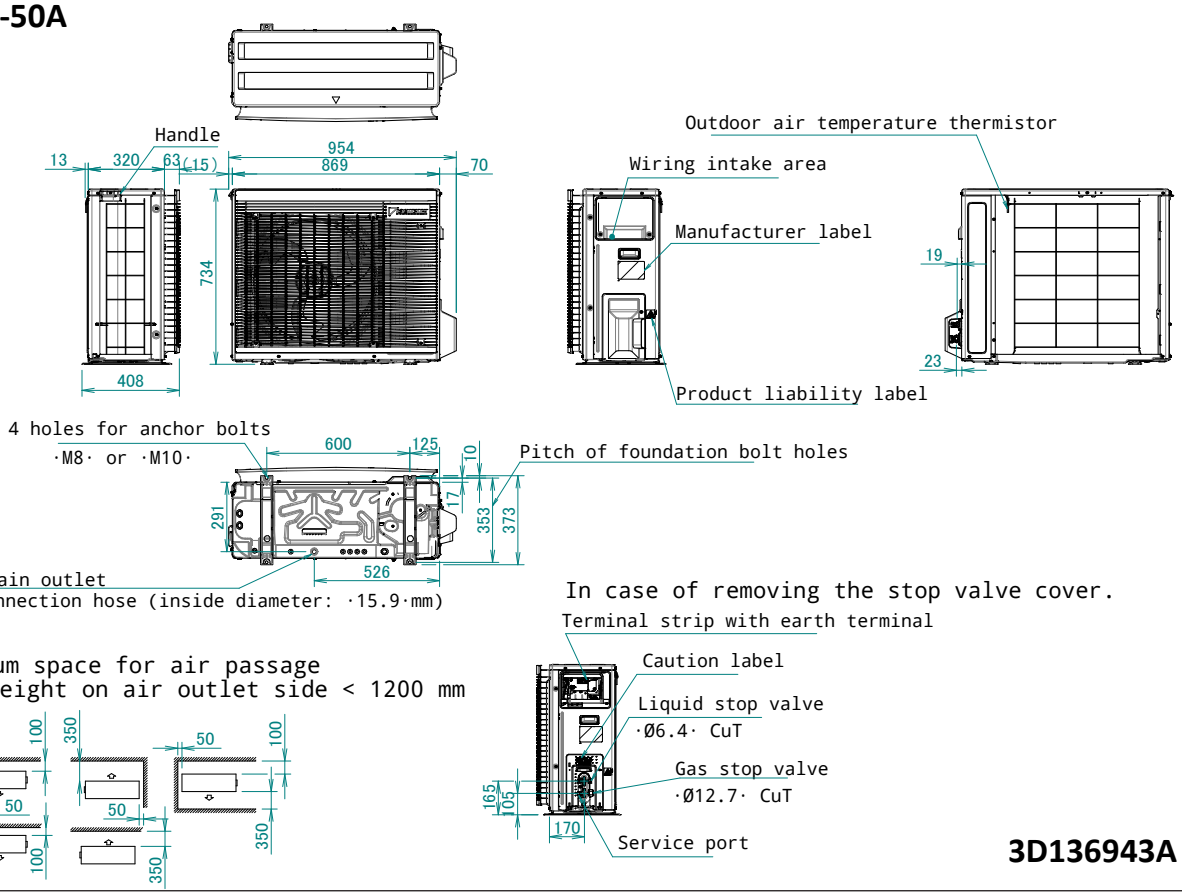
RXJ42-50A



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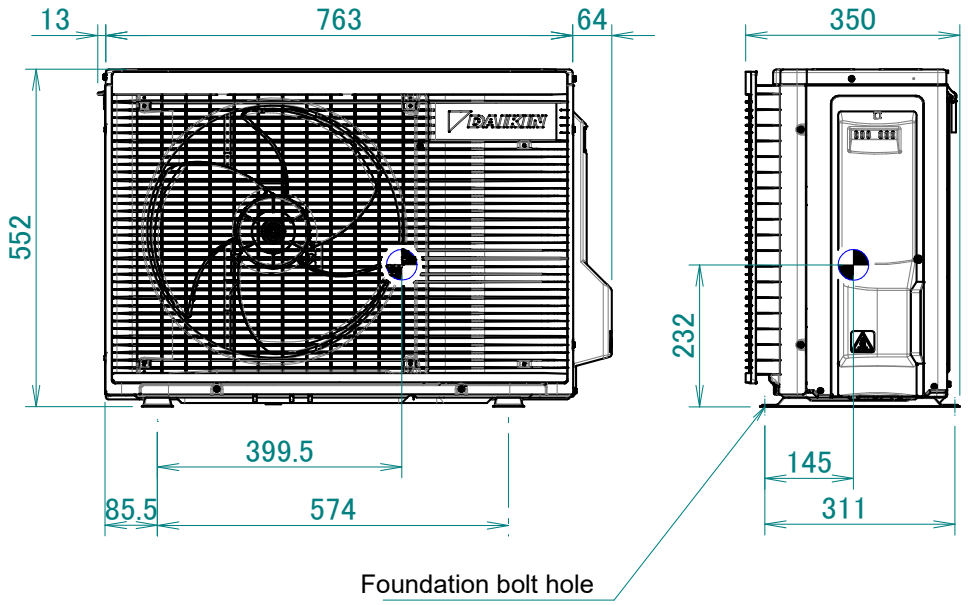
6 Centre of gravity

6 - 1 Centre of Gravity

RXJ20-35A



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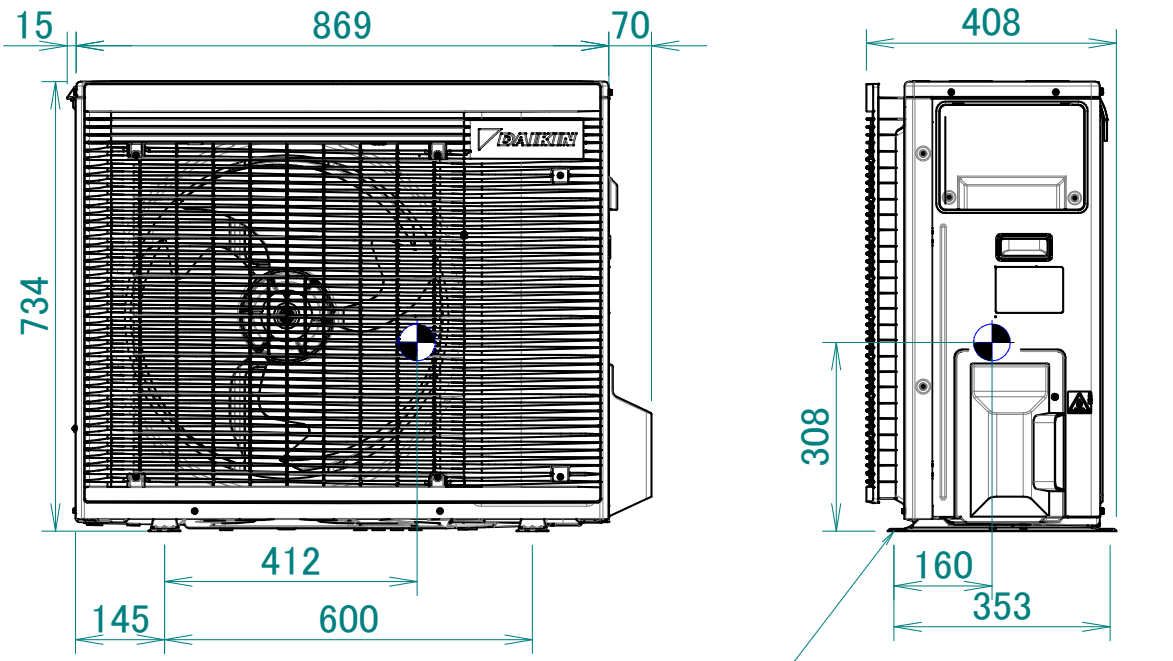
RXJ42-50A



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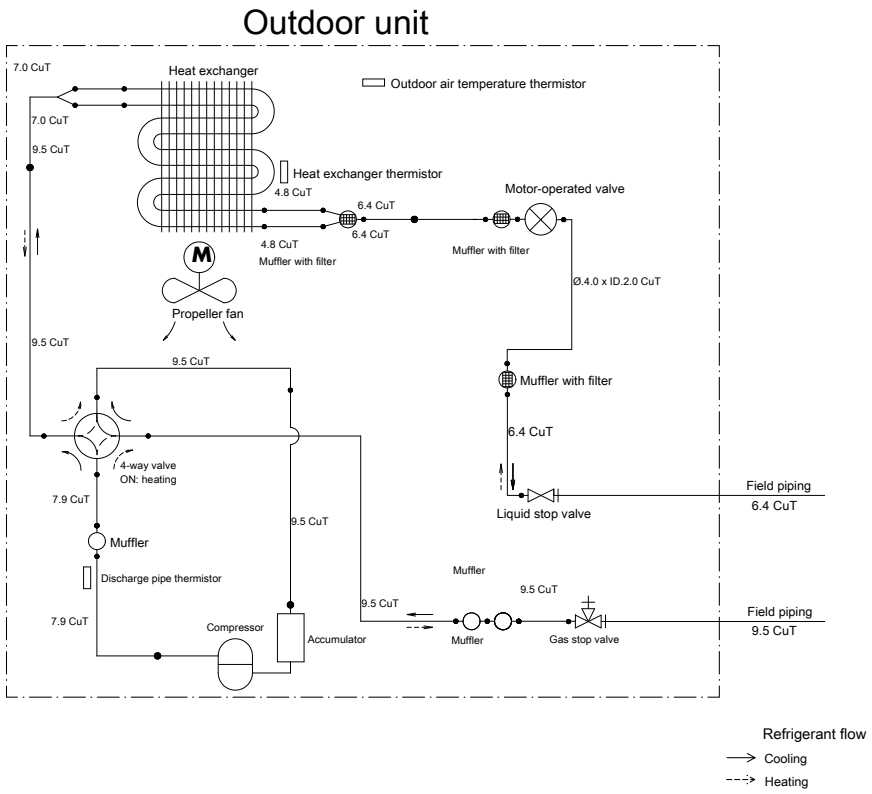
7 Piping diagrams

7 - 1 Piping Diagrams

RXJ20-35A



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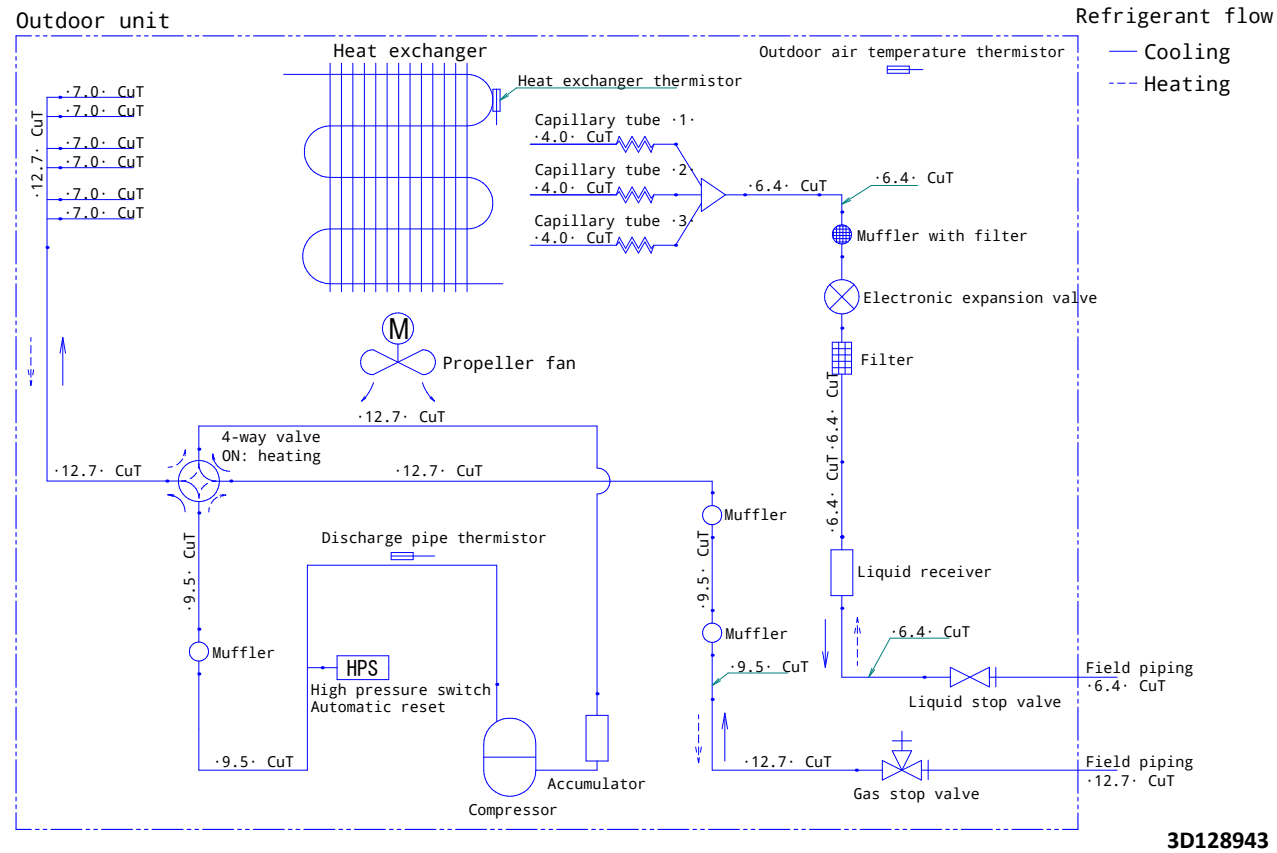
RXJ42-50A



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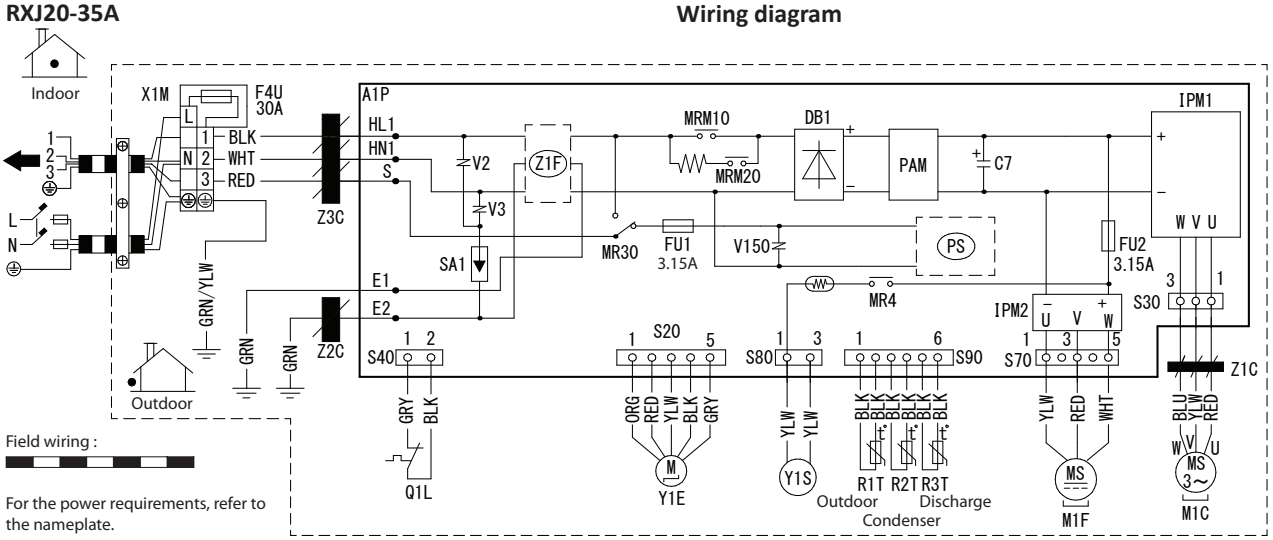
8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

8

RXJ20-35A

Wiring diagram



Field wiring :

For the power requirements, refer to the nameplate.

Wire colors

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

C7	Capacitor
DB1	Diode bridge
IPM1, IPM2	Intelligent power module
L	Live
M1C	Compressor motor
M1F	Fan motor
N	Neutral
PAM	Pulse-amplitude modulation
A1P	Printed circuit board
PS	Switching power supply
Q1L	Overload protector
SA1	Surge arrester
X1M	Terminal strip

Y1E	Electronic expansion valve coil
Y1S	Reversing solenoid valve coil
FU1, FU2, F4U	Fuse
MR4, MR30, MRM10, MRM20	Magnetic relay
R1T, R2T, R3T	Thermistor
S20, S30, S40, S70, S80, S90	Connector
V2, V3, V150	Varistor
Z1C, Z2C, Z3C	Ferrite core
Z1F	Noise filter
⏚	Protective earth
⏚	Earth

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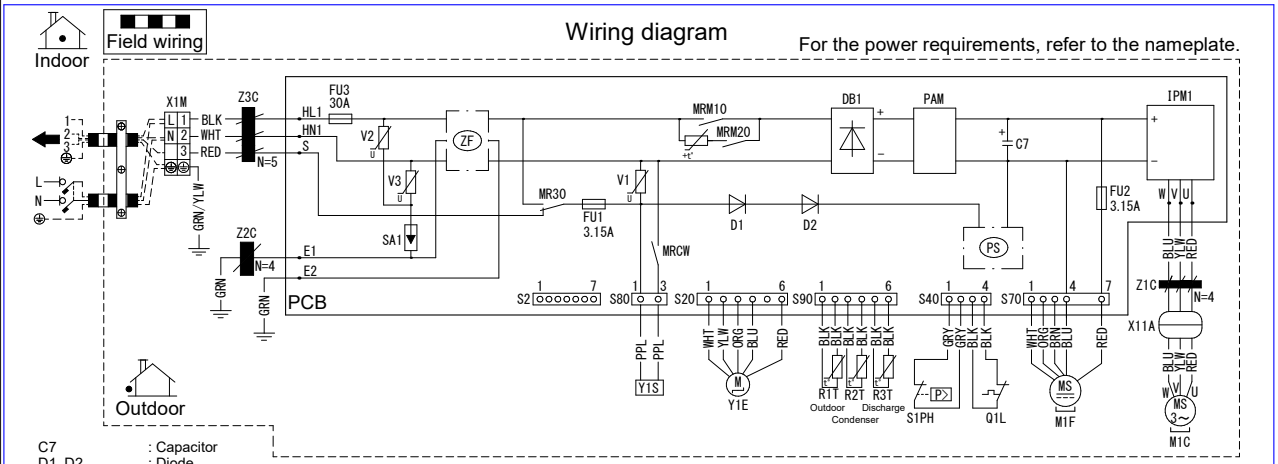
RXJ42-50A



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

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

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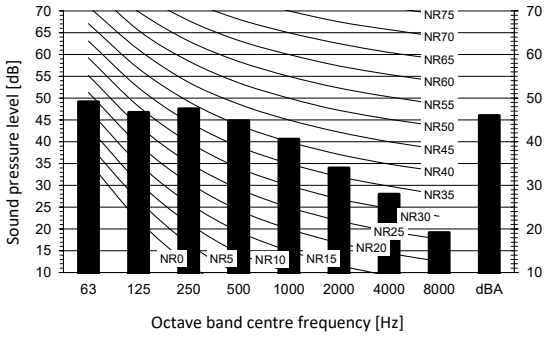
9 Sound data

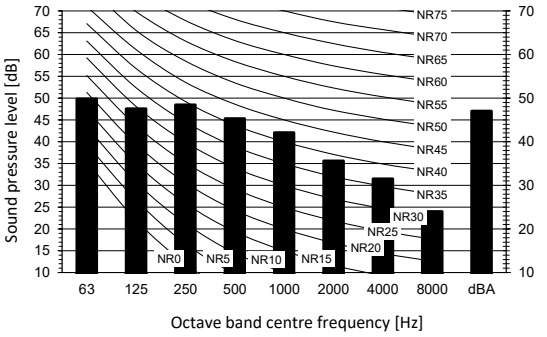
9 - 1 Sound Pressure Spectrum

RXJ20A

Cooling mode



Heating mode



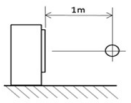
Legend

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

A Scale

B ■ Fan speed: High

Location of microphone



Cooling Total dB

A	B
dBA	46

Heating Total dB

A	B
dBA	47

Notes

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

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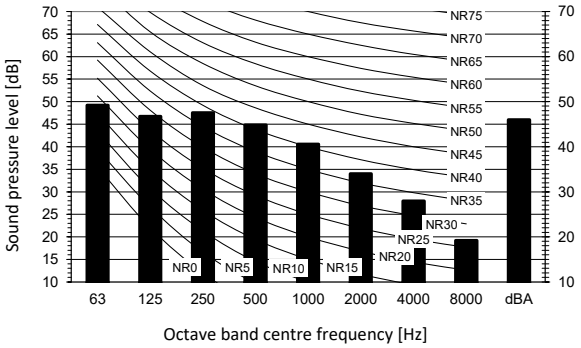
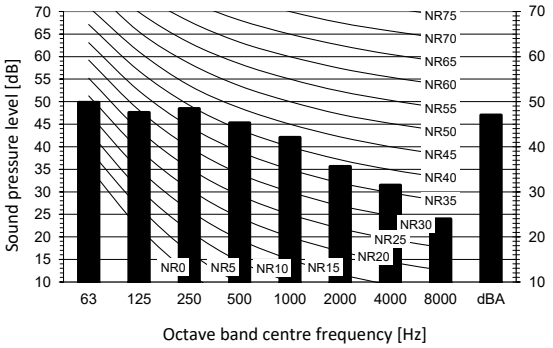
RXJ25A

Cooling mode



Heating mode



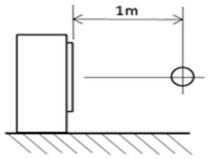
Legend

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

A Scale

B ■ Fan speed: High

Location of microphone



Cooling Total dB

A	B
dBA	46

Heating Total dB

A	B
dBA	47

Notes

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

4D139649

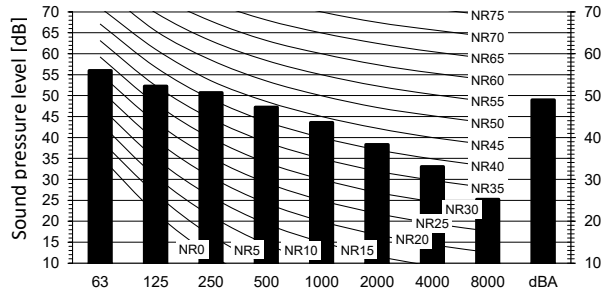
9 Sound data

9 - 1 Sound Pressure Spectrum

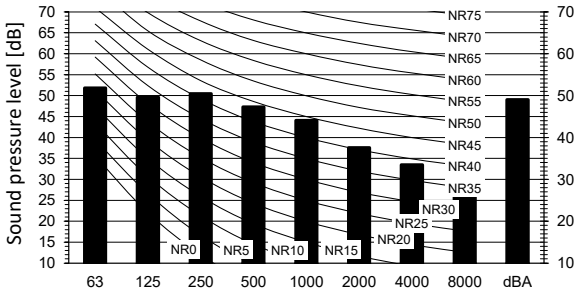
9

RXJ35A

Cooling mode



Heating mode



Legend

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

A Scale

B ■ Fan speed: High

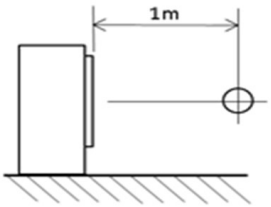
Cooling Total dB

A	B
dBA	49

Heating Total dB

A	B
dBA	49

Location of microphone



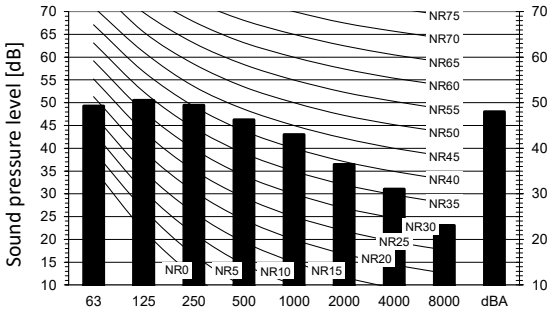
Notes

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

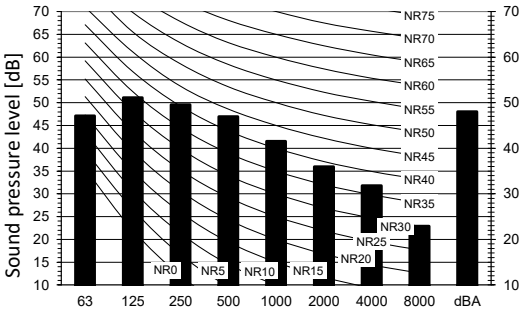
4D139651

RXJ42A

Cooling mode



Heating mode



Legend

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

A Scale

B ■ Fan speed: High

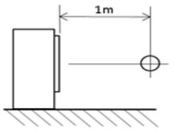
Cooling Total dB

A	B
dBA	48

Heating Total dB

A	B
dBA	48

Location of microphone



Notes

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

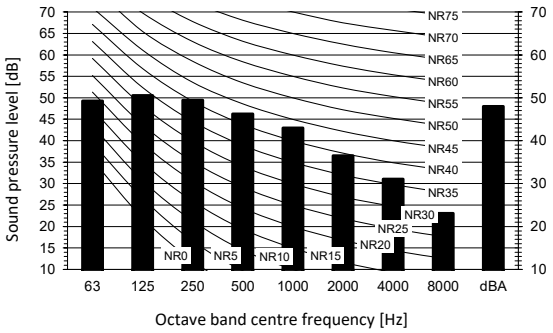
4D139653

9 Sound data

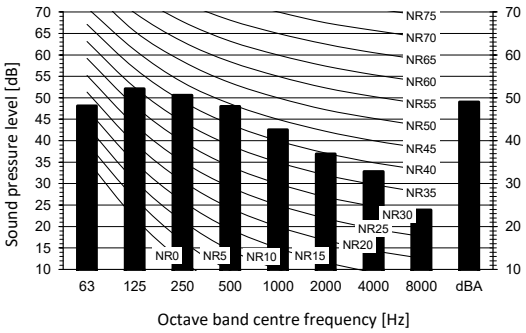
9 - 1 Sound Pressure Spectrum

RXJ50A

Cooling mode



Heating mode



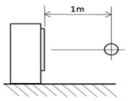
Legend

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

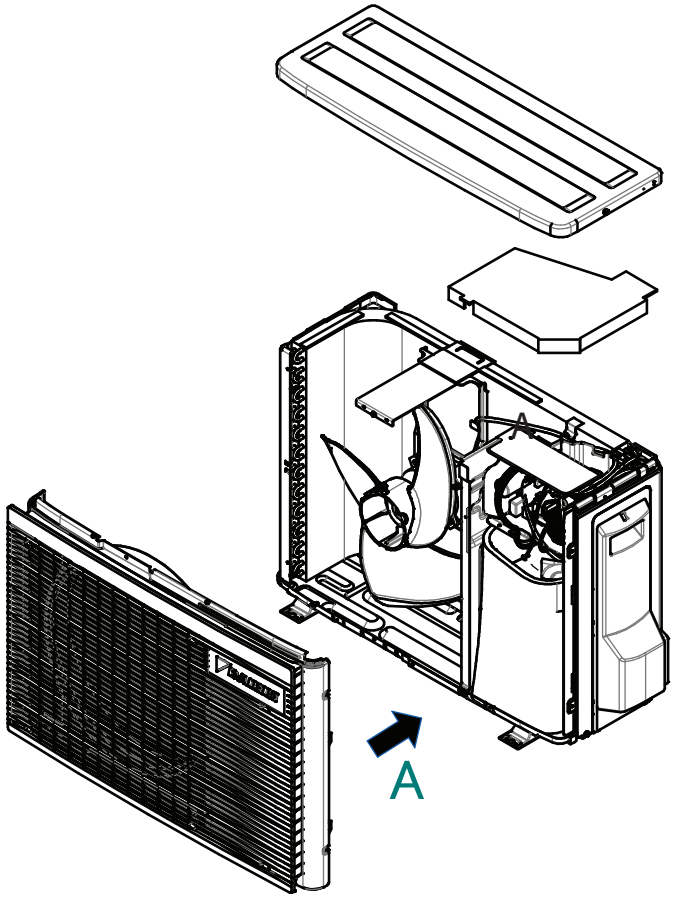
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic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

4D139655

10 Installation

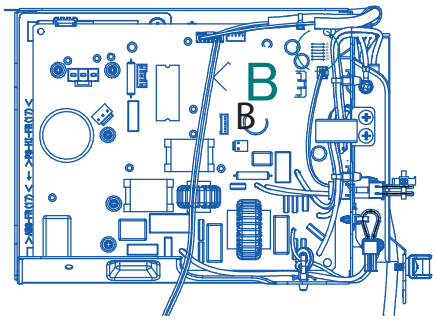
10 - 1 Installation Method

RXJ20-35A

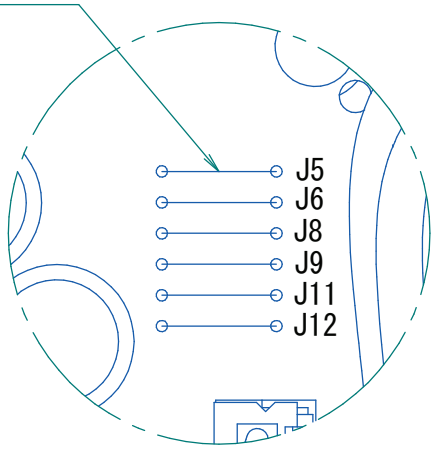


Disassembly of unit

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



Arrow view A
El. Compo. Assy



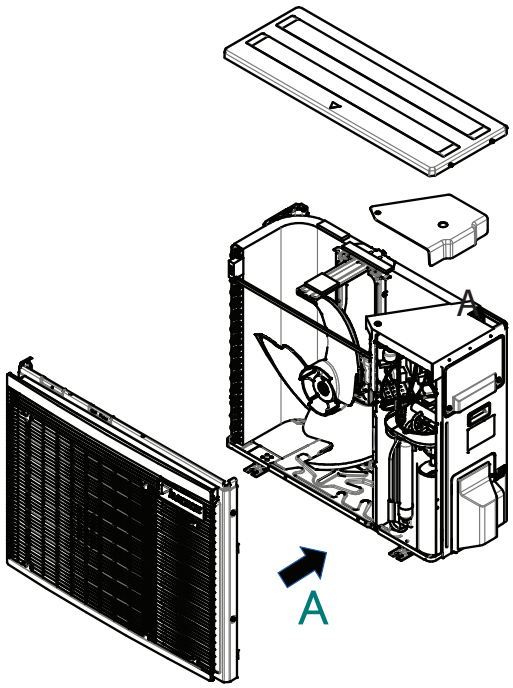
Detail B

4D139785

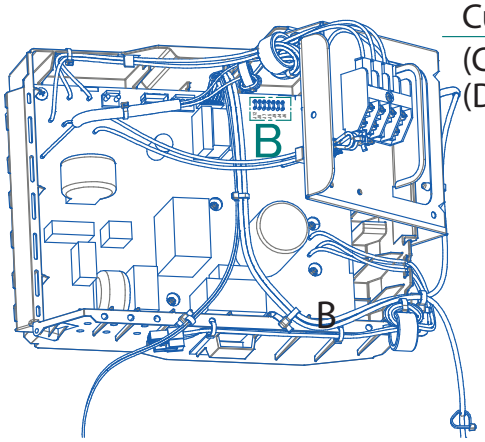
10 Installation

10 - 1 Installation Method

RXJ42-50A

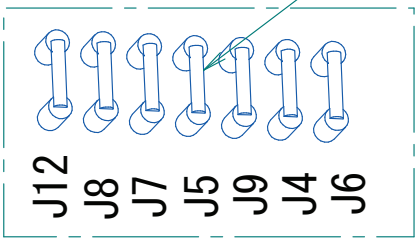


Disassembly of unit



Arrow view A
El. Compo. Assy

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



Detail B

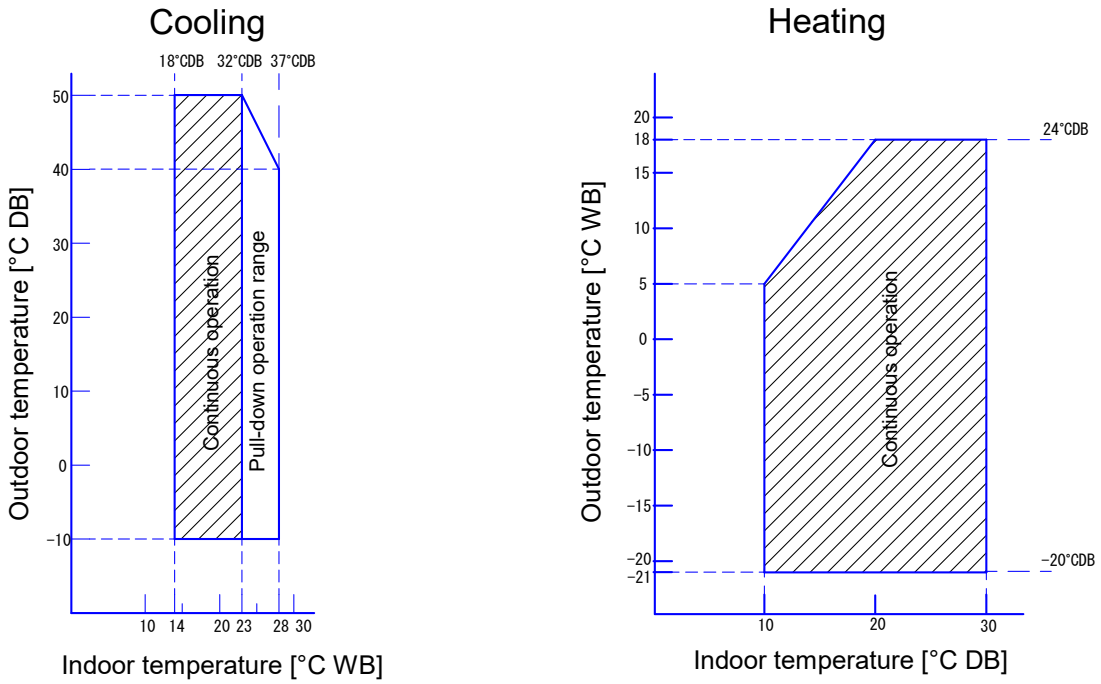
4D139857

11 Operation range

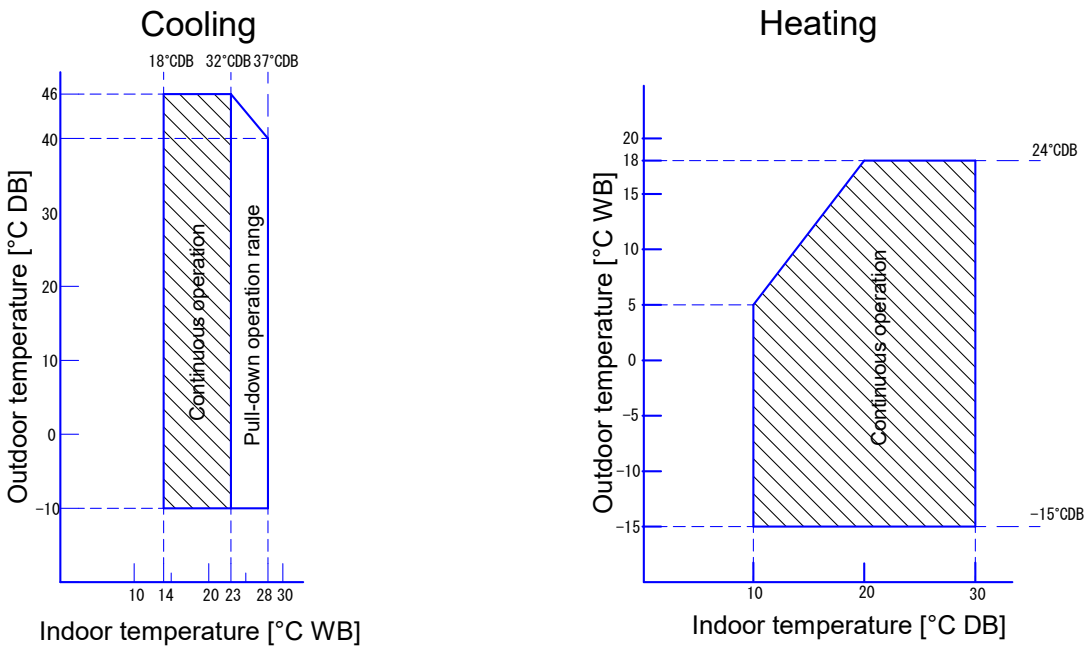
11 - 1 Operation Range

11

RXJ-A



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



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

Notes

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

3D139548

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

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