



Air Conditioning Technical Data RXP-N9



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RXP-N9

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1 Features

1 - 1 RXP-N9

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



2 Specifications

2 - 1 Specifications

Technical specifications				FTXP20M9 + RXP20N9	FTXP25M9 + RXP25N9	FTXP35M9 + RXP35N9
Indoor unit				FTXP20MSV1B9	FTXP25MSV1B9	FTXP35MSV1B9
Outdoor unit				RXP20N5V1B9	RXP25N5V1B9	RXP35N5V1B9
Cooling capacity	Min.		kW	1.3		
	Min.		Btu/h	4,435.8		
	Min.		kcal/h	1,117.8		
	Nom.		kW	2.00	2.50	3.50
	Nom.		Btu/h	6,824.3	8,530.4	11,943
	Nom.		kcal/h	1,719.7	2,149.6	3,009.5
	Max.		kW	2.6	3.0	4.0
	Max.		Btu/h	8,871.6	10,236.4	13,648.6
	Max.		kcal/h	2,235.6	2,579.5	3,439.4
Heating capacity	Min.		kW	1.30		
	Min.		Btu/h	4,435.8		
	Min.		kcal/h	1,117.8		
	Nom.		kW	2.50	3.00	4.00
	Nom.		Btu/h	8,530.4	10,236	13,649
	Nom.		kcal/h	2,149.6	2,579.5	3,439.4
	Max.		kW	3.50	4.00	4.80
	Max.		Btu/h	11,942.5	13,648.6	16,378.3
	Max.		kcal/h	3,009.5	3,439.4	4,127.3
Power input	Cooling	Min.	kW	0.31		0.29
		Nom.	kW	0.530		1.07
		Max.	kW	0.72		1.30
	Heating	Min.	kW	0.25		0.29
		Nom.	kW	0.520		0.990
		Max.	kW	0.95		1.29
Nominal efficiency	EER			3.75		3.26
	COP			4.77		4.02
	Energy labeling Directive	Cooling		A		
		Heating		A		
Space cooling	Energy efficiency class			A++		
	Capacity	Pdesign	kW	2.00	2.50	3.50
	SEER			7.20		
	Annual energy consumption			97		
	kWh/a			121		
Space heating (Average climate)	Capacity	Pdesign	kW	2.20	2.40	2.80
	Energy efficiency class			A++		
Space heating (Average climate)	SCOP/A			4.65		
	SCOPnet/A			4.68		
	PdH Heating capacity at -10°			1.99		
	kW			2.09		
	Annual energy consumption			663		
	kWh/a			728		
Space heating (Warm climate)	Required back up heating cap at design conditions			0.210		
	kW			0.310		
	Capacity	Pdesignh	kW	1.18	1.29	1.51
	Energy efficiency class			A+++		
	SCOP			5.44		
	5.55			5.76		
	SCOPnet			5.61		
	5.71			5.91		
	Annual energy consumption			303		
	kWh/a			325		
Space cooling	Required back up heating cap at design conditions			0.00		
	A Condition	Pdc	kW	2.00	2.50	3.50
	(35°C - 27/19)	EERd		3.75		3.26
	Power input			0.530		
	kW			0.660		
	B Condition	Pdc	kW	1.47	1.84	2.58
	(30°C - 27/19)	EERd		5.95		5.28
	Power input			0.250		
	kW			0.340		
	C Condition	Pdc	kW	1.23		1.66
	(25°C - 27/19)	EERd		9.50		9.29
	Power input			0.130		
	kW			0.180		
	D Condition	Pdc	kW	1.30		1.44
	(20°C - 27/19)	EERd		12.1		12.5
	Power input			0.110		
	kW			0.120		

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Technical specifications					FTXP20M9 + RXP20N9		FTXP25M9 + RXP25N9		FTXP35M9 + RXP35N9	
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-15					
	TBivalent	Tbiv (bivalent temperature)		°C	-7.0					
		Pdh (declared heating cap)		kW	1.95		2.12		2.48	
		COPd (declared COP)			3.30		3.22		3.23	
		Power input		kW	0.590		0.660		0.770	
	A Condition (-7°C)	Pdh (declared heating cap)		kW	1.95		2.12		2.48	
		COPd (declared COP)			3.30		3.22		3.23	
		Power input		kW	0.590		0.660		0.770	
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.18		1.29		1.51	
		COPd (declared COP)			4.74		4.63		4.58	
		Power input		kW	0.250		0.280		0.330	
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.910				1.05	
		COPd (declared COP)			5.65		5.63		5.79	
		Power input		kW	0.160				0.180	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.06				1.11	
		COPd (declared COP)			7.13		7.11		7.35	
		Power input		kW	0.150					
	E condition (-10°C)	Pdh (declared heating cap)		kW	2.05				2.14	
		COPd (declared COP)			2.00				2.20	
		Power input		kW	1.03				0.970	
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15					
	TBivalent	Tbiv (bivalent temperature)		°C	2					
		Pdh (declared heating cap)		kW	1.18		1.29		1.51	
		COPd (declared COP)			4.74		4.63		4.58	
		Power input		kW	0.250		0.280		0.330	
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.18		1.29		1.51	
		COPd (declared COP)			4.74		4.63		4.58	
		Power input		kW	0.250		0.280		0.330	
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.910				1.05	
		COPd (declared COP)			5.65		5.63		5.79	
		Power input		kW	0.160				0.180	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.06				1.11	
		COPd (declared COP)			7.13		7.11		7.35	
		Power input		kW	0.150					
	E condition (2°C)	Pdh (declared heating cap)		kW	2.05				2.14	
		COPd (declared COP)			2.00				2.20	
		Power input		kW	1.03				0.970	
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0.00					
	Off mode	POFF		W	1.00					
	Standby mode	Cooling	PSB	W	1.00					
		Heating	PSB	W	1.0					
	Thermo-stat-off mode	PTO	Cooling	W	12					
			Heating	W	12					
Cooling	Cdc (Degradation cooling)				0.25					
Heating	Cdh (Degradation heating)				0.25					
Cooling function included					Yes					
Heating function included					Yes					
Average climate included					Yes					
Cold season included					No					
Warm season included					Yes					
Ecolabel logo					No					

Electrical specifications				FTXP20M9 + RXP20N9	FTXP25M9 + RXP25N9	FTXP35M9 + RXP35N9
Current - 50Hz	Maximum fuse amps (MFA)			A	16	

Technical specifications				FTXP20N9 + RXP20N9	FTXP25N9 + RXP25N9	FTXP35N9 + RXP35N9
Indoor unit				FTXP20N5V1B9	FTXP25N5V1B9	FTXP35N5V1B9
Outdoor unit				RXP20N5V1B9	RXP25N5V1B9	RXP35N5V1B9
Cooling capacity	Min.	kW		1.3		
	Min.	Btu/h		4,435.8		
	Min.	kcal/h		1,117.8		
	Nom.	kW		2.00	2.50	3.50
	Nom.	Btu/h		6,824.3	8,530.4	11,943
	Nom.	kcal/h		1,719.7	2,149.6	3,009.5
	Max.	kW		2.6	3.0	4.0
	Max.	Btu/h		8,871.6	10,236.4	13,648.6
	Max.	kcal/h		2,235.6	2,579.5	3,439.4

2 Specifications

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Technical specifications				FTXP20N9 + RXP20N9	FTXP25N9 + RXP25N9	FTXP35N9 + RXP35N9
Heating capacity	Min.		kW		1.30	
	Min.		Btu/h		4,435.8	
	Min.		kcal/h		1,117.8	
	Nom.		kW	2.50	3.00	4.00
	Nom.		Btu/h	8,530.4	10,236	13,649
	Nom.		kcal/h	2,149.6	2,579.5	3,439.4
	Max.		kW	3.50	4.00	4.80
	Max.		Btu/h	11,942.5	13,648.6	16,378.3
	Max.		kcal/h	3,009.5	3,439.4	4,127.3
Power input	Cooling	Min.	kW		0.31	0.29
		Nom.	kW	0.530	0.660	1.01
		Max.	kW		0.72	1.30
	Heating	Min.	kW		0.25	0.29
		Nom.	kW	0.520	0.690	0.990
		Max.	kW		0.95	1.29
Nominal efficiency	EER				3.75	3.48
	COP			4.77	4.36	4.02
	Energy labeling Directive	Cooling			A	
		Heating			A	
Space cooling	Energy efficiency class				A++	
	Capacity	Pdesign	kW	2.00	2.50	3.50
	SEER				7.20	
	Annual energy consumption			97	121	170
Space heating (Average climate)	Capacity	Pdesign	kW	2.20	2.40	2.80
	Energy efficiency class				A++	
Space heating (Average climate)	SCOP/A			4.65	4.61	4.64
	SCOPnet/A			4.68	4.66	4.68
	PdH Heating capacity at -10°			1.99	2.09	2.35
	Annual energy consumption			663	728	845
	Required back up heating cap at design conditions			0.210	0.310	0.450
	Capacity	Pdesignh	kW	1.18	1.29	1.51
Space heating (Warm climate)	Energy efficiency class				A+++	
	SCOP			5.44	5.55	5.76
	SCOPnet			5.61	5.71	5.91
	Annual energy consumption			303	325	367
	Required back up heating cap at design conditions				0.00	
	A Condition Pdc			2.00	2.50	3.50
	(35°C - 27/19) EERd				3.75	3.48
	Power input			0.530	0.660	1.01
Space cooling	B Condition Pdc			1.47	1.84	2.58
	(30°C - 27/19) EERd			6.06	5.51	5.40
	Power input			0.240	0.330	0.480
	C Condition Pdc				1.23	1.66
	(25°C - 27/19) EERd			9.65	9.38	9.30
	Power input				0.130	0.180
	D Condition Pdc				1.30	1.23
	(20°C - 27/19) EERd				11.5	11.2
Space heating (Average climate)	Power input				0.110	
	TOL	Tol (temperature operating limit)		°C		-15
						-7.0
	TBivalent	Tbiv (bivalent temperature)		°C		
	A Condition (-7°C)	PdH (declared heating cap)		kW		1.95
		COPd (declared COP)				3.39
		Power input		kW		0.580
	B Condition (2°C)	PdH (declared heating cap)		kW		1.95
		COPd (declared COP)				3.39
		Power input		kW		0.580
	C Condition (7°C)	PdH (declared heating cap)		kW		1.18
		COPd (declared COP)				4.74
		Power input		kW		0.250
	D Condition (12°C)	PdH (declared heating cap)		kW		
		COPd (declared COP)				0.950
		Power input		kW		5.62
Space heating (Average climate)	E condition (-10°C)	PdH (declared heating cap)		kW		0.170
		COPd (declared COP)				2.05
		Power input		kW		2.00
	F condition (-10°C)	PdH (declared heating cap)		kW		1.03
		COPd (declared COP)				2.00
		Power input		kW		0.970

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Technical specifications					FTXP20N9 + RXP20N9		FTXP25N9 + RXP25N9		FTXP35N9 + RXP35N9	
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15					
	TBivalent	Tbiv (bivalent temperature)		°C	2					
		Pdh (declared heating cap)		kW	1.18		1.29		1.51	
		COPd (declared COP)			4.74		4.67		4.61	
		Power input		kW	0.250		0.280		0.330	
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.18		1.29		1.51	
		COPd (declared COP)			4.74		4.67		4.61	
		Power input		kW	0.250		0.280		0.330	
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.950				0.970	
		COPd (declared COP)			5.62		5.60		6.08	
		Power input		kW	0.170				0.160	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.06		1.09		1.11	
		COPd (declared COP)			7.02		7.00		7.60	
		Power input		kW	0.150		0.160		0.150	
	E condition (2°C)	Pdh (declared heating cap)		kW	2.05				2.14	
		COPd (declared COP)			2.00				2.20	
		Power input		kW	1.03				0.970	
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0.00					
	Off mode	POFF		W	1.00					
	Standby mode	Cooling	PSB	W	1.00					
		Heating	PSB	W	1.0					
	Thermo-stat-off mode	PTO	Cooling	W	12					
			Heating	W	12					
Cooling	Cdc (Degradation cooling)				0.25					
Heating	Cdh (Degradation heating)				0.25					
Cooling function included					Yes					
Heating function included					Yes					
Average climate included					Yes					
Cold season included					No					
Warm season included					Yes					
Ecolabel logo					No					

Electrical specifications				FTXP20N9 + RXP20N9	FTXP25N9 + RXP25N9	FTXP35N9 + RXP35N9
Current - 50Hz	Maximum fuse amps (MFA)			A	16	

Technical specifications				FTXP20N + RXP20N9	FTXP25N + RXP25N9	FTXP35N + RXP35N9	FTXP50N + RXP50N9	FTXP60N + RXP60N9	FTXP71N + RXP71N9
Indoor unit				FTXP20N5V1B	FTXP25N5V1B	FTXP35N5V1B			
Outdoor unit				RXP20N5V1B9	RXP25N5V1B9	RXP35N5V1B9			
Cooling capacity	Min.		kW	1.3			1.7		2.3
	Min.		Btu/h	4,435.8			5,800		7,848
	Min.		kcal/h	1,117.8			1,460		1,976
	Nom.		kW	2.00	2.50	3.50	5	6	7.1
	Nom.		Btu/h	6,824.3	8,530.4	11,943	17,060	20,472	24,225
	Nom.		kcal/h	1,719.7	2,149.6	3,009.5	4,295	5,154	6,099
	Max.		kW	2.6	3.0	4.0	6	7	7.3
	Max.		Btu/h	8,871.6	10,236.4	13,648.6	20,472	23,884	24,908
	Max.		kcal/h	2,235.6	2,579.5	3,439.4	5,154	6,013	6,271
	Max.		kW	1.30			1.7		2.3
Heating capacity	Min.		Btu/h	4,435.8			5,800		7,848
	Min.		kcal/h	1,117.8			1,460		1,976
	Nom.		kW	2.50	3.00	4.00	6	7	8.2
	Nom.		Btu/h	8,530.4	10,236	13,649	20,472	23,884	27,978
	Nom.		kcal/h	2,149.6	2,579.5	3,439.4	5,154	6,013	7,044
	Max.		kW	3.50	4.00	4.80	7.7	8	9
	Max.		Btu/h	11,942.5	13,648.6	16,378.3	26,272	27,296	30,708
	Max.		kcal/h	3,009.5	3,439.4	4,127.3	6,614	6,872	7,731
	Cooling	Min.	kW	0.31		0.29	0.32	0.332	0.449
		Nom.	kW	0.530	0.660	1.07	1.385	1.824	2.689
		Max.	kW		0.72	1.30	1.826	2.98	3.274
Power input	Heating	Min.	kW	0.25		0.29	0.44	0.456	0.617
		Nom.	kW	0.520	0.690	0.990	1.579	1.928	2.571
		Max.	kW		0.95	1.29	2.356	2.787	3.306
	Nominal efficiency	EER		3.75		3.26	3.61	3.29	2.64
		COP		4.77	4.36	4.02	3.8	3.63	3.19
		Annual energy consumption	kWh				693	912	1,345
Energy labeling Directive	Cooling						A		D
	Heating						A		D

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Technical specifications			FTXP20N + RXP20N9	FTXP25N + RXP25N9	FTXP35N + RXP35N9	FTXP50N + RXP50N9	FTXP60N + RXP60N9	FTXP71N + RXP71N9		
Space cooling	Energy efficiency class		A++							
	Capacity	Pdesign	kW	2.00	2.50	3.50	5	6	7.1	
	SEER			7.20			7.3	6.82	6.2	
Annual energy consumption			kWh/a	97	121	170	240	308	401	
Space heating (Average climate)	Capacity	Pdesign	kW	2.20	2.40	2.80	4.6	4.8	6.2	
Space heating (Average climate)	Energy efficiency class		A++			A+				
	SCOP/A		4.65	4.61	4.64	4.4	4.1	4.01		
	SCOPnet/A		4.68	4.66	4.68	4.47	4.16	4.06		
	Pdh Heating capacity at -10°	kW	1.99	2.09	2.35	3.15	3.29	4.24		
	Annual energy consumption	kWh/a	663	728	845	1,463	1,638	2,166		
Required back up heating cap at design conditions			kW	0.210	0.310	0.450	1.05	1.51	1.96	
Space heating (Warm climate)	Capacity	Pdesignh	kW	1.18	1.29	1.51	2.48	2.58	3.34	
	Energy efficiency class		A+++							
	SCOP		5.44	5.55	5.76	5.72	5.21	5.58		
	SCOPnet		5.61	5.71	5.91	5.8	5.28	5.65		
	Annual energy consumption	kWh/a	303	325	367	607	693	838		
Required back up heating cap at design conditions			kW	0.00			0			
Space cooling	A Condition	Pdc	kW	2.00	2.50	3.50	5	6	7.1	
	(35°C - 27/19)	EERd		3.75		3.26	3.61	3.29	2.64	
	Power input		kW	0.530	0.660	1.07	1.39	1.82	2.69	
	B Condition	Pdc	kW	1.47	1.84	2.58	3.68	4.42	5.23	
	(30°C - 27/19)	EERd		5.95	5.43	5.28	5.08	4.82	4.16	
	Power input		kW	0.250	0.340	0.490	0.73	0.92	1.26	
	C Condition	Pdc	kW	1.23		1.66	2.37	2.84	3.36	
	(25°C - 27/19)	EERd		9.50	9.26	9.29	8.9	7.99	8.5	
	Power input		kW	0.130		0.180	0.27	0.36	0.4	
	D Condition	Pdc	kW	1.30		1.44	2.12	2.39	2.6	
	(20°C - 27/19)	EERd		12.1		12.5	13.9	13.5	10.4	
	Power input		kW	0.110		0.120	0.15	0.18	0.25	
	Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-15			-10		
		TBivalent	Tbiv (bivalent temperature)	°C	-7.0			-7		
Pdh (declared heating cap)		kW	1.95	2.12	2.48	4.07	4.25	5.48		
COPd (declared COP)			3.30	3.22	3.23	2.76	2.25	2.26		
Power input		kW	0.590	0.660	0.770	1.47	1.89	2.42		
A Condition		Pdh (declared heating cap)	kW	1.95	2.12	2.48	4.07	4.25	5.48	
(-7°C)		COPd (declared COP)		3.30	3.22	3.23	2.76	2.25	2.26	
Power input		kW	0.590	0.660	0.770	1.47	1.89	2.42		
B Condition		Pdh (declared heating cap)	kW	1.18	1.29	1.51	2.48	2.58	3.34	
(2°C)		COPd (declared COP)		4.74	4.63	4.58	4.46	4.39	4.05	
Power input		kW	0.250	0.280	0.330	0.56	0.59	0.83		
C Condition		Pdh (declared heating cap)	kW	0.910		1.05	1.59	1.66	2.15	
(7°C)		COPd (declared COP)		5.65	5.63	5.79	5.69	5.29	5.5	
Space heating (Average climate)		C Condition	Power input	kW	0.160		0.180	0.28	0.31	0.39
	(7°C)									
	D Condition	Pdh (declared heating cap)	kW	1.06		1.11	1.6	2	2.07	
	(12°C)	COPd (declared COP)		7.13	7.11	7.35	7.11	6.41	7	
	Power input		kW	0.150			0.23	0.31	0.3	
	E condition	Pdh (declared heating cap)	kW	2.05		2.14	3.15	3.29	4.24	
Space heating (Warm climate)	TOL	Tol (temperature operating limit)	°C	-15						
	TBivalent	Tbiv (bivalent temperature)	°C	2						
	Pdh (declared heating cap)		kW	1.18	1.29	1.51	2.48	2.58	3.34	
	COPd (declared COP)			4.74	4.63	4.58	4.46	4.39	4.05	
	Power input		kW	0.250	0.280	0.330	0.56	0.59	0.83	
	B Condition	Pdh (declared heating cap)	kW	1.18	1.29	1.51	2.48	2.58	3.34	
	(2°C)	COPd (declared COP)		4.74	4.63	4.58	4.46	4.39	4.05	
	Power input		kW	0.250	0.280	0.330	0.56	0.59	0.83	
	C Condition	Pdh (declared heating cap)	kW	0.910		1.05	1.59	1.66	2.15	
	(7°C)	COPd (declared COP)		5.65	5.63	5.79	5.69	5.29	5.5	
	Power input		kW	0.160		0.180	0.28	0.31	0.39	
	D Condition	Pdh (declared heating cap)	kW	1.06		1.11	1.6	2	2.07	
	(12°C)	COPd (declared COP)		7.13	7.11	7.35	7.11	6.41	7	
	Power input		kW	0.150			0.23	0.31	0.3	
E condition	Pdh (declared heating cap)	kW	2.05		2.14	3.15	3.29	4.24		
Space heating (Warm climate)	(2°C)	COPd (declared COP)		2.00		2.20	2.39	1.95	1.96	
	Power input		kW	1.03		0.970	1.32	1.69	2.16	

2 Specifications

2 - 1 Specifications

2

Technical specifications					FTXP20N + RXP20N9	FTXP25N + RXP25N9	FTXP35N + RXP35N9	FTXP50N + RXP50N9	FTXP60N + RXP60N9	FTXP71N + RXP71N9
Power consumption in other than active mode	Crankcase heater mode	PCK	W			0.00			0	
	Off mode	POFF	W			1.00			1	
	Standby mode	Cooling	PSB	W		1.00			1	
		Heating	PSB	W		1.0			-	
	Thermo-stat-off mode	PTO	Cooling	W		12		13		15
			Heating	W			12			14
	Cooling	Cdc (Degradation cooling)						0.25		
Heating								0.25		
Cooling function included								Yes		
Heating function included								Yes		
Average climate included								Yes		
Cold season included						No			-	
Warm season included								Yes		
Ecolabel logo						No			-	
Eurovent	Sound power level outdoor	Cooling	Nom.	dBa		-		61	63	66
	Sound power level indoor	Cooling	Nom.	dBa		-		59	60	62
	Piping length	Cooling	Measuring condition	m		-			5	

Electrical specifications				FTXP20N + RXP20N9	FTXP25N + RXP25N9	FTXP35N + RXP35N9	FTXP50N + RXP50N9	FTXP60N + RXP60N9	FTXP71N + RXP71N9
Power factor	Nominal	Cooling	%	-			95.6	99.1	
		Heating	%	-			96.7	99.2	98.9
Current	Nominal running current (RLA) - 50Hz	Heating	A	-			7.1	8.5	11.3
Current - 50Hz	Maximum fuse amps (MFA)		A	16					

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

Technical Specifications					RXP20N9	RXP25N9	RXP35N9	RXP50N9	RXP60N9	RXP71N9
Casing	Colour				Ivory white					
Dimensions	Unit	Height	mm		556			734		
		Width	mm		740			954		
		Depth	mm		343			401		
	Packed unit	Height	mm		630			820		
		Width	mm		790			1,050		
		Depth	mm		400			480		
Weight	Unit		kg		24	26	46	50		
	Packed unit		kg		26	28	50	54		
Packing	Weight		kg		2		4			
Heat exchanger	Length				670	647	943	920		
	Rows	Quantity			1	2	1	2		
	Fin pitch		mm		1.40			1.4		
	Stages	Quantity			24			32		
	Passes	Quantity			1.6	3.1		2.2		
	Tube type				ø7 Hi-XD					
	Tube material				Copper					
	Fin				Waffle Hydrophilic Blue					
	Type				Waffle fin (PE)					
	Type				Propeller					
Fan	Air flow rate	Cooling	High	m³/min	27.6	28.2		-		
				cfm	975	996		-		
		Nom.		m³/min	-		41	45.5		
				cfm	-		1,447	1,608		
	Heating	High		m³/min	27.1	28.0	26.8	-		
				cfm	957	990	946	-		
		Nom.		m³/min	-		43.2	45.3	46.5	
				cfm	-		1,527	1,600	1,643	

2 Specifications

2 - 1 Specifications

Technical Specifications					RXP20N9	RXP25N9	RXP35N9	RXP50N9	RXP60N9	RXP71N9	
Fan motor	Model				DFC03Z1VA			DFC07A1VA			
	Insulation grade				Class "E"			-			
	Output				28			55			
	Speed	Cooling	High	W	760			740	760		
			Nom.	rpm	-			710	740		
			Low	rpm	640			680	740		
		Heating	High	rpm	790	820	760	710	740	760	
			Nom.	rpm	-			710	740	760	
Low			rpm	550			630	660			
Compressor	Model				1Y078BKAX1P#D			2Y147BKBX1P#D			
	Oil Amount				cm ³			400			
	Type				Hermetically sealed swing compressor						
	Output				W			700			
	Oil Type				FW68DA						
Operation range	Cooling	Ambient	Min.	°CDB	-10						
			Max.	°CDB	48						
	Heating	Ambient	Min.	°CWB	-15						
				°CDB	-15						
			Max.	°CWB	18						
				°CDB	24						
Sound power level	Cooling	Nom.		dBA	60.0		62.0	61.0	63.0	66.0	
	Heating	Nom.		dBA	61.0		62.0	61.0	63.0	65.0	
Sound pressure level	Cooling	High		dBA	46		48	-			
		Nom.		dBA	-		47	49	52		
	Heating	High		dBA	47		48	-			
		Nom.		dBA	-		49	52			
Refrigerant	Type				R-32						
	Charge				kg		0.55	0.70	0.9	1.15	
	Charge				tCO2Eq		0.37	0.48	0.61	0.78	
	GWP				675.0			675			
Piping connections	Liquid	OD		mm	6.4			12.7			
	Gas	OD		mm	9.5			16			
	Drain	OD		mm	18			30			
	Piping length	OU - IU	Max.	m	20			0.02 (for piping length exceeding 10m)			
	Additional refrigerant charge				kg/m		12				
	Level difference	IU - OU	Max.	m	12			20			
	Heat insulation				-			Both liquid and gas pipes			
	Capacity control	Method				Variable (inverter)					

Standard accessories: Installation manual;Quantity: 1;

Standard accessories: Refrigerant charge label;Quantity: 1;

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

Standard accessories: General safety precautions;Quantity: 1;

Standard accessories: Drain plug;Quantity: 1;

Standard accessories: Drain cap (1);Quantity: 6;

Standard accessories: Drain cap (2);Quantity: 3;

Electrical Specifications				RXP20N9	RXP25N9	RXP35N9	RXP50N9	RXP60N9	RXP71N9
Power supply	Phase			1~					
	Frequency			50					
	Voltage			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	16					

See separate drawing for operation range |

See separate drawing for electrical data |

Contains fluorinated greenhouse gases

3 Electrical data

3 - 1 Electrical Data

ARXP20-35N9

RXP20-35N9

3

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Indoor unit	Outdoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
FTXP20N5V1B9	RXP20N5V1B9	50	220	Maximum ·50-Hz ·264-V Minimum ·50-Hz ·198-V	7,99	16	40,0	2,5	0,024	0,17	0,021	0,30
		50	230					2,4				
		50	240					2,3				
FTXP25N5V1B9	RXP25N5V1B9	50	220	Maximum ·50-Hz ·264-V Minimum ·50-Hz ·198-V	7,99	16	48,0	2,7	0,024	0,17	0,023	0,33
		50	230					2,6				
		50	240					2,5				
FTXP35N5V1B9	RXP35N5V1B9	50	220	Maximum ·50-Hz ·264-V Minimum ·50-Hz ·198-V	9,20	16	76,0	4,2	0,021	0,16	0,032	0,39
		50	230					4,0				
		50	240					3,9				
ATXP20N5V1B9	ARXP20N5V1B9	50	220	Maximum ·50-Hz ·264-V Minimum ·50-Hz ·198-V	7,99	16	40,0	2,8	0,024	0,17	0,019	0,27
		50	230					2,7				
		50	240					2,6				
ATXP25N5V1B9	ARXP25N5V1B9	50	220	Maximum ·50-Hz ·264-V Minimum ·50-Hz ·198-V	7,99	16	49,0	2,9	0,024	0,17	0,020	0,28
		50	230					2,8				
		50	240					2,7				
ATXP35N5V1B9	ARXP35N5V1B9	50	220	Maximum ·50-Hz ·264-V Minimum ·50-Hz ·198-V	9,20	16	76,0	4,2	0,021	0,16	0,032	0,39
		50	230					4,0				
		50	240					3,9				

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
IFM: Indoor fan motor
RHz: Rated operating frequency [Hz]
FLA: Full Load Ampere [A]
kW: Fan motor rated output [kW]

3D149000

RXP50-71N9

Unit combination restrictions		Power supply						OFM		IFM	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RLA	kW	FLA	kW	FLA
RXP50N5V1B9	FTXP50N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.13	16	6.5	0.066	0.83	0.045	0.43
		50	230				6.3				
		50	240				6.1				
RXP60N5V1B9	FTXP60N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.16	16	8.1	0.066	0.83	0.049	0.46
		50	230				8.0				
		50	240				7.9				
RXP71N5V1B9	FTXP71N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.16	16	11.9	0.066	0.83	0.049	0.46
		50	230				11.8				
		50	240				11.7				

Symbols

- MCA: Minimum Circuit Amperes [A]
MFA: Maximum Fuse Amperes [A]
COMP: Compressor
RHz: Rated operating frequency [Hz]
RLA: Rated Load Amperes [A]
OFM: Outdoor fan motor
IFM: Indoor fan motor
kW: Fan motor rated output [kW]
FLA: Full Load Amperes [A]
MAX.: Maximum
MIN.: Minimum

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.

4D151787

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXP20N9 / RXP20N9

Cooling · 50Hz 220-240V·

AFR	9,6
BF	0,22

Indoor temperature		Outdoor temperature [°C DB]															
EWB	EDB	20				25				30				32			
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC
14	20	2,05	1,87	0,42	1,96	1,83	0,45	1,86	1,79	0,49	1,83	1,77	0,51	1,77	1,74	0,53	1,68
16	22	2,14	1,84	0,42	2,05	1,80	0,46	1,95	1,76	0,49	1,92	1,75	0,51	1,86	1,72	0,53	1,77
18	25	2,23	1,96	0,42	2,14	1,93	0,46	2,05	1,89	0,49	2,01	1,88	0,51	1,95	1,85	0,53	1,86
19	27	2,28	2,10	0,42	2,19	2,07	0,46	2,09	2,03	0,50	2,06	2,02	0,51	2,00	2,00	0,53	1,91
22	30	2,42	2,04	0,42	2,32	2,01	0,46	2,23	1,98	0,50	2,19	1,97	0,51	2,14	1,95	0,54	2,05
24	32	2,51	2,00	0,43	2,42	1,98	0,46	2,32	1,95	0,50	2,29	1,94	0,52	2,23	1,92	0,54	2,14

Heating · 50Hz 220-240V·

AFR	10,6
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Indoor temperature		Outdoor temperature [°C WB]											
EDB	°C	-15		-10		-5		0		6		10	
°C	°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	15	1,19	0,34	1,43	0,35	1,67	0,37	1,92	0,49	2,59	0,51	2,81	0,53
20	20	1,12	0,35	1,36	0,36	1,60	0,38	1,84	0,50	2,50	0,52	2,73	0,54
22	22	1,09	0,35	1,33	0,37	1,57	0,38	1,81	0,50	2,47	0,53	2,69	0,55
24	24	1,06	0,35	1,30	0,37	1,54	0,39	1,78	0,51	2,43	0,53	2,66	0,55
25	25	1,04	0,36	1,28	0,37	1,52	0,39	1,76	0,51	2,41	0,54	2,64	0,55
27	27	1,01	0,36	1,25	0,38	1,49	0,39	1,74	0,51	2,38	0,54	2,61	0,56

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

Indoor temperature		Outdoor temperature [°C WB]											
EDB	°C	-15		-10		-5		0		6		10	
°C	°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20	20	1,89	0,87	2,27	0,89	2,29	0,91	2,61	0,93	3,50	0,95	3,81	0,96

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

Notes

- The bold cells indicate the standard conditions.
- The capacities are based on the following conditions:
Corresponding refrigerant piping length: ·5· m
Level difference: ·0· m
- The air flow rate and bypass factor are mentioned in the table.
- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).

Symbols

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

3D148607

FTXP25N9 / RXP25N9

Cooling · 50Hz 220-240V·

AFR	9,9
BF	0,22

Indoor temperature		Outdoor temperature [°C DB]															
EWB	EDB	20				25				30				32			
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC
14	20	2,56	2,22	0,51	2,44	2,17	0,56	2,33	2,11	0,60	2,28	2,10	0,62	2,21	2,06	0,65	2,10
16	22	2,68	2,19	0,51	2,56	2,13	0,56	2,44	2,08	0,61	2,40	2,06	0,63	2,33	2,03	0,66	2,21
18	25	2,79	2,31	0,51	2,68	2,26	0,56	2,56	2,21	0,61	2,51	2,20	0,63	2,44	2,17	0,66	2,33
19	27	2,85	2,45	0,51	2,73	2,41	0,56	2,62	2,36	0,61	2,57	2,34	0,63	2,50	2,32	0,66	2,38
22	30	3,02	2,38	0,52	2,91	2,34	0,57	2,79	2,30	0,62	2,74	2,28	0,64	2,67	2,26	0,67	2,56
24	32	3,14	2,33	0,52	3,02	2,29	0,56	2,90	2,26	0,63	2,86	2,24	0,64	2,79	2,22	0,67	2,67

Heating · 50Hz 220-240V·

AFR	10,6
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Indoor temperature		Outdoor temperature [°C WB]											
EDB	°C	-15		-10		-5		0		6		10	
°C	°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	15	1,43	0,44	1,72	0,47	2,00	0,49	2,30	0,64	3,10	0,67	3,37	0,70
20	20	1,34	0,46	1,63	0,48	1,92	0,50	2,21	0,65	3,00	0,69	3,27	0,71
22	22	1,31	0,46	1,59	0,48	1,88	0,51	2,17	0,66	2,96	0,69	3,23	0,72
24	24	1,27	0,47	1,56	0,49	1,85	0,51	2,14	0,67	2,92	0,70	3,19	0,72
25	25	1,25	0,47	1,54	0,49	1,83	0,51	2,12	0,67	2,90	0,70	3,17	0,73
27	27	1,22	0,47	1,51	0,50	1,79	0,52	2,09	0,68	2,86	0,71	3,13	0,73

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

Indoor temperature		Outdoor temperature [°C WB]											
EDB	°C	-15		-10		-5		0		6		10	
°C	°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20	20	2,21	1,17	2,63	1,20	2,64	1,23	3,00	1,26	4,00	1,30	4,34	1,32

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

Notes

- The bold cells indicate the standard conditions.
- The capacities are based on the following conditions:
Corresponding refrigerant piping length: ·5· m
Level difference: ·0· m
- The air flow rate and bypass factor are mentioned in the table.
- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).

Symbols

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

3D148609

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXP35N9 / RXP35N9

Cooling · 50Hz 220-240V·

AFR	11,5
BF	0,23

Indoor temperature		Outdoor temperature [°C DB]															
EWB	EDB	20				25				30				32			
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC
14	20	3,59	2,84	0,78	3,42	2,76	0,86	3,26	2,68	0,92	3,19	2,65	0,95	3,10	2,60	1,00	2,93
16	22	3,75	2,80	0,79	3,58	2,72	0,86	3,42	2,64	0,93	3,36	2,62	0,96	3,26	2,57	1,00	3,10
18	25	3,91	2,93	0,79	3,75	2,86	0,87	3,58	2,79	0,93	3,52	2,76	0,96	3,42	2,72	1,01	3,26
19	27	3,99	3,08	0,79	3,83	3,01	0,87	3,66	2,95	0,93	3,60	2,92	0,96	3,50	2,88	1,01	3,34
22	30	4,23	2,98	0,80	4,07	2,92	0,88	3,90	2,86	0,94	3,84	2,84	0,97	3,74	2,80	1,02	3,58
24	32	4,39	2,91	0,81	4,23	2,85	0,88	4,07	2,80	0,95	4,00	2,78	0,98	3,90	2,74	1,02	3,74

Heating · 50Hz 220-240V·

AFR	11,5
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Indoor temperature		Outdoor temperature [°C WB]											
EDB	°C	-15		-10		-5		0		6		10	
°C	°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	15	1,90	0,63	2,29	0,66	2,67	0,70	3,07	0,91	4,14	0,96	4,50	1,00
20	20	1,79	0,65	2,17	0,68	2,56	0,71	2,95	0,94	4,00	0,99	4,36	1,02
22	22	1,74	0,66	2,12	0,69	2,51	0,72	2,90	0,94	3,94	0,99	4,31	1,03
24	24	1,69	0,66	2,08	0,70	2,46	0,73	2,85	0,95	3,89	1,00	4,25	1,04
25	25	1,67	0,67	2,05	0,70	2,44	0,73	2,83	0,96	3,86	1,01	4,22	1,04
27	27	1,62	0,67	2,01	0,71	2,39	0,74	2,78	0,97	3,81	1,02	4,17	1,05

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

Indoor temperature		Outdoor temperature [°C WB]											
EDB	°C	-15		-10		-5		0		6		10	
°C	°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20	20	2,50	0,99	2,80	1,09	3,00	1,15	3,38	1,21	4,80	1,29	5,05	1,35

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

Notes

- The bold cells indicate the standard conditions.
- The capacities are based on the following conditions:
Corresponding refrigerant piping length: ·5· m
Level difference: ·0· m
- The air flow rate and bypass factor are mentioned in the table.
- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).

Symbols

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

3D148610

FTXP50N / RXP50N9

AFR	16,3
BF	0,27

Cooling · 50Hz 220-240V·

Indoor air temperature		Outdoor temperature [°C DB]															
[°C WB]	[°C DB]	20				25				30				32			
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC
14	20	5,12	3,71	1,06	4,89	3,59	1,17	4,66	3,47	1,27	4,56	3,42	1,31	4,42	3,35	1,37	4,19
16	22	5,35	3,64	1,07	5,12	3,53	1,17	4,89	3,42	1,27	4,79	3,38	1,32	4,65	3,31	1,38	4,42
18	25	5,58	3,80	1,07	5,35	3,70	1,18	5,12	3,59	1,28	5,02	3,55	1,32	4,88	3,49	1,38	4,65
19	27	5,70	3,99	1,08	5,47	3,89	1,18	5,23	3,79	1,28	5,14	3,75	1,33	5,00	3,70	1,39	4,77
22	30	6,04	3,85	1,09	5,81	3,76	1,19	5,58	3,67	1,29	5,49	3,63	1,33	5,35	3,58	1,39	5,11
24	32	6,27	3,74	1,09	6,04	3,66	1,20	5,81	3,58	1,30	5,72	3,55	1,34	5,58	3,50	1,39	5,34

AFR	17,3
-----	------

Heating · 50Hz 220-240V·

Indoor air temperature		Outdoor temperature [°C WB]											
[°C DB]	[°C WB]	-15		-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	15	2,86	1,02	3,43	1,07	4,01	1,12	4,58	1,47	6,21	1,54	6,75	1,60
20	20	2,68	1,04	3,26	1,10	3,83	1,15	4,41	1,50	6,00	1,58	6,54	1,63
22	22	2,61	1,06	3,19	1,11	3,76	1,16	4,34	1,52	5,92	1,59	6,46	1,65
24	24	2,54	1,07	3,12	1,12	3,69	1,17	4,27	1,53	5,83	1,61	6,38	1,66
25	25	2,51	1,07	3,08	1,13	3,66	1,18	4,23	1,54	5,79	1,61	6,33	1,67
27	27	2,43	1,08	3,01	1,14	3,59	1,19	4,17	1,55	5,71	1,63	6,25	1,68

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

Indoor air temperature		Outdoor temperature [°C WB]											
[°C DB]	[°C WB]	-15		-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20	20	4,15	1,66	5,00	1,81	4,68	1,74	5,21	1,82	7,70	2,36	8,23	2,70

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

Symbols

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

Notes

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

4D142736C

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXP60N / RXP60N9

Cooling -50Hz 220 -240V-

AFR	16,8
BF	0,27

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	6,15	4,35	1,40	5,87	4,20	1,53	5,59	4,05	1,67	5,48	4,00	1,72	5,31	3,91	1,81	5,03	3,77	1,95
16	22	6,42	4,27	1,41	6,14	4,13	1,55	5,86	4,00	1,68	5,75	3,94	1,73	5,59	3,86	1,81	5,31	3,73	1,95
18	25	6,70	4,44	1,42	6,42	4,31	1,56	6,14	4,18	1,69	6,03	4,13	1,75	5,86	4,05	1,82	5,58	3,93	1,96
19	27	6,84	4,65	1,42	6,56	4,52	1,56	6,28	4,40	1,69	6,17	4,35	1,75	6,00	4,28	1,82	5,72	4,16	1,97
22	30	7,25	4,47	1,43	6,97	4,36	1,57	6,69	4,25	1,70	6,58	4,21	1,76	6,41	4,14	1,83	6,14	4,04	1,98
24	32	7,53	4,34	1,45	7,25	4,24	1,58	6,97	4,14	1,71	6,86	4,10	1,77	6,69	4,04	1,85	6,41	3,94	1,98

AFR	17,9
-----	------

Heating -50Hz 220 -240V-

Indoor air temperature		Outdoor temperature [°C WB]									
		-15		-10		-5		0		6	
[°C DB]		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15		3,33	1,24	4,01	1,31	4,68	1,37	5,35	1,79	7,24	1,89
20		3,13	1,28	3,80	1,34	4,47	1,40	5,14	1,83	7,00	1,93
22		3,05	1,29	3,72	1,35	4,39	1,42	5,06	1,85	6,90	1,95
24		2,96	1,30	3,64	1,37	4,31	1,43	4,98	1,87	6,81	1,96
25		2,92	1,31	3,59	1,37	4,27	1,44	4,94	1,88	6,76	1,97
27		2,84	1,32	3,51	1,39	4,18	1,45	4,85	1,89	6,66	1,99

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

Indoor air temperature		Outdoor temperature [°C WB]									
		-15		-10		-5		0		6	
[°C DB]		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20		4,60	1,88	5,41	2,10	5,16	2,13	5,83	2,34	8,00	2,79

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

Symbols

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

Notes

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

3D120341C

FTXP71N / RXP71N9

Cooling -50Hz 220 -240V-

AFR	16,8
BF	0,27

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	7,28	5,14	2,07	6,95	4,97	2,26	6,61	4,79	2,46	6,48	4,73	2,54	6,28	4,62	2,67	5,95	4,46	2,87
16	22	7,60	5,05	2,08	7,27	4,88	2,28	6,93	4,73	2,48	6,80	4,66	2,56	6,61	4,56	2,67	6,28	4,41	2,87
18	25	7,93	5,25	2,10	7,60	5,10	2,30	7,27	4,94	2,49	7,14	4,88	2,57	6,93	4,79	2,69	6,60	4,65	2,89
19	27	8,09	5,50	2,10	7,76	5,34	2,30	7,43	5,20	2,49	7,30	5,14	2,57	7,10	5,06	2,69	6,77	4,92	2,90
22	30	8,58	5,28	2,12	8,25	5,15	2,31	7,92	5,02	2,51	7,79	4,98	2,59	7,58	4,89	2,71	7,27	4,78	2,92
24	32	8,91	5,13	2,13	8,58	5,01	2,33	8,25	4,89	2,53	8,12	4,85	2,61	7,92	4,78	2,72	7,58	4,66	2,92

AFR	17,9
-----	------

Heating -50Hz 220 -240V-

Indoor air temperature		Outdoor temperature [°C WB]									
		-15		-10		-5		0		6	
[°C DB]		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15		3,90	1,65	4,70	1,74	5,48	1,82	6,26	2,38	8,48	2,52
20		3,67	1,70	4,45	1,78	5,24	1,86	6,03	2,44	8,20	2,57
22		3,57	1,72	4,36	1,80	5,14	1,89	5,92	2,46	8,08	2,60
24		3,47	1,73	4,26	1,82	5,05	1,90	5,83	2,49	7,98	2,61
25		3,42	1,74	4,21	1,82	5,00	1,92	5,79	2,50	7,92	2,62
27		3,33	1,76	4,11	1,85	4,90	1,93	5,69	2,52	7,80	2,65

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

Indoor air temperature		Outdoor temperature [°C WB]									
		-15		-10		-5		0		6	
[°C DB]		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20		5,64	2,36	6,44	2,59	6,52	2,97	7,23	3,23	9,00	3,31

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

Symbols

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

Notes

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

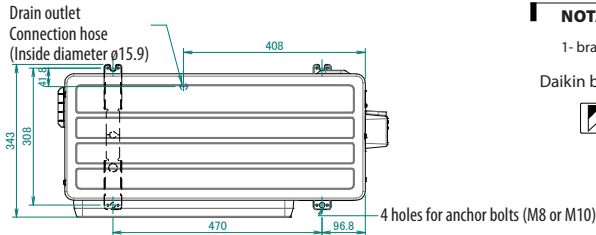
3D120342C

5 Dimensional drawings

5 - 1 Dimensional Drawings

5

ARXP20-35N9
RXP20-35N9

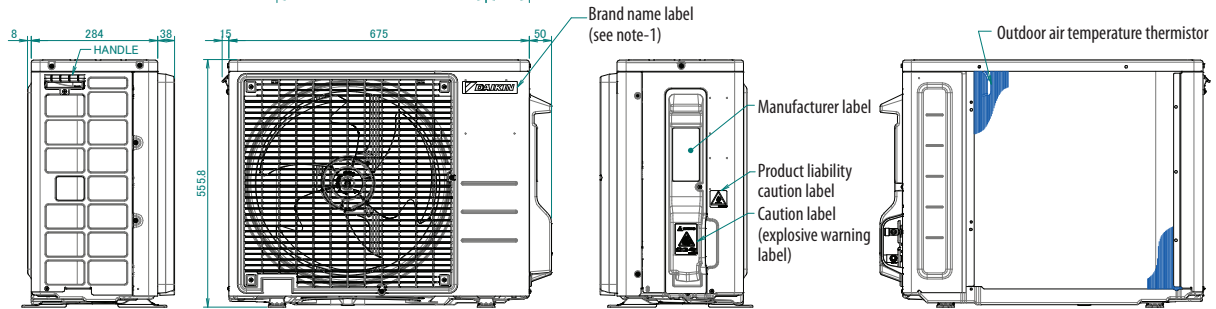


NOTATION

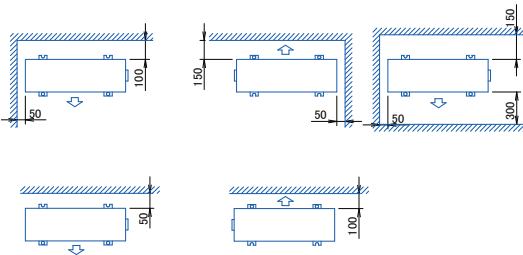
1- brand name label details can be seen below.

Daikin brand label: 3P698070-1

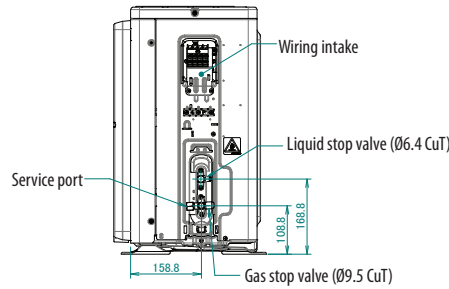
Siesta brand label: 3P698070-3



Minimum space for air passage
Wall height on air outlet side < 1200 mm

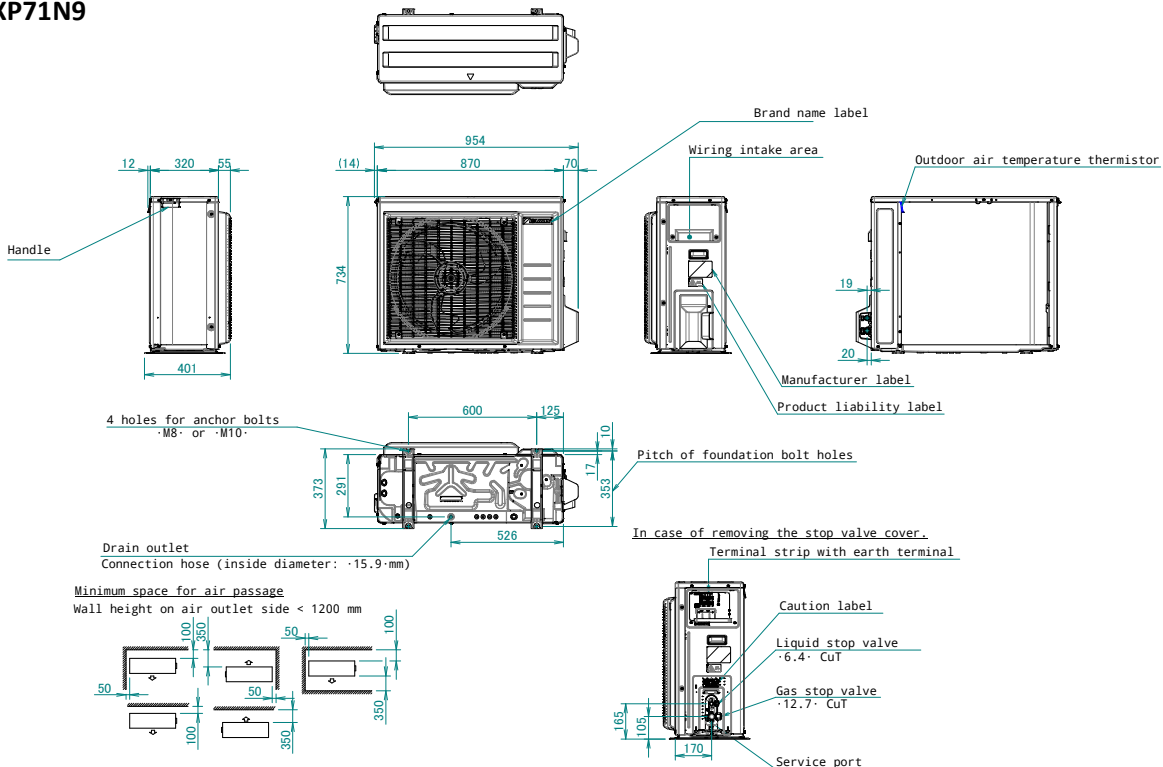


In case of removing the stop valve cover.

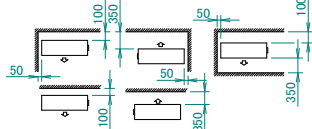


2D143507

RXP50N9
RXP60N9
RXP71N9



Minimum space for air passage
Wall height on air outlet side < 1200 mm



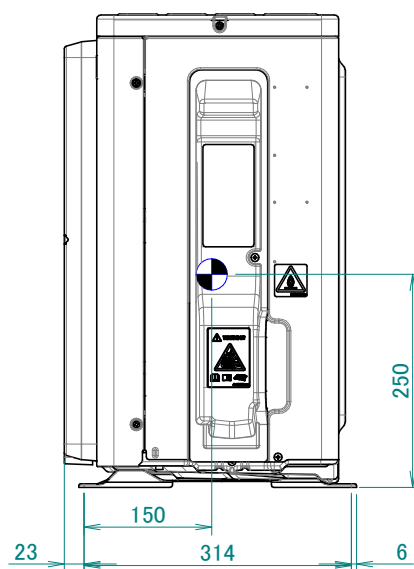
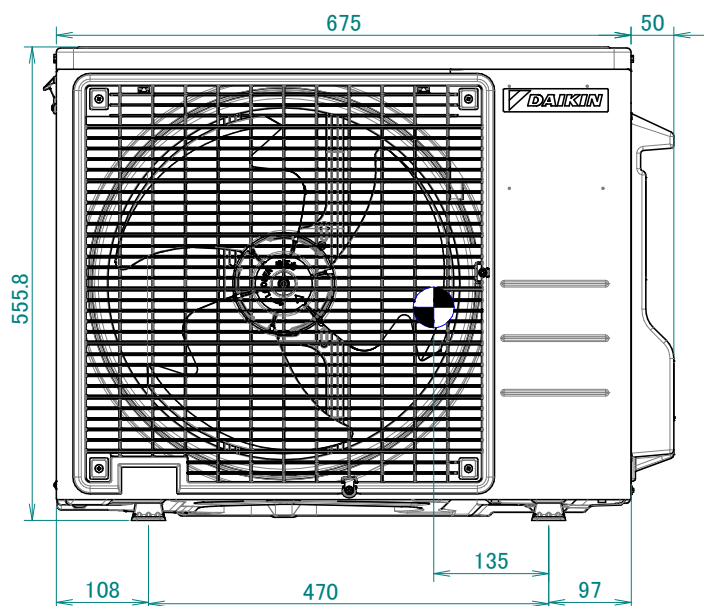
3D151926

6 Centre of gravity

6 - 1 Centre of Gravity

ARXP20-25N9

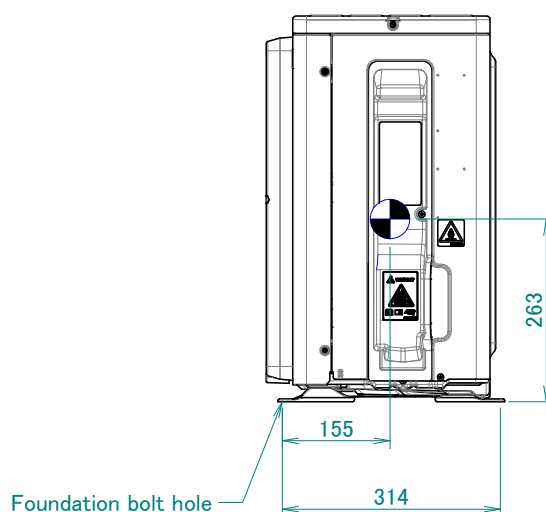
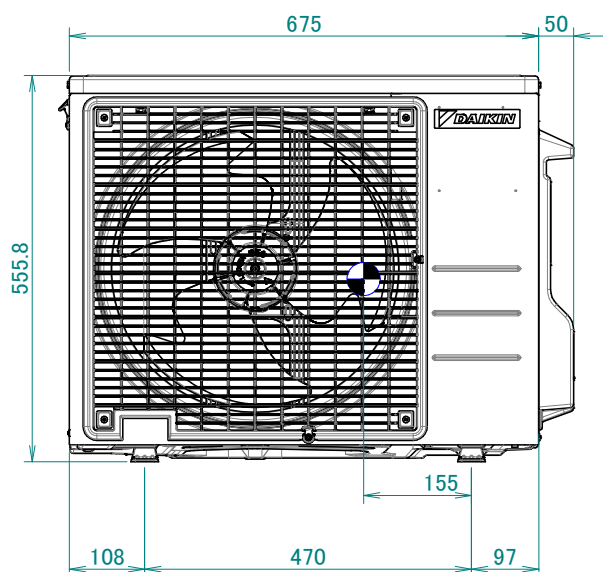
RXP20-25N9



4D144283

ARXP35N9

RXP35N9



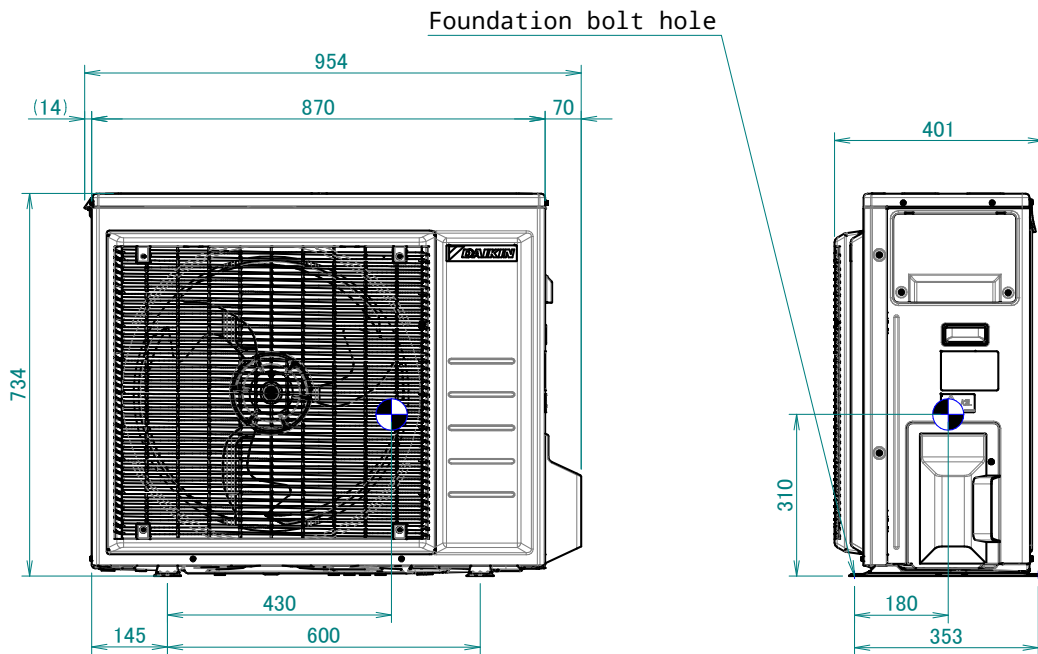
4D144284A

6 Centre of gravity

6 - 1 Centre of Gravity

6

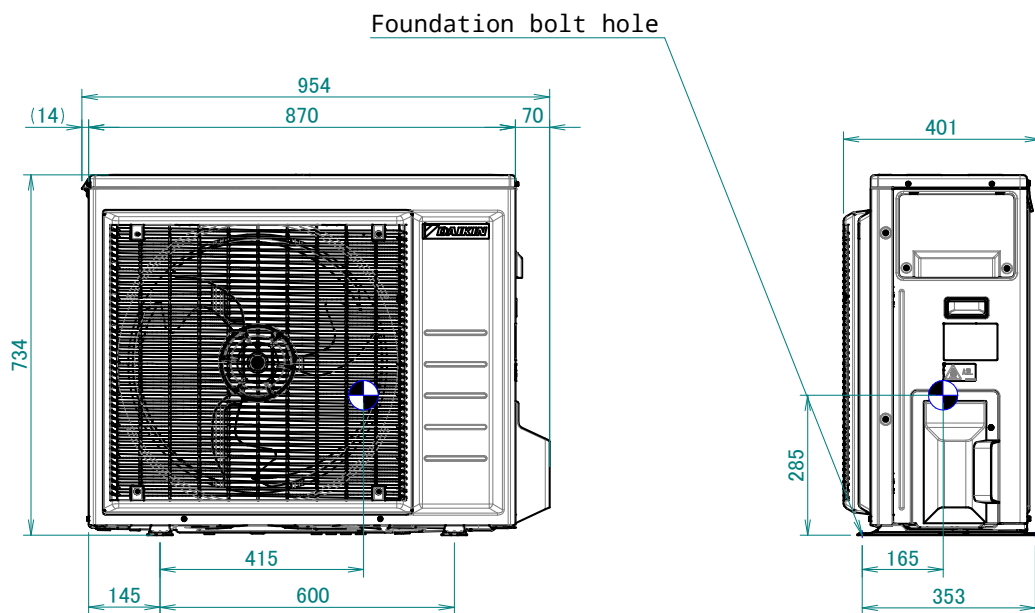
RXP50N9



4D151964

RXP60N9

RXP71N9



4D151984

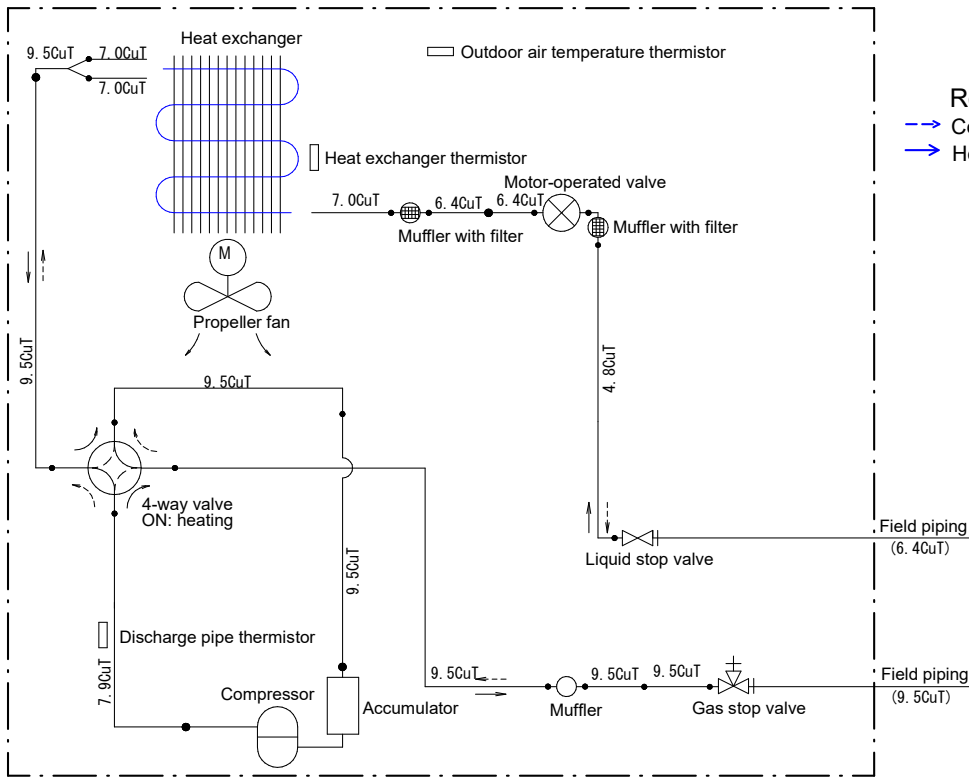
7 Piping diagrams

7 - 1 Piping Diagrams

ARXP20-25N9

RXP20-25N9

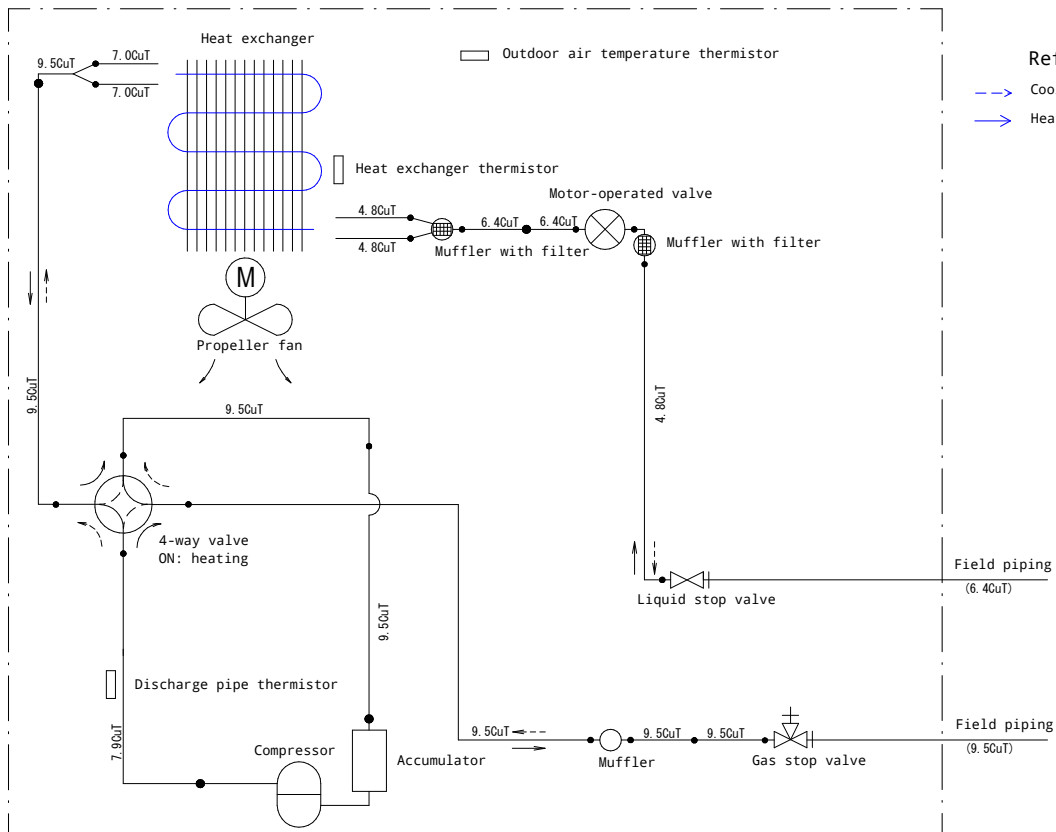
Outdoor unit



3D136644

ARXP35N9 / RXP35N9

Outdoor unit

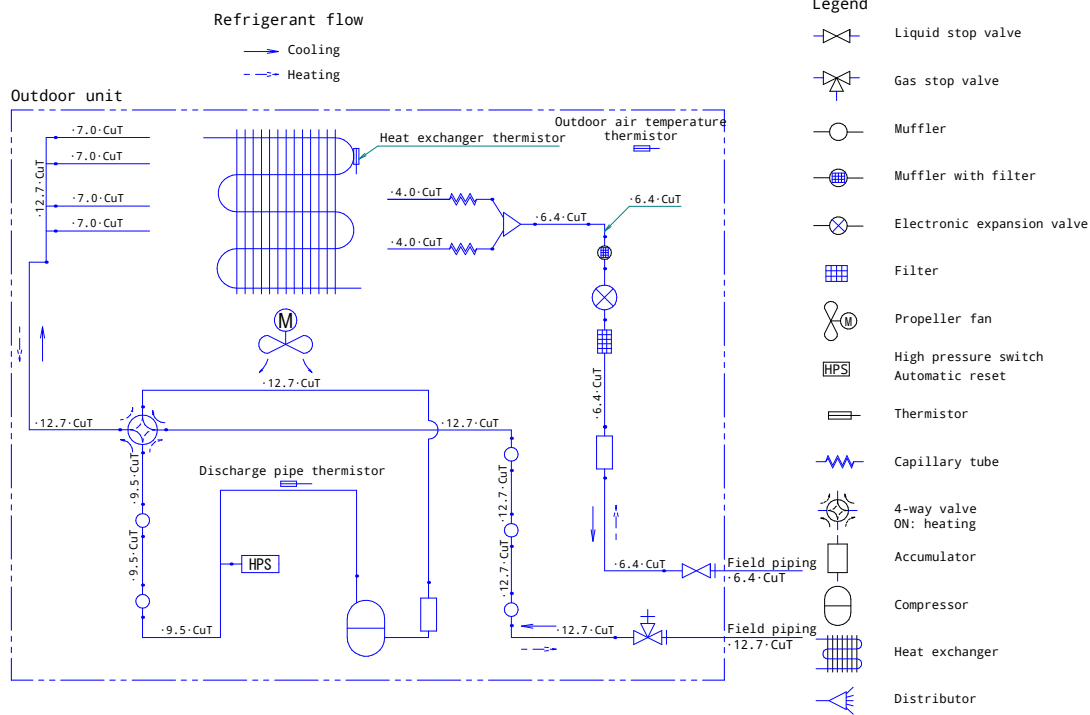


3D143574

7 Piping diagrams

7 - 1 Piping Diagrams

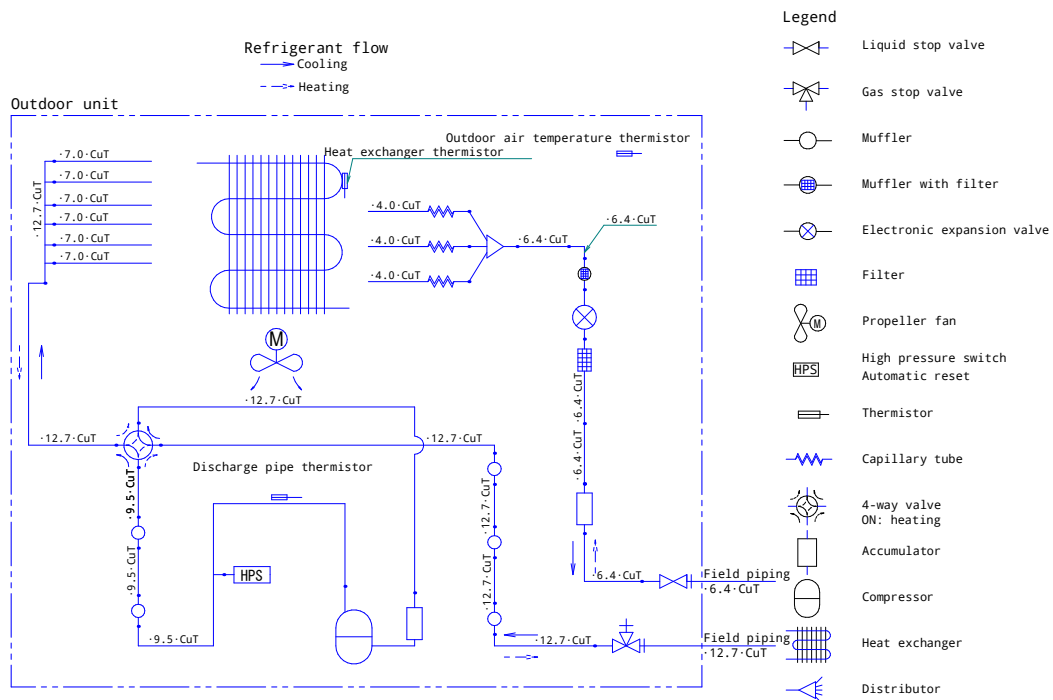
RXP50N9



3D151352

RXP60N9

RXP71N9



3D151348

8 Wiring diagrams

8 - 1 Wiring Diagrams - Three Phase

ARXP20-35N9
RXP20-35N9

Wiring diagram

Field wiring :

NOTE
Refer to the nameplate for the power requirements.

Wire colors

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

C1, C2, C400, C405	Capacitor
D401, D402	Diode
DB1	Diode bridge
FU2, FU3	Fuse
IPM1, IPM2	Intelligent power module
L1R	Reactor
M1C	Compressor motor
M1F	Fan motor
K30R, K10R, MR4	Magnetic relay
A1P	Printed circuit board
PS	Switching power supply
Q1L	Overload protector
R1T, R2T, R3T	Thermistor
SA1	Surge arrester
S, S10, S20, S30, S40, S71, S80, S90, E1, HR1, HR2, X1A	Connector
V2, V3	Varistor
Y1S	Reversing solenoid valve coil
PTC1	Thermistor PTC
Y1E	Electronic expansion valve coil
Z1C, Z2C, Z3C	Ferrite core
ZF	Noise filter
⊕	Protective earth
⊥	Earth

NOTES

- Size : length 140 x height 80
- Refer to purchasing specification AS303002, unless otherwise specified.
- This drawing was drawn on cad system.
- Refer to the "cad03919-3d134368-1-wiring-diagram-210406.ai" formatted file unless otherwise specified.

3D134368

RXP50-71N9

Wiring diagram

Field wiring :

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

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

NOTES

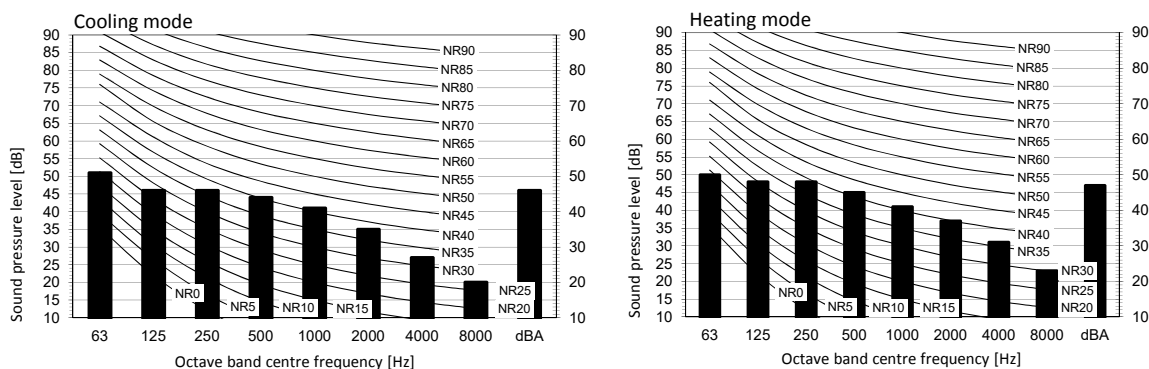
- Refer to the nameplate for the power requirements.
- Do not remove or replace fuse when the units are energized.
- (#) Only for the units with the suspend connector specified in the installation manual.

3D150217

9 Sound data

9 - 1 Sound Pressure Spectrum

ARXP20N9
RXP20N9



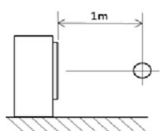
Legend

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

A Scale

B High Fan speed

Location of microphone



Cooling Total dB	
A	B
dBA	46

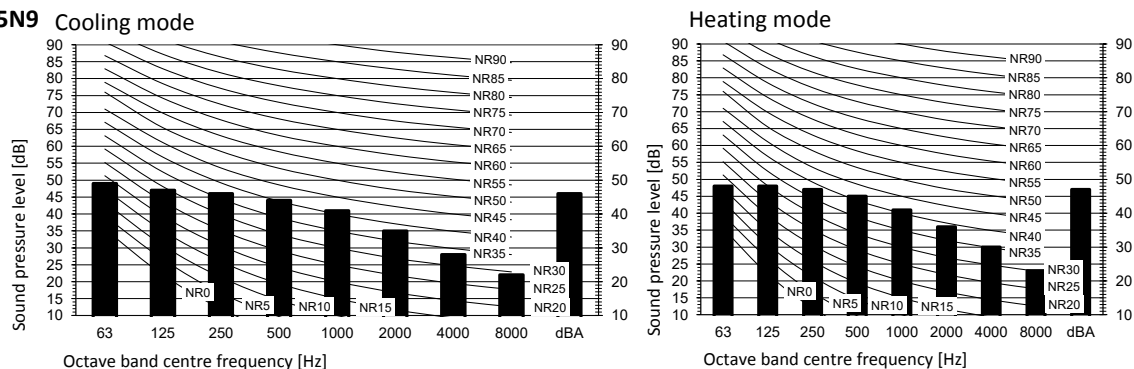
Heating Total dB	
A	B
dBA	47

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

3D092072D

ARXP25N9
RXP25N9



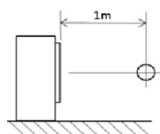
Legend

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

A Scale

B High Fan speed

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

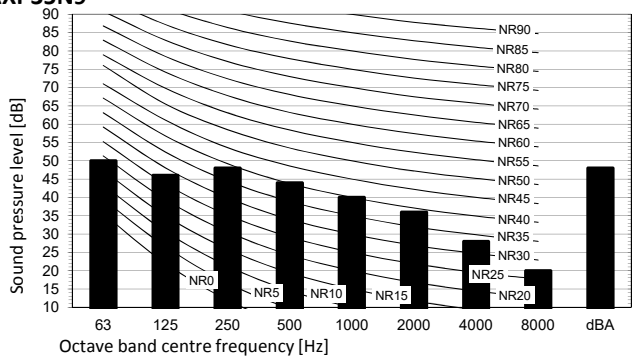
3D092073D

9 Sound data

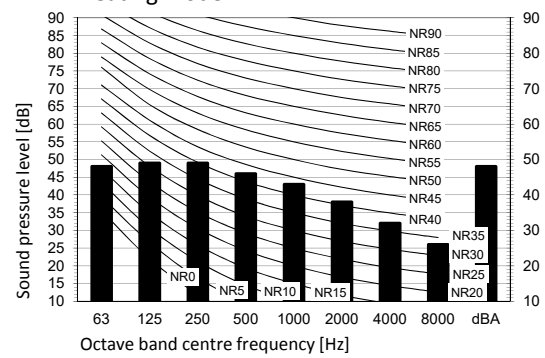
9 - 1 Sound Pressure Spectrum

ARXP35N9

RXP35N9 Cooling mode



Heating mode



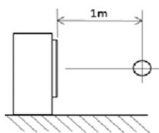
Legend

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

A Scale

B High Fan speed

Location of microphone



Cooling		Total dB	
A	B	A	B
dBA		48	

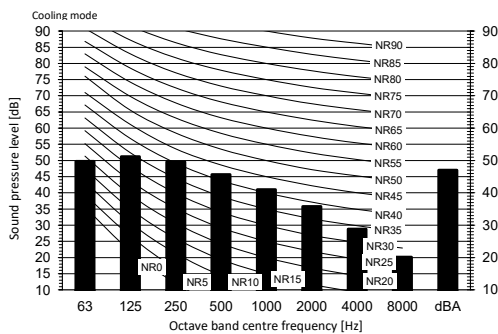
Heating		Total dB	
A	B	A	B
dBA		48	

Notes

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

3D092074D

RXP50N9



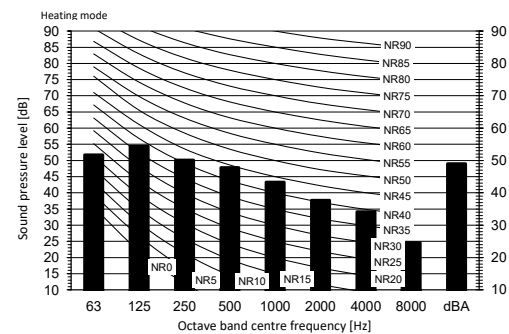
Cooling		Total dB	
A	B	A	B
dBA		47	

Legend

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

A Scale

B Fan speed: High

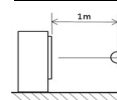


Heating		Total dB	
A	B	A	B
dBA		49	

Notes

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

Location of microphone



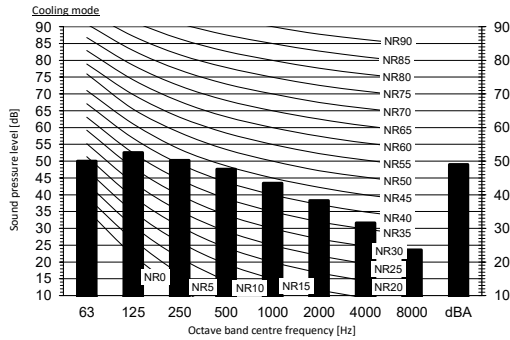
3D115238A

9 Sound data

9 - 1 Sound Pressure Spectrum

9

RXP60N9

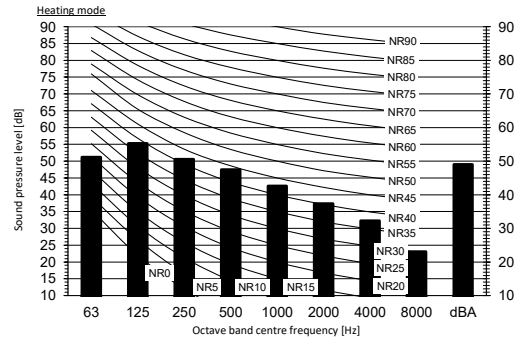


Cooling Total dB	
A	B
dBA	49

Legend

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

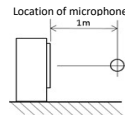
A Scale
B Fan speed: High



Heating Total dB	
A	B
dBA	49

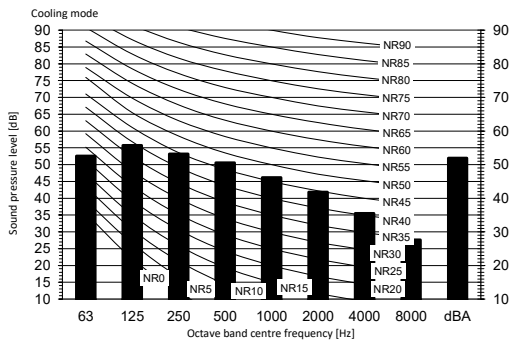
Notes

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



3D115239A

RXP71N9

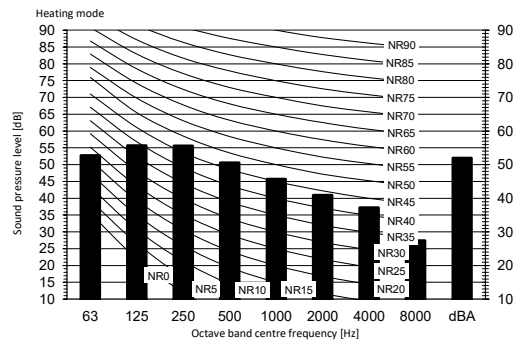


Cooling Total dB	
A	B
dBA	52

Legend

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

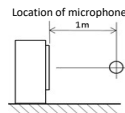
A Scale
B Fan speed: High



Heating Total dB	
A	B
dBA	52

Notes

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



3D115240A

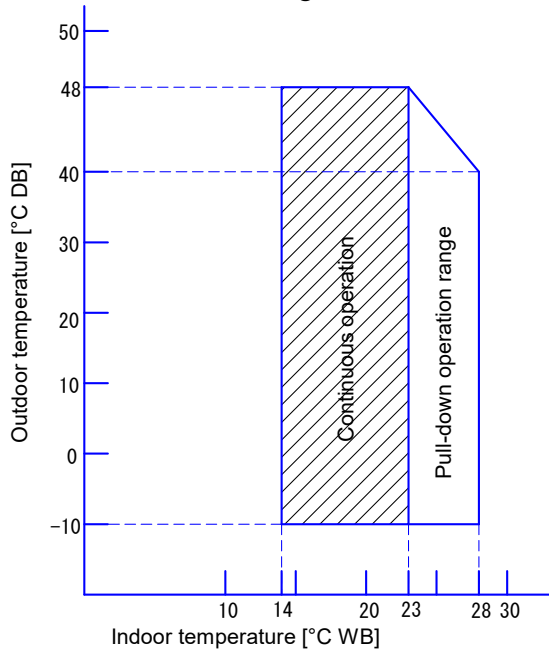
10 Operation range

10 - 1 Operation Range

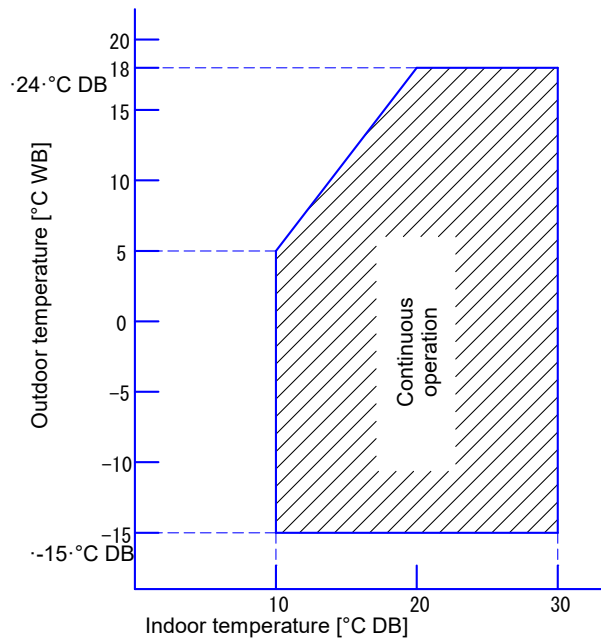
ARXP20-35N9

RXP-N9

Cooling



Heating



Notes

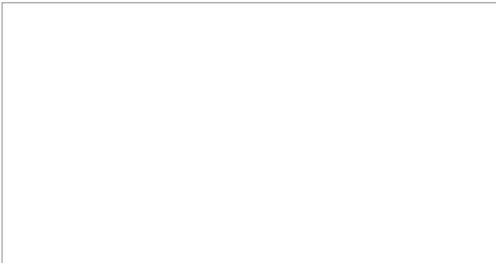
1.The graphs are based on the following conditions.

Corresponding refrigerant piping length: 5 m

Level difference: 0 m

Air flow rate High

3D669693A



EEDEN25

01/2025



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