

Air Conditioning
Technical Data

RXA-A



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RXA-A

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1 Features

- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- Outdoor units are fitted with a swing compressor, renowned for its low noise and high energy efficiency
- Outdoor units for pair application



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Outdoor unit
silent operation

2 Specifications

2-1 Capacity and Power input				FTXA20AS/RXA20A	FTXA25AS/RXA25A	FTXA35AS/RXA35A	FTXA42AS/RXA42A	FTXA50AS/RXA50A	
Indoor unit				FTXA20A2V1BS	FTXA25A2V1BS	FTXA35A2V1BS	FTXA42A2V1BS	FTXA50A2V1BS	
Outdoor unit				RXA20A2V1B	RXA25A2V1B	RXA35A2V1B	RXA42A2V1B	RXA50A2V1B	
Cooling capacity	Min.		kW	1.3		1.4	1.7		
			Btu/h	4,400.0		4,800.0	5,800.0		
			kcal/h	1,120.0		1,200.0	1,460.0		
	Nom.		kW	2.0	2.5	3.4	4.2	5.0	
			Btu/h	6,800.0	8,500.0	11,600.0	14,300.0	17,100.0	
			kcal/h	1,720.0	2,150.0	2,920.0	3,610.0	4,300.0	
	Max.		kW	2.6	3.2	4.0	5.0	5.3	
			Btu/h	8,900.0	10,900.0	13,600.0	17,100.0	18,100.0	
			kcal/h	2,240.0	2,750.0	3,440.0	4,300.0	4,560.0	
Heating capacity	Min.		kW	1.30		1.40	1.70		
			Btu/h	4,400.0		4,800.0	5,800.0		
			kcal/h	1,120.0		1,200.0	1,460.0		
	Nom.		kW	2.50	2.80	4.00	5.40	5.80	
			Btu/h	8,500.0	9,600.0	13,600.0	18,400.0	19,800.0	
			kcal/h	2,150.0	2,410.0	3,440.0	4,640.0	4,990.0	
	Max.		kW	3.50	4.70	5.20	6.00	6.50	
			Btu/h	11,900.0	16,000.0	17,700.0	20,500.0	22,200.0	
			kcal/h	3,010.0	4,040.0	4,470.0	5,160.0	5,590.0	
Power input	Cooling	Min.	kW	0.27		0.31	-		
		Nom.	kW	0.43	0.56	0.78	1.05	1.36	
		Max.	kW	0.63	0.78	1.04	-		
	Heating	Min.	kW	0.25		0.26	0.46	0.49	
		Nom.	kW	0.50	0.56	0.99	1.31	1.45	
		Max.	kW	0.91	1.22	1.67	-		
Space cooling	Capacity	Pdesign	kW	2.00	2.50	3.40	4.20	5.00	
	Energy efficiency class			A+++			A++		
	SEER			8.75	8.74	8.73	7.50	7.33	
	Annual energy consumption			kWh/a	80	101	137	196	239
	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	1.47	1.84	2.51	3.09	3.68	
		EERd		6.96	6.79	6.28	5.54	5.29	
		Power input	kW	0.21	0.27	0.40	0.56	0.70	
	C Condition (25°C - 27/19)	Pdc	kW	0.95	1.18	1.61	1.99	2.37	
		EERd		10.37	10.35	10.58	9.31	9.24	
		Power input	kW	0.09	0.11	0.15	0.21	0.26	
	D Condition (20°C - 27/19)	Pdc	kW	1.27	1.29	1.33	1.86	1.87	
		EERd		16.36	16.30	16.21	12.06	12.03	
Power input		kW	0.08			0.15	0.16		

2 Specifications

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2-1 Capacity and Power input					FTXA20AS/RXA20A	FTXA25AS/RXA25A	FTXA35AS/RXA35A	FTXA42AS/RXA42A	FTXA50AS/RXA50A	
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				5.19	5.18		4.63	4.61	
	Pdh Heating capacity at -10°		kW		2.19	2.30	2.36	3.34	3.45	
	Annual energy consumption		kWh/a		653	666	680	1,150	1,217	
	Required back up heating cap at design conditions		kW		0.21	0.15	0.14	0.46	0.55	
	TOL	Tol (temperature operating limit)	°C		-15					
		Pdh (declared heating cap)	kW		2.31	2.52	2.62	3.90	4.12	
		COPd (declared COP)				2.48	2.36	2.30	2.04	2.16
		Power input	kW		0.93	1.07	1.14	1.91		
	TBivalent	Tbiv (bivalent temperature)	°C		-7					
		Pdh (declared heating cap)	kW		2.12	2.17	2.21	3.36	3.54	
		COPd (declared COP)				3.56	3.59	3.58	3.24	3.16
		Power input	kW		0.60		0.62	1.04	1.12	
	A Condition (-7°C)	Pdh (declared heating cap)	kW		2.12	2.17	2.21	3.36	3.54	
		COPd (declared COP)				3.56	3.59	3.58	3.24	3.16
		Power input	kW		0.60		0.62	1.04	1.12	
	B Condition (2°C)	Pdh (declared heating cap)	kW		1.29	1.32	1.35	2.05	2.15	
		COPd (declared COP)				5.24	5.22	5.19	4.44	4.43
		Power input	kW		0.25		0.26	0.46	0.49	
	C Condition (7°C)	Pdh (declared heating cap)	kW		0.92	0.94		1.65	1.71	
		COPd (declared COP)				6.27	6.25	6.19	6.33	6.32
Power input		kW		0.15			0.26	0.27		
D Condition (12°C)	Pdh (declared heating cap)	kW		1.10			1.52			
	COPd (declared COP)				8.05	8.02	7.97	7.35	7.25	
	Power input	kW		0.14			0.21			
Current	Nominal running current (RLA) - 50Hz	Cooling	A		2.0	2.6	3.6	4.9	6.2	
		Heating	A		2.3	2.6	4.4	6.0	6.6	
Cooling	Cdc (Degradation cooling)				0.25					
Heating	Cdh (Degradation heating)				0.25					
Cooling function included					Yes					
Heating function included					Yes					
Average climate included					Yes					
Cold season included					No					
Warm season included					Yes					
Ecolabel logo					No					
Eurovent	Sound power level outdoor	Cooling	Nom.	dB(A)	59		61	62		
	Sound power level indoor	Cooling	Nom.	dB(A)	57		60			
	Piping length	Cooling	Measuring condition	m	5.0					
Nominal efficiency	EER				4.70	4.46	4.37	3.99	3.68	
	COP				5.00			4.04	4.12	4.00
	Energy labeling Directive	Cooling				A				
		Heating				A				

2 Specifications

2-1 Capacity and Power input				FTXA20AS/RXA20A	FTXA25AS/RXA25A	FTXA35AS/RXA35A	FTXA42AS/RXA42A	FTXA50AS/RXA50A	
Power consumption in other than active mode	Thermostat-off mode	PTO	Cooling	W	7			13	
			Heating	W	13			0.0	
	Crankcase heater mode	PCK		W	0.0				
	Off mode	POFF		W	0.5				
	Standby mode	Cooling	PSB	W	0.5				
Heating		PSB	W	0.5					
Power factor	Nominal	Cooling		%	91.73	93.94	95.64	94.10	95.74
		Heating		%	93.11	93.94	98.09	95.47	96.21
Space heating (Warm climate)	Capacity	Pdesignh		kW	1.75	1.87	2.00	2.15	
	Energy efficiency class				A+++				
	SCOP				6.26		6.28	5.93	5.84
	SCOPnet				6.42			6.03	5.95
	Annual energy consumption			kWh/a	392	418	446	508	515
	Required back up heating cap at design conditions			kW	0.00				
	TOL	Tol (temperature operating limit)		°C	-15				
		Pdh (declared heating cap)		kW	2.31	2.52	2.62	3.90	4.12
		COPd (declared COP)			2.48	2.36	2.30	2.04	2.16
		Power input		kW	0.93	1.07	1.14	1.91	
	TBivalent	Tbiv (bivalent temperature)		°C	2				
		Pdh (declared heating cap)		kW	1.75	1.87	2.00	2.15	
		COPd (declared COP)			4.76	4.67	4.64	4.42	4.43
		Power input		kW	0.37	0.40	0.43	0.49	
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.75	1.87	2.00	2.15	
		COPd (declared COP)			4.76	4.67	4.64	4.42	4.43
		Power input		kW	0.37	0.40	0.43	0.49	
C Condition (7°C)	Pdh (declared heating cap)		kW	1.16	1.20	1.29	1.71		
	COPd (declared COP)			6.15	6.12	6.11	6.43	6.32	
	Power input		kW	0.19	0.20	0.21	0.27		
D Condition (12°C)	Pdh (declared heating cap)		kW	1.1			1.5		
	COPd (declared COP)			8.05	8.02	7.97	7.35	7.25	
	Power input		kW	0.14			0.21		

2-2 Capacity and Power input				FTXA20AT/RXA20A	FTXA25AT/RXA25A	FTXA35AT/RXA35A	FTXA42AT/RXA42A	FTXA50AT/RXA50A
Indoor unit				FTXA20A2V1BT	FTXA25A2V1BT	FTXA35A2V1BT	FTXA42A2V1BT	FTXA50A2V1BT
Outdoor unit				RXA20A2V1B	RXA25A2V1B	RXA35A2V1B	RXA42A2V1B	RXA50A2V1B
Cooling capacity	Min.	kW		1.3		1.4	1.7	
		Btu/h		4,400.0		4,800.0	5,800.0	
		kcal/h		1,120.0		1,200.0	1,460.0	
	Nom.	kW		2.0	2.5	3.4	4.2	5.0
		Btu/h		6,800.0	8,500.0	11,600.0	14,300.0	17,100.0
		kcal/h		1,720.0	2,150.0	2,920.0	3,610.0	4,300.0
	Max.	kW		2.6	3.2	4.0	5.0	5.3
		Btu/h		8,900.0	10,900.0	13,600.0	17,100.0	18,100.0
		kcal/h		2,240.0	2,750.0	3,440.0	4,300.0	4,560.0

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2-2 Capacity and Power input			FTXA20AT/RXA20A	FTXA25AT/RXA25A	FTXA35AT/RXA35A	FTXA42AT/RXA42A	FTXA50AT/RXA50A		
Heating capacity	Min.	kW	1.30		1.40	1.70			
		Btu/h	4,400.0		4,800.0	5,800.0			
		kcal/h	1,120.0		1,200.0	1,460.0			
	Nom.	kW	2.50	2.80	4.00	5.40	5.80		
		Btu/h	8,500.0	9,600.0	13,600.0	18,400.0	19,800.0		
		kcal/h	2,150.0	2,410.0	3,440.0	4,640.0	4,990.0		
	Max.	kW	3.50	4.70	5.20	6.00	6.50		
		Btu/h	11,900.0	16,000.0	17,700.0	20,500.0	22,200.0		
		kcal/h	3,010.0	4,040.0	4,470.0	5,160.0	5,590.0		
Power input	Cooling	Min.	kW	0.27		0.31	-		
		Nom.	kW	0.43	0.56	0.78	1.05	1.36	
		Max.	kW	0.63	0.78	1.04	-		
	Heating	Min.	kW	0.25		0.26	0.46	0.49	
		Nom.	kW	0.50	0.56	0.99	1.31	1.45	
		Max.	kW	0.91	1.22	1.67	-		
	Space cooling	Capacity	Pdesign	kW	2.00	2.50	3.40	4.20	5.00
		Energy efficiency class			A+++			A++	
		SEER			8.75	8.74	8.73	7.50	7.33
Annual energy consumption			kWh/a	80	101	137	196	239	
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	1.47	1.84	2.51	3.09	3.68	
		EERd		6.96	6.79	6.28	5.54	5.29	
		Power input	kW	0.21	0.27	0.40	0.56	0.70	
C Condition (25°C - 27/19)		Pdc	kW	0.95	1.18	1.61	1.99	2.37	
		EERd		10.37	10.35	10.58	9.31	9.24	
		Power input	kW	0.09	0.11	0.15	0.21	0.26	
D Condition (20°C - 27/19)		Pdc	kW	1.27	1.29	1.33	1.86	1.87	
		EERd		16.36	16.30	16.21	12.06	12.03	
	Power input	kW	0.08			0.15	0.16		

2 Specifications

2-2 Capacity and Power input					FTXA20AT/RXA20A	FTXA25AT/RXA25A	FTXA35AT/RXA35A	FTXA42AT/RXA42A	FTXA50AT/RXA50A	
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			5.19	5.18		4.63	4.61		
	Pdh Heating capacity at -10°		kW	2.19	2.30	2.36	3.34	3.45		
	Annual energy consumption		kWh/a	653	666	680	1,150	1,217		
	Required back up heating cap at design conditions		kW	0.21	0.15	0.14	0.46	0.55		
	TOL	Tol (temperature operating limit)	°C	-15						
		Pdh (declared heating cap)	kW	2.31	2.52	2.62	3.90	4.12		
		COPd (declared COP)			2.48	2.36	2.30	2.04	2.16	
		Power input	kW	0.93	1.07	1.14	1.91			
	TBivalent	Tbiv (bivalent temperature)	°C	-7						
		Pdh (declared heating cap)	kW	2.12	2.17	2.21	3.36	3.54		
		COPd (declared COP)			3.56	3.59	3.58	3.24	3.16	
		Power input	kW	0.60		0.62	1.04	1.12		
	A Condition (-7°C)	Pdh (declared heating cap)	kW	2.12	2.17	2.21	3.36	3.54		
		COPd (declared COP)			3.56	3.59	3.58	3.24	3.16	
		Power input	kW	0.60		0.62	1.04	1.12		
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.29	1.32	1.35	2.05	2.15		
		COPd (declared COP)			5.24	5.22	5.19	4.44	4.43	
		Power input	kW	0.25		0.26	0.46	0.49		
	C Condition (7°C)	Pdh (declared heating cap)	kW	0.92	0.94		1.65	1.71		
		COPd (declared COP)			6.27	6.25	6.19	6.33	6.32	
		Power input	kW	0.15			0.26	0.27		
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.10			1.52			
		COPd (declared COP)			8.05	8.02	7.97	7.35	7.25	
		Power input	kW	0.14			0.21			
Current	Nominal running current (RLA) - 50Hz	Cooling	A	2.0	2.6	3.6	4.9	6.2		
		Heating	A	2.3	2.6	4.4	6.0	6.6		
Cooling	Cdc (Degradation cooling)			0.25						
Heating	Cdh (Degradation heating)			0.25						
Cooling function included				Yes						
Heating function included				Yes						
Average climate included				Yes						
Cold season included				No						
Warm season included				Yes						
Ecolabel logo				No						
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	59	61	62			
	Sound power level indoor	Cooling	Nom.	dBA	57	60				
	Piping length	Cooling	Measuring condition	m	5.0					
Nominal efficiency	EER			4.70	4.46	4.37	3.99	3.68		
	COP			5.00		4.04	4.12	4.00		
	Energy labeling Directive	Cooling		A						
		Heating		A						

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2-2 Capacity and Power input				FTXA20AT/RXA20A	FTXA25AT/RXA25A	FTXA35AT/RXA35A	FTXA42AT/RXA42A	FTXA50AT/RXA50A		
Power consumption in other than active mode	Thermostat-off mode	PTO	Cooling	W	7			13		
			Heating	W	13					
	Crankcase heater mode	PCK		W	0.0					
	Off mode	POFF		W	0.5					
	Standby mode		Cooling	PSB	W	0.5				
Heating			PSB	W	0.5					
Power factor	Nominal		Cooling	%	91.73	93.94	95.64	94.10	95.74	
			Heating	%	93.11	93.94	98.09	95.47	96.21	
Space heating (Warm climate)	Capacity	Pdesignh		kW	1.75	1.87	2.00	2.15		
	Energy efficiency class					A+++				
	SCOP					6.26	6.28	5.93	5.84	
	SCOPnet					6.42		6.03	5.95	
	Annual energy consumption				kWh/a	392	418	446	508	515
	Required back up heating cap at design conditions				kW	0.00				
	TOL			Tol (temperature operating limit)	°C	-15				
				Pdh (declared heating cap)	kW	2.31	2.52	2.62	3.90	4.12
				COPd (declared COP)		2.48	2.36	2.30	2.04	2.16
				Power input	kW	0.93	1.07	1.14	1.91	
	TBivalent			Tbiv (bivalent temperature)	°C	2				
				Pdh (declared heating cap)	kW	1.75	1.87	2.00	2.15	
				COPd (declared COP)		4.76	4.67	4.64	4.42	4.43
				Power input	kW	0.37	0.40	0.43	0.49	
	B Condition (2°C)			Pdh (declared heating cap)	kW	1.75	1.87	2.00	2.15	
				COPd (declared COP)		4.76	4.67	4.64	4.42	4.43
				Power input	kW	0.37	0.40	0.43	0.49	
C Condition (7°C)			Pdh (declared heating cap)	kW	1.16	1.20	1.29	1.71		
			COPd (declared COP)		6.15	6.12	6.11	6.43	6.32	
			Power input	kW	0.19	0.20	0.21	0.27		
D Condition (12°C)			Pdh (declared heating cap)	kW	1.1			1.5		
			COPd (declared COP)		8.05	8.02	7.97	7.35	7.25	
			Power input	kW	0.14			0.21		

2-3 Capacity and Power input				FTXA20AW/RXA20A	FTXA25AW/RXA25A	FTXA35AW/RXA35A	FTXA42AW/RXA42A	FTXA50AW/RXA50A	
Indoor unit				FTXA20A2V1BW	FTXA25A2V1BW	FTXA35A2V1BW	FTXA42A2V1BW	FTXA50A2V1BW	
Outdoor unit				RXA20A2V1B	RXA25A2V1B	RXA35A2V1B	RXA42A2V1B	RXA50A2V1B	
Cooling capacity	Min.		kW	1.3			1.4	1.7	
			Btu/h	4,400.0			4,800.0	5,800.0	
			kcal/h	1,120.0			1,200.0	1,460.0	
	Nom.		kW	2.0	2.5	3.4	4.2	5.0	
			Btu/h	6,800.0	8,500.0	11,600.0	14,300.0	17,100.0	
			kcal/h	1,720.0	2,150.0	2,920.0	3,610.0	4,300.0	
	Max.		kW	2.6	3.2	4.0	5.0	5.3	
			Btu/h	8,900.0	10,900.0	13,600.0	17,100.0	18,100.0	
			kcal/h	2,240.0	2,750.0	3,440.0	4,300.0	4,560.0	

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2-3 Capacity and Power input				FTXA20AW/ RXA20A	FTXA25AW/ RXA25A	FTXA35AW/ RXA35A	FTXA42AW/ RXA42A	FTXA50AW/ RXA50A	
Heating capacity	Min.		kW	1.30		1.40	1.70		
			Btu/h	4,400.0		4,800.0	5,800.0		
			kcal/h	1,120.0		1,200.0	1,460.0		
	Nom.		kW	2.50	2.80	4.00	5.40	5.80	
			Btu/h	8,500.0	9,600.0	13,600.0	18,400.0	19,800.0	
			kcal/h	2,150.0	2,410.0	3,440.0	4,640.0	4,990.0	
	Max.		kW	3.50	4.70	5.20	6.00	6.50	
			Btu/h	11,900.0	16,000.0	17,700.0	20,500.0	22,200.0	
			kcal/h	3,010.0	4,040.0	4,470.0	5,160.0	5,590.0	
Power input	Cooling	Min.	kW	0.27		0.31	-		
		Nom.	kW	0.43	0.56	0.78	1.05	1.36	
		Max.	kW	0.63	0.78	1.04	-		
	Heating	Min.	kW	0.25		0.26	0.46	0.49	
		Nom.	kW	0.50	0.56	0.99	1.31	1.45	
		Max.	kW	0.91	1.22	1.67	-		
Space cooling	Capacity	Pdesign	kW	2.00	2.50	3.40	4.20	5.00	
	Energy efficiency class			A+++			A++		
	SEER			8.75	8.74	8.73	7.50	7.33	
	Annual energy consumption			kWh/a	80	101	137	196	239
	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	1.47	1.84	2.51	3.09	3.68	
		EERd		6.96	6.79	6.28	5.54	5.29	
		Power input		kW	0.21	0.27	0.40	0.56	0.70
	C Condition (25°C - 27/19)	Pdc	kW	0.95	1.18	1.61	1.99	2.37	
		EERd		10.37	10.35	10.58	9.31	9.24	
		Power input		kW	0.09	0.11	0.15	0.21	0.26
	D Condition (20°C - 27/19)	Pdc	kW	1.27	1.29	1.33	1.86	1.87	
		EERd		16.36	16.30	16.21	12.06	12.03	
Power input		kW	0.08			0.15	0.16		

2 Specifications

2

2-3 Capacity and Power input				FTXA20AW/ RXA20A	FTXA25AW/ RXA25A	FTXA35AW/ RXA35A	FTXA42AW/ RXA42A	FTXA50AW/ RXA50A
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			5.19	5.18		4.63	4.61
	Pdh Heating capacity at -10°		kW	2.19	2.30	2.36	3.34	3.45
	Annual energy consumption		kWh/a	653	666	680	1,150	1,217
	Required back up heating cap at design conditions		kW	0.21	0.15	0.14	0.46	0.55
	TOL	Tol (temperature operating limit)	°C	-15				
		Pdh (declared heating cap)	kW	2.31	2.52	2.62	3.90	4.12
		COPd (declared COP)		2.48	2.36	2.30	2.04	2.16
		Power input	kW	0.93	1.07	1.14	1.91	
	TBivalent	Tbiv (bivalent temperature)	°C	-7				
		Pdh (declared heating cap)	kW	2.12	2.17	2.21	3.36	3.54
		COPd (declared COP)		3.56	3.59	3.58	3.24	3.16
		Power input	kW	0.60		0.62	1.04	1.12
	A Condition (-7°C)	Pdh (declared heating cap)	kW	2.12	2.17	2.21	3.36	3.54
		COPd (declared COP)		3.56	3.59	3.58	3.24	3.16
		Power input	kW	0.60		0.62	1.04	1.12
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.29	1.32	1.35	2.05	2.15
		COPd (declared COP)		5.24	5.22	5.19	4.44	4.43
		Power input	kW	0.25		0.26	0.46	0.49
	C Condition (7°C)	Pdh (declared heating cap)	kW	0.92	0.94		1.65	1.71
		COPd (declared COP)		6.27	6.25	6.19	6.33	6.32
		Power input	kW	0.15			0.26	0.27
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.10			1.52	
		COPd (declared COP)		8.05	8.02	7.97	7.35	7.25
		Power input	kW	0.14			0.21	
Current	Nominal running current (RLA) - 50Hz	Cooling	A	2.0	2.6	3.6	4.9	6.2
		Heating	A	2.3	2.6	4.4	6.0	6.6
Cooling	Cdc (Degradation cooling)			0.25				
Heating	Cdh (Degradation heating)			0.25				
Cooling function included				Yes				
Heating function included				Yes				
Average climate included				Yes				
Cold season included				No				
Warm season included				Yes				
Ecolabel logo				No				
Eurovent	Sound power level outdoor	Cooling	Nom.	dB	59	61	62	
	Sound power level indoor	Cooling	Nom.	dB	57	60		
	Piping length	Cooling	Measuring condition	m	5.0			
Nominal efficiency	EER			4.70	4.46	4.37	3.99	3.68
	COP			5.00			4.04	4.00
	Energy labeling Directive	Cooling		A				
Heating		A						

2 Specifications

2-3 Capacity and Power input				FTXA20AW/ RXA20A	FTXA25AW/ RXA25A	FTXA35AW/ RXA35A	FTXA42AW/ RXA42A	FTXA50AW/ RXA50A			
Power consumption in other than active mode	Thermostat-off mode	PTO	Cooling	7			13				
			Heating	13							
	Crankcase heater mode	PCK	W	0.0							
	Off mode	POFF	W	0.5							
	Standby mode		Cooling	PSB	0.5						
Heating			PSB	0.5							
Power factor	Nominal	Cooling		%	91.73	93.94	95.64	94.10	95.74		
		Heating		%	93.11	93.94	98.09	95.47	96.21		
Space heating (Warm climate)	Capacity	Pdesignh	kW	1.75	1.87	2.00	2.15				
	Energy efficiency class			A+++							
	SCOP			6.26			6.28	5.93	5.84		
	SCOPnet			6.42			6.03			5.95	
	Annual energy consumption			kWh/a	392	418	446	508	515		
	Required back up heating cap at design conditions			kW	0.00						
	TOL		Tol (temperature operating limit)	°C	-15						
				Pdh (declared heating cap)	kW	2.31	2.52	2.62	3.90	4.12	
				COPd (declared COP)			2.48	2.36	2.30	2.04	2.16
				Power input		kW	0.93	1.07	1.14	1.91	
	TBivalent		Tbiv (bivalent temperature)	°C	2						
				Pdh (declared heating cap)	kW	1.75	1.87	2.00	2.15		
				COPd (declared COP)			4.76	4.67	4.64	4.42	4.43
				Power input		kW	0.37	0.40	0.43	0.49	
	B Condition (2°C)		Pdh (declared heating cap)	kW	1.75	1.87	2.00	2.15			
				COPd (declared COP)			4.76	4.67	4.64	4.42	4.43
				Power input		kW	0.37	0.40	0.43	0.49	
C Condition (7°C)		Pdh (declared heating cap)	kW	1.16	1.20	1.29	1.71				
			COPd (declared COP)			6.15	6.12	6.11	6.43	6.32	
			Power input		kW	0.19	0.20	0.21	0.27		
D Condition (12°C)		Pdh (declared heating cap)	kW	1.1			1.5				
			COPd (declared COP)			8.05	8.02	7.97	7.35	7.25	
			Power input		kW	0.14			0.21		

2-4 Technical Specifications				RXA20A	RXA25A	RXA35A	RXA42A	RXA50A
Capacity control	Method			Variable (inverter)				
Casing	Colour			Ivory white				
Dimensions	Unit	Height	mm	550			735	
		Width	mm	765			825	
		Depth	mm	285			300	
	Packed unit	Height	mm	612			797	
		Width	mm	906			992	
		Depth	mm	402			437	
Weight	Unit		kg	32			46	
	Packed unit		kg	34			50	
Heat exchanger	Length		mm	805			845	
	Rows	Quantity		2				
	Fin pitch		mm	1.40			1.80	
	Stages	Quantity		24			32	
	Passes	Quantity		3.1			5.8	
	Tube type		ø7 Hi-XD			ø8 Hi-XA		
	Fin	Type		Waffle fin (PE)				

2 Specifications

2

2-4 Technical Specifications					RXA20A	RXA25A	RXA35A	RXA42A	RXA50A
Compressor	Model				1YC25GXD#C			2YC40JXD#C	
	Type				Hermetically sealed swing compressor				
	Output			W	800.0			1,300.0	
Fan	Type				Propeller fan				
	Air flow rate	Cooling	Nom.	m ³ /min	34.0		36.0		50.4
				cfm	1,201		1,271		1,780
	Heating	Nom.		m ³ /min	28.3			40.4	
				cfm	999			1,427	
Fan motor	Model				ARW34W8P50DA			ARW7406DA	
	Output			W	50			68	
	Speed	Cooling	High	rpm	920			780	
			Nom.	rpm	860		920		780
			Low	rpm	640			690	
	Heating	High		rpm	860			730	
			Nom.	rpm	800			730	
			Low	rpm	380			530	
Sound power level	Cooling			dBA	59		61		
	Heating			dBA	59		61		
Sound pressure level	Cooling		Nom.	dBA	46		49		
	Heating		Nom.	dBA	47		49		
Operation range	Cooling	Ambien t	Min.	°CDB	-10				
			Max.	°CDB	46				
	Heating	Ambien t	Min.	°CWB	-15				
			Max.	°CWB	18				
Refrigerant	Type				R-32				
	Charge			kg	0.76			1.30	
				TCO ₂ eq	0.52			0.88	
	Control				Expansion valve				
	GWP				675.0				
Piping connections	Liquid	OD		mm	6,35				
	Gas	OD		mm	9.50		12.70		
	Drain	OD		mm	18				
	Piping length	OU - IU	Max.	m	20		30		
	Additional refrigerant charge				kg/m	0.02 (for piping length exceeding 10m)			
	Level difference	IU - OU	Max.	m	15.0			20.0	
	Heat insulation				Both liquid and gas pipes				

Standard Accessories : Drain plug; Quantity : 1;

Standard Accessories : Installation manual; Quantity : 1;

Standard Accessories : Refrigerant charge label; Quantity : 1;

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

Standard Accessories : General safety precautions; Quantity : 1;

2-5 Electrical Specifications					RXA20A	RXA25A	RXA35A	RXA42A	RXA50A
Power supply	Phase				1~				
	Frequency			Hz	50				
	Voltage				V				
Current - 50Hz	Maximum fuse amps (MFA)			A	10	13			
Wiring connections	For power supply			Quantity	3				
				Remark	Earth wire included				
	For connection with indoor			Quantity	4				
				Remark	Earth wire included				

Notes

Contains fluorinated greenhouse gases

See separate drawing for operation range

See separate drawing for electrical data

3 Electrical data

3 - 1 Electrical data

RXA20-50A

Unit combination restrictions		Power supply				COMP		OFM		IFM		
Outdoor unit	Indoor unit	①	②	③	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RXA20A2V1B	FTXA20A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	9,90	10	35	1,9	0,023	0,23	0,035	0,30
		50	230					1,8				
		50	240					1,7				
RXA25A2V1B	FTXA25A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	11,00	13	44	2,2	0,023	0,23	0,038	0,40
		50	230					2,1				
		50	240					2,1				
RXA35A2V1B	FTXA35A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	11,00	13	59	3,3	0,023	0,23	0,041	0,40
		50	230					3,1				
		50	240					3,0				
RXA42A2V1B	FTXA42A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	12,80	13	48	4,3	0,068	0,34	0,052	0,50
		50	230					4,2				
		50	240					4,0				
RXA50A2V1B	FTXA50A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	12,90	13	52	4,7	0,068	0,34	0,056	0,50
		50	230					4,5				
		50	240					4,3				

Notes

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

Symbols

- ① Hz
- ② Voltage
- ③ Voltage range
- MCA Minimum Circuit Ampere [A]
- MFA Maximum Fuse Ampere [A]
- RLA Rated load amps [A]

- COMP Compressor
- OFM Outdoor fan motor
- IFM Indoor fan motor
- FLA Full Load Ampere [A]
- kW Fan motor rated output [kW]
- RHz Rated operating frequency [Hz]

3D114707A

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

3

RXA20A

Cooling 50 Hz 220 - 240 V

AFR	11
BF	0,154

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

Heating

50 Hz 220 - 240 V

AFR	10,9
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Indoor temperature		Outdoor temperature [°C WB]											
EDB		-15		-10		-5		0		6		10	
°C	°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15		1,19	0,32	1,43	0,37	1,67	0,37	1,91	0,46	2,59	0,49	2,81	0,51
20		1,12	0,33	1,36	0,38	1,60	0,38	1,84	0,48	2,50	0,50	2,73	0,52
22		1,09	0,33	1,33	0,38	1,57	0,38	1,81	0,48	2,47	0,50	2,69	0,52
24		1,06	0,34	1,30	0,39	1,54	0,39	1,78	0,48	2,43	0,51	2,66	0,53
25		1,04	0,34	1,28	0,39	1,52	0,39	1,76	0,49	2,41	0,51	2,64	0,53
27		1,01	0,34	1,25	0,39	1,49	0,39	1,73	0,49	2,38	0,52	2,61	0,53

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 bold cells indicate the standard conditions.
- 2) The capacities are based on the following conditions:
 Corresponding refrigerant piping length: 5 m
 Level difference: 0m
- 3) The air flow rate and bypass factor are mentioned in the table.

3D115053

RXA25A

Cooling 50 Hz 220 - 240 V

AFR	11,5
BF	0,167

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

Heating

50 Hz 220 - 240 V

AFR	11,1
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Indoor temperature		Outdoor temperature [°C WB]											
EDB		-15		-10		-5		0		6		10	
°C	°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15		1,33	0,36	1,60	0,42	1,87	0,42	2,14	0,52	2,90	0,55	3,15	0,57
20		1,25	0,37	1,52	0,43	1,79	0,43	2,06	0,53	2,80	0,56	3,05	0,58
22		1,22	0,37	1,49	0,43	1,76	0,43	2,02	0,54	2,76	0,57	3,01	0,58
24		1,19	0,38	1,45	0,43	1,72	0,43	1,99	0,54	2,72	0,57	2,98	0,59
25		1,17	0,38	1,44	0,44	1,71	0,44	1,98	0,54	2,70	0,57	2,96	0,59
27		1,14	0,38	1,41	0,44	1,67	0,44	1,94	0,55	2,66	0,58	2,92	0,60

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 bold cells indicate the standard conditions.
- 2) The capacities are based on the following conditions:
 Corresponding refrigerant piping length: 5 m
 Level difference: 0m
- 3) The air flow rate and bypass factor are mentioned in the table.

3D115054

4 Capacity tables

4 - 2 Cooling/Heating Capacity Tables

RXA35A

Cooling 50 Hz 220 - 240 V

AFR	11,9
BF	0,189

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

Heating 50 Hz 220 - 240 V

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	0,64	2,29	0,74	2,67	0,74	3,06	0,92	4,14	0,97	4,50	1,00
20	20	1,79	0,66	2,17	0,75	2,56	0,75	2,94	0,94	4,00	0,99	4,36	1,02
22	22	1,74	0,66	2,12	0,76	2,51	0,76	2,89	0,95	3,94	1,00	4,31	1,03
24	24	1,69	0,67	2,08	0,77	2,46	0,77	2,85	0,96	3,89	1,01	4,25	1,04
25	25	1,67	0,67	2,05	0,77	2,44	0,77	2,82	0,96	3,86	1,01	4,22	1,04
27	27	1,62	0,68	2,01	0,78	2,39	0,78	2,77	0,97	3,81	1,02	4,17	1,05

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

- The bold cells indicate the standard conditions.
- The capacities are based on the following conditions:
 Corresponding refrigerant piping length: 5 m
 Level difference: 0m
- The air flow rate and bypass factor are mentioned in the table.

3D115055

RXA42A

Cooling 50 Hz 220 - 240 V

AFR	13,1
BF	0,225

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	4,17	3,25	0,76	4,11	3,23	0,86	3,91	3,18	0,93	3,83	3,17	0,96	3,72	3,15	1,01	3,52	3,14	1,08
16	22	4,50	3,13	0,79	4,30	3,06	0,86	4,11	3,01	0,94	4,03	2,99	0,97	3,91	2,96	1,01	3,71	2,93	1,09
18	25	4,69	3,30	0,79	4,49	3,26	0,87	4,30	3,23	0,94	4,22	3,22	0,97	4,10	3,21	1,02	3,91	3,21	1,09
19	27	4,79	3,59	0,79	4,59	3,58	0,87	4,40	3,59	0,94	4,32	3,60	0,97	4,20	3,62	1,02	4,00	3,69	1,09
22	30	5,08	3,24	0,80	4,88	3,21	0,88	4,69	3,19	0,95	4,61	3,18	0,98	4,49	3,18	1,03	4,29	3,20	1,10
24	32	5,27	3,02	0,80	5,07	2,99	0,88	4,88	2,96	0,95	4,80	2,95	0,99	4,68	2,94	1,03	4,49	2,93	1,11

Heating 50 Hz 220 - 240 V

AFR	14,6
-----	------

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	2,57	0,84	3,09	0,97	3,61	0,97	4,13	1,22	5,59	1,28	6,07	1,32
20	20	2,41	0,87	2,93	1,00	3,45	1,00	3,97	1,25	5,40	1,31	5,89	1,35
22	22	2,35	0,88	2,87	1,01	3,39	1,01	3,90	1,26	5,33	1,32	5,81	1,37
24	24	2,29	0,89	2,80	1,02	3,32	1,02	3,84	1,27	5,25	1,33	5,74	1,38
25	25	2,25	0,89	2,77	1,02	3,29	1,02	3,81	1,28	5,21	1,34	5,70	1,38
27	27	2,19	0,90	2,71	1,03	3,23	1,03	3,75	1,29	5,14	1,35	5,63	1,40

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

- The bold cells indicate the standard conditions.
- The capacities are based on the following conditions:
 Corresponding refrigerant piping length: 5 m
 Level difference: 0m
- The air flow rate and bypass factor are mentioned in the table.

3D115056

4 Capacity tables

4 - 3 Cooling/Heating Capacity Tables

3

RXA50A

Cooling

50 Hz 220 - 240 V

AFR	13,5
BF	0,17

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	4,60	3,75	0,97	4,60	3,75	1,10	4,60	3,75	1,23	4,56	3,74	1,28	4,42	3,72	1,34	4,19	3,70	1,44
16	22	5,35	3,71	1,05	5,12	3,63	1,15	4,89	3,56	1,25	4,79	3,53	1,29	4,65	3,50	1,35	4,42	3,46	1,45
18	25	5,58	3,90	1,05	5,35	3,85	1,15	5,12	3,81	1,26	5,02	3,80	1,30	4,88	3,78	1,36	4,65	3,78	1,46
19	27	5,70	4,24	1,06	5,47	4,22	1,16	5,23	4,22	1,26	5,14	4,23	1,30	5,00	4,25	1,36	4,77	4,32	1,46
22	30	6,04	3,83	1,07	5,81	3,79	1,17	5,58	3,76	1,27	5,49	3,75	1,31	5,35	3,75	1,37	5,11	3,76	1,47
24	32	6,27	3,58	1,07	6,04	3,53	1,17	5,81	3,49	1,27	5,72	3,48	1,31	5,58	3,47	1,37	5,34	3,46	1,47

Heating

50 Hz 220 - 240 V

AFR	15,1
-----	------

Indoor temperature		Outdoor temperature [°C WB]											
EDB		-15		-10		-5		0		6		10	
°C	°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	15	2,76	0,93	3,32	1,08	3,88	1,08	4,43	1,35	6,00	1,42	6,52	1,47
20	20	2,59	0,96	3,15	1,10	3,71	1,10	4,26	1,38	5,80	1,45	6,32	1,50
22	22	2,52	0,97	3,08	1,11	3,64	1,11	4,19	1,39	5,72	1,46	6,24	1,51
24	24	2,46	0,98	3,01	1,12	3,57	1,12	4,13	1,40	5,64	1,48	6,16	1,52
25	25	2,42	0,99	2,98	1,13	3,54	1,13	4,09	1,41	5,60	1,48	6,12	1,53
27	27	2,35	1,00	2,91	1,14	3,47	1,14	4,02	1,42	5,52	1,50	6,04	1,54

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

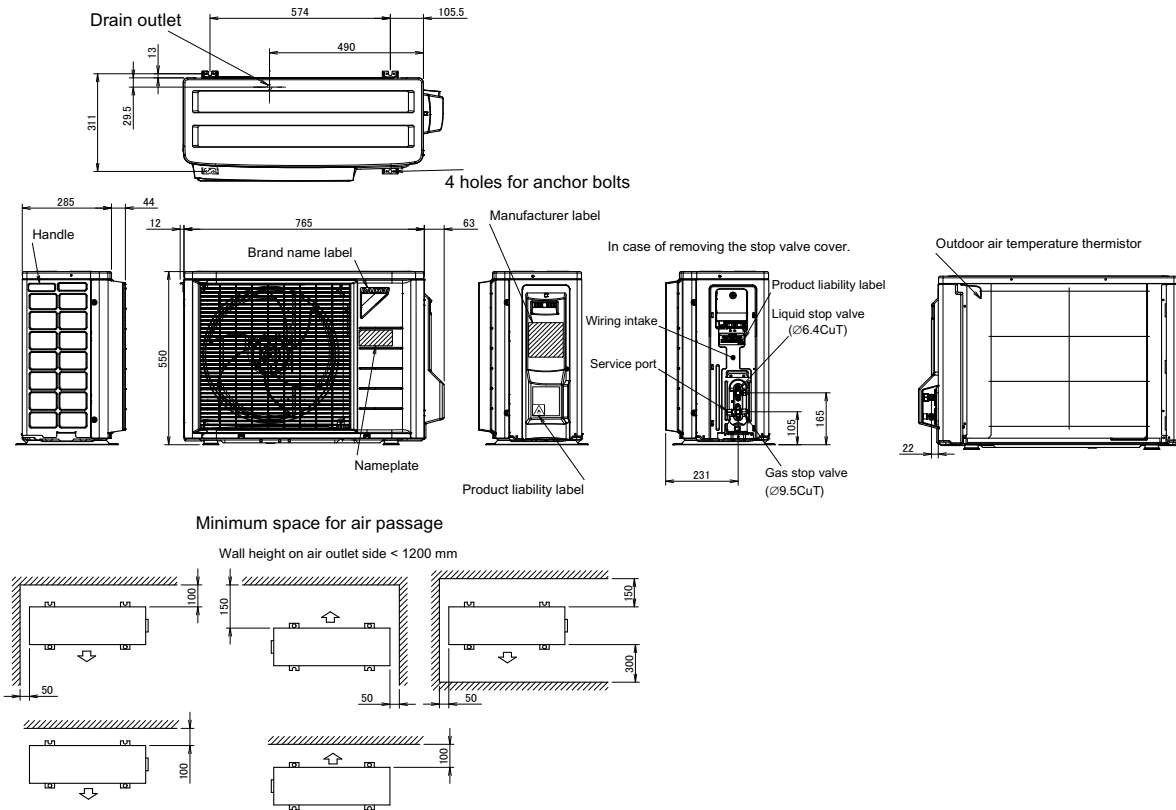
- 1) The bold cells indicate the standard conditions.
- 2) The capacities are based on the following conditions:
Corresponding refrigerant piping length: 5 m
Level difference: 0m
- 3) The air flow rate and bypass factor are mentioned in the table.

3D115057

5 Dimensional drawings

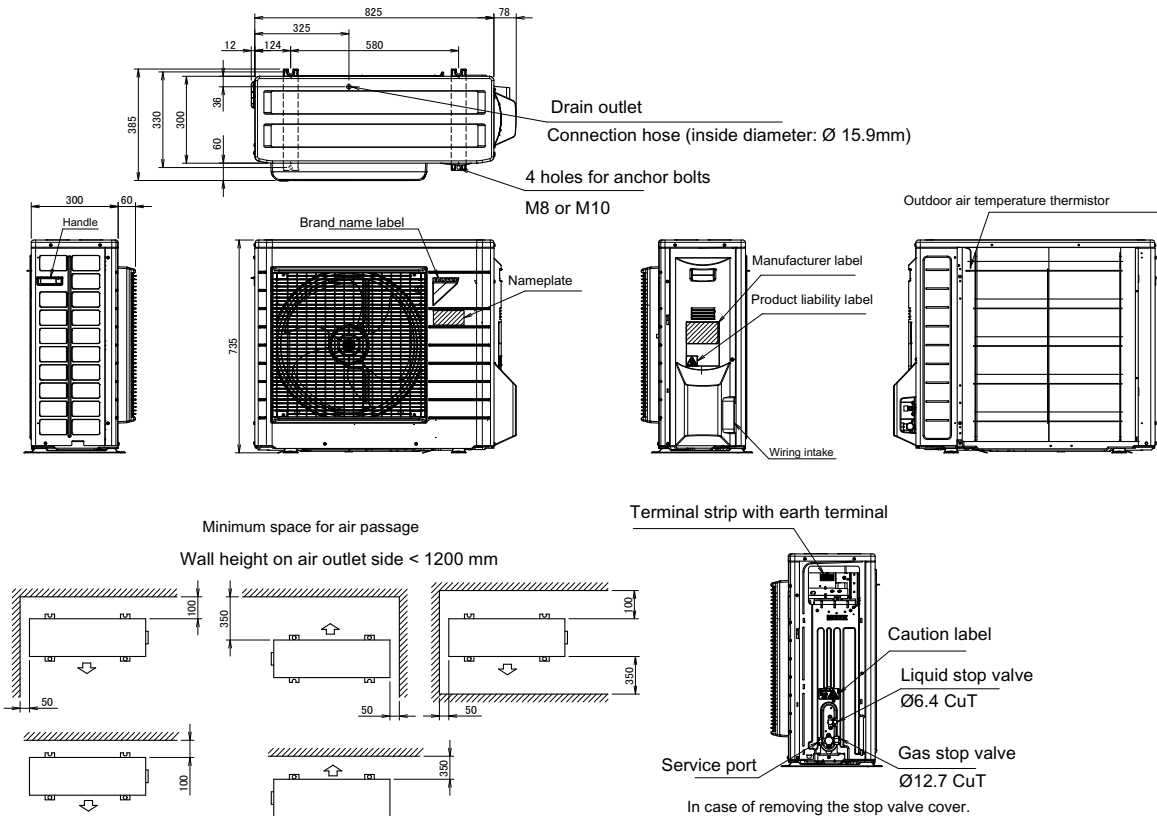
5 - 1 Dimensional Drawings

RXA20-35A



3D099636A

RXA42-50A



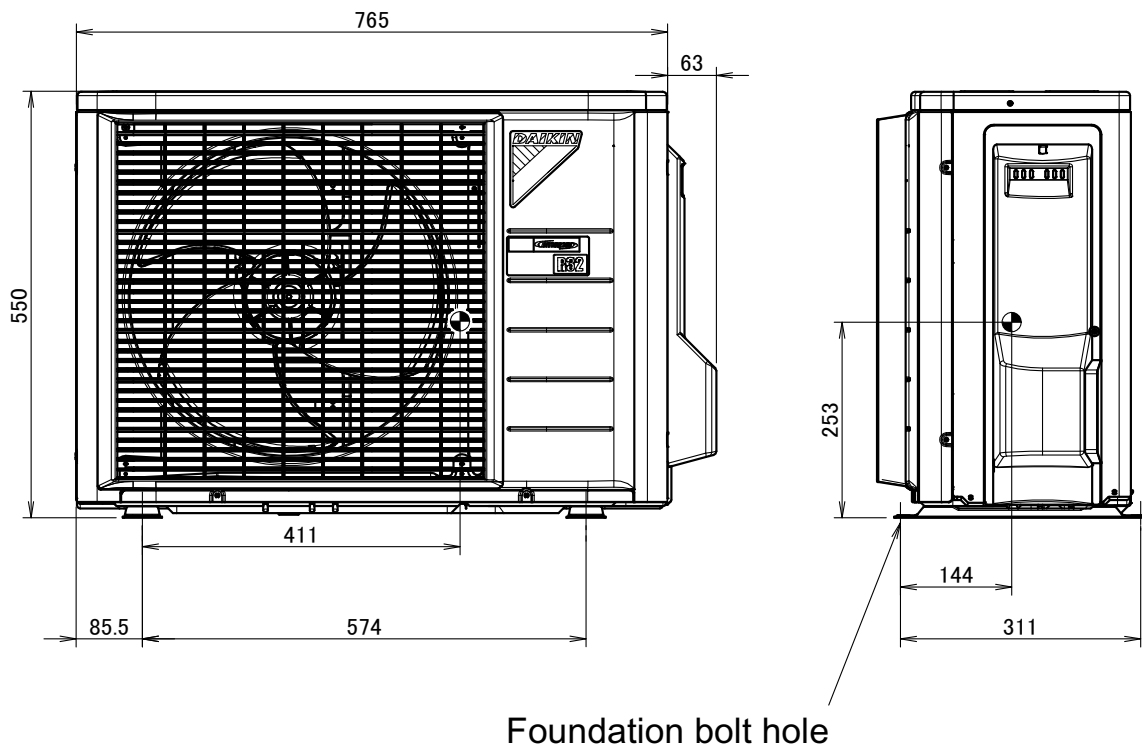
3D101541C

6 Centre of gravity

6 - 1 Centre of Gravity

5

RXA20-35A

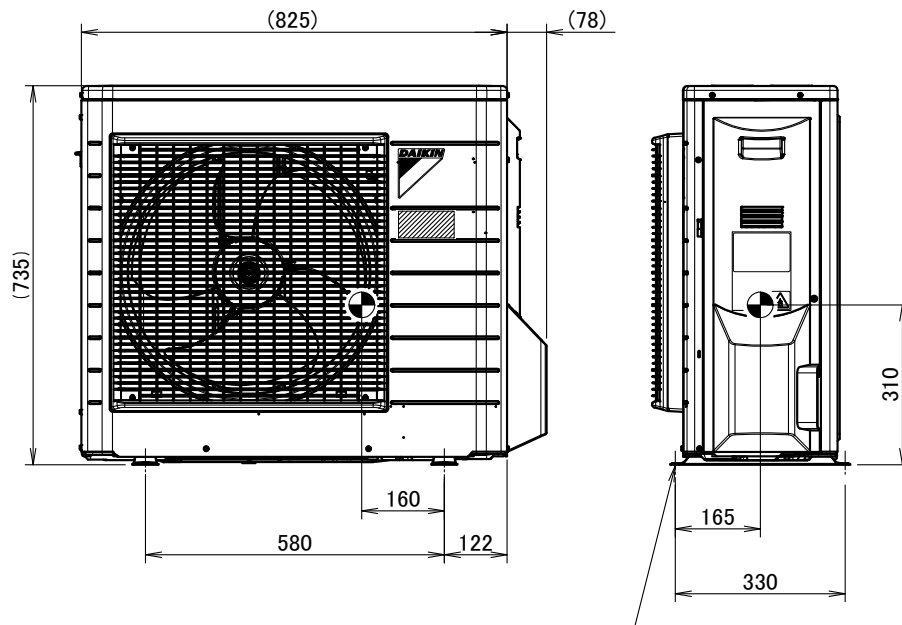


4D099652

6 Centre of gravity

6 - 2 Centre of Gravity

RXA42-50A



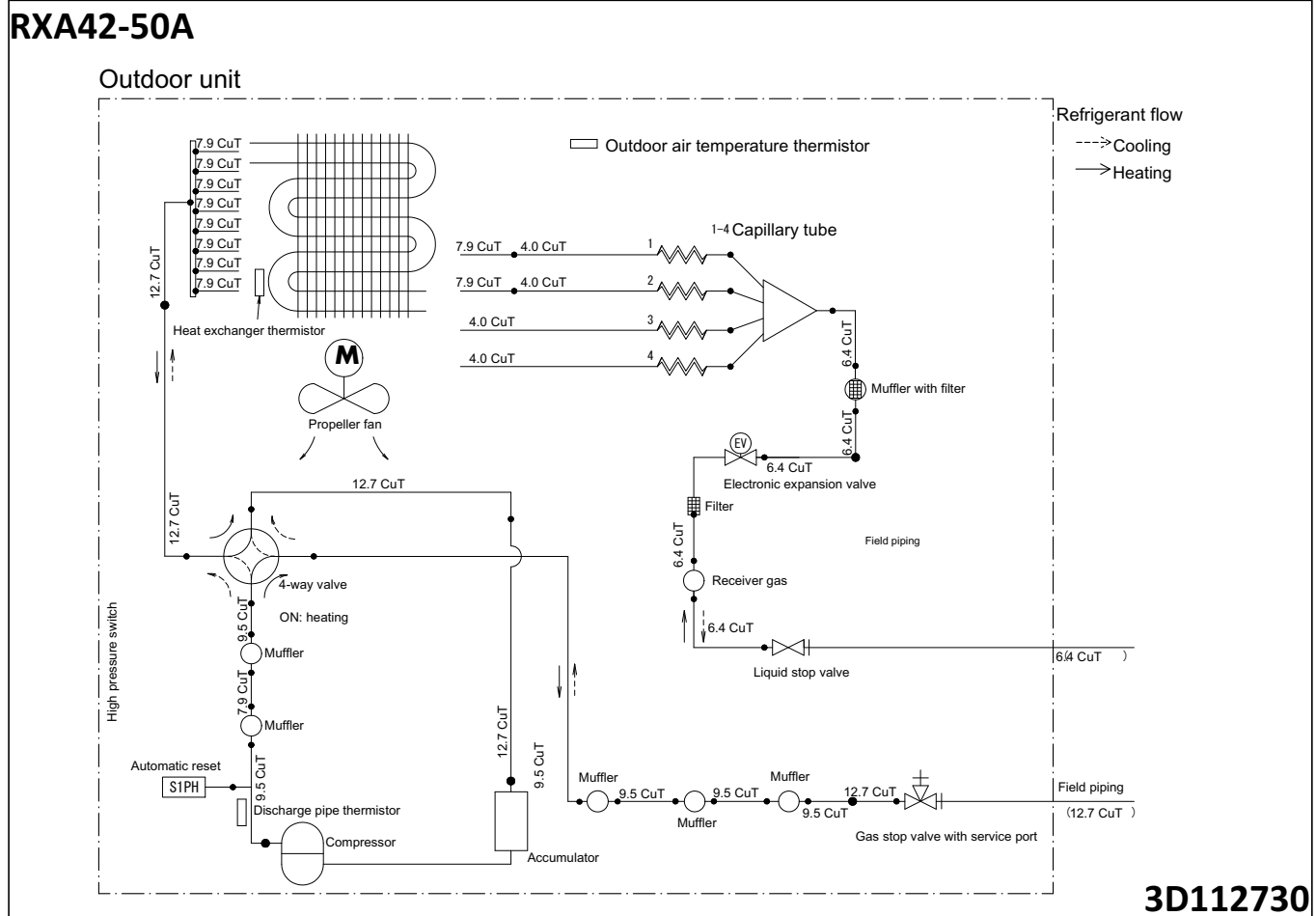
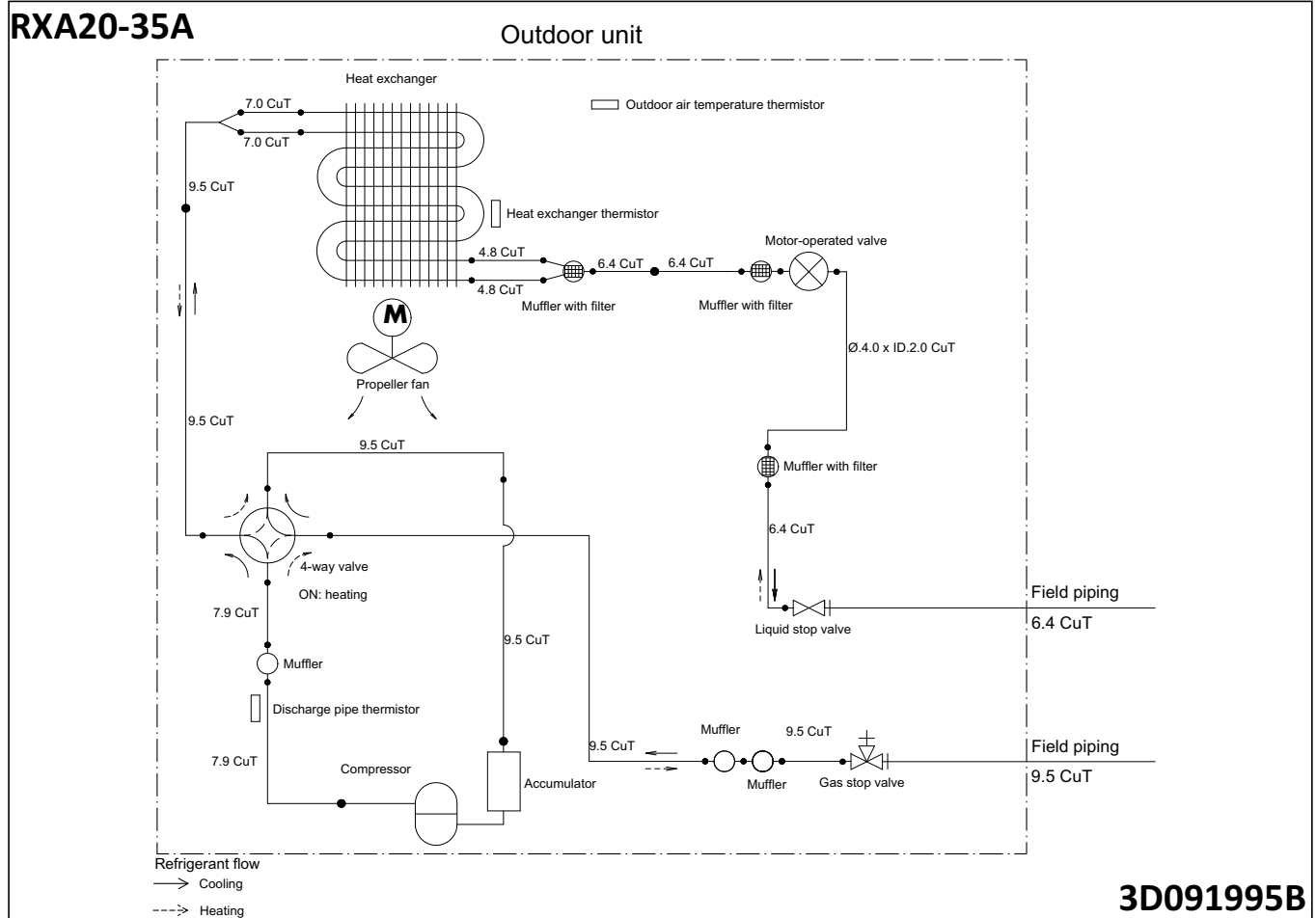
Foundation bolt hole

4D102113A

7 Piping diagrams

7 - 1 Piping Diagrams

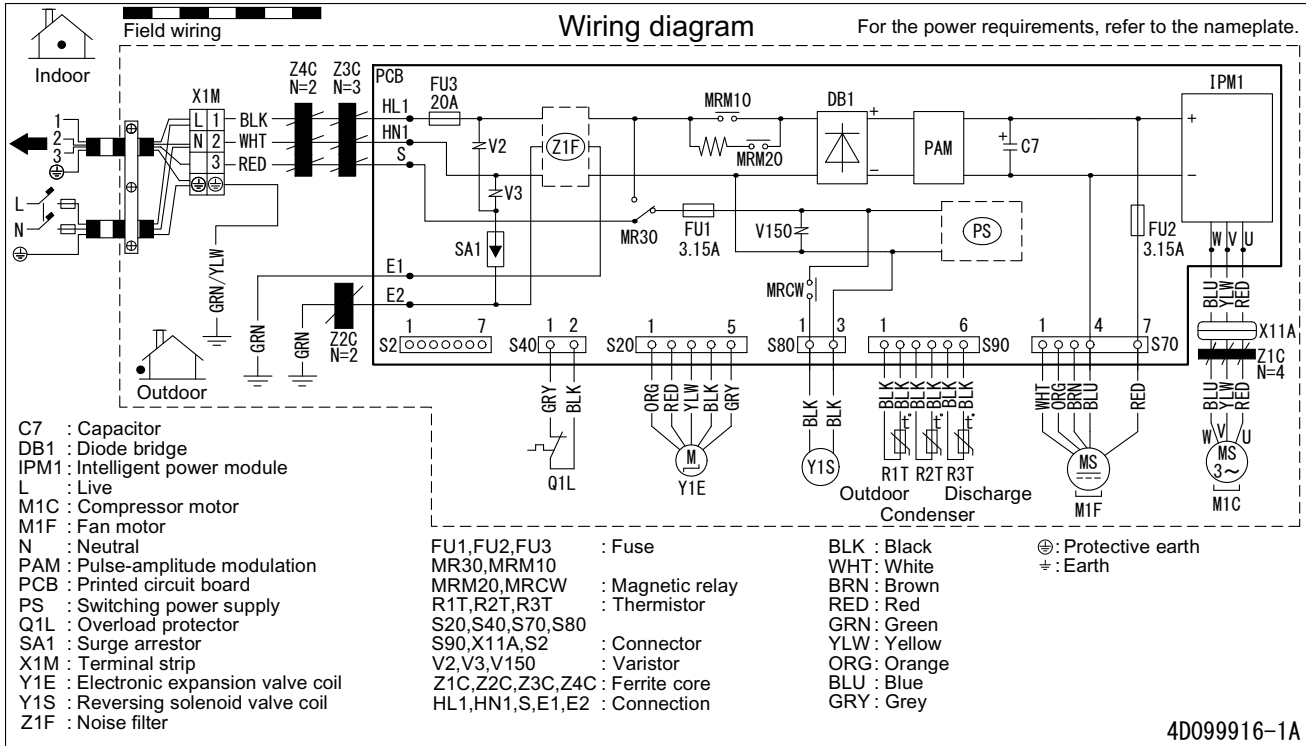
6



8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

RXA20-35A



Notes

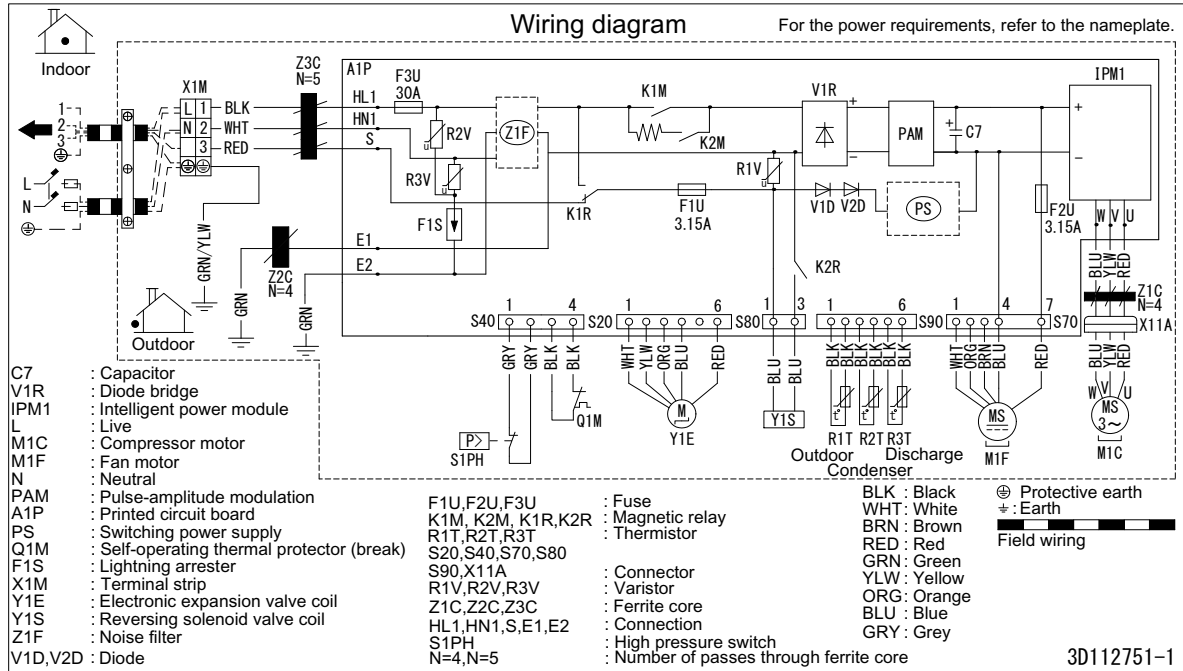
1. Size: 140 x 80
2. Refer to purchasing specification AS303002, unless otherwise specified.

8 Wiring diagrams

8 - 2 Wiring Diagrams - Single Phase

7

RXA42-50A



NOTES:

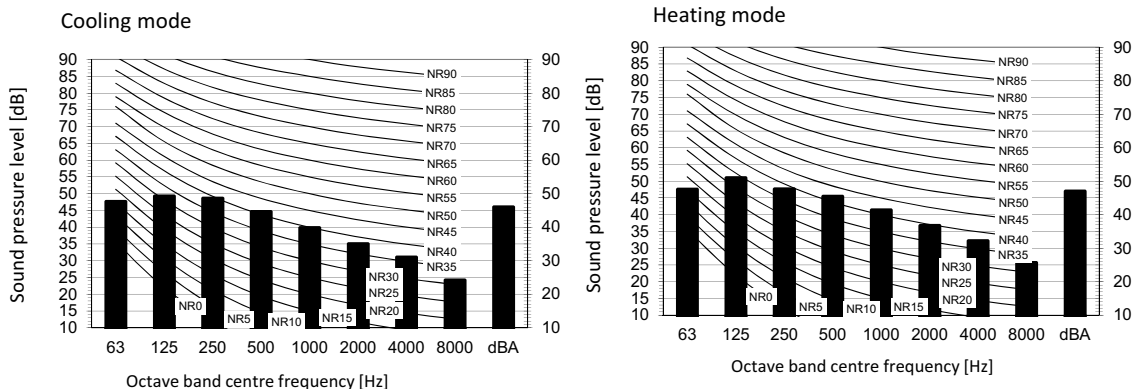
1. Size: length 105 x width 185.
2. Refer to purchasing specification AS303002 unless otherwise specified.

3D112751

9 Sound data

9 - 1 Sound Pressure Spectrum

RXA20-25A

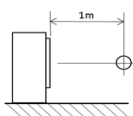


Legend

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

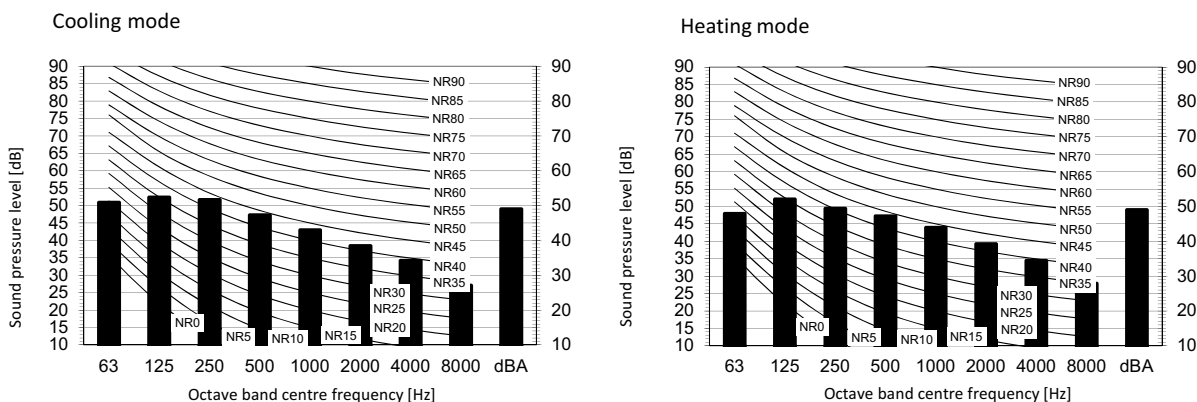
A	B
dBA	47

Notes

- 1 Background noise already taken into account.
- 2 Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- 3 Operating noise varies depending on operation and ambient conditions.
- 4 The operation noise measuring method is in accordance with JISC 9612.
- 5 Measuring location: anechoic chamber

3D114925

RXA35A

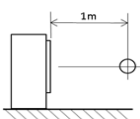


Legend

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	49

Heating Total dB

A	B
dBA	49

Notes

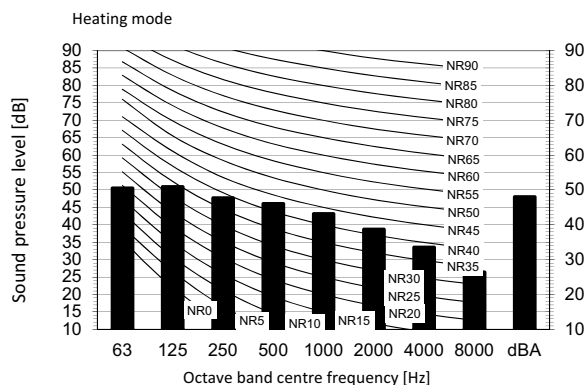
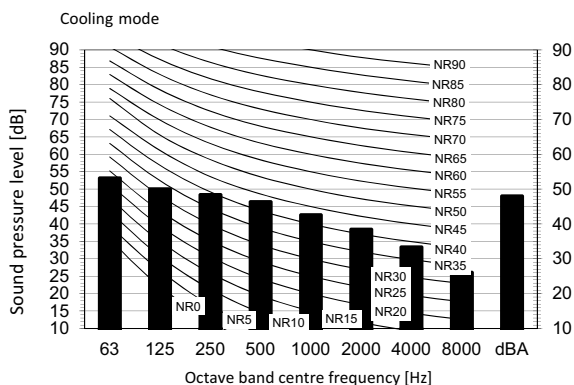
- 1 Background noise already taken into account.
- 2 Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- 3 Operating noise varies depending on operation and ambient conditions.
- 4 The operation noise measuring method is in accordance with JISC 9612.
- 5 Measuring location: anechoic chamber

3D114926

9 Sound data

9 - 2 Sound Pressure Spectrum

RXA42A

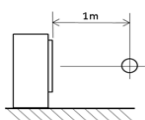


Legend

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

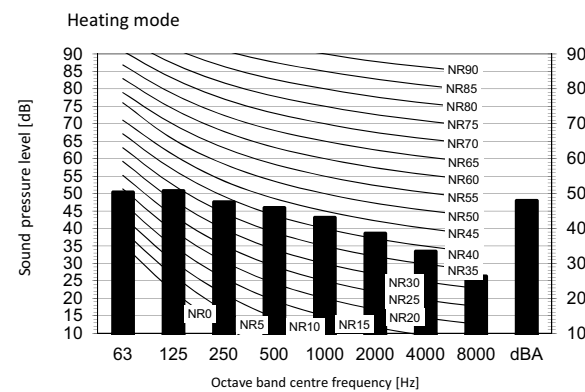
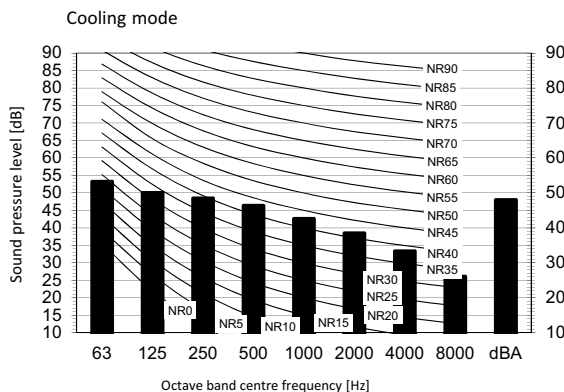
A	B
dBA	48

Notes

- 1 Background noise already taken into account.
- 2 Operating conditions: power source 220-240 V/220 V 50/60 Hz;
- 3 JIS standard Operating noise varies depending on operation and ambient conditions.
- 4 The operation noise measuring method is in accordance with JISC 9612.
- 5 Measuring location: anechoic chamber

3D114927

RXA50A

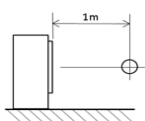


Legend

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	48

Notes

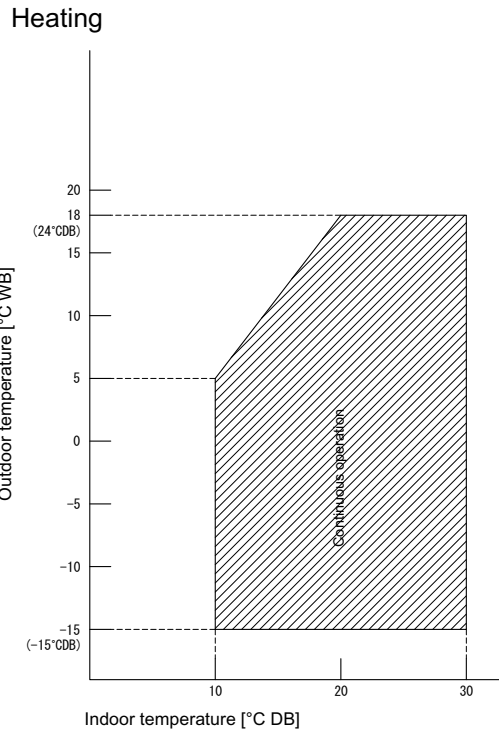
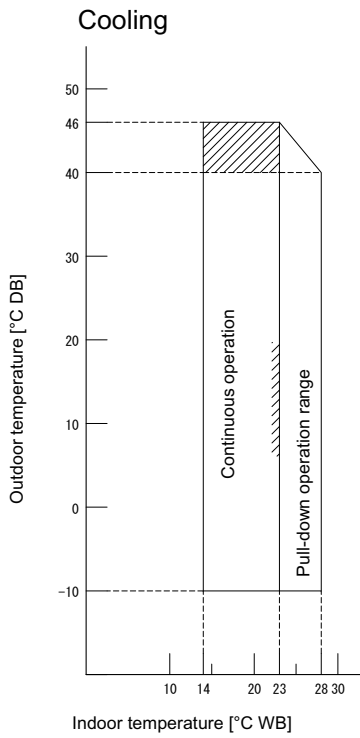
- 1 Background noise already taken into account.
- 2 Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- 3 Operating noise varies depending on operation and ambient conditions.
- 4 The operation noise measuring method is in accordance with JISC 9612.
- 5 Measuring location: anechoic chamber

3D114928

10 Operation range

10 - 1 Operation Range

RXA20-35A

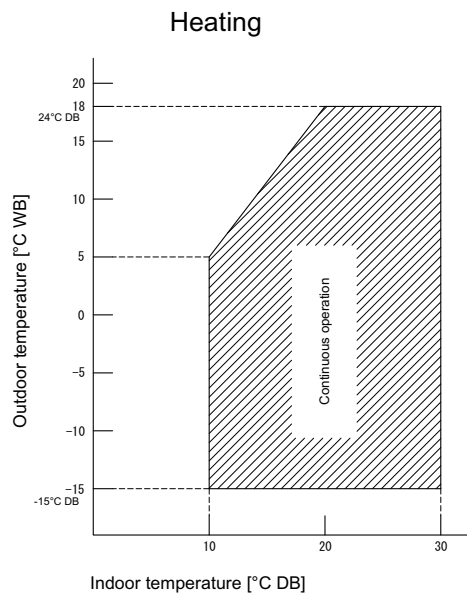
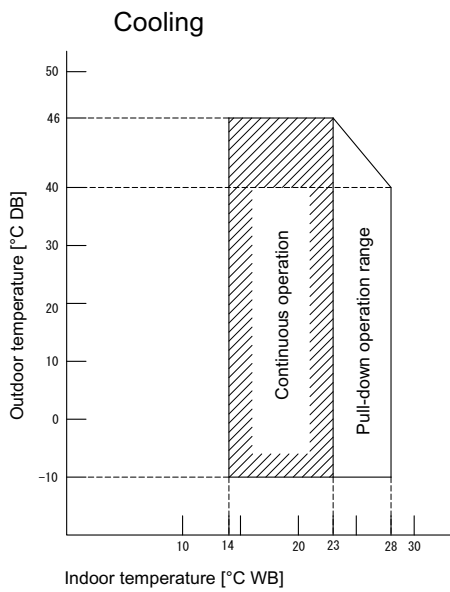


Notes

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

3D092127C

RXA42-50A



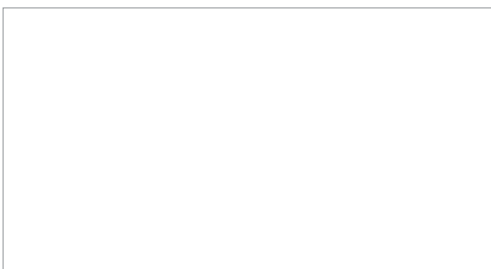
Notes

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

3D100846C



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EEEN18 03/18



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