

Air Conditioning
Technical Data

RXA-B



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RXA-B

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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



Outdoor unit
silent operation

2 Specifications

2-1 Capacity and Power input				FTXA42AW/RXA42B		FTXA50AW/RXA50B	
Indoor unit				FTXA42A2V1BW		FTXA50A2V1BW	
Outdoor unit				RXA42B2V1B		RXA50B2V1B	
Cooling capacity	Min.		kW	1.7			
			Btu/h	5,800.0			
			kcal/h	1,460.0			
	Nom.		kW	4.2		5.0	
			Btu/h	14,300.0		17,100.0	
			kcal/h	3,610.0		4,300.0	
	Max.		kW	5.0		5.3	
			Btu/h	17,100.0		18,100.0	
			kcal/h	4,300.0		4,560.0	
Heating capacity	Min.		kW	1.70			
			Btu/h	5,800.0			
			kcal/h	1,460.0			
	Nom.		kW	5.40		5.80	
			Btu/h	18,400.0		19,800.0	
			kcal/h	4,640.0		4,990.0	
	Max.		kW	6.00		6.50	
			Btu/h	20,500.0		22,200.0	
			kcal/h	5,160.0		5,590.0	
Power input	Cooling	Nom.	kW	1.05		1.36	
	Heating	Nom.	kW	1.31		1.45	
Space cooling	Capacity	Pdesign	kW	4.20		5.00	
	Energy efficiency class			A++			
	SEER			7.50		7.33	
	Annual energy consumption		kWh/a	196		239	
	A Condition (35°C - 27/19)	Pdc	kW	4.20		5.00	
		EERd		3.99		3.68	
		Power input	kW	1.05		1.36	
	B Condition (30°C - 27/19)	Pdc	kW	3.09		3.68	
		EERd		5.54		5.29	
		Power input	kW	0.56		0.70	
	C Condition (25°C - 27/19)	Pdc	kW	1.99		2.37	
		EERd		9.31		9.24	
		Power input	kW	0.21		0.26	
	D Condition (20°C - 27/19)	Pdc	kW	1.86		1.87	
		EERd		12.06		12.03	
		Power input	kW	0.15		0.16	

2 Specifications

2-1 Capacity and Power input					FTXA42AW/RXA42B		FTXA50AW/RXA50B				
Space heating (Average climate)	Capacity	Pdesign	kW		3.80		4.00				
	Energy efficiency class				A++						
	SCOP/A				4.60						
	SCOPnet/A				4.63		4.61				
	Pdh Heating capacity at -10°		kW		3.56		3.76				
	Annual energy consumption		kWh/a		1,150		1,217				
	Required back up heating cap at design conditions		kW		0.24						
	TOL	Tol (temperature operating limit)	°C	-15							
				Pdh (declared heating cap)	kW	3.90		4.12			
						COPd (declared COP)		2.04		2.16	
						Power input		kW		1.91	
	TBivalent	Tbiv (bivalent temperature)	°C	-7							
				Pdh (declared heating cap)	kW	3.36		3.54			
						COPd (declared COP)		3.24		3.16	
						Power input		kW		1.04	
	A Condition (-7°C)	Pdh (declared heating cap)	kW	3.36		3.54					
				COPd (declared COP)		3.24		3.16			
				Power input		kW		1.04		1.12	
	B Condition (2°C)	Pdh (declared heating cap)	kW	2.05		2.15					
				COPd (declared COP)		4.44		4.43			
				Power input		kW		0.46		0.49	
	C Condition (7°C)	Pdh (declared heating cap)	kW	1.65		1.71					
				COPd (declared COP)		6.33		6.32			
				Power input		kW		0.26		0.27	
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.52							
				COPd (declared COP)		7.35		7.25			
				Power input		kW		0.21			
Current	Nominal running current (RLA) - 50Hz	Cooling	A	4.89		6.21					
		Heating	A	5.96		6.53					
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	62.0						
	Sound power level indoor	Cooling	Nom.	dBA	60.0						
	Piping length	Cooling	Measuring condition	m	5.0						
Nominal efficiency	EER				3.99		3.68				
	COP				4.12		4.00				
	Energy labeling Directive	Cooling			A						
		Heating			A						

2 Specifications

2-1 Capacity and Power input					FTXA42AW/RXA42B		FTXA50AW/RXA50B	
Power consumption in other than active mode	Thermostat-off mode	PTO	Cooling	W	12			
			Heating	W	13			
	Crankcase heater mode	PCK		W	0.0			
	Off mode	POFF		W	1.0			
	Standby mode	Cooling	PSB	W	1.0			
		Heating	PSB	W	1.0			
Power factor	Nominal	Cooling		%	93.40 (1)		95.30 (1)	
		Heating		%	95.50 (1)		96.50 (1)	
Space heating (Warm climate)	Capacity	Pdesignh		kW	2.15			
	Energy efficiency class				A+++			
	SCOP				5.93		5.84	
	SCOPnet				6.03		5.95	
	Annual energy consumption			kWh/a	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	3.90		4.12	
		COPd (declared COP)			2.04		2.16	
		Power input		kW	1.91			
	TBivalent	Tbiv (bivalent temperature)		°C	2			
		Pdh (declared heating cap)		kW	2.15			
		COPd (declared COP)			4.42		4.43	
		Power input		kW	0.49			
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.15			
		COPd (declared COP)			4.42		4.43	
		Power input		kW	0.49			
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.71			
		COPd (declared COP)			6.43		6.32	
		Power input		kW	0.27			
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.52			
		COPd (declared COP)			7.35		7.25	
		Power input		kW	0.21			

Notes

(1) Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m.

See separate drawing for electrical data

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

2-2 Capacity and Power input					FTXA42AS/RXA42B	FTXA50AS/RXA50B
Indoor unit					FTXA42A2V1BS	FTXA50A2V1BS
Outdoor unit					RXA42B2V1B	RXA50B2V1B
Cooling capacity	Min.		kW		1.7	
			Btu/h		5,800.0	
			kcal/h		1,460.0	
	Nom.		kW	4.2		5.0
			Btu/h	14,300.0		17,100.0
			kcal/h	3,610.0		4,300.0
	Max.		kW	5.0		5.3
			Btu/h	17,100.0		18,100.0
			kcal/h	4,300.0		4,560.0

2 Specifications

2-2 Capacity and Power input				FTXA42AS/RXA42B		FTXA50AS/RXA50B	
Heating capacity	Min.		kW	1.70			
			Btu/h	5,800.0			
			kcal/h	1,460.0			
	Nom.		kW	5.40		5.80	
			Btu/h	18,400.0		19,800.0	
			kcal/h	4,640.0		4,990.0	
	Max.		kW	6.00		6.50	
			Btu/h	20,500.0		22,200.0	
			kcal/h	5,160.0		5,590.0	
Power input	Cooling	Nom.	kW	1.05		1.36	
	Heating	Nom.	kW	1.31		1.45	
Space cooling	Capacity	Pdesign	kW	4.20		5.00	
	Energy efficiency class			A++			
	SEER			7.50		7.33	
	Annual energy consumption		kWh/a	196		239	
	A Condition (35°C - 27/19)	Pdc	kW	4.20		5.00	
		EERd		3.99		3.68	
		Power input	kW	1.05		1.36	
	B Condition (30°C - 27/19)	Pdc	kW	3.09		3.68	
		EERd		5.54		5.29	
		Power input	kW	0.56		0.70	
	C Condition (25°C - 27/19)	Pdc	kW	1.99		2.37	
		EERd		9.31		9.24	
		Power input	kW	0.21		0.26	
	D Condition (20°C - 27/19)	Pdc	kW	1.86		1.87	
		EERd		12.06		12.03	
		Power input	kW	0.15		0.16	

2 Specifications

2-2 Capacity and Power input					FTXA42AS/RXA42B		FTXA50AS/RXA50B	
Space heating (Average climate)	Capacity	Pdesign	kW		3.80		4.00	
	Energy efficiency class				A++			
	SCOP/A				4.60			
	SCOPnet/A				4.63		4.61	
	Pdh Heating capacity at -10°		kW		3.56		3.76	
	Annual energy consumption		kWh/a		1,150		1,217	
	Required back up heating cap at design conditions		kW		0.24			
	TOL	Tol (temperature operating limit)	°C		-15			
			kW		3.90		4.12	
			COPd (declared COP)		2.04		2.16	
			Power input		kW		1.91	
	TBivalent	Tbiv (bivalent temperature)	°C		-7			
			kW		3.36		3.54	
			COPd (declared COP)		3.24		3.16	
			Power input		kW		1.04	
	A Condition (-7°C)	Pdh (declared heating cap)	kW		3.36		3.54	
			COPd (declared COP)		3.24		3.16	
			Power input		kW		1.04	
	B Condition (2°C)	Pdh (declared heating cap)	kW		2.05		2.15	
			COPd (declared COP)		4.44		4.43	
			Power input		kW		0.46	
	C Condition (7°C)	Pdh (declared heating cap)	kW		1.65		1.71	
			COPd (declared COP)		6.33		6.32	
			Power input		kW		0.26	
	D Condition (12°C)	Pdh (declared heating cap)	kW		1.52			
			COPd (declared COP)		7.35		7.25	
			Power input		kW		0.21	
Current	Nominal running current (RLA) - 50Hz	Cooling	A	4.89		6.21		
		Heating	A	5.96		6.53		
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	62.0			
	Sound power level indoor	Cooling	Nom.	dBA	60.0			
	Piping length	Cooling	Measuring condition	m	5.0			
Nominal efficiency	EER				3.99		3.68	
	COP				4.12		4.00	
	Energy labeling Directive	Cooling			A			
		Heating			A			

2 Specifications

2-2 Capacity and Power input					FTXA42AS/RXA42B	FTXA50AS/RXA50B
Power consumption in other than active mode	Thermostat-off mode	PTO	Cooling	W	12	
			Heating	W	13	
	Crankcase heater mode	PCK		W	0.0	
	Off mode	POFF		W	1.0	
	Standby mode	Cooling	PSB	W	1.0	
		Heating	PSB	W	1.0	
Power factor	Nominal	Cooling		%	93.40 (1)	95.30 (1)
		Heating		%	95.50 (1)	96.50 (1)
Space heating (Warm climate)	Capacity	Pdesignh		kW	2.15	
	Energy efficiency class				A+++	
	SCOP				5.93	5.84
	SCOPnet				6.03	5.95
	Annual energy consumption			kWh/a	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	3.90	4.12
		COPd (declared COP)			2.04	2.16
		Power input		kW	1.91	
	TBivalent	Tbiv (bivalent temperature)		°C	2	
			Pdh (declared heating cap)	kW	2.15	
		COPd (declared COP)			4.42	4.43
		Power input		kW	0.49	
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.15	
			COPd (declared COP)		4.42	4.43
		Power input		kW	0.49	
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.71	
			COPd (declared COP)		6.43	6.32
		Power input		kW	0.27	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.52	
			COPd (declared COP)		7.35	7.25
		Power input		kW	0.21	

Notes

(1) Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m.

See separate drawing for electrical data

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

2-3 Capacity and Power input					FTXA42AT/RXA42B	FTXA50AT/RXA50B
Indoor unit					FTXA42A2V1BT	FTXA50A2V1BT
Outdoor unit					RXA42B2V1B	RXA50B2V1B
Cooling capacity	Min.		kW		1.7	
			Btu/h		5,800.0	
			kcal/h		1,460.0	
	Nom.		kW	4.2		5.0
			Btu/h	14,300.0		17,100.0
			kcal/h	3,610.0		4,300.0
	Max.		kW	5.0		5.3
			Btu/h	17,100.0		18,100.0
			kcal/h	4,300.0		4,560.0

2 Specifications

2-3 Capacity and Power input				FTXA42AT/RXA42B	FTXA50AT/RXA50B
Heating capacity	Min.		kW	1.70	
			Btu/h	5,800.0	
			kcal/h	1,460.0	
	Nom.		kW	5.40	5.80
			Btu/h	18,400.0	19,800.0
			kcal/h	4,640.0	4,990.0
	Max.		kW	6.00	6.50
			Btu/h	20,500.0	22,200.0
			kcal/h	5,160.0	5,590.0
Power input	Cooling	Nom.	kW	1.05	1.36
	Heating	Nom.	kW	1.31	1.45
Space cooling	Capacity	Pdesign	kW	4.20	5.00
	Energy efficiency class			A++	
	SEER			7.50	7.33
	Annual energy consumption		kWh/a	196	239
	A Condition (35°C - 27/19)	Pdc	kW	4.20	5.00
		EERd		3.99	3.68
		Power input	kW	1.05	1.36
	B Condition (30°C - 27/19)	Pdc	kW	3.09	3.68
		EERd		5.54	5.29
		Power input	kW	0.56	0.70
	C Condition (25°C - 27/19)	Pdc	kW	1.99	2.37
		EERd		9.31	9.24
		Power input	kW	0.21	0.26
	D Condition (20°C - 27/19)	Pdc	kW	1.86	1.87
		EERd		12.06	12.03
		Power input	kW	0.15	0.16

2 Specifications

2-3 Capacity and Power input					FTXA42AT/RXA42B		FTXA50AT/RXA50B		
Space heating (Average climate)	Capacity	Pdesign	kW		3.80		4.00		
	Energy efficiency class				A++				
	SCOP/A				4.60				
	SCOPnet/A				4.63		4.61		
	Pdh Heating capacity at -10°		kW		3.56		3.76		
	Annual energy consumption		kWh/a		1,150		1,217		
	Required back up heating cap at design conditions		kW		0.24				
	TOL	Tol (temperature operating limit)	°C	-15					
				Pdh (declared heating cap)	kW	3.90		4.12	
				COPd (declared COP)		2.04		2.16	
				Power input	kW	1.91			
	TBivalent	Tbiv (bivalent temperature)	°C	-7					
				Pdh (declared heating cap)	kW	3.36		3.54	
				COPd (declared COP)		3.24		3.16	
				Power input	kW	1.04		1.12	
	A Condition (-7°C)	Pdh (declared heating cap)	kW	3.36		3.54			
		COPd (declared COP)		3.24		3.16			
		Power input	kW	1.04		1.12			
	B Condition (2°C)	Pdh (declared heating cap)	kW	2.05		2.15			
		COPd (declared COP)		4.44		4.43			
		Power input	kW	0.46		0.49			
	C Condition (7°C)	Pdh (declared heating cap)	kW	1.65		1.71			
		COPd (declared COP)		6.33		6.32			
		Power input	kW	0.26		0.27			
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.52					
		COPd (declared COP)		7.35		7.25			
		Power input	kW	0.21					
Current	Nominal running current (RLA) - 50Hz	Cooling	A	4.89		6.21			
		Heating	A	5.96		6.53			
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	62.0				
	Sound power level indoor	Cooling	Nom.	dBA	60.0				
	Piping length	Cooling	Measuring condition	m	5.0				
Nominal efficiency	EER				3.99		3.68		
	COP				4.12		4.00		
	Energy labeling Directive	Cooling			A				
		Heating			A				

2 Specifications

2-3 Capacity and Power input					FTXA42AT/RXA42B		FTXA50AT/RXA50B	
Power consumption in other than active mode	Thermostat-off mode	PTO	Cooling	W	12			
			Heating	W	13			
	Crankcase heater mode	PCK		W	0.0			
	Off mode	POFF		W	1.0			
	Standby mode	Cooling	PSB	W	1.0			
		Heating	PSB	W	1.0			
Power factor	Nominal	Cooling		%	93.40 (1)		95.30 (1)	
		Heating		%	95.50 (1)		96.50 (1)	
Space heating (Warm climate)	Capacity	Pdesignh		kW	2.15			
	Energy efficiency class				A+++			
	SCOP				5.93		5.84	
	SCOPnet				6.03		5.95	
	Annual energy consumption			kWh/a	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	3.90		4.12	
		COPd (declared COP)			2.04		2.16	
		Power input		kW	1.91			
	TBivalent	Tbiv (bivalent temperature)		°C	2			
		Pdh (declared heating cap)		kW	2.15			
		COPd (declared COP)			4.42		4.43	
		Power input		kW	0.49			
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.15			
		COPd (declared COP)			4.42		4.43	
		Power input		kW	0.49			
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.71			
		COPd (declared COP)			6.43		6.32	
		Power input		kW	0.27			
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.52			
		COPd (declared COP)			7.35		7.25	
		Power input		kW	0.21			

Notes

(1) Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m.

See separate drawing for electrical data

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

2-4 Technical Specifications				RXA42B		RXA50B	
Capacity control	Method			Variable (inverter)			
Casing	Colour			Ivory white			
Dimensions	Unit	Height	mm	734			
		Width	mm	870			
		Depth	mm	373			
	Packed unit	Height	mm	820			
		Width	mm	1,050			
		Depth	mm	480			
Weight	Unit		kg	50			
	Packed unit		kg	54			
Packing	Weight		kg	4			

2 Specifications

2-4 Technical Specifications					RXA42B	RXA50B
Heat exchanger	Length		mm		920	
	Rows	Quantity			2	
	Fin pitch		mm		1.40	
	Stages	Quantity			32	
	Passes	Quantity			2.2	
	Tube type				ø7 Hi-XD	
	Fin	Type			Waffle fin (PE)	
Compressor	Model				2YC40JXD#C	
	Oil Amount		cm ³		650	
	Type				Hermetically sealed swing compressor	
	Output		W		1,300	
	Oil Type				FW68DA	
Fan	Type				Propeller fan	
	Air flow rate	Cooling	Nom.	m ³ /min	45.4	46.6
				cfm	1,602	1,645
		Heating	Nom.	m ³ /min	44.1	
				cfm	1,557	
Fan motor	Model				D55F-31	
	Output		W		55	
	Speed	Cooling	High	rpm	760	
			Nom.	rpm	740	760
			Low	rpm	740	
		Heating	High	rpm	720	
			Nom.	rpm	720	
			Low	rpm	660	
Sound power level	Cooling			dBA	62.0	
	Heating			dBA	62.0	
Sound pressure level	Cooling	Nom.		dBA	48.0	
	Heating	Nom.		dBA	48.0	
Refrigerant	Type				R-32	
	Charge		kg		1.10	
			TCO _{2eq}		0.75	
	GWP				675	
Piping connections	Liquid	OD	mm		6.4	
	Gas	OD	mm		12.7	
	Drain	OD	mm		16	
	Piping length	OU - IU	Max.	m	30	
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)	
	Level difference	IU - OU	Max.	m	20	
	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 : Drain cap (1); Quantity : 6;

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

2-5 Electrical Specifications					RXA42B	RXA50B
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	

2 Specifications

Notes

See separate drawing for operation range

See separate drawing for electrical data

Contains fluorinated greenhouse gases

3 Electrical data

3 - 1 Electrical Data

RXA-B

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				
RXA42B2V1B	FTXA42A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	12,84	13	45	4,1	0,056	0,37	0,052	0,50
		50	230					3,9				
		50	240					3,6				
RXA50B2V1B	FTXA50A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	12,84	13	59	5,4	0,056	0,37	0,056	0,50
		50	230					5,2				
		50	240					5,1				

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]

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4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXA42A / RXA42B

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	0,79	4,11	3,23	0,88	3,91	3,18	0,96	3,83	3,17	0,99	3,72	3,15	1,04	3,52	3,14	1,12
16	22	4,50	3,13	0,81	4,30	3,06	0,89	4,11	3,01	0,97	4,03	2,99	1,00	3,91	2,96	1,05	3,71	2,93	1,12
18	25	4,69	3,30	0,82	4,49	3,26	0,89	4,30	3,23	0,97	4,22	3,22	1,00	4,10	3,21	1,05	3,91	3,21	1,13
19	27	4,79	3,59	0,82	4,59	3,58	0,90	4,40	3,59	0,97	4,32	3,60	1,01	4,20	3,62	1,05	4,00	3,69	1,13
22	30	5,08	3,24	0,83	4,88	3,21	0,90	4,69	3,19	0,98	4,61	3,18	1,01	4,49	3,18	1,06	4,29	3,20	1,14
24	32	5,27	3,02	0,83	5,07	2,99	0,91	4,88	2,96	0,99	4,80	2,95	1,02	4,68	2,94	1,06	4,49	2,93	1,14

Heating 50 Hz 220 - 240 V

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

Indoor temperature		Outdoor temperature [°C WB]											
EDB		-15		-10		-5		0		6		10	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
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		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		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		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		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		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

- 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.

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FTXA50A / RXA50B

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		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
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		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		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		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		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		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

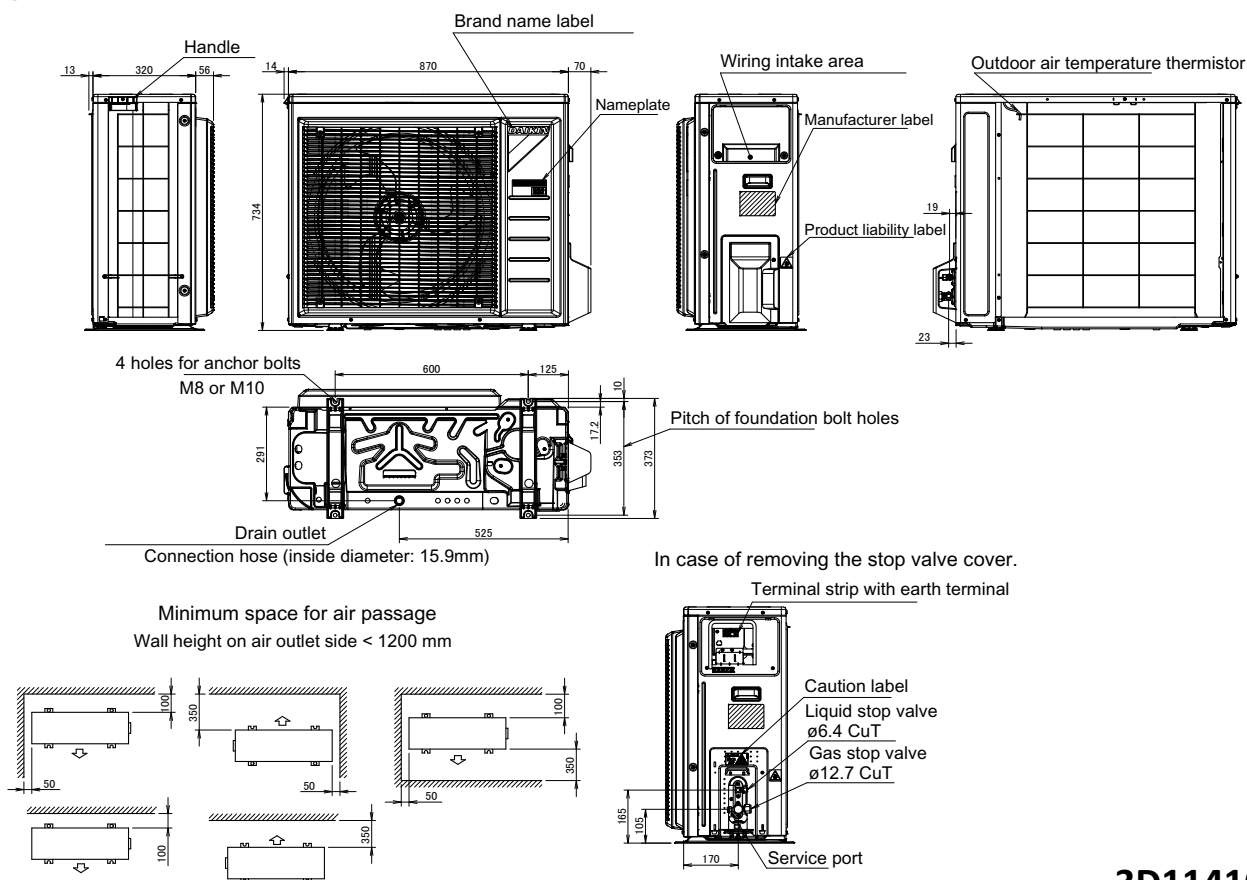
- 1) The bold cells indicate the standard conditions.
- 2) The capacities are based on the following conditions:
Corresponding refrigerant piping length: 5 m
Level difference: 0m
- 3) The air flow rate and bypass factor are mentioned in the table.

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5 Dimensional drawings

5 - 1 Dimensional Drawings

RXA-B

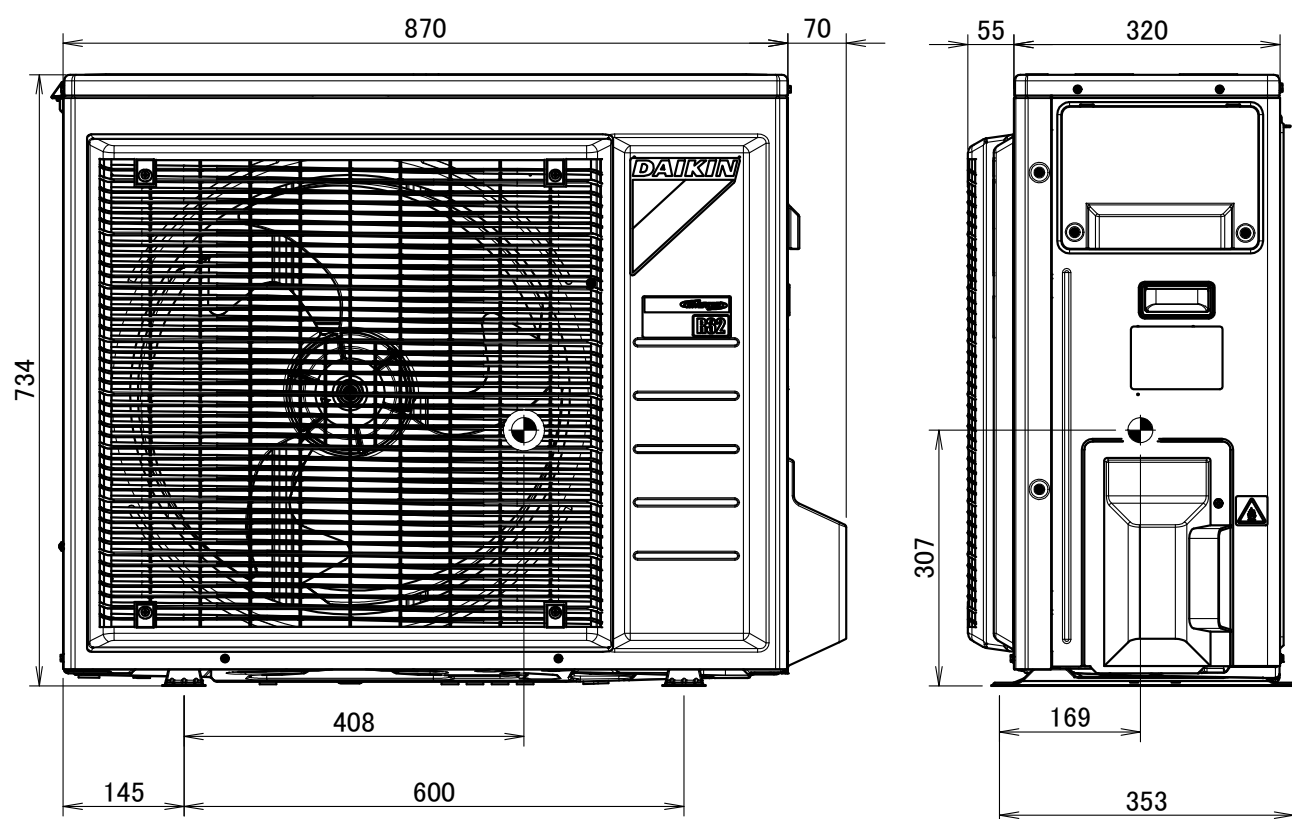


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6 Centre of gravity

6 - 1 Centre of Gravity

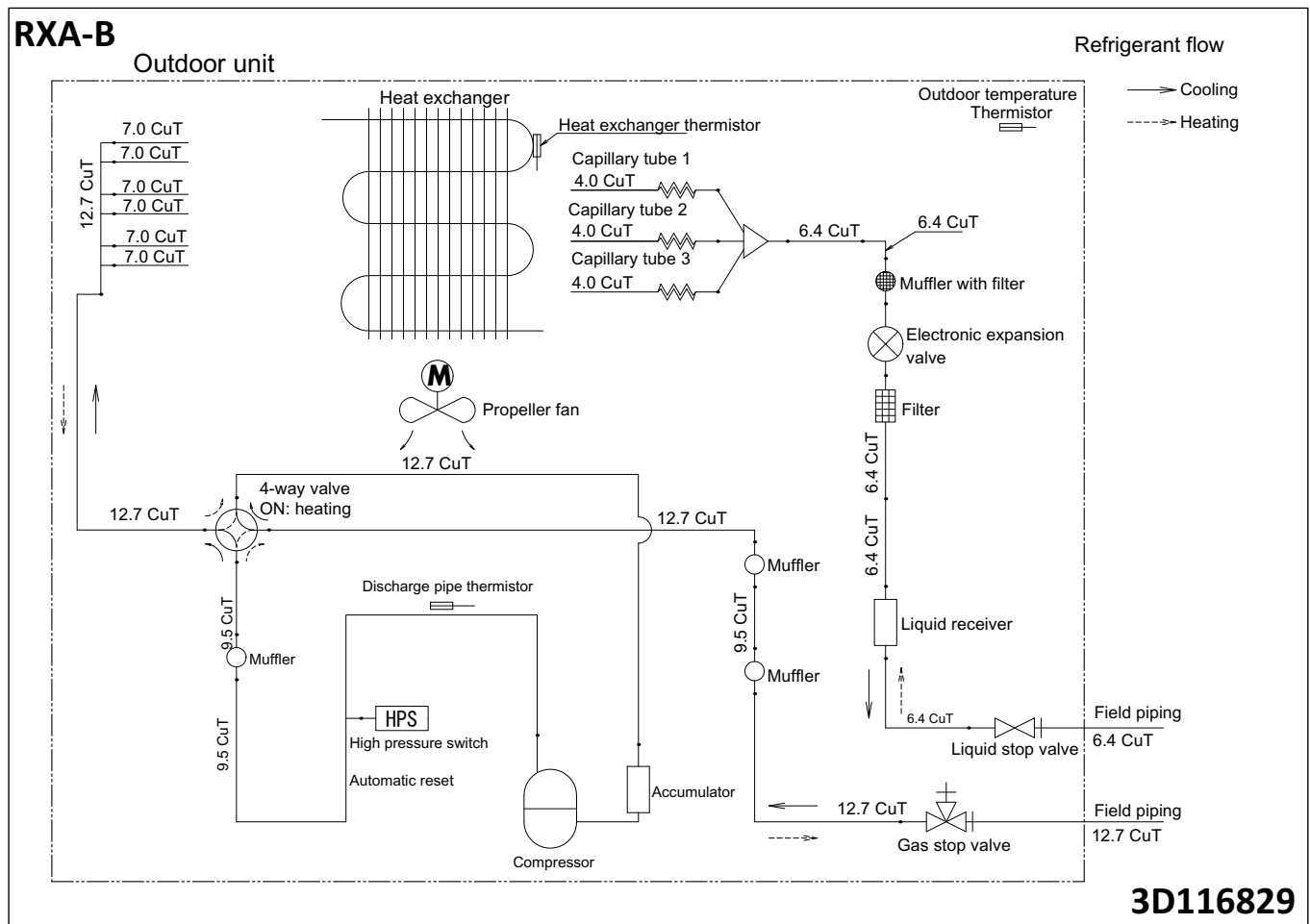
RXA-B



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7 Piping diagrams

7 - 1 Piping Diagrams

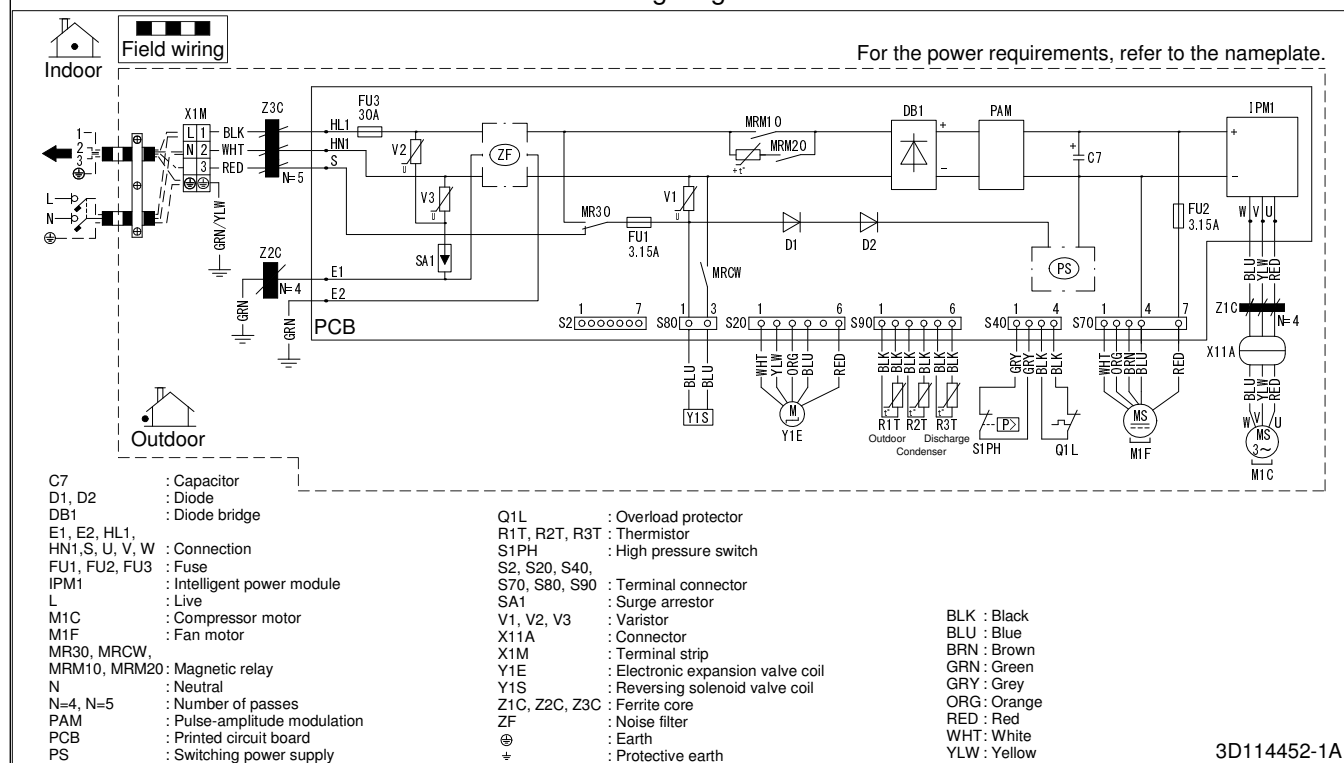


8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

RXA-B

Wiring diagram

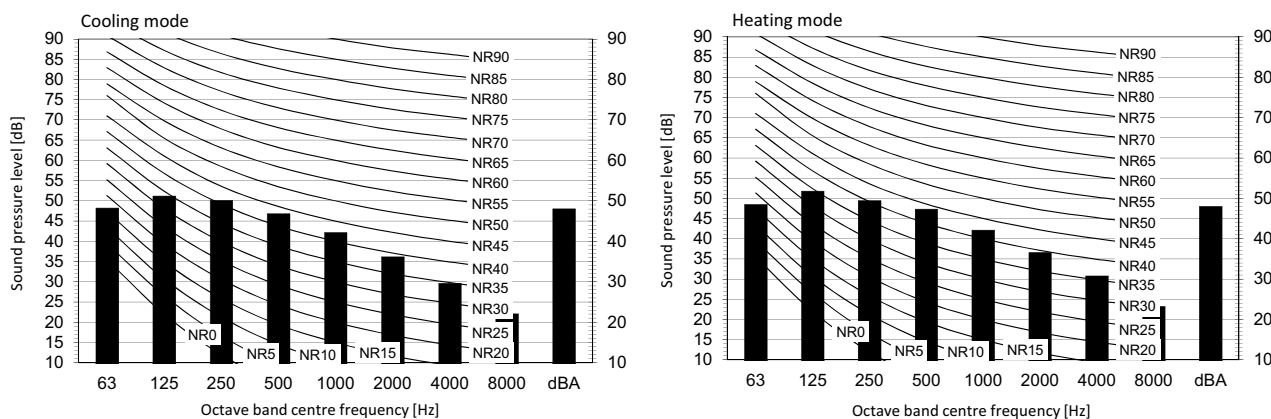


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9 Sound data

9 - 1 Sound Pressure Spectrum

RXA42B



Legend

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

A Scale

B Fan speed: High

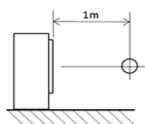
Cooling Total dB

A	B
dBA	48,0

Heating Total dB

A	B
dBA	48,0

Location of microphone

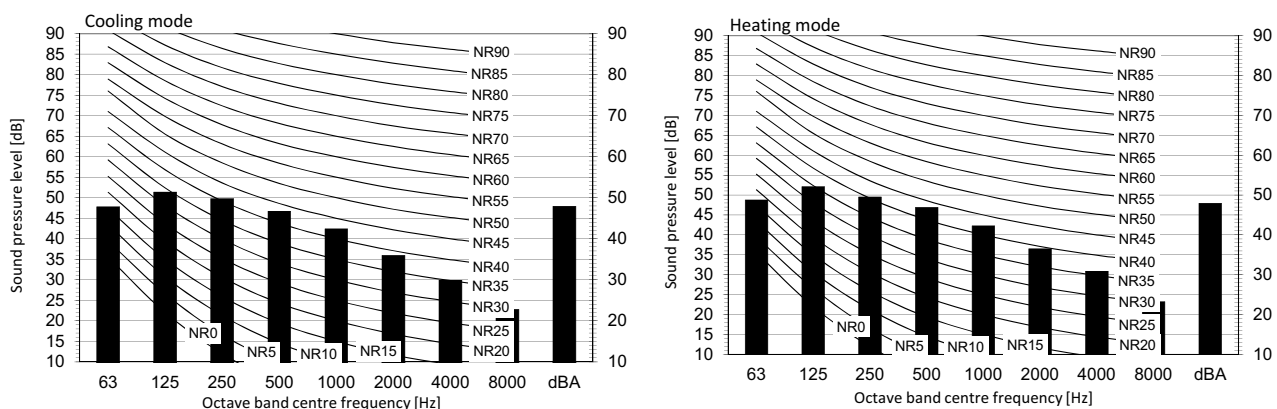


Notes

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

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RXA50B



Legend

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

A Scale

B Fan speed: High

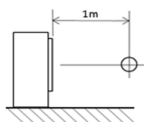
Cooling Total dB

A	B
dBA	48,0

Heating Total dB

A	B
dBA	48,0

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

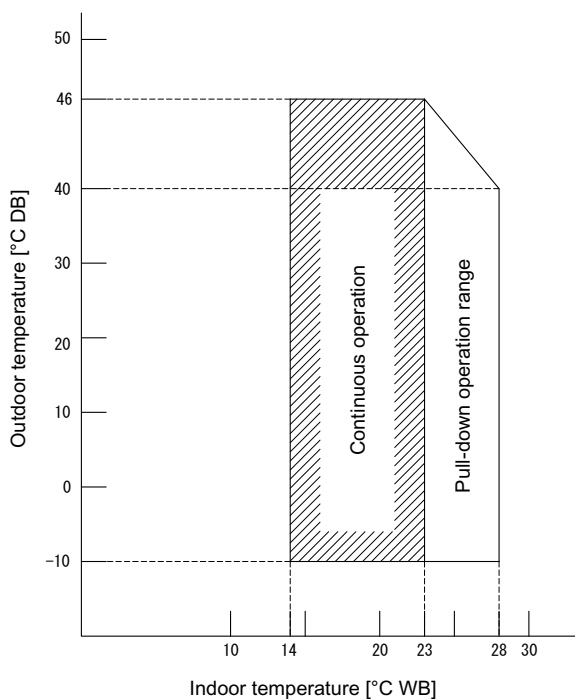
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10 Operation range

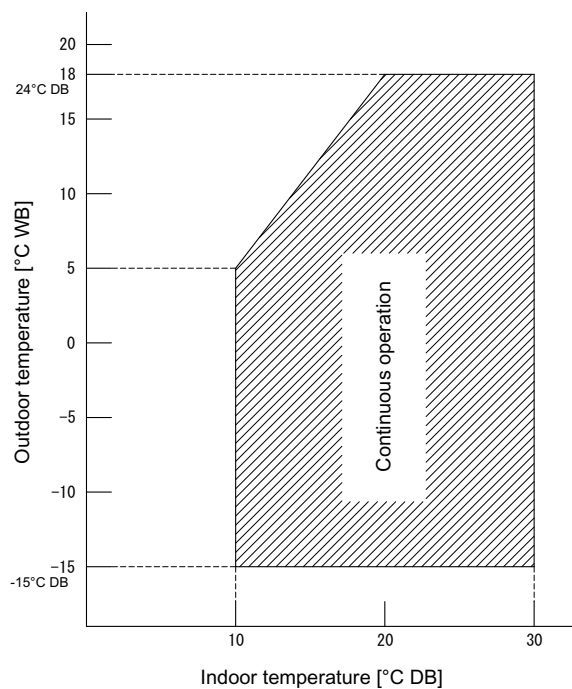
10 - 1 Operation Range

RXA-B

Cooling



Heating



Notes

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

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