



Air Conditioning

Technical Data



EEDEN15-100

RXK-A

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RXK-A

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1 Features

- Seasonal efficiency values up to A+
- Heat pumps are all-in-one heating & cooling solutions for residential & commercial applications. They extract thermal energy from the ambient air and are therefore more energy efficient and emit far less CO2 than comparable fossil fuel based boiler systems.
- Daikin outdoor units are equipped with an anti-corrosion treated heat exchanger (blue fin) which ensures greater resistance to the most severe weather conditions
- Outdoor units for pair application
- Wide range of units offers maximum application potential and flexible control options
- Daikin outdoor units are neat, sturdy and can easily be mounted on a roof or terrace or simply placed against an outside wall



Inverter

2 Specifications

2-1 Capacity and Power input				FTXK25AW/RXK25A	FTXK35AW/RXK35A	FTXK50AW/RXK50A	FTXK60AW/RXK60A
Indoor unit				FTXK25AW	FTXK35AW	FTXK50AW	FTXK60AW
Outdoor unit				RXK25A	RXK35A	RXK50A	RXK60A
Cooling capacity	Min.		kW	1.300		1.630	1.750
			Btu/h	4,400		5,600	6,000
	Nom.		kW	2.500 (1)	3.500 (1)	5.480 (1)	6.230 (1)
			Btu/h	8,500 (1)	11,900 (1)	18,700 (1)	21,300 (1)
	Max.		kW	3.000	3.800	6.200	6.500
			Btu/h	10,200	13,000	21,200	22,200
Heating capacity	Min.		kW	1.300		1.170	1.200
			Btu/h	4,400		4	4,100
	Nom.		kW	3.300 (1)	3.600 (1)	5.620 (1)	6.400 (1)
			Btu/h	11,300 (1)	12,300 (1)	19,200 (1)	21,800 (1)
	Max.		kW	4.000	4.750	6.600	8.000
			Btu/h	13,600	16,200	22,500	27,300
Power input	Cooling	Min.	kW	0.280	0.290		0.280
		Nom.	kW	0.731 (1)	1.075 (1)	1.700 (1)	1.931 (1)
		Max.	kW	0.990	1.390	2.000	
	Heating	Min.	kW	0.260	0.285	0.260	0.240
		Nom.	kW	0.900 (1)	0.957 (1)	1.550 (1)	1.680 (1)
		Max.	kW	1.100	1.480	2.510	2.000
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A+			
		Pdesign	kW	2.50	3.50	5.48	6.23
		SEER		5.66	5.86	5.93	6.09
		Annual energy consumption	kWh	155	209	324	359
	Heating (Average climate)	Energy label		A+			
		Pdesign	kW	2.40	2.80	3.37	3.80
		SCOP		4.24	4.16	4.01	4.06
		Annual energy consumption	kWh	792	945	1,177	1,310
Piping connections	Liquid	Type		Flare valve			
		OD	mm	6.35			
	Gas	Type		Flare valve			
		OD	mm	9.52		12.70	15.90
Current	Nominal running current (RLA) - 50Hz	Cooling	A	4.03	4.86	7.50	8.52
		Heating	A	4.59	4.29	6.86	7.46
Nominal efficiency	EER			3.42 (2)	3.26 (2)	3.22 (2)	3.23 (2)
	COP			3.67 (2)	3.76 (2)	3.63 (2)	3.81 (2)
	Annual energy consumption		kWh	365	537	851	964
	Energy label	Cooling		A			
		Heating		A			

Notes

(1) Nominal efficiency: cooling at 35°/27° nominal load, heating at 7°/20° nominal load

(2) EER/COP according to Eurovent 2012, for use outside EU only

All units are being tested and comply to ISO5151 (non-ducted unit) or ISO13253 (ducted unit)

All specifications are subjected to change by the manufacturer without prior notice.

2-2 Capacity and Power input				FTXK25AS/RXK25A	FTXK35AS/RXK35A	FTXK50AS/RXK50A	FTXK60AS/RXK60A
Indoor unit				FTXK25AS	FTXK35AS	FTXK50AS	FTXK60AS
Outdoor unit				RXK25A	RXK35A	RXK50A	RXK60A
Cooling capacity	Min.		kW	1.300		1.630	1.750
			Btu/h	4,400		5,600	6,000
	Nom.		kW	2.500 (1)	3.500 (1)	5.480 (1)	6.230 (1)
			Btu/h	8,500 (1)	11,900 (1)	18,700 (1)	21,300 (1)
	Max.		kW	3.000	3.800	6.200	6.500
			Btu/h	10,200	13,000	21,200	22,200

2 Specifications

2-2 Capacity and Power input				FTXK25AS/RXK25A	FTXK35AS/RXK35A	FTXK50AS/RXK50A	FTXK60AS/RXK60A
Heating capacity	Min.		kW	1.300		1.170	1.200
			Btu/h	4,400		4	4,100
	Nom.		kW	3.300 (1)	3.600 (1)	5.620 (1)	6.400 (1)
			Btu/h	11,300 (1)	12,300 (1)	19,200 (1)	21,800 (1)
	Max.		kW	4.000	4.750	6.600	8.000
			Btu/h	13,600	16,200	22,500	27,300
Power input	Cooling	Min.	kW	0.280	0.290		0.280
		Nom.	kW	0.731 (1)	1.075 (1)	1.700 (1)	1.931 (1)
		Max.	kW	0.990	1.390	2.000	
	Heating	Min.	kW	0.260	0.285	0.260	0.240
		Nom.	kW	0.900 (1)	0.957 (1)	1.550 (1)	1.680 (1)
		Max.	kW	1.100	1.480	2.510	2.000
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A+			
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		Annual energy consumption	kWh	155	209	324	359
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Piping connections	Liquid	Type		Flare valve			
		OD	mm	6.35			
	Gas	Type		Flare valve			
		OD	mm	9.52		12.70	15.90
Current	Nominal running current (RLA) - 50Hz	Cooling	A	4.03	4.86	7.50	8.52
		Heating	A	4.59	4.29	6.86	7.46
Nominal efficiency	EER			3.42 (2)	3.26 (2)	3.22 (2)	3.23 (2)
	COP			3.67 (2)	3.76 (2)	3.63 (2)	3.81 (2)
	Annual energy consumption		kWh	365	537	851	964
	Energy label	Cooling		A			
		Heating		A			

Notes

(1) Nominal efficiency: cooling at 35°/27° nominal load, heating at 7°/20° nominal load

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All specifications are subjected to change by the manufacturer without prior notice.

2-3 Technical Specifications				RXK25A	RXK35A	RXK50A	RXK60A
Capacity control	Method			Inverter controlled			
Casing	Colour			Ivory white			
Dimensions	Unit	Height	mm	550		628	753
		Width	mm	658		855	
		Depth	mm	289		328	
	Packed unit	Height	mm	580		693	793
		Width	mm	775		990	
		Depth	mm	355		415	
Weight	Unit		kg	24	26	37	44
Heat exchanger	Rows	Quantity		1	2		
	Face area		m²	0.33	0.32	0.62	
	Tube material			Seamless Inner Grooved Copper			
	Tube diameter		mm	7			
	Fin	Type		Aluminium (Corrugated)			

2 Specifications

2-3 Technical Specifications					RXK25A	RXK35A	RXK50A	RXK60A
Compressor	Oil Amount		cm³		375		650	
	Type				Hermetic swing			
	Oil Type				Daphne FVC50K (Ether Oil)			
Fan	Type				Propeller fan			
	Air flow rate	Cooling	Nom.	m³/min	25.5	20.7	47.88	50.88
				cfm	900	730	1,690	1,796
			Super low	m³/min	-			
				cfm	-			
		Heating	Nom.	m³/min	25.5	20.7	47.88	50.88
				cfm	900	730	1,690	1,796
	Super low		m³/min	-				
			cfm	-				
	Running current	Cooling	Standard	A	0.36	0.34	0.90	0.77
		Heating	Standard	A	0.36	0.34	0.90	0.77
Fan motor	Model				Brushless DC motor		Induction	
	Index of Protection				24		23	
	Insulation grade				Class "E"			
	Poles				8			
	Output			W	41		61	
	Drive				Direct drive			
	Speed	Cooling	Super low	rpm	-			
		Heating	Super low	rpm	-			
Sound power level	Cooling			dBA	58	60	64	65
	Heating			dBA	58	60	64	65
Sound pressure level	Cooling	Nom.		dBA	45	46	51	
	Heating	Nom.		dBA	45	46	51	
Operation range	Cooling	Ambient	Min.	°CDB	10		-10	
			Max.	°CDB	46			
	Heating	Ambient	Min.	°CWB	-15			
			Max.	°CWB	18			
Refrigerant	Type				R-410A			
	Charge			kg	0.74	1.00	1.25	1.45
				TCO ₂ eq	1.5	2.1	2.6	3.0
	GWP				2,087.5			
Piping connections	Liquid	Type			Flare valve			
		OD		mm	6.35			
	Gas	Type			Flare valve			
		OD		mm	9.52		12.70	15.90
	Drain	ID		mm	-			
	Piping length	OU - IU	Max.	m	20		30	
		System	Chargeless	m	7.5			

2-4 Electrical Specifications					RXK25A	RXK35A	RXK50A	RXK60A
Power supply	Name				V1			
	Phase				1~			
	Frequency			Hz	50			
	Voltage			V	220-240			
Current - 50Hz	Maximum fuse amps (MFA)			A	-			
Current - 60Hz	Maximum fuse amps (MFA)			A	-			

2 Specifications

Notes

All units are being tested and comply to ISO5151 (non-ducted unit) or ISO13253 (ducted unit)

All specifications are subjected to change by the manufacturer without prior notice.

Contains fluorinated greenhouse gases

3 Electrical data

3 - 1 Electrical Data

RXK25-60A

Indoor unit	Outdoor unit	Power supply					Comp.		OFM		IFM	
		Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTX25AV1BW	RXK25AV1B	50	220-240	Max. 50Hz 264V Min. 50Hz 198V	8.44	16	48	3.48	41	0.36	18	0.19
FTX35AV1BW	RXK35AV1B	50	220-240	Max. 50Hz 264V Min. 50Hz 198V	9.69	16	73	4.31	41	0.34	18	0.21
FTX50AV1BW	RXK50AV1B	50	220-240	Max. 50Hz 264V Min. 50Hz 198V	20	20	74	6.28	61	0.90	40	0.32
FTX60AV1BW	RXK60AV1B	50	220-240	Max. 50Hz 264V Min. 50Hz 198V	20	20	82	7.19	61	0.77	40	0.56
FTX25AV1BS	RXK25AV1B	50	220-240	Max. 50Hz 264V Min. 50Hz 198V	8.44	16	48	3.48	41	0.36	18	0.19
FTX35AV1BS	RXK35AV1B	50	220-240	Max. 50Hz 264V Min. 50Hz 198V	9.69	16	73	4.31	41	0.34	18	0.21
FTX50AV1BS	RXK50AV1B	50	220-240	Max. 50Hz 264V Min. 50Hz 198V	20	20	74	6.28	61	0.90	40	0.32
FTX60AV1BS	RXK60AV1B	50	220-240	Max. 50Hz 264V Min. 50Hz 198V	20	20	82	7.19	61	0.77	40	0.56

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SYMBOLS

MCA	: Min. Circuit Amps (A)
MFA	: Max. Fuse Amps (A)
RLA	: Rated Load Amps (A)
OFM	: Outdoor fan motor
IFM	: Indoor Fan Motor
FLA	: Full Load Amps (A)
W	: Fan Motor Rated Output (W)
RHz	: Rated operating frequency (Hz)

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXK25AW/S + RXK25A

Cooling capacity table

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
215	16°C	21°C	2.36	1.84	0.56	2.27	1.80	0.60	2.19	1.75	0.65	2.10	1.70	0.71	1.93	1.58	0.77	1.78	1.49	0.84
		24°C	2.36	2.21	0.56	2.28	2.16	0.60	2.19	2.11	0.65	2.10	2.06	0.71	1.93	1.92	0.77	1.79	1.79	0.84
		27°C	2.38	2.38	0.56	2.30	2.30	0.60	2.22	2.22	0.65	2.13	2.13	0.71	1.97	1.97	0.77	1.83	1.83	0.85
		30°C	2.45	2.45	0.56	2.38	2.38	0.61	2.31	2.31	0.66	2.23	2.23	0.71	2.07	2.07	0.77	1.94	1.94	0.86
	19°C	24°C	2.60	1.72	0.56	2.51	1.68	0.61	2.42	1.63	0.66	2.32	1.59	0.72	2.13	1.48	0.78	1.97	1.39	0.86
		27°C	2.60	1.97	0.56	2.51	1.93	0.61	2.42	1.88	0.66	2.32	1.84	0.72	2.13	1.72	0.78	1.97	1.63	0.86
		30°C	2.60	2.43	0.56	2.51	2.38	0.61	2.43	2.33	0.66	2.33	2.27	0.72	2.15	2.12	0.78	1.99	1.99	0.86
		33°C	2.64	2.64	0.57	2.55	2.55	0.61	2.47	2.47	0.66	2.38	2.38	0.72	2.20	2.20	0.78	2.06	2.06	0.87
	22°C	27°C	2.86	1.69	0.57	2.76	1.64	0.62	2.66	1.60	0.67	2.56	1.56	0.73	2.35	1.45	0.79	2.18	1.37	0.87
		30°C	2.86	2.05	0.57	2.76	2.01	0.62	2.66	1.96	0.67	2.56	1.92	0.73	2.35	1.80	0.79	2.18	1.70	0.87
		33°C	2.86	2.40	0.57	2.76	2.35	0.62	2.66	2.31	0.67	2.56	2.26	0.73	2.35	2.12	0.79	2.18	2.01	0.88
		36°C	2.87	2.72	0.57	2.78	2.67	0.62	2.68	2.61	0.68	2.58	2.55	0.73	2.38	2.38	0.80	2.21	2.21	0.88
272	16°C	21°C	2.45	1.92	0.56	2.36	1.87	0.61	2.27	1.82	0.66	2.18	1.77	0.71	2.00	1.65	0.77	1.85	1.55	0.85
		24°C	2.46	2.34	0.56	2.37	2.28	0.61	2.28	2.23	0.66	2.19	2.17	0.71	2.01	2.01	0.77	1.86	1.86	0.85
		27°C	2.49	2.49	0.56	2.41	2.41	0.61	2.32	2.32	0.66	2.24	2.24	0.71	2.07	2.07	0.78	1.93	1.93	0.86
		30°C	2.59	2.59	0.57	2.52	2.52	0.61	2.44	2.44	0.66	2.36	2.36	0.72	2.19	2.19	0.78	2.05	2.05	0.87
	19°C	24°C	2.70	1.82	0.57	2.61	1.77	0.62	2.51	1.73	0.67	2.41	1.68	0.72	2.21	1.57	0.79	2.04	1.48	0.87
		27°C	2.71	2.10	0.57	2.61	2.05	0.62	2.51	2.00	0.67	2.41	1.96	0.72	2.22	1.83	0.79	2.05	1.73	0.87
		30°C	2.72	2.59	0.57	2.62	2.53	0.62	2.53	2.47	0.67	2.43	2.41	0.73	2.24	2.24	0.79	2.08	2.08	0.87
		33°C	2.76	2.76	0.57	2.68	2.68	0.62	2.59	2.59	0.67	2.51	2.51	0.73	2.32	2.32	0.79	2.17	2.17	0.88
	22°C	27°C	2.97	1.78	0.58	2.86	1.74	0.63	2.76	1.70	0.68	2.65	1.65	0.74	2.43	1.54	0.80	2.25	1.45	0.88
		30°C	2.97	2.19	0.58	2.87	2.14	0.63	2.76	2.09	0.68	2.65	2.05	0.74	2.44	1.92	0.80	2.25	1.82	0.88
		33°C	2.98	2.56	0.58	2.87	2.51	0.63	2.77	2.46	0.68	2.66	2.41	0.74	2.45	2.25	0.80	2.27	2.15	0.88
		36°C	3.00	2.90	0.58	2.90	2.84	0.63	2.80	2.78	0.68	2.70	2.70	0.74	2.49	2.49	0.80	2.32	2.32	0.89
345	16°C	21°C	2.54	2.01	0.56	2.45	1.96	0.61	2.36	1.91	0.66	2.26	1.85	0.72	2.07	1.73	0.78	1.91	1.62	0.86
		24°C	2.56	2.44	0.57	2.46	2.38	0.61	2.37	2.32	0.66	2.28	2.26	0.72	2.09	2.09	0.78	1.93	1.93	0.86
		27°C	2.60	2.60	0.57	2.51	2.51	0.61	2.43	2.43	0.67	2.34	2.34	0.72	2.16	2.16	0.78	2.02	2.02	0.87
		30°C	2.73	2.73	0.57	2.65	2.65	0.62	2.57	2.57	0.67	2.48	2.48	0.73	2.30	2.30	0.79	2.15	2.15	0.88
	19°C	24°C	2.80	1.93	0.57	2.70	1.88	0.62	2.60	1.83	0.67	2.49	1.78	0.73	2.29	1.66	0.79	2.11	1.57	0.87
		27°C	2.81	2.23	0.57	2.71	2.18	0.62	2.61	2.13	0.67	2.50	2.00	0.73	2.30	1.94	0.79	2.12	1.84	0.87
		30°C	2.83	2.74	0.58	2.73	2.68	0.62	2.63	2.62	0.68	2.53	2.53	0.73	2.33	2.33	0.80	2.16	2.16	0.88
		33°C	2.89	2.89	0.58	2.81	2.81	0.63	2.72	2.72	0.68	2.63	2.63	0.74	2.44	2.44	0.80	2.28	2.28	0.89
	22°C	27°C	3.07	1.88	0.59	2.96	1.84	0.63	2.85	1.80	0.69	2.74	1.75	0.74	2.51	1.63	0.81	2.32	1.54	0.89
		30°C	3.08	2.32	0.59	2.97	2.28	0.63	2.86	2.23	0.69	2.74	2.18	0.75	2.52	2.04	0.81	2.33	1.93	0.89
		33°C	3.09	2.72	0.59	2.98	2.68	0.64	2.87	2.62	0.69	2.76	2.56	0.75	2.54	2.40	0.81	2.35	2.28	0.89
		36°C	3.12	3.07	0.59	3.02	3.02	0.64	2.91	2.91	0.69	2.81	2.81	0.75	2.60	2.60	0.81	2.42	2.42	0.90

Remark

AFR: Air flow rate(CFM)
EWB: Entering wet bulb temp. (°C)
EDB: Entering dry bulb temp. (°C)
TC: Total cooling capacity (kW)
SHC: Sensible heat capacity (kW)
PI: Power input

Notes

- Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
- Shows nominal capacities.
- Direct interpolation is permissible. Do not extrapolate.
- Unit is able to operate at ambient from 0°C to 46°C without pressure trip.

Heating capacity table

Indoor	Outdoor WB°C									
	-15		-10		-5		0		5	
DB°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16	1.66	0.65	2.05	0.69	2.45	0.74	2.86	0.78	3.33	0.84
18	1.64	0.68	2.04	0.73	2.44	0.77	2.84	0.82	3.32	0.87
20	1.62	0.71	2.02	0.76	2.42	0.80	2.82	0.85	3.31	0.90
21	1.62	0.73	2.01	0.77	2.41	0.82	2.81	0.86	3.29	0.92
22	1.60	0.74	2.01	0.79	2.41	0.83	2.81	0.88	3.28	0.93
24	1.59	0.78	1.99	0.82	2.39	0.87	2.79	0.91	3.27	0.96

Remark

EDB: Entering dry bulb temp. (°C)
TC: Total capacity (kW)
PI: Power input (kW)

Notes

- Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
- Shows nominal capacities.
- Direct interpolation is permissible. Do not extrapolate.

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXK35AW/S + RXK35A

Cooling capacity table

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
232	16°C	21°C	3.30	2.93	0.82	3.18	2.27	0.88	3.06	2.21	0.96	2.94	2.15	1.04	2.70	2.00	1.13	2.49	1.88	1.24
		24°C	3.30	2.79	0.82	3.19	2.73	0.88	3.07	2.57	0.96	2.95	2.60	1.04	2.71	2.43	1.13	2.50	2.29	1.24
		27°C	3.33	3.17	0.82	3.22	3.10	0.89	3.11	3.02	0.96	2.99	2.95	1.04	2.76	2.74	1.13	2.57	2.57	1.25
		30°C	3.43	3.43	0.82	3.33	3.33	0.89	3.23	3.23	0.97	3.13	3.13	1.05	2.90	2.90	1.14	2.71	2.71	1.26
		24°C	3.64	2.18	0.83	3.51	2.12	0.90	3.38	2.07	0.97	3.25	2.01	1.06	2.99	1.87	1.14	2.76	1.76	1.26
		27°C	3.64	2.49	0.83	3.51	2.44	0.90	3.38	2.38	0.97	3.25	2.32	1.06	2.99	2.17	1.15	2.76	2.06	1.26
	19°C	30°C	3.65	3.08	0.83	3.52	3.01	0.90	3.40	2.94	0.97	3.27	2.87	1.06	3.01	2.69	1.15	2.79	2.54	1.26
		33°C	3.69	3.69	0.83	3.57	3.57	0.90	3.45	3.45	0.98	3.34	3.34	1.06	3.09	3.09	1.15	2.89	2.89	1.27
		27°C	4.00	2.13	0.84	3.86	2.08	0.92	3.72	2.03	0.99	3.58	1.97	1.08	3.29	1.84	1.17	3.05	1.73	1.29
		30°C	4.00	2.60	0.84	3.87	2.54	0.92	3.72	2.49	0.99	3.58	2.43	1.08	3.29	2.27	1.17	3.05	2.15	1.29
		33°C	4.01	3.03	0.84	3.87	2.98	0.92	3.73	2.92	0.99	3.58	2.86	1.08	3.30	2.68	1.17	3.05	2.55	1.29
		36°C	4.02	3.44	0.85	3.89	3.37	0.92	3.75	3.30	0.99	3.62	3.23	1.08	3.33	3.03	1.17	3.10	2.87	1.29
282	16°C	21°C	3.43	2.43	0.82	3.31	2.37	0.89	3.18	2.31	0.97	3.05	2.24	1.05	2.80	2.09	1.13	2.58	1.97	1.25
		24°C	3.44	2.95	0.82	3.32	2.89	0.89	3.20	2.82	0.97	3.07	2.75	1.05	2.82	2.56	1.14	2.60	2.42	1.25
		27°C	3.48	3.36	0.83	3.37	3.28	0.89	3.25	3.19	0.97	3.13	3.10	1.05	2.89	2.88	1.14	2.70	2.69	1.26
		30°C	3.63	3.63	0.83	3.53	3.53	0.90	3.42	3.42	0.98	3.31	3.31	1.06	3.06	3.06	1.15	2.86	2.86	1.27
		24°C	3.78	2.30	0.84	3.65	2.25	0.91	3.51	2.19	0.98	3.37	2.13	1.07	3.09	1.98	1.16	2.86	1.87	1.27
		27°C	3.79	2.65	0.84	3.65	2.59	0.91	3.52	2.54	0.98	3.38	2.48	1.07	3.10	2.31	1.16	2.87	2.19	1.27
	19°C	30°C	3.81	3.27	0.84	3.67	3.20	0.91	3.54	3.13	0.98	3.41	3.05	1.07	3.14	2.85	1.16	2.91	2.70	1.28
		33°C	3.87	3.87	0.84	3.75	3.75	0.91	3.63	3.63	0.99	3.51	3.51	1.07	3.25	3.25	1.17	3.04	3.04	1.29
		27°C	4.16	2.25	0.85	4.01	2.20	0.92	3.86	2.15	1.00	3.71	2.09	1.09	3.41	1.95	1.18	3.15	1.84	1.30
		30°C	4.16	2.77	0.85	4.01	2.71	0.92	3.86	2.65	1.00	3.71	2.59	1.09	3.41	2.42	1.18	3.15	2.30	1.30
		33°C	4.17	3.24	0.85	4.02	3.18	0.92	3.88	3.12	1.00	3.72	3.05	1.09	3.43	2.86	1.18	3.17	2.72	1.30
		36°C	4.19	3.67	0.86	4.06	3.60	0.93	3.92	3.52	1.01	3.77	3.44	1.09	3.48	3.22	1.18	3.25	3.04	1.31
358	16°C	21°C	3.56	2.54	0.83	3.43	2.48	0.90	3.30	2.41	0.97	3.16	2.34	1.05	2.90	2.18	1.14	2.67	2.05	1.26
		24°C	3.58	3.09	0.83	3.45	3.01	0.90	3.32	2.94	0.97	3.19	2.86	1.06	2.93	2.67	1.15	2.70	2.52	1.26
		27°C	3.64	3.54	0.83	3.52	3.45	0.90	3.40	3.35	0.98	3.28	3.25	1.06	3.03	3.01	1.15	2.82	2.81	1.27
		30°C	3.82	3.82	0.84	3.71	3.71	0.91	3.59	3.59	0.99	3.48	3.48	1.07	3.22	3.22	1.17	3.01	3.01	1.29
		24°C	3.92	2.44	0.84	3.78	2.38	0.91	3.63	2.32	0.99	3.49	2.25	1.07	3.20	2.10	1.16	2.95	1.98	1.28
		27°C	3.93	2.82	0.85	3.79	2.76	0.91	3.65	2.69	0.99	3.50	2.63	1.08	3.21	2.45	1.17	2.97	2.32	1.28
	19°C	30°C	3.96	3.47	0.85	3.82	3.39	0.92	3.69	3.32	0.99	3.54	3.23	1.08	3.26	3.02	1.17	3.03	2.85	1.29
		33°C	4.05	4.05	0.85	3.93	3.93	0.92	3.81	3.81	1.00	3.68	3.68	1.09	3.41	3.41	1.18	3.19	3.19	1.30
		27°C	4.30	2.38	0.86	4.15	2.33	0.93	3.99	2.27	1.01	3.83	2.21	1.10	3.52	2.07	1.19	3.25	1.95	1.31
		30°C	4.31	2.94	0.86	4.16	2.88	0.93	4.00	2.82	1.01	3.84	2.76	1.10	3.53	2.58	1.19	3.26	2.45	1.31
		33°C	4.32	3.44	0.86	4.17	3.38	0.93	4.02	3.31	1.01	3.86	3.24	1.10	3.55	3.04	1.19	3.29	2.88	1.31
		36°C	4.36	3.89	0.86	4.23	3.82	0.94	4.08	3.74	1.02	3.93	3.64	1.10	3.63	3.40	1.20	3.39	3.20	1.32

Remark

AFR: Air flow rate(CFM)
EWB: Entering wet bulb temp. (°C)
EDB: Entering dry bulb temp. (°C)
TC: Total cooling capacity (kW)
SHC: Sensible heat capacity (kW)
PI: Power input

Notes

- Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
- Shows nominal capacities.
- Direct interpolation is permissible. Do not extrapolate.
- Unit is able to operate at ambient from 0°C to 46°C without pressure trip.

Heating capacity table

Indoor	Outdoor WB°C											
	-15		-10		-5		0		5		10	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16	1.81	0.69	2.24	0.74	2.68	0.78	3.12	0.83	3.64	0.89	3.98	0.93
18	1.79	0.72	2.22	0.77	2.66	0.82	3.10	0.87	3.62	0.92	3.97	0.96
20	1.77	0.75	2.20	0.81	2.64	0.85	3.08	0.90	3.60	0.96	3.95	1.00
21	1.76	0.77	2.20	0.82	2.63	0.87	3.07	0.92	3.59	0.97	3.94	1.01
22	1.75	0.79	2.19	0.84	2.63	0.88	3.06	0.93	3.58	0.99	3.93	1.03
24	1.73	0.83	2.17	0.87	2.61	0.92	3.04	0.97	3.56	1.02	3.91	1.06

Remark

EDB: Entering dry bulb temp. (°C)
TC: Total capacity (kW)
PI: Power input (kW)

Notes

- Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
- Shows nominal capacities.
- Direct interpolation is permissible. Do not extrapolate.

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXK50AW/S + RXK50A

Cooling capacity table

AFR (CFM)	EWB	EDB	Outdoor temperature											
			19°C			25°C			30°C			35°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
418	16°C	21°C	5.17	3.46	1.29	4.98	3.37	1.40	4.80	3.28	1.51	4.61	3.19	1.64
		24°C	5.17	4.14	1.28	4.99	4.05	1.40	4.81	3.96	1.51	4.61	3.86	1.64
		27°C	5.22	4.70	1.29	5.04	4.59	1.40	4.86	4.48	1.52	4.68	4.37	1.64
		30°C	5.38	5.38	1.30	5.22	5.22	1.41	5.06	5.06	1.53	4.90	4.90	1.66
	19°C	24°C	5.70	3.23	1.31	5.50	3.15	1.42	5.30	3.07	1.54	5.09	2.98	1.67
		27°C	5.70	3.70	1.31	5.50	3.61	1.42	5.30	3.53	1.54	5.09	3.45	1.67
		30°C	5.71	4.56	1.31	5.52	4.47	1.42	5.32	4.37	1.54	5.12	4.26	1.67
		33°C	5.78	5.78	1.32	5.59	5.59	1.43	5.41	5.41	1.55	5.23	5.23	1.68
	22°C	27°C	6.27	3.16	1.34	6.05	3.09	1.45	5.83	3.01	1.57	5.61	2.93	1.70
		30°C	6.27	3.86	1.34	6.06	3.77	1.45	5.83	3.69	1.57	5.61	3.60	1.70
		33°C	6.28	4.50	1.34	6.06	4.42	1.45	5.84	4.33	1.57	5.61	4.24	1.70
		36°C	6.30	5.11	1.34	6.09	5.00	1.45	5.88	4.90	1.57	5.66	4.79	1.71
471	16°C	21°C	5.38	3.61	1.30	5.18	3.52	1.41	4.99	3.42	1.53	4.78	3.33	1.65
		24°C	5.39	4.38	1.30	5.20	4.28	1.41	5.00	4.18	1.53	4.80	4.07	1.66
		27°C	5.46	4.98	1.31	5.27	4.86	1.41	5.09	4.74	1.53	4.91	4.59	1.66
		30°C	5.68	5.68	1.32	5.52	5.52	1.43	5.35	5.35	1.55	5.18	5.18	1.68
	19°C	24°C	5.92	3.41	1.32	5.71	3.33	1.43	5.50	3.24	1.55	5.28	3.15	1.68
		27°C	5.93	3.93	1.32	5.72	3.85	1.43	5.51	3.76	1.55	5.29	3.67	1.69
		30°C	5.96	4.85	1.33	5.75	4.75	1.44	5.55	4.64	1.56	5.34	4.53	1.69
		33°C	6.06	6.06	1.33	5.88	5.88	1.44	5.69	5.69	1.56	5.50	5.50	1.70
	22°C	27°C	6.51	3.34	1.35	6.28	3.26	1.46	6.05	3.18	1.58	5.80	3.10	1.72
		30°C	6.52	4.10	1.35	6.29	4.02	1.46	6.06	3.93	1.58	5.81	3.84	1.72
		33°C	6.53	4.81	1.35	6.30	4.72	1.46	6.07	4.62	1.58	5.83	4.52	1.72
		36°C	6.57	5.43	1.35	6.36	5.33	1.47	6.13	5.22	1.59	5.91	5.10	1.72
529	16°C	21°C	5.58	3.77	1.31	5.37	3.67	1.42	5.16	3.57	1.54	4.95	3.47	1.67
		24°C	5.60	4.58	1.32	5.40	4.47	1.42	5.20	4.36	1.54	4.99	4.24	1.67
		27°C	5.69	5.24	1.32	5.51	5.11	1.43	5.32	4.97	1.55	5.13	4.81	1.68
		30°C	5.98	5.98	1.33	5.80	5.80	1.44	5.63	5.63	1.56	5.44	5.44	1.70
	19°C	24°C	6.14	3.61	1.34	5.91	3.52	1.45	5.69	3.43	1.57	5.46	3.34	1.70
		27°C	6.15	4.18	1.34	5.93	4.08	1.45	5.71	3.99	1.57	5.48	3.88	1.70
		30°C	6.21	5.14	1.34	5.99	5.03	1.45	5.77	4.92	1.57	5.55	4.79	1.70
		33°C	6.34	6.34	1.35	6.15	6.15	1.46	5.96	5.96	1.58	5.77	5.77	1.72
	22°C	27°C	6.73	3.53	1.36	6.49	3.46	1.47	6.25	3.37	1.60	6.00	3.28	1.73
		30°C	6.75	4.36	1.36	6.51	4.27	1.47	6.26	4.18	1.60	6.01	4.09	1.73
		33°C	6.77	5.11	1.36	6.54	5.02	1.48	6.30	4.91	1.60	6.05	4.80	1.74
		36°C	6.83	5.77	1.37	6.62	5.66	1.48	6.39	5.54	1.61	6.16	5.40	1.74

Remark

AFR: Air flow rate(CFM)
EWB: Entering wet bulb temp. (°C)
EDB: Entering dry bulb temp. (°C)
TC: Total cooling capacity (kW)
SHC: Sensible heat capacity (kW)
PI: Power input

Notes

- Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
- Shows nominal capacities.
- Direct interpolation is permissible. Do not extrapolate.
- Unit is able to operate at ambient from 0°C to 46°C without pressure trip.

Heating capacity table

Indoor	Outdoor WB°C											
	-15		-10		-5		0		5		10	
DB°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16	2.82	1.11	3.50	1.19	4.18	1.27	4.86	1.35	5.58	1.44	6.22	1.50
18	2.79	1.17	3.47	1.25	4.16	1.32	4.84	1.40	5.65	1.50	6.19	1.56
20	2.76	1.22	3.44	1.30	4.13	1.38	4.81	1.46	5.62	1.58	6.16	1.61
21	2.75	1.25	3.43	1.33	4.11	1.40	4.79	1.49	5.61	1.58	6.15	1.64
22	2.73	1.28	3.42	1.36	4.10	1.43	4.78	1.51	5.59	1.60	6.13	1.67
24	2.70	1.34	3.39	1.41	4.07	1.50	4.75	1.57	5.56	1.66	6.10	1.72

Remark

EDB: Entering dry bulb temp. (°C)
TC: Total capacity (kW)
PI: Power input (kW)

Notes

- Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
- Shows nominal capacities.
- Direct interpolation is permissible. Do not extrapolate.

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXK60AW/S + RXK60A

Cooling capacity table

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			45°C		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
507	16°C	21°C	5.87	4.05	1.47	5.67	3.94	1.59	5.46	3.83	1.72	5.24	3.72	1.86	4.81	3.47	2.02	4.44	3.26	2.23
		24°C	5.88	4.84	1.47	5.67	4.73	1.59	5.46	4.62	1.72	5.25	4.51	1.86	4.82	4.21	2.02	4.46	3.97	2.23
		27°C	5.93	5.49	1.47	5.73	5.37	1.59	5.53	5.24	1.72	5.32	5.11	1.87	4.91	4.75	2.03	4.57	4.46	2.24
		30°C	6.11	6.11	1.48	5.94	5.94	1.60	5.76	5.76	1.73	5.57	5.57	1.88	5.16	5.16	2.05	4.83	4.83	2.26
	19°C	24°C	6.48	3.78	1.49	6.25	3.68	1.61	6.02	3.58	1.75	5.78	3.48	1.90	5.32	3.24	2.06	4.91	3.05	2.27
		27°C	6.48	4.32	1.49	6.26	4.22	1.61	6.03	4.13	1.75	5.79	4.03	1.90	5.32	3.77	2.06	4.92	3.57	2.27
		30°C	6.49	5.33	1.49	6.27	5.22	1.61	6.05	5.10	1.75	5.82	4.98	1.90	5.36	4.66	2.06	4.97	4.41	2.27
		33°C	6.57	6.57	1.49	6.36	6.36	1.62	6.15	6.15	1.76	5.94	5.94	1.91	5.50	5.50	2.07	5.14	5.14	2.29
	22°C	27°C	7.13	3.70	1.52	6.88	3.61	1.64	6.63	3.52	1.78	6.37	3.42	1.93	5.86	3.19	2.10	5.42	3.01	2.31
		30°C	7.13	4.51	1.52	6.88	4.41	1.64	6.63	4.31	1.78	6.37	4.21	1.93	5.86	3.94	2.10	5.43	3.73	2.31
		33°C	7.13	5.26	1.52	6.89	5.16	1.64	6.64	5.06	1.78	6.38	4.95	1.93	5.87	4.65	2.10	5.44	4.42	2.31
		36°C	7.16	5.97	1.52	6.92	5.85	1.65	6.68	5.73	1.79	6.44	5.60	1.94	5.94	5.25	2.10	5.52	4.98	2.32
585	16°C	21°C	6.11	4.22	1.48	5.89	4.11	1.60	5.67	4.00	1.73	5.44	3.89	1.88	4.99	3.62	2.04	4.60	3.41	2.25
		24°C	6.13	5.12	1.48	5.91	5.00	1.60	5.69	4.88	1.74	5.46	4.76	1.88	5.02	4.44	2.04	4.64	4.19	2.25
		27°C	6.20	5.82	1.48	6.00	5.68	1.61	5.79	5.53	1.74	5.58	5.37	1.89	5.15	4.99	2.05	4.80	4.67	2.26
		30°C	6.46	6.46	1.49	6.28	6.28	1.62	6.08	6.08	1.76	5.89	5.89	1.91	5.45	5.45	2.07	5.10	5.10	2.29
	19°C	24°C	6.73	3.99	1.50	6.49	3.89	1.63	6.25	3.79	1.76	6.00	3.69	1.91	5.51	3.43	2.08	5.09	3.24	2.29
		27°C	6.75	4.60	1.50	6.50	4.50	1.63	6.26	4.39	1.77	6.01	4.29	1.91	5.52	4.01	2.08	5.11	3.80	2.29
		30°C	6.78	5.67	1.51	6.54	5.55	1.63	6.31	5.42	1.77	6.07	5.29	1.92	5.59	4.95	2.08	5.18	4.67	2.29
		33°C	6.89	6.89	1.51	6.68	6.68	1.64	6.47	6.47	1.78	6.25	6.25	1.93	5.79	5.79	2.10	5.42	5.42	2.31
	22°C	27°C	7.40	3.91	1.53	7.14	3.82	1.66	6.87	3.72	1.80	6.60	3.62	1.95	6.06	3.38	2.12	5.61	3.19	2.33
		30°C	7.41	4.80	1.53	7.15	4.70	1.66	6.88	4.59	1.80	6.61	4.48	1.95	6.07	4.20	2.12	5.62	3.99	2.33
		33°C	7.42	5.62	1.53	7.16	5.51	1.66	6.90	5.40	1.80	6.63	5.28	1.95	6.10	4.96	2.12	5.65	4.71	2.34
		36°C	7.47	6.35	1.54	7.23	6.23	1.67	6.97	6.10	1.81	6.72	5.96	1.96	6.20	5.58	2.13	5.78	5.26	2.35
654	16°C	21°C	6.34	4.40	1.49	6.11	4.29	1.61	5.87	4.18	1.75	5.63	4.06	1.89	5.16	3.78	2.05	4.76	3.56	2.26
		24°C	6.37	5.35	1.49	6.14	5.22	1.62	5.91	5.09	1.75	5.67	4.96	1.90	5.21	4.63	2.06	4.81	4.36	2.27
		27°C	6.47	6.13	1.50	6.26	5.97	1.62	6.05	5.80	1.76	5.83	5.63	1.91	5.39	5.21	2.07	5.02	4.87	2.29
		30°C	6.80	6.80	1.51	6.60	6.60	1.64	6.40	6.40	1.78	6.19	6.19	1.93	5.73	5.73	2.09	5.35	5.35	2.31
	19°C	24°C	6.98	4.22	1.52	6.72	4.12	1.64	6.47	4.01	1.78	6.20	3.90	1.93	5.69	3.64	2.09	5.26	3.43	2.30
		27°C	7.00	4.89	1.52	6.75	4.77	1.64	6.49	4.66	1.78	6.23	4.55	1.93	5.72	4.25	2.09	5.29	4.02	2.31
		30°C	7.05	6.01	1.52	6.80	5.88	1.65	6.56	5.75	1.78	6.31	5.60	1.94	5.81	5.23	2.10	5.39	4.93	2.32
		33°C	7.21	7.21	1.53	7.00	7.00	1.66	6.78	6.78	1.80	6.56	6.56	1.95	6.07	6.07	2.12	5.68	5.68	2.34
	22°C	27°C	7.66	4.13	1.55	7.38	4.04	1.67	7.11	3.94	1.81	6.82	3.84	1.97	6.26	3.58	2.13	5.79	3.38	2.35
		30°C	7.67	5.09	1.55	7.40	4.90	1.68	7.12	4.89	1.82	6.83	4.78	1.97	6.28	4.47	2.14	5.81	4.24	2.35
		33°C	7.70	5.97	1.55	7.43	5.86	1.68	7.16	5.74	1.82	6.88	5.61	1.97	6.33	5.26	2.14	5.86	4.99	2.36
		36°C	7.77	6.74	1.55	7.52	6.62	1.68	7.26	6.47	1.82	7.00	6.31	1.98	6.47	5.89	2.15	6.03	5.54	2.37

Remark

AFR: Air flow rate(CFM)
EWB: Entering wet bulb temp. (°C)
EDB: Entering dry bulb temp. (°C)
TC: Total cooling capacity (kW)
SHC: Sensible heat capacity (kW)
PI: Power input

Notes

- Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
- Shows nominal capacities.
- Direct interpolation is permissible. Do not extrapolate.
- Unit is able to operate at ambient from 0°C to 46°C without pressure trip.

Heating capacity table

Indoor DB°C	Outdoor WB°C											
	-15		-10		-5		0		5		10	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16	3.21	1.21	3.98	1.29	4.76	1.37	5.54	1.46	6.47	1.56	7.08	1.63
18	3.18	1.26	3.95	1.35	4.73	1.43	5.51	1.52	6.43	1.62	7.05	1.69
20	3.14	1.32	3.92	1.41	4.70	1.49	5.47	1.58	6.40	1.68	7.02	1.75
21	3.13	1.35	3.91	1.44	4.68	1.52	5.45	1.61	6.39	1.71	7.01	1.78
22	3.11	1.38	3.90	1.47	4.67	1.55	5.44	1.64	6.37	1.74	6.98	1.81
24	3.08	1.45	3.86	1.53	4.63	1.62	5.41	1.70	6.33	1.80	6.95	1.87

Remark

EDB: Entering dry bulb temp. (°C)
TC: Total capacity (kW)
PI: Power input (kW)

Notes

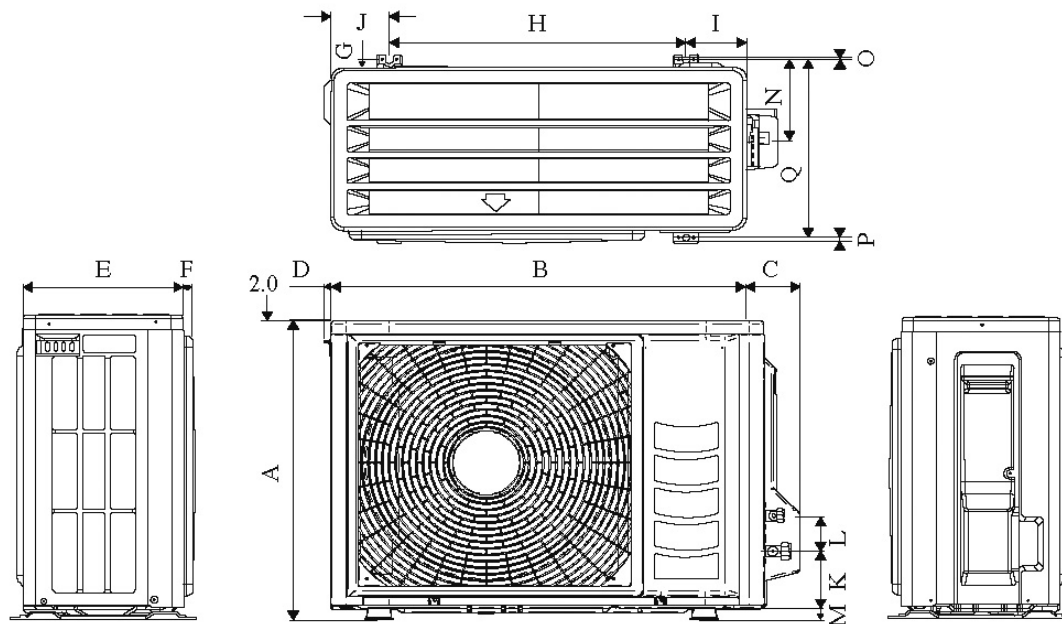
- Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
- Shows nominal capacities.
- Direct interpolation is permissible. Do not extrapolate.

5 Dimensional drawings

5 - 1 Dimensional Drawings

RXK25-35A

All dimensions are in mm

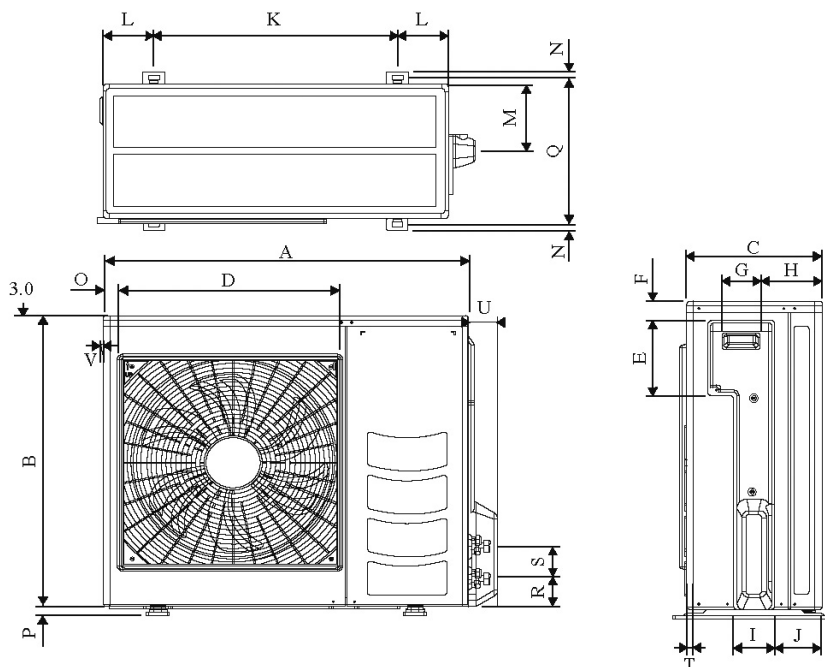


Model	Dimension	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
RXK25-35A		550	658	51	11	273	16	14	470	96	93	94	60	14	133	8	10	299

Dimension_RXK-A_2015-04-23

RXK50-60A

All dimensions are in mm



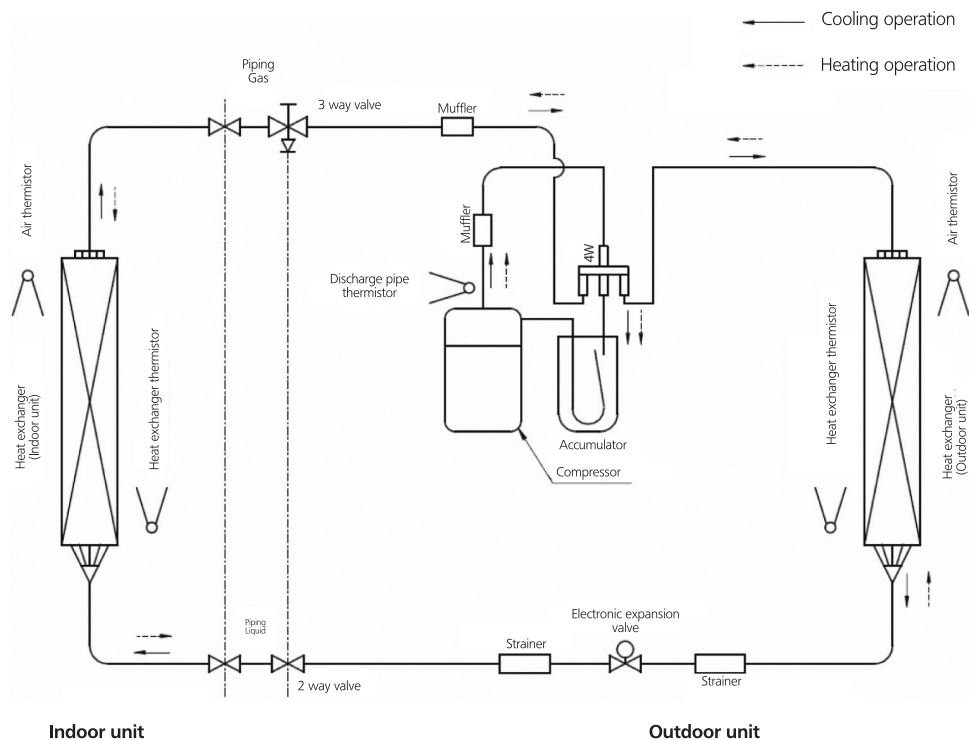
Model	Dimension	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
RXK50A		855	628	328	520	179	46	93	149	101	113	603	126	164	15	34	23	362	73	75	8	67	7
RXK60A		855	730	328	520	179	46	93	149	101	113	603	126	164	15	34	23	362	73	75	8	67	7

Dimension_RXK-A_2015-04-23

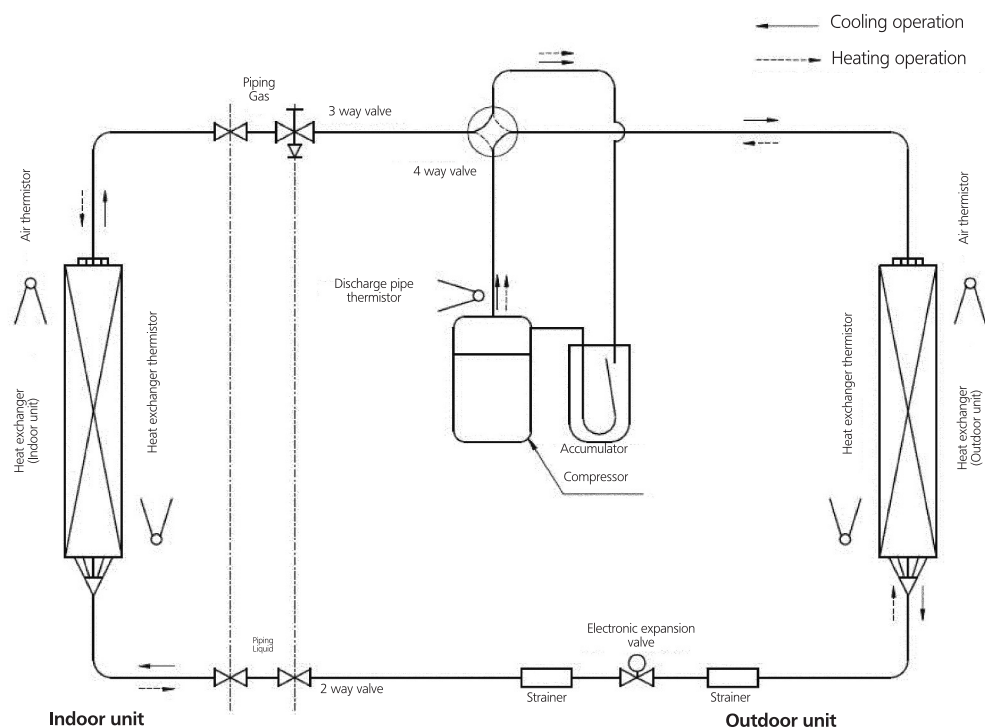
6 Piping diagrams

6 - 1 Piping Diagrams

FTXK25-35AW/S + RXK25-35A



FTXK50-60AW/S + RXK50-60A

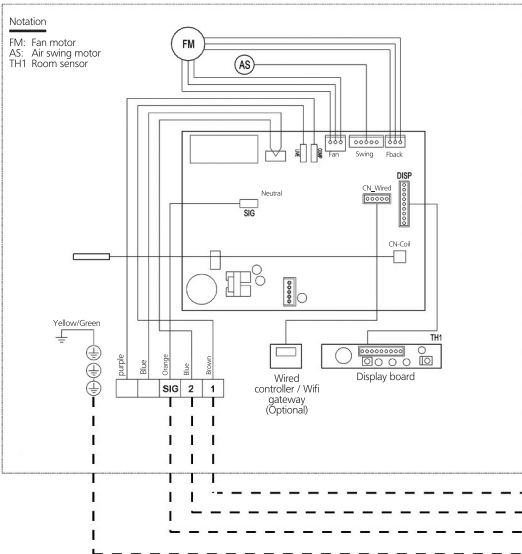


7 Wiring diagrams

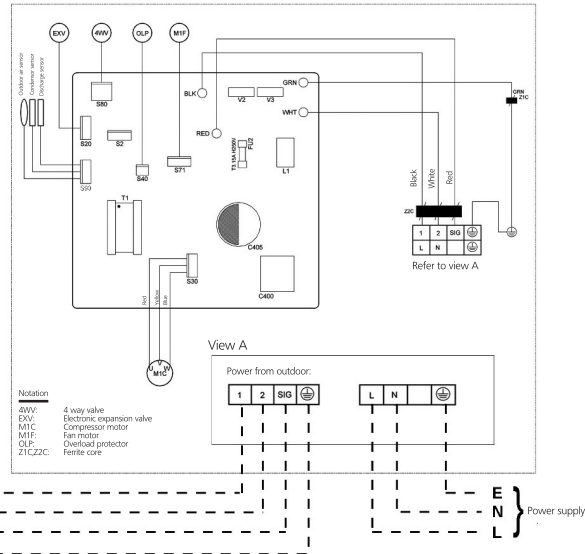
7 - 1 Wiring Diagrams - Single Phase

FTXK25-35AW/S + RXK25-35A

Indoor unit



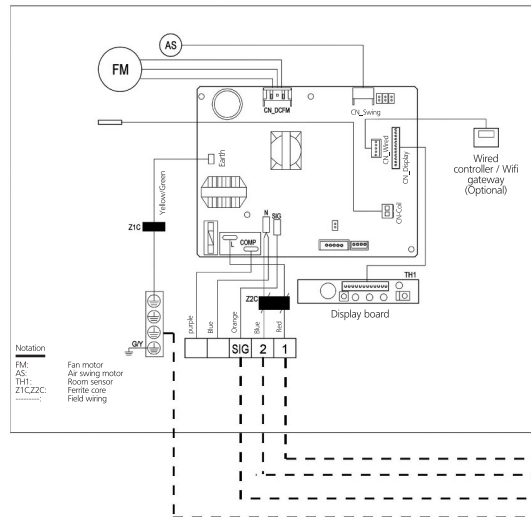
Outdoor unit



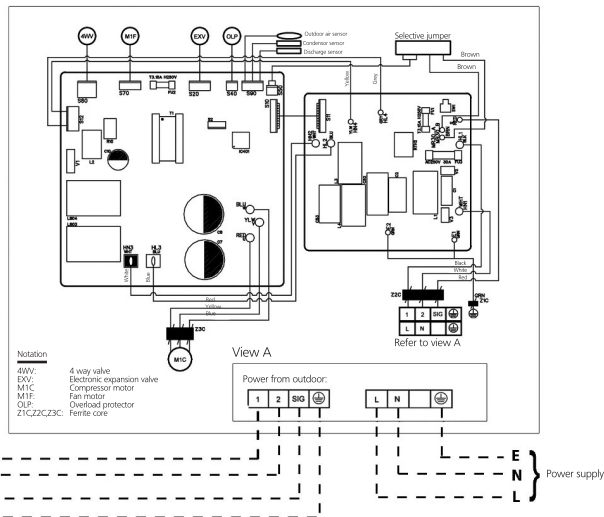
WiringDiagram_FTXK25_35AV1B_2015-04-24

FTXK50-60AW/S + RXK50-60A

Indoor unit



Outdoor unit

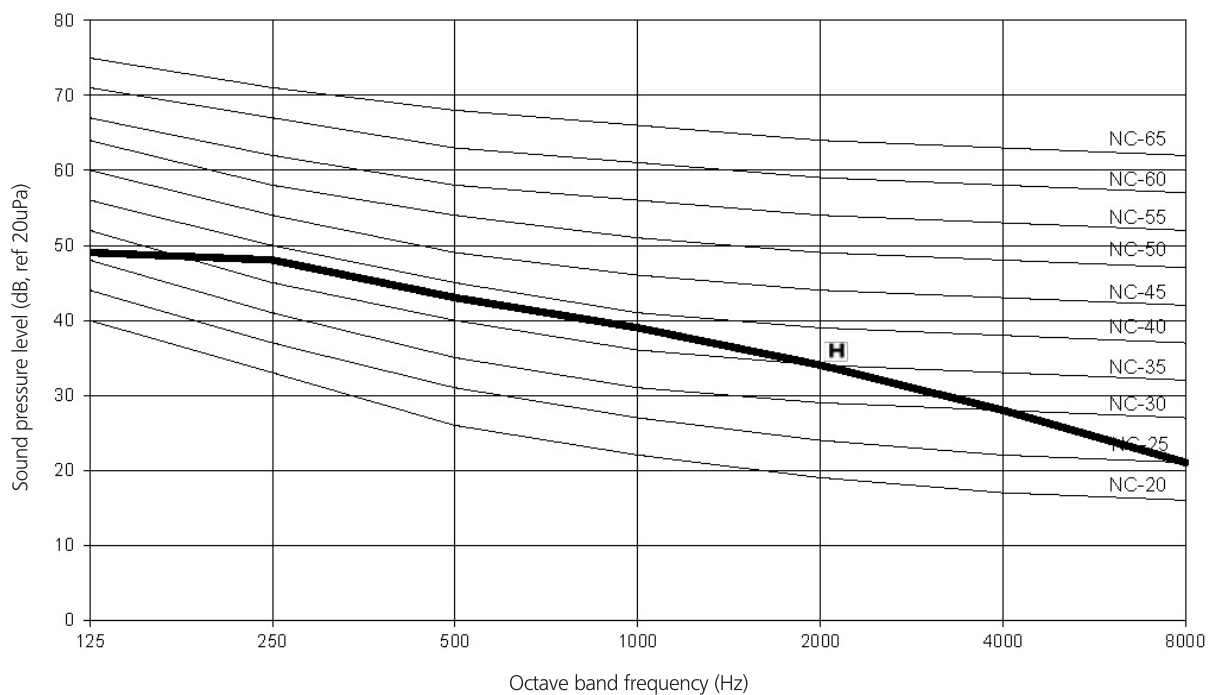


WiringDiagram_FTXK50_60AV1B_2015-04-24

8 Sound data

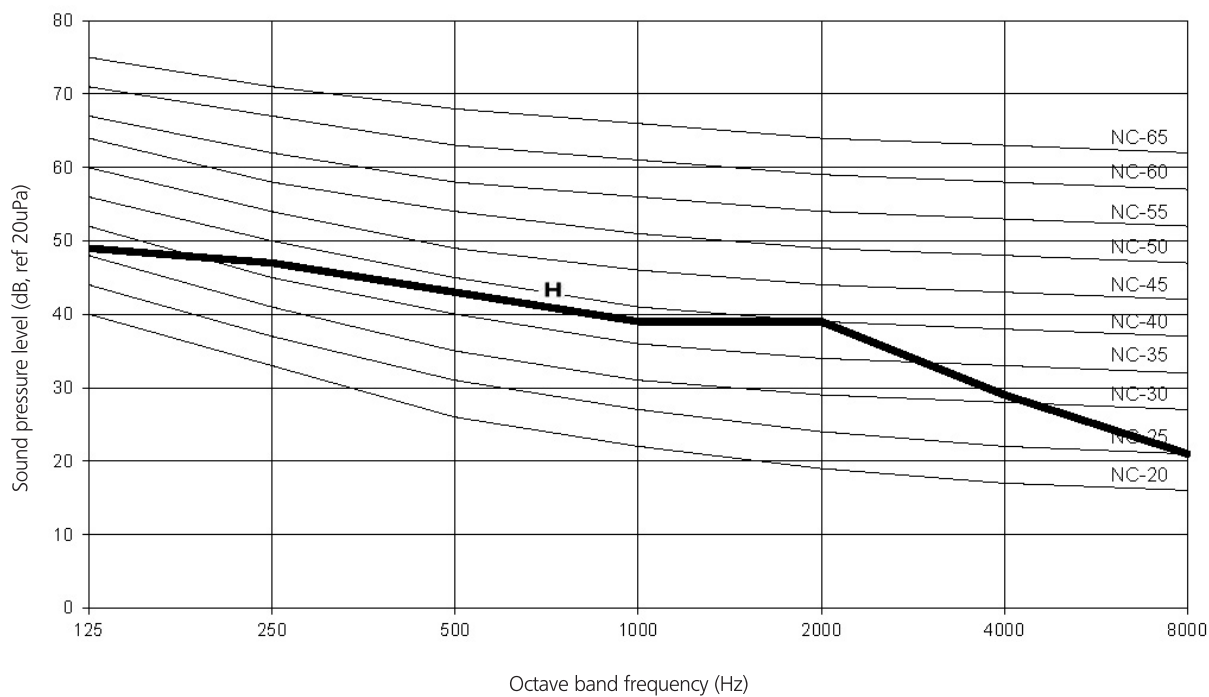
8 - 1 Sound Pressure Spectrum

RXK25A



NcCurve_RXK-A_2015-04-24

RXK35A



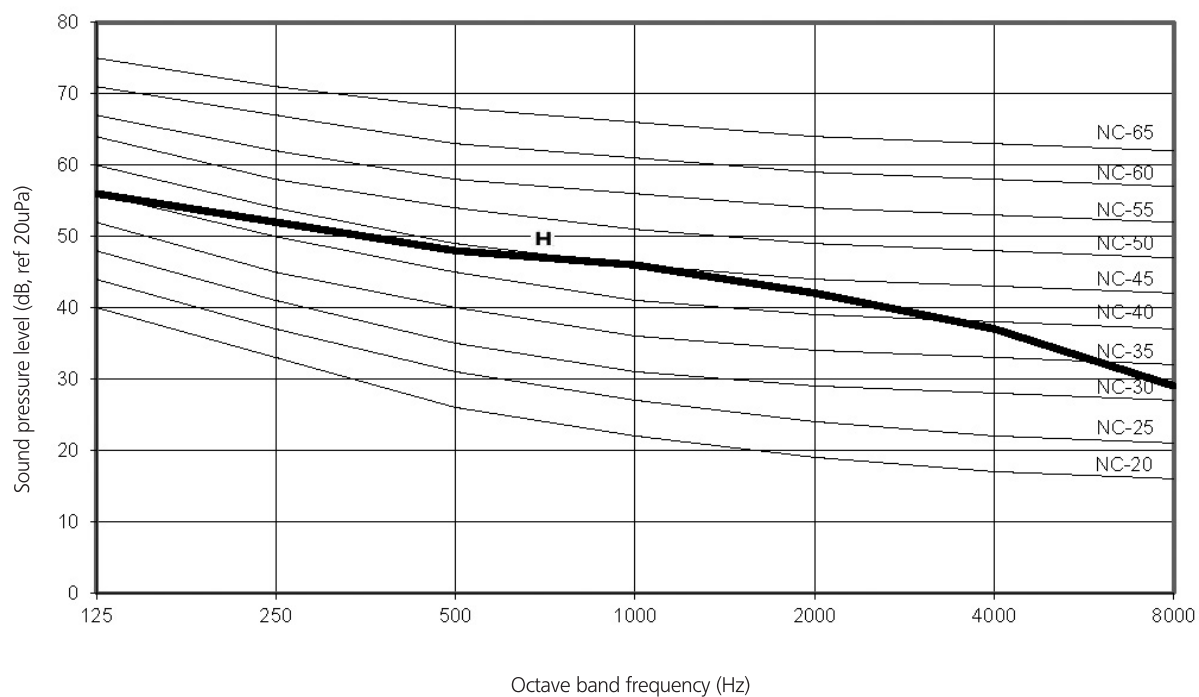
NcCurve_RXK-A_2015-04-24

8 Sound data

8 - 1 Sound Pressure Spectrum

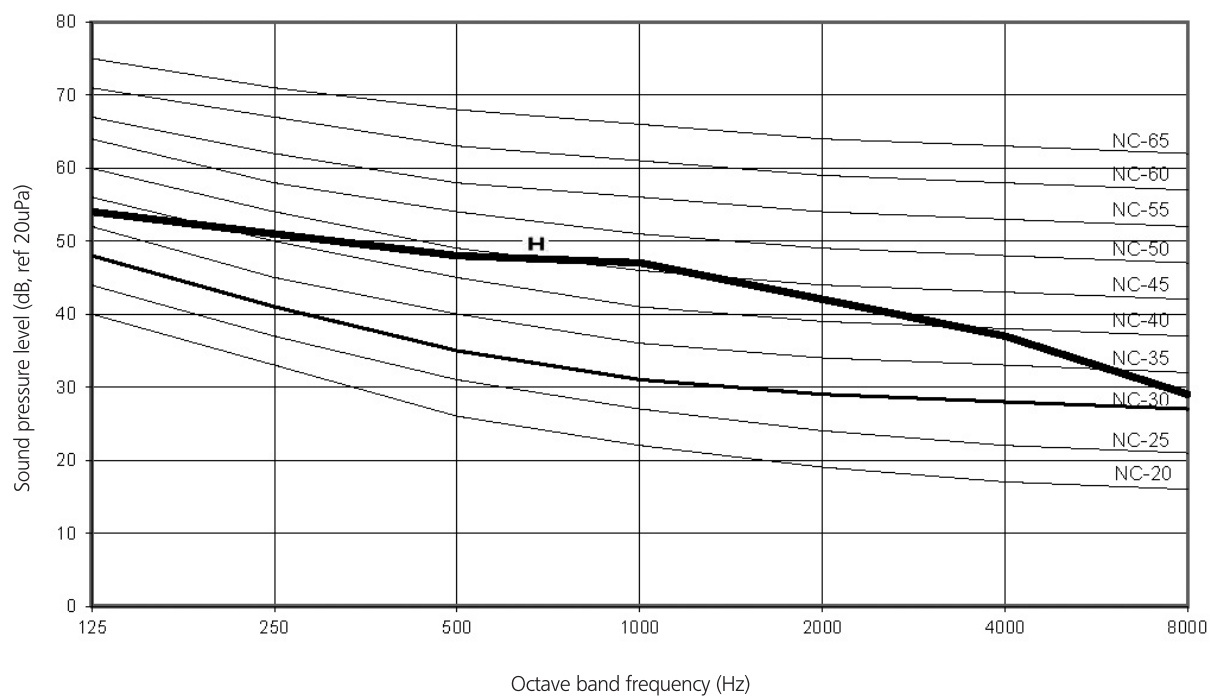
8

RXK50A



NcCurve_RXK-A_2015-04-24

RXK60A

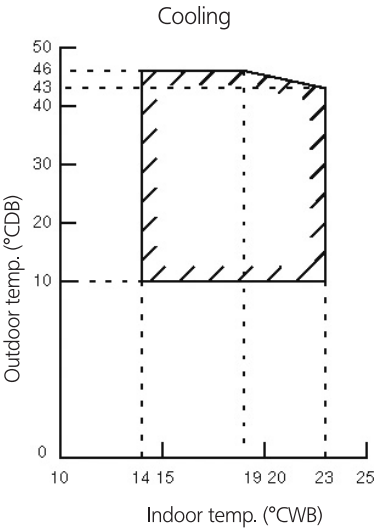


NcCurve_RXK-A_2015-04-24

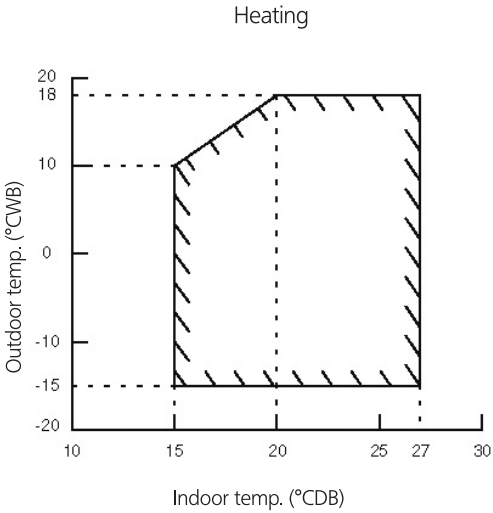
9 Operation range

9 - 1 Operation Range

RXK25-35A

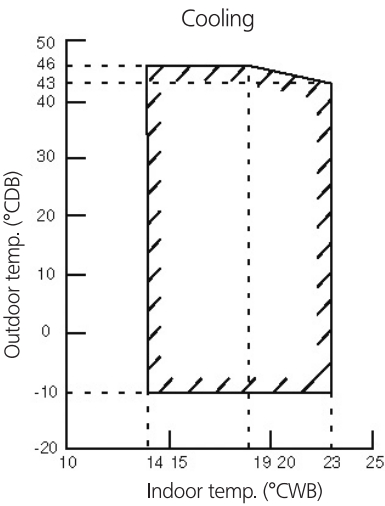


DB: Dry bulb
WB: Wet bulb

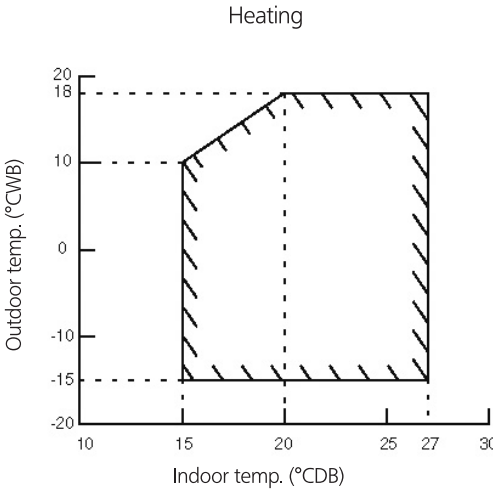


OperatingRange_RXK-A_2015-04-23

RXK50-60A



DB: Dry bulb
WB: Wet bulb



OperatingRange_RXK-A_2015-04-23



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