DAIKIN

Air Conditioning

Technical Data



EEDEN14-006

RXN-M

TABLE OF CONTENTS

RXN-M

1 Features 2

2 Specifications 3
Nominal Capacity And Nominal Input 3
Technical Specifications 3
Electrical Specifications 5

3 Capacity tables 6
Cooling/Heating Capacity Tables 6

4 Dimensional drawings 10

5 Piping diagrams 11

6 Wiring diagrams 12
Wiring Diagrams - Single Phase 12

7 Sound data 14
Sound Pressure Spectrum 14

8 Operation range 16

1 Features

- Energy efficient units: full range A class energy labels
- Anti-corrosion treated outdoor heat exchanger fin
- Heat pumps are all-in-one heating & cooling solutions for residential & commercial applications. They extract thermal energy from the ambient air and are therfore more energy efficient and emit far less CO2 than comparable fossil fuel based boiler systems.
- Daikin outdoor units are neat, sturdy and can easily be mounted on a roof or terrace or simply placed against an outside wall
- Outdoor units are fitted with a swing compressor, renowned for its low noise and high energy efficiency
- Outdoor units for pair application



INVERTER

Inverter

2 Specifications

2-1 Nominal Capacity And Nominal Input					FTXN25M/RXN25M	FTXN35M/RXN35M	FTXN50M/RXN50M	FTXN60M/RXN60M
Cooling capacity	Min.			kW	1.300		1.630	1.750
				Btu/h	4,400		5,600	6,000
	Nom.			kW	2.550	3.320	5.650	6.300
				Btu/h	8,700	11,300	19,300	21,500
	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	1.250
				Btu/h	4,400		4,000	4,300
	Nom.			kW	2.840	3.580	5.620	6.400
				Btu/h	9,700	12,200	19,200	21,800
	Max.			kW	3.900	4.750	6.600	7.100
				Btu/h	13,300	16,200	22,500	24,200
Power input	Cooling	Min.		kW	0.290		0.280	
		Nom.		kW	0.730	0.970	1.650	1.880
		Max.		kW	0.980	1.390	1.910	2.000
	Heating	Min.		kW	0.270	0.285	0.240	
		Nom.		kW	0.700	0.950	1.500	1.680
		Max.		kW	1.250	1.480	1.880	2.000
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.49	3.42		3.35
	COP				4.06	3.77	3.75	3.81
	Annual energy consumption			kWh	365	485	825	940
	Energy label	Cooling			A			
		Heating			A			
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	4.01	5.30	7.21	8.29
		Heating		A	3.83	5.19	6.65	7.46

Notes

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

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

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

2-2 Technical Specifications					RXN25M	RXN35M	RXN50M	RXN60M
Capacity control	Method				Inverter controlled			
Casing	Colour				Light grey			
Dimensions	Unit	Height		mm	550		753	
		Width		mm	658		855	
		Depth		mm	289		328	
	Packed unit	Height		mm	580		793	
		Width		mm	775		990	
		Depth		mm	355		415	
Weight	Unit			kg	31		44	
Heat exchanger	Rows	Quantity			1	2		
	Face area			m^2	0.32		0.62	
	Tube material				Seamless Inner Grooved Copper			
	Tube diameter			mm	7			
	Fin	Type			Aluminium (Corrugated)			
Compressor	Oil Amount			cm^3	375		-	
	Type				Hermetic swing			
	Oil Type				Daphne FVC50K (Ether Oil)			
	Power input	Cooling	Nom.	W	661	896	-	
		Heating	Nom.	W	631	876	-	
	Running current	Cooling	Nom.	A	3.56	4.83	-	
		Heating	Nom.	A	3.38	4.72	-	

2 Specifications

2-2 Technical Specifications					RXN25M	RXN35M	RXN50M	RXN60M
Fan	Type				Direct propeller			
	Air flow rate	Cooling	Nom.	m³/min	26.64	22.92	50.88	
				cfm	940	810	1,796	
		Heating	Nom.	m³/min	26.64	22.92	50.88	
				cfm	940	810	1,796	
	Running current	Cooling	Standard	A	0.28		0.77	
		Heating	Standard	A	0.28		0.77	
Fan motor	Model				Induction			
	Index of Protection				23			
	Insulation grade				Class "E"		F	
	Poles				8			
	Output			W	23		61	
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	1.45	
	GWP				1,975			
Piping connections	Liquid	Type			Flare valve			
		OD		mm	6.35			
	Gas	Type			Flare valve			
		OD		mm	9.52		12.70	15.90
	Piping length	OU - IU	Max.	m	20		30	
		System	Chargeless	m	7.5			

2-3 Electrical Specifications			RXN25M	RXN35M	RXN50M	RXN60M
Power supply	Name		V1			
	Phase		1~			
	Frequency	Hz	50			
	Voltage	V	220-240			

Notes

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

3 Capacity tables

3 - 1 Cooling/Heating Capacity Tables

FTXN25MV1 + RXN25MV1

Cooling capacity table

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
215	15°C	21°C	2,40	1,88	0,55	2,32	1,83	0,60	2,23	1,78	0,65	2,14	1,73	0,70	1,97	1,61	0,76	1,82	1,52	0,84
		24°C	2,41	2,25	0,55	2,32	2,20	0,60	2,24	2,15	0,65	2,15	2,10	0,70	1,97	1,96	0,76	1,82	1,82	0,84
		27°C	2,43	2,43	0,56	2,34	2,34	0,60	2,26	2,26	0,65	2,18	2,18	0,71	2,01	2,01	0,77	1,87	1,87	0,85
		30°C	2,50	2,50	0,56	2,43	2,43	0,60	2,35	2,35	0,66	2,28	2,28	0,71	2,11	2,11	0,77	1,98	1,98	0,85
	19°C	24°C	2,65	1,76	0,56	2,56	1,71	0,61	2,46	1,67	0,66	2,37	1,62	0,72	2,17	1,51	0,78	2,01	1,42	0,86
		27°C	2,65	2,01	0,56	2,56	1,96	0,61	2,47	1,92	0,66	2,37	1,87	0,72	2,18	1,75	0,78	2,01	1,66	0,86
		30°C	2,66	2,48	0,56	2,57	2,43	0,61	2,47	2,37	0,66	2,38	2,32	0,72	2,19	2,17	0,78	2,03	2,03	0,86
		33°C	2,69	2,69	0,56	2,60	2,60	0,61	2,52	2,52	0,66	2,43	2,43	0,72	2,25	2,25	0,78	2,10	2,10	0,86
	22°C	27°C	2,92	1,72	0,57	2,82	1,68	0,62	2,71	1,64	0,67	2,61	1,59	0,73	2,40	1,48	0,79	2,22	1,40	0,87
		30°C	2,92	2,09	0,57	2,82	2,05	0,62	2,71	2,00	0,67	2,61	1,96	0,73	2,40	1,83	0,79	2,22	1,74	0,87
		33°C	2,92	2,45	0,57	2,82	2,40	0,62	2,72	2,35	0,67	2,61	2,30	0,73	2,40	2,16	0,79	2,23	2,05	0,87
		36°C	2,93	2,77	0,57	2,83	2,72	0,62	2,73	2,66	0,67	2,63	2,60	0,73	2,43	2,43	0,79	2,26	2,26	0,88
272	15°C	21°C	2,50	1,96	0,56	2,41	1,91	0,61	2,32	1,86	0,66	2,22	1,81	0,71	2,04	1,68	0,77	1,88	1,59	0,85
		24°C	2,51	2,38	0,56	2,42	2,33	0,61	2,33	2,27	0,66	2,23	2,21	0,71	2,05	2,05	0,77	1,90	1,90	0,85
		27°C	2,54	2,54	0,56	2,45	2,45	0,61	2,37	2,37	0,66	2,28	2,28	0,71	2,11	2,11	0,78	1,96	1,96	0,86
		30°C	2,64	2,64	0,57	2,57	2,57	0,61	2,49	2,49	0,66	2,41	2,41	0,72	2,23	2,23	0,78	2,09	2,09	0,86
	19°C	24°C	2,76	1,86	0,57	2,66	1,81	0,62	2,56	1,76	0,67	2,45	1,71	0,72	2,25	1,60	0,78	2,08	1,51	0,86
		27°C	2,76	2,14	0,57	2,66	2,09	0,62	2,56	2,04	0,67	2,46	2,00	0,72	2,26	1,87	0,78	2,09	1,77	0,86
		30°C	2,77	2,64	0,57	2,68	2,58	0,62	2,58	2,52	0,67	2,48	2,46	0,72	2,29	2,29	0,79	2,12	2,12	0,87
		33°C	2,82	2,82	0,57	2,73	2,73	0,62	2,65	2,65	0,67	2,56	2,56	0,73	2,37	2,37	0,79	2,22	2,22	0,87
	22°C	27°C	3,03	1,82	0,58	2,92	1,78	0,63	2,81	1,73	0,68	2,70	1,68	0,74	2,48	1,57	0,80	2,30	1,48	0,88
		30°C	3,03	2,23	0,58	2,92	2,18	0,63	2,82	2,14	0,68	2,70	2,09	0,74	2,49	1,95	0,80	2,30	1,85	0,88
		33°C	3,04	2,61	0,58	2,93	2,56	0,63	2,82	2,51	0,68	2,71	2,46	0,74	2,50	2,31	0,80	2,31	2,19	0,88
		36°C	3,06	2,96	0,58	2,96	2,90	0,63	2,85	2,84	0,68	2,75	2,75	0,74	2,54	2,54	0,80	2,37	2,37	0,89
345	15°C	21°C	2,59	2,05	0,56	2,50	2,00	0,61	2,40	1,94	0,66	2,30	1,89	0,72	2,11	1,76	0,78	1,95	1,66	0,86
		24°C	2,61	2,49	0,56	2,51	2,43	0,61	2,42	2,37	0,66	2,32	2,31	0,72	2,13	2,13	0,78	1,97	1,97	0,86
		27°C	2,65	2,65	0,57	2,56	2,56	0,61	2,48	2,48	0,66	2,39	2,39	0,72	2,21	2,21	0,78	2,06	2,06	0,86
		30°C	2,78	2,78	0,57	2,70	2,70	0,62	2,62	2,62	0,67	2,53	2,53	0,73	2,34	2,34	0,79	2,19	2,19	0,87
	19°C	24°C	2,86	1,97	0,57	2,75	1,92	0,62	2,65	1,87	0,67	2,54	1,82	0,73	2,33	1,69	0,79	2,15	1,60	0,87
		27°C	2,86	2,27	0,57	2,76	2,22	0,62	2,66	2,17	0,67	2,55	2,12	0,73	2,34	1,98	0,79	2,16	1,87	0,87
		30°C	2,89	2,80	0,58	2,79	2,74	0,62	2,69	2,67	0,67	2,58	2,58	0,73	2,38	2,38	0,79	2,21	2,21	0,88
		33°C	2,95	2,95	0,58	2,86	2,86	0,63	2,78	2,78	0,68	2,68	2,68	0,74	2,49	2,49	0,80	2,33	2,33	0,88
	22°C	27°C	3,13	1,92	0,58	3,02	1,88	0,63	2,91	1,83	0,69	2,79	1,78	0,74	2,56	1,67	0,81	2,37	1,57	0,89
		30°C	3,14	2,37	0,58	3,03	2,33	0,63	2,91	2,27	0,69	2,80	2,22	0,74	2,57	2,08	0,81	2,38	1,97	0,89
		33°C	3,15	2,78	0,59	3,04	2,73	0,63	2,93	2,67	0,69	2,81	2,61	0,75	2,59	2,45	0,81	2,40	2,32	0,89
		36°C	3,18	3,14	0,59	3,08	3,08	0,64	2,97	2,97	0,69	2,87	2,87	0,75	2,65	2,65	0,81	2,47	2,47	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

1 Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2 Shows nominal capacities.
3 Direct interpolation is permissible. Do not extrapolate.
4 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		6		10	
DB°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16	1,42	0,50	1,77	0,54	2,11	0,57	2,46	0,61	2,87	0,65	3,14	0,68
18	1,41	0,53	1,75	0,56	2,10	0,60	2,44	0,63	2,85	0,68	3,13	0,70
20	1,40	0,55	1,74	0,59	2,09	0,62	2,43	0,66	2,84	0,70	3,11	0,73
21	1,39	0,56	1,73	0,60	2,08	0,63	2,42	0,67	2,84	0,71	3,11	0,74
22	1,38	0,58	1,73	0,61	2,07	0,65	2,41	0,68	2,83	0,72	3,10	0,75
24	1,37	0,61	1,71	0,64	2,06	0,68	2,40	0,71	2,81	0,75	3,08	0,78

Remark

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

Notes

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

PerformanceTable_FTXN-MV1_2014-03-14

3 Capacity tables

3 - 1 Cooling/Heating Capacity Tables

FTXN35MV1 + RXN35MV1

Cooling capacity table

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
232	15°C	21°C	3,13	2,21	0,74	3,02	2,16	0,80	2,91	2,10	0,86	2,79	2,04	0,94	2,56	1,90	1,02	2,37	1,78	1,12
		24°C	3,13	2,65	0,74	3,02	2,59	0,80	2,91	2,53	0,86	2,79	2,47	0,94	2,57	2,30	1,02	2,37	2,17	1,12
		27°C	3,16	3,00	0,74	3,05	2,94	0,80	2,95	2,87	0,87	2,83	2,79	0,94	2,62	2,60	1,02	2,43	2,43	1,12
		30°C	3,26	3,26	0,74	3,16	3,16	0,80	3,07	3,07	0,87	2,97	2,97	0,95	2,75	2,75	1,03	2,57	2,57	1,13
	19°C	24°C	3,45	2,07	0,75	3,33	2,01	0,81	3,21	1,96	0,88	3,08	1,91	0,95	2,83	1,77	1,03	2,62	1,67	1,14
		27°C	3,45	2,36	0,75	3,33	2,31	0,81	3,21	2,26	0,88	3,08	2,20	0,95	2,83	2,06	1,03	2,62	1,95	1,14
		30°C	3,46	2,92	0,75	3,34	2,86	0,81	3,22	2,79	0,88	3,10	2,72	0,95	2,85	2,55	1,03	2,65	2,41	1,14
		33°C	3,50	3,50	0,75	3,39	3,39	0,81	3,28	3,28	0,88	3,16	3,16	0,96	2,93	2,93	1,04	2,74	2,74	1,15
	22°C	27°C	3,80	2,02	0,76	3,67	1,97	0,83	3,53	1,92	0,90	3,39	1,87	0,97	3,12	1,74	1,05	2,89	1,64	1,16
		30°C	3,80	2,46	0,76	3,67	2,41	0,83	3,53	2,36	0,90	3,39	2,30	0,97	3,12	2,15	1,05	2,89	2,04	1,16
		33°C	3,80	2,88	0,76	3,67	2,82	0,83	3,54	2,77	0,90	3,40	2,71	0,97	3,13	2,54	1,05	2,90	2,42	1,16
		36°C	3,81	3,26	0,76	3,69	3,20	0,83	3,56	3,13	0,90	3,43	3,06	0,97	3,16	2,87	1,06	2,94	2,72	1,16
282	15°C	21°C	3,26	2,31	0,74	3,14	2,25	0,80	3,02	2,19	0,87	2,90	2,13	0,94	2,66	1,98	1,02	2,45	1,87	1,13
		24°C	3,27	2,80	0,74	3,15	2,74	0,80	3,03	2,67	0,87	2,91	2,60	0,95	2,67	2,43	1,03	2,47	2,29	1,13
		27°C	3,31	3,18	0,75	3,19	3,11	0,81	3,08	3,03	0,87	2,97	2,94	0,95	2,75	2,73	1,03	2,56	2,55	1,14
		30°C	3,44	3,44	0,75	3,34	3,34	0,81	3,24	3,24	0,88	3,14	3,14	0,96	2,91	2,91	1,04	2,72	2,72	1,15
	19°C	24°C	3,59	2,18	0,76	3,46	2,13	0,82	3,33	2,07	0,89	3,20	2,02	0,96	2,94	1,88	1,04	2,71	1,77	1,15
		27°C	3,59	2,52	0,76	3,47	2,46	0,82	3,34	2,41	0,89	3,20	2,35	0,96	2,94	2,20	1,04	2,72	2,08	1,15
		30°C	3,61	3,10	0,76	3,49	3,04	0,82	3,36	2,97	0,89	3,23	2,90	0,96	2,98	2,71	1,05	2,76	2,56	1,15
		33°C	3,67	3,67	0,76	3,56	3,56	0,82	3,45	3,45	0,89	3,33	3,33	0,97	3,09	3,09	1,05	2,89	2,89	1,16
	22°C	27°C	3,94	2,14	0,77	3,80	2,09	0,83	3,66	2,04	0,90	3,52	1,98	0,98	3,23	1,85	1,06	2,99	1,74	1,17
		30°C	3,95	2,62	0,77	3,81	2,57	0,83	3,67	2,51	0,90	3,52	2,45	0,98	3,24	2,30	1,06	2,99	2,18	1,17
		33°C	3,95	3,08	0,77	3,82	3,02	0,83	3,68	2,96	0,90	3,53	2,89	0,98	3,25	2,71	1,06	3,01	2,58	1,17
		36°C	3,98	3,48	0,77	3,85	3,41	0,84	3,72	3,34	0,91	3,58	3,26	0,98	3,30	3,05	1,07	3,08	2,88	1,18
358	15°C	21°C	3,38	2,41	0,75	3,25	2,35	0,81	3,13	2,29	0,88	3,00	2,22	0,95	2,75	2,07	1,03	2,54	1,95	1,14
		24°C	3,40	2,93	0,75	3,27	2,86	0,81	3,15	2,79	0,88	3,02	2,72	0,95	2,78	2,53	1,03	2,56	2,39	1,14
		27°C	3,45	3,36	0,75	3,34	3,27	0,81	3,22	3,18	0,88	3,11	3,08	0,96	2,87	2,85	1,04	2,68	2,66	1,15
		30°C	3,62	3,62	0,76	3,52	3,52	0,82	3,41	3,41	0,89	3,30	3,30	0,97	3,05	3,05	1,05	2,85	2,85	1,16
	19°C	24°C	3,72	2,31	0,76	3,58	2,25	0,82	3,45	2,20	0,89	3,31	2,14	0,97	3,03	1,99	1,05	2,80	1,88	1,16
		27°C	3,73	2,67	0,76	3,59	2,61	0,83	3,46	2,55	0,89	3,32	2,49	0,97	3,05	2,33	1,05	2,82	2,20	1,16
		30°C	3,76	3,29	0,76	3,63	3,22	0,83	3,50	3,15	0,90	3,36	3,07	0,97	3,10	2,86	1,06	2,87	2,70	1,16
		33°C	3,84	3,84	0,77	3,73	3,73	0,83	3,61	3,61	0,90	3,49	3,49	0,98	3,24	3,24	1,07	3,03	3,03	1,18
	22°C	27°C	4,08	2,26	0,78	3,93	2,21	0,84	3,79	2,16	0,91	3,63	2,10	0,99	3,34	1,96	1,07	3,08	1,85	1,18
		30°C	4,09	2,79	0,78	3,94	2,74	0,84	3,79	2,68	0,91	3,64	2,61	0,99	3,35	2,45	1,07	3,09	2,32	1,18
		33°C	4,10	3,27	0,78	3,96	3,21	0,84	3,81	3,14	0,91	3,66	3,07	0,99	3,37	2,88	1,07	3,12	2,73	1,18
		36°C	4,14	3,69	0,78	4,01	3,62	0,85	3,87	3,54	0,92	3,73	3,46	0,99	3,45	3,22	1,08	3,22	3,03	1,19

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

1 Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2 Shows nominal capacities.
3 Direct interpolation is permissible. Do not extrapolate.
4 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		6		10	
DB°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16	1,80	0,68	2,23	0,73	2,66	0,78	3,10	0,83	3,62	0,88	3,96	0,92
18	1,78	0,72	2,21	0,77	2,65	0,81	3,08	0,86	3,60	0,92	3,94	0,96
20	1,76	0,75	2,19	0,80	2,63	0,84	3,06	0,89	3,58	0,95	3,93	0,99
21	1,75	0,77	2,19	0,82	2,62	0,86	3,05	0,91	3,57	0,97	3,92	1,01
22	1,74	0,78	2,18	0,83	2,61	0,88	3,04	0,93	3,56	0,98	3,91	1,02
24	1,72	0,82	2,16	0,87	2,59	0,92	3,02	0,96	3,54	1,02	3,89	1,06

Remark

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

Notes

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

PerformanceTable_FTXN-MV1_2014-03-14

3 Capacity tables

3 - 1 Cooling/Heating Capacity Tables

FTXN50MV1 + RXN50MV1

Cooling capacity table

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
418	15°C	21°C	5,33	3,47	1,25	5,14	3,38	1,36	4,95	3,29	1,47	4,75	3,19	1,59	4,36	2,97	1,73	4,03	2,79	1,90
		24°C	5,33	4,15	1,25	5,15	4,06	1,36	4,95	3,96	1,47	4,76	3,87	1,59	4,37	3,61	1,73	4,04	3,41	1,91
		27°C	5,38	4,71	1,26	5,20	4,60	1,36	5,02	4,49	1,47	4,83	4,38	1,60	4,45	4,07	1,73	4,14	3,83	1,91
		30°C	5,54	5,54	1,26	5,38	5,38	1,37	5,22	5,22	1,48	5,05	5,05	1,61	4,68	4,68	1,75	4,38	4,38	1,93
	19°C	24°C	5,88	3,24	1,27	5,67	3,16	1,38	5,46	3,07	1,49	5,25	2,99	1,62	4,82	2,78	1,76	4,46	2,62	1,94
		27°C	5,88	3,70	1,27	5,67	3,62	1,38	5,47	3,54	1,49	5,25	3,45	1,62	4,83	3,23	1,76	4,46	3,06	1,94
		30°C	5,89	4,57	1,27	5,69	4,47	1,38	5,49	4,38	1,50	5,28	4,27	1,62	4,86	3,99	1,76	4,51	3,78	1,94
		33°C	5,96	5,96	1,28	5,77	5,77	1,38	5,58	5,58	1,50	5,39	5,39	1,63	4,99	4,99	1,77	4,66	4,66	1,95
	22°C	27°C	6,47	3,17	1,30	6,24	3,09	1,40	6,01	3,02	1,52	5,78	2,93	1,65	5,31	2,73	1,79	4,92	2,58	1,97
		30°C	6,47	3,86	1,30	6,24	3,78	1,40	6,01	3,69	1,52	5,78	3,61	1,65	5,32	3,38	1,79	4,92	3,20	1,97
		33°C	6,47	4,51	1,30	6,25	4,43	1,40	6,02	4,34	1,52	5,78	4,25	1,65	5,32	3,99	1,79	4,93	3,79	1,98
		36°C	6,49	5,12	1,30	6,28	5,01	1,41	6,06	4,91	1,53	5,84	4,80	1,66	5,38	4,50	1,80	5,01	4,27	1,98
471	15°C	21°C	5,54	3,62	1,26	5,34	3,52	1,37	5,14	3,43	1,48	4,93	3,33	1,61	4,52	3,10	1,74	4,17	2,92	1,92
		24°C	5,56	4,39	1,27	5,36	4,29	1,37	5,16	4,18	1,48	4,95	4,08	1,61	4,55	3,81	1,74	4,20	3,59	1,92
		27°C	5,63	4,99	1,27	5,44	4,87	1,37	5,25	4,74	1,49	5,06	4,60	1,61	4,67	4,28	1,75	4,35	4,00	1,93
		30°C	5,86	5,86	1,28	5,69	5,69	1,38	5,52	5,52	1,50	5,34	5,34	1,63	4,95	4,95	1,77	4,62	4,62	1,95
	19°C	24°C	6,11	3,42	1,29	5,89	3,34	1,39	5,67	3,25	1,51	5,44	3,16	1,63	5,00	2,94	1,77	4,62	2,78	1,95
		27°C	6,12	3,94	1,29	5,90	3,85	1,39	5,68	3,77	1,51	5,45	3,68	1,64	5,01	3,44	1,77	4,63	3,25	1,96
		30°C	6,15	4,86	1,29	5,93	4,76	1,39	5,72	4,65	1,51	5,50	4,54	1,64	5,07	4,24	1,78	4,70	4,01	1,96
		33°C	6,25	6,25	1,29	6,06	6,06	1,40	5,87	5,87	1,52	5,67	5,67	1,65	5,25	5,25	1,79	4,91	4,91	1,98
	22°C	27°C	6,71	3,35	1,31	6,47	3,27	1,42	6,23	3,19	1,54	5,99	3,10	1,67	5,50	2,89	1,81	5,09	2,73	1,99
		30°C	6,72	4,11	1,31	6,48	4,03	1,42	6,24	3,94	1,54	5,99	3,84	1,67	5,51	3,60	1,81	5,09	3,42	1,99
		33°C	6,73	4,82	1,31	6,50	4,73	1,42	6,26	4,63	1,54	6,01	4,53	1,67	5,53	4,25	1,81	5,13	4,03	2,00
		36°C	6,77	5,45	1,31	6,55	5,34	1,42	6,32	5,23	1,54	6,09	5,11	1,67	5,62	4,78	1,82	5,24	4,51	2,00
529	15°C	21°C	5,75	3,77	1,28	5,54	3,68	1,38	5,32	3,58	1,49	5,10	3,48	1,62	4,68	3,24	1,76	4,32	3,05	1,94
		24°C	5,78	4,59	1,28	5,57	4,48	1,38	5,36	4,37	1,50	5,14	4,25	1,62	4,72	3,97	1,76	4,36	3,74	1,94
		27°C	5,87	5,25	1,28	5,68	5,12	1,39	5,49	4,98	1,50	5,29	4,82	1,63	4,89	4,47	1,77	4,56	4,17	1,95
		30°C	6,16	6,16	1,29	5,98	5,98	1,40	5,80	5,80	1,52	5,61	5,61	1,65	5,19	5,19	1,79	4,85	4,85	1,98
	19°C	24°C	6,33	3,62	1,30	6,10	3,53	1,40	5,87	3,44	1,52	5,63	3,35	1,65	5,16	3,12	1,79	4,77	2,94	1,97
		27°C	6,35	4,19	1,30	6,12	4,09	1,40	5,89	4,00	1,52	5,65	3,90	1,65	5,19	3,65	1,79	4,79	3,45	1,97
		30°C	6,40	5,15	1,30	6,17	5,04	1,41	5,95	4,93	1,53	5,72	4,80	1,65	5,27	4,49	1,79	4,89	4,23	1,98
		33°C	6,54	6,54	1,31	6,35	6,35	1,42	6,15	6,15	1,54	5,95	5,95	1,67	5,51	5,51	1,81	5,15	5,15	2,00
	22°C	27°C	6,94	3,54	1,32	6,70	3,46	1,43	6,44	3,38	1,55	6,18	3,29	1,68	5,68	3,07	1,82	5,25	2,90	2,01
		30°C	6,96	4,37	1,32	6,71	4,28	1,43	6,46	4,19	1,55	6,20	4,09	1,68	5,69	3,83	1,82	5,27	3,63	2,01
		33°C	6,98	5,12	1,32	6,74	5,03	1,43	6,49	4,92	1,55	6,24	4,81	1,69	5,74	4,51	1,83	5,32	4,28	2,01
		36°C	7,04	5,78	1,33	6,82	5,67	1,44	6,59	5,55	1,56	6,35	5,41	1,69	5,87	5,05	1,84	5,47	4,75	2,03

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

1 Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2 Shows nominal capacities.
3 Direct interpolation is permissible. Do not extrapolate.
4 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		6		10	
DB°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16	2,82	1,08	3,50	1,16	4,18	1,23	4,86	1,31	5,68	1,39	6,22	1,46
18	2,79	1,13	3,47	1,21	4,16	1,28	4,84	1,36	5,65	1,45	6,19	1,51
20	2,76	1,18	3,44	1,26	4,13	1,33	4,81	1,41	5,62	1,50	6,16	1,56
21	2,75	1,21	3,43	1,29	4,11	1,36	4,79	1,44	5,61	1,53	6,15	1,59
22	2,73	1,24	3,42	1,31	4,10	1,39	4,78	1,46	5,59	1,55	6,13	1,61
24	2,70	1,30	3,39	1,37	4,07	1,45	4,75	1,52	5,56	1,61	6,10	1,67

Remark

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

Notes

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

PerformanceTable_FTXN-MV1_2014-03-14

3 Capacity tables

3 - 1 Cooling/Heating Capacity Tables

FTXN60MV1 + RXN60MV1

Cooling capacity table

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
507	15°C	21°C	5,94	4,09	1,43	5,73	3,98	1,54	5,52	3,88	1,67	5,30	3,77	1,81	4,86	3,50	1,97	4,49	3,30	2,17
		24°C	5,95	4,90	1,43	5,74	4,79	1,55	5,52	4,68	1,67	5,30	4,56	1,81	4,87	4,26	1,97	4,51	4,02	2,17
		27°C	6,00	5,55	1,43	5,80	5,43	1,55	5,59	5,30	1,68	5,38	5,16	1,82	4,97	4,81	1,97	4,62	4,51	2,18
		30°C	6,18	6,18	1,44	6,00	6,00	1,56	5,82	5,82	1,69	5,63	5,63	1,83	5,22	5,22	1,99	4,89	4,89	2,20
	19°C	24°C	6,55	3,82	1,45	6,32	3,72	1,57	6,09	3,62	1,70	5,85	3,52	1,85	5,38	3,28	2,00	4,97	3,09	2,21
		27°C	6,56	4,37	1,45	6,33	4,27	1,57	6,09	4,17	1,70	5,85	4,07	1,85	5,38	3,81	2,00	4,98	3,61	2,21
		30°C	6,57	5,39	1,45	6,34	5,28	1,57	6,12	5,16	1,70	5,88	5,04	1,85	5,42	4,71	2,01	5,03	4,46	2,21
		33°C	6,64	6,64	1,46	6,43	6,43	1,58	6,22	6,22	1,71	6,01	6,01	1,86	5,56	5,56	2,02	5,20	5,20	2,22
	22°C	27°C	7,21	3,74	1,48	6,96	3,65	1,60	6,71	3,56	1,74	6,44	3,46	1,88	5,93	3,22	2,04	5,48	3,04	2,25
		30°C	7,21	4,56	1,48	6,96	4,46	1,60	6,71	4,36	1,74	6,44	4,25	1,88	5,93	3,98	2,04	5,49	3,78	2,25
		33°C	7,21	5,32	1,48	6,97	5,22	1,60	6,71	5,12	1,74	6,45	5,01	1,88	5,93	4,70	2,04	5,50	4,47	2,25
		36°C	7,24	6,03	1,48	7,00	5,91	1,60	6,76	5,79	1,74	6,51	5,66	1,89	6,00	5,31	2,05	5,58	5,04	2,26
585	15°C	21°C	6,18	4,27	1,44	5,96	4,16	1,56	5,73	4,05	1,69	5,50	3,93	1,83	5,04	3,66	1,98	4,65	3,45	2,19
		24°C	6,20	5,18	1,44	5,98	5,06	1,56	5,75	4,94	1,69	5,52	4,81	1,83	5,07	4,49	1,99	4,69	4,24	2,19
		27°C	6,27	5,88	1,45	6,06	5,74	1,56	5,85	5,60	1,69	5,64	5,43	1,84	5,21	5,04	2,00	4,85	4,72	2,20
		30°C	6,54	6,54	1,46	6,35	6,35	1,58	6,15	6,15	1,71	5,95	5,95	1,86	5,52	5,52	2,02	5,16	5,16	2,23
	19°C	24°C	6,81	4,04	1,46	6,57	3,93	1,59	6,32	3,83	1,72	6,07	3,73	1,86	5,57	3,47	2,02	5,15	3,27	2,23
		27°C	6,82	4,65	1,47	6,58	4,55	1,59	6,33	4,44	1,72	6,08	4,34	1,86	5,58	4,06	2,02	5,16	3,84	2,23
		30°C	6,85	5,74	1,47	6,62	5,61	1,59	6,38	5,49	1,72	6,13	5,35	1,87	5,65	5,00	2,03	5,24	4,73	2,23
		33°C	6,97	6,97	1,47	6,76	6,76	1,59	6,54	6,54	1,73	6,32	6,32	1,88	5,86	5,86	2,04	5,48	5,48	2,25
	22°C	27°C	7,48	3,95	1,49	7,22	3,86	1,62	6,95	3,76	1,75	6,67	3,66	1,90	6,13	3,41	2,06	5,67	3,22	2,27
		30°C	7,49	4,85	1,49	7,23	4,75	1,62	6,96	4,64	1,75	6,68	4,53	1,90	6,14	4,25	2,06	5,68	4,03	2,27
		33°C	7,50	5,68	1,49	7,24	5,57	1,62	6,98	5,46	1,75	6,70	5,34	1,90	6,17	5,01	2,06	5,72	4,76	2,27
		36°C	7,55	6,42	1,50	7,31	6,30	1,62	7,05	6,17	1,76	6,80	6,03	1,91	6,27	5,64	2,07	5,85	5,32	2,28
654	15°C	21°C	6,41	4,45	1,45	6,17	4,34	1,57	5,94	4,22	1,70	5,69	4,11	1,84	5,22	3,82	2,00	4,81	3,60	2,20
		24°C	6,44	5,41	1,45	6,21	5,28	1,57	5,98	5,15	1,70	5,73	5,02	1,85	5,27	4,68	2,00	4,86	4,41	2,21
		27°C	6,55	6,20	1,46	6,33	6,04	1,58	6,12	5,87	1,71	5,90	5,69	1,86	5,45	5,27	2,02	5,08	4,92	2,23
		30°C	6,87	6,87	1,47	6,67	6,67	1,59	6,47	6,47	1,73	6,26	6,26	1,88	5,79	5,79	2,04	5,41	5,41	2,25
	19°C	24°C	7,05	4,27	1,48	6,80	4,16	1,60	6,54	4,06	1,73	6,27	3,95	1,88	5,76	3,68	2,04	5,32	3,47	2,24
		27°C	7,08	4,94	1,48	6,82	4,83	1,60	6,56	4,71	1,73	6,30	4,60	1,88	5,78	4,30	2,04	5,35	4,07	2,25
		30°C	7,13	6,08	1,48	6,88	5,95	1,60	6,63	5,81	1,74	6,38	5,67	1,88	5,87	5,29	2,04	5,45	4,99	2,25
		33°C	7,29	7,29	1,49	7,08	7,08	1,61	6,86	6,86	1,75	6,63	6,63	1,90	6,14	6,14	2,06	5,75	5,75	2,28
	22°C	27°C	7,74	4,18	1,50	7,47	4,09	1,63	7,19	3,98	1,77	6,90	3,88	1,92	6,33	3,62	2,08	5,85	3,42	2,29
		30°C	7,76	5,15	1,51	7,48	5,05	1,63	7,20	4,94	1,77	6,91	4,83	1,92	6,35	4,52	2,08	5,87	4,29	2,29
		33°C	7,78	6,04	1,51	7,51	5,93	1,63	7,24	5,81	1,77	6,95	5,68	1,92	6,40	5,32	2,08	5,93	5,05	2,29
		36°C	7,85	6,81	1,51	7,61	6,69	1,64	7,34	6,54	1,78	7,08	6,38	1,93	6,54	5,95	2,09	6,10	5,60	2,31

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

1 Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2 Shows nominal capacities.
3 Direct interpolation is permissible. Do not extrapolate.
4 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		6		10	
DB°C	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

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

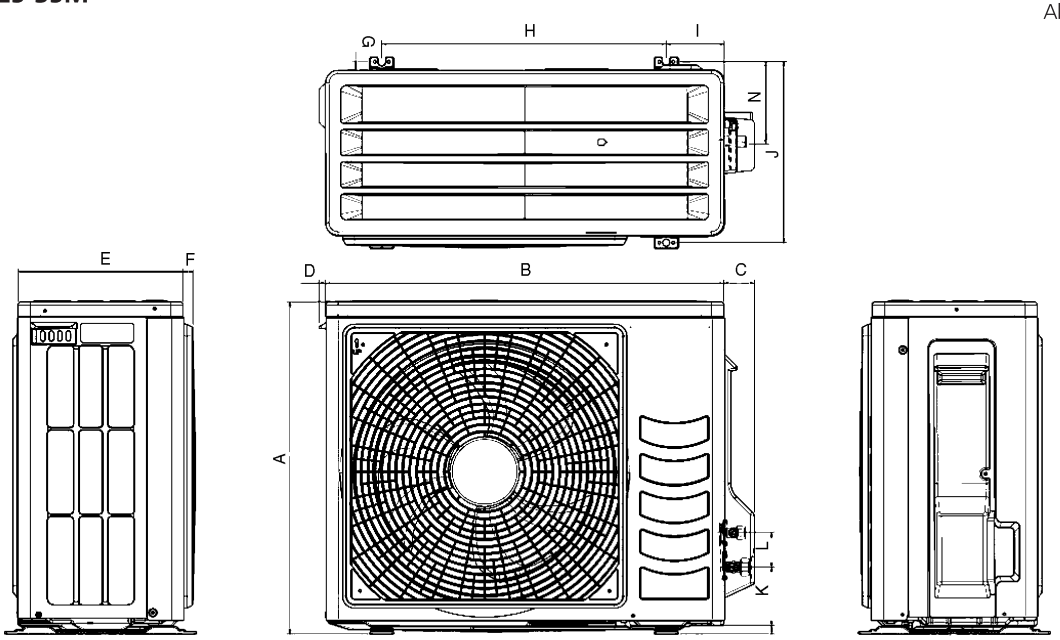
PerformanceTable_FTXN-MV1_2014-03-14

4 Dimensional drawings

4 - 1 Dimensional Drawings

RXN25-35M

All dimensions are in mm

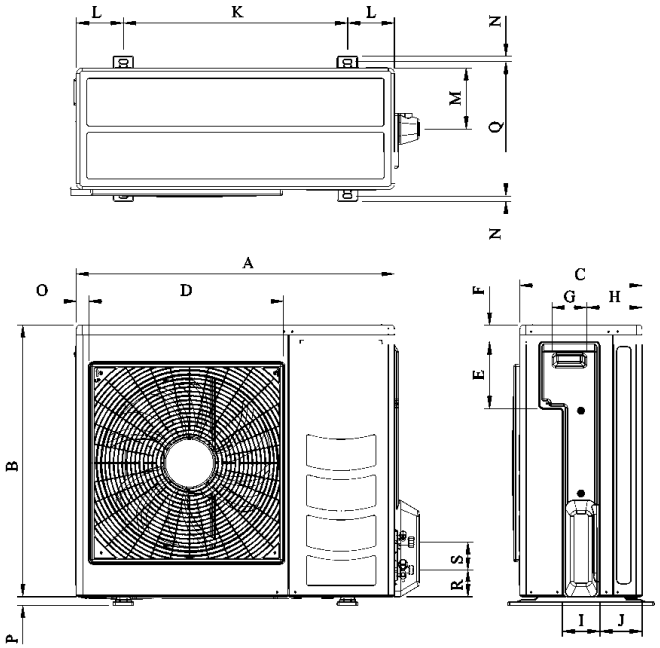


Dimension / Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N
RXN25-35MV1	550	658	51	11	273	16	14	470	96	299	94	60	14	133

Dimension_FTXN-MV1_2014-05-14

RXN50-60M

All dimensions are in mm



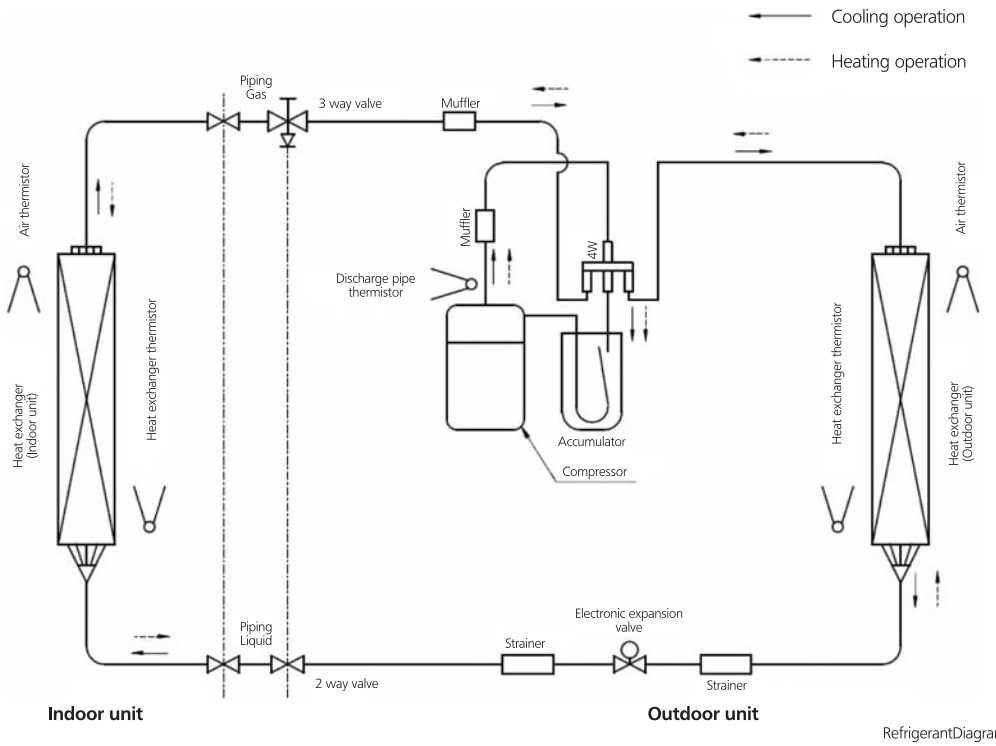
Dimension / Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
RXN50-60MV1	855	730	328	520	179	46	93	149	101	113	603	126	164	15	34	23	362	73	75

Dimension_FTXN-MV1_2014-05-14

5 Piping diagrams

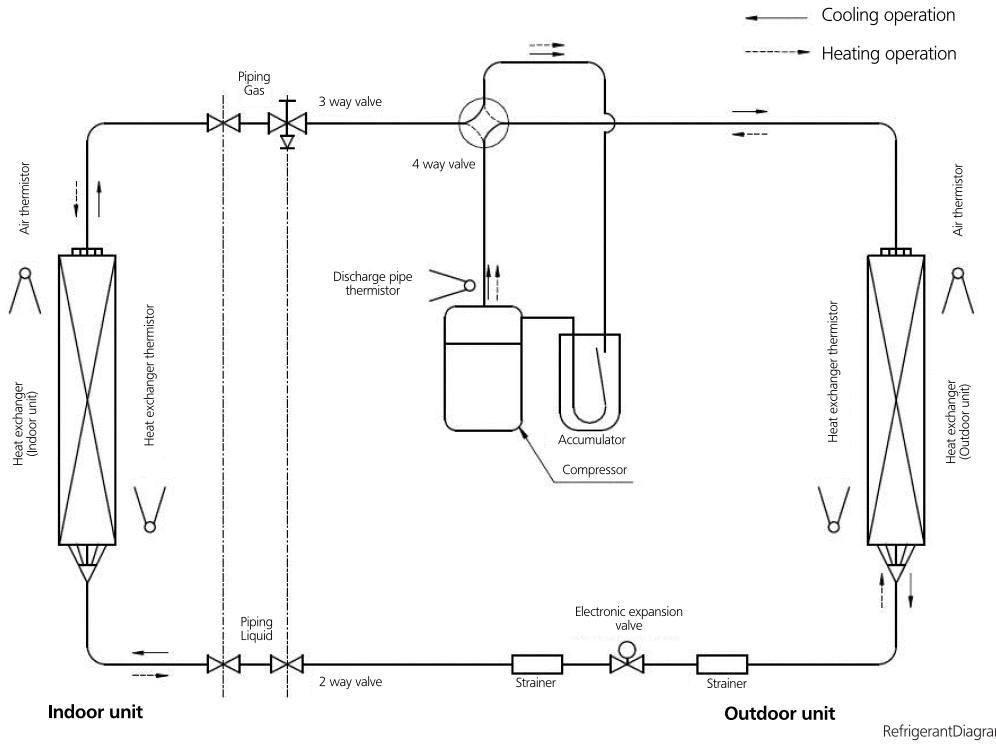
5 - 1 Piping Diagrams

FTXN25-35M + RXN25-35M



RefrigerantDiagram_FTXN-MV1_2014-05-14

FTXN50-60M + RXN50-60M

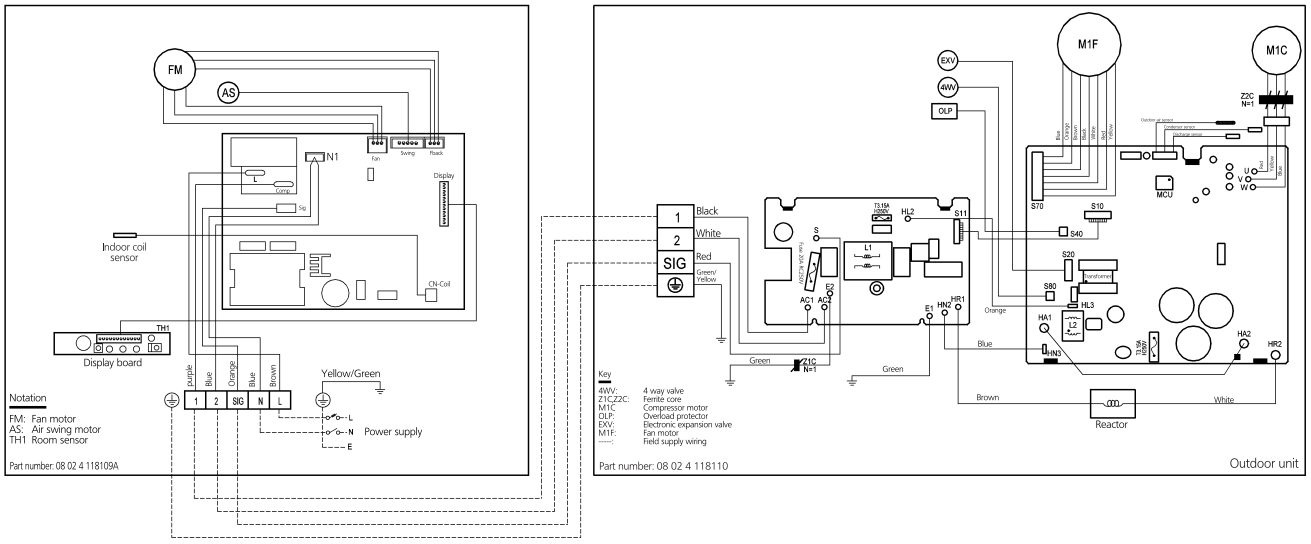


RefrigerantDiagram_FTXN-MV1_2014-05-14

6 Wiring diagrams

6 - 1 Wiring Diagrams - Single Phase

FTXN25-35M + RXN25-35M

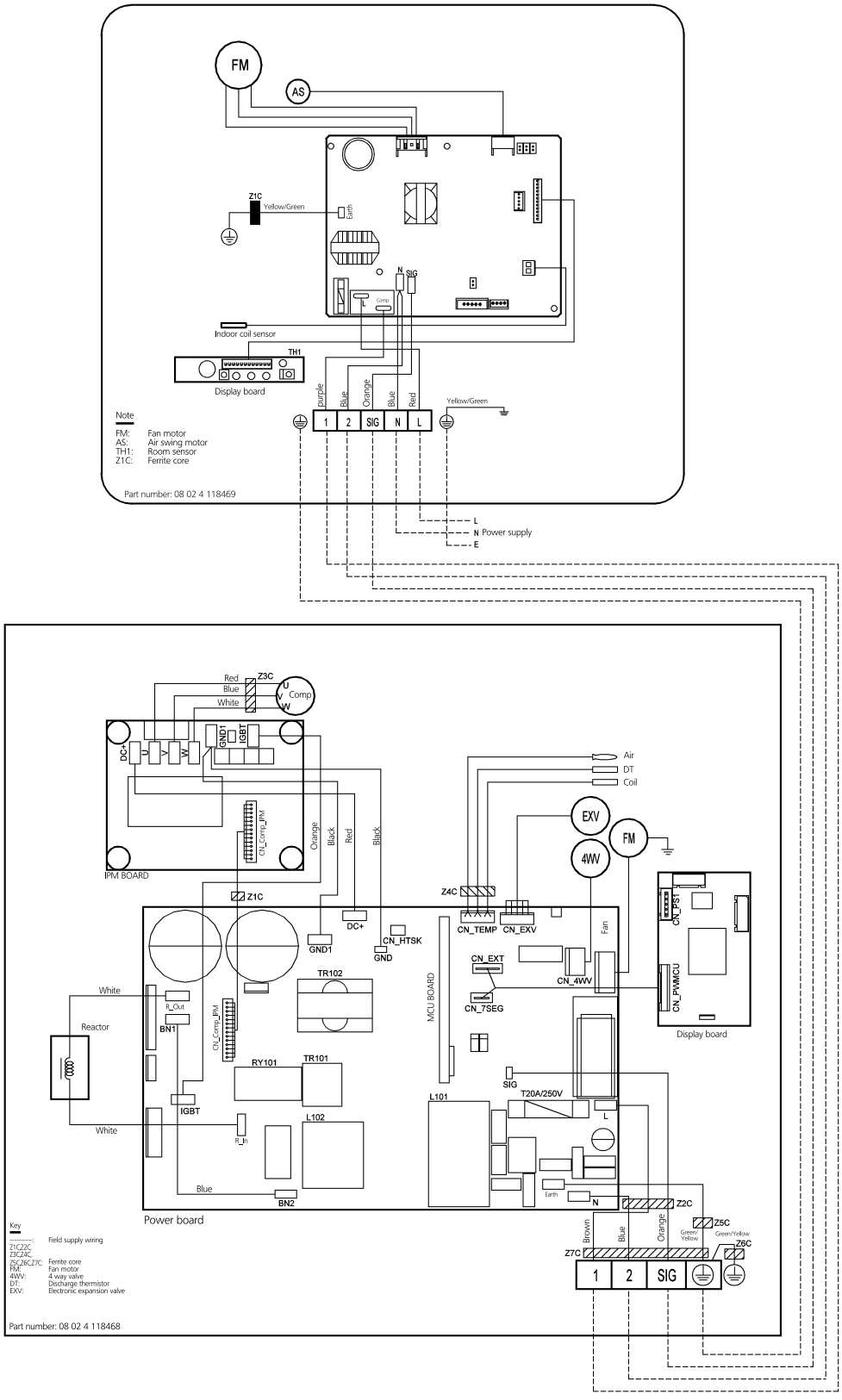


WiringDiagram_FTXN2535MV1_2014-05-14

6 Wiring diagrams

6 - 1 Wiring Diagrams - Single Phase

FTXN50-60M + RXN50-60M



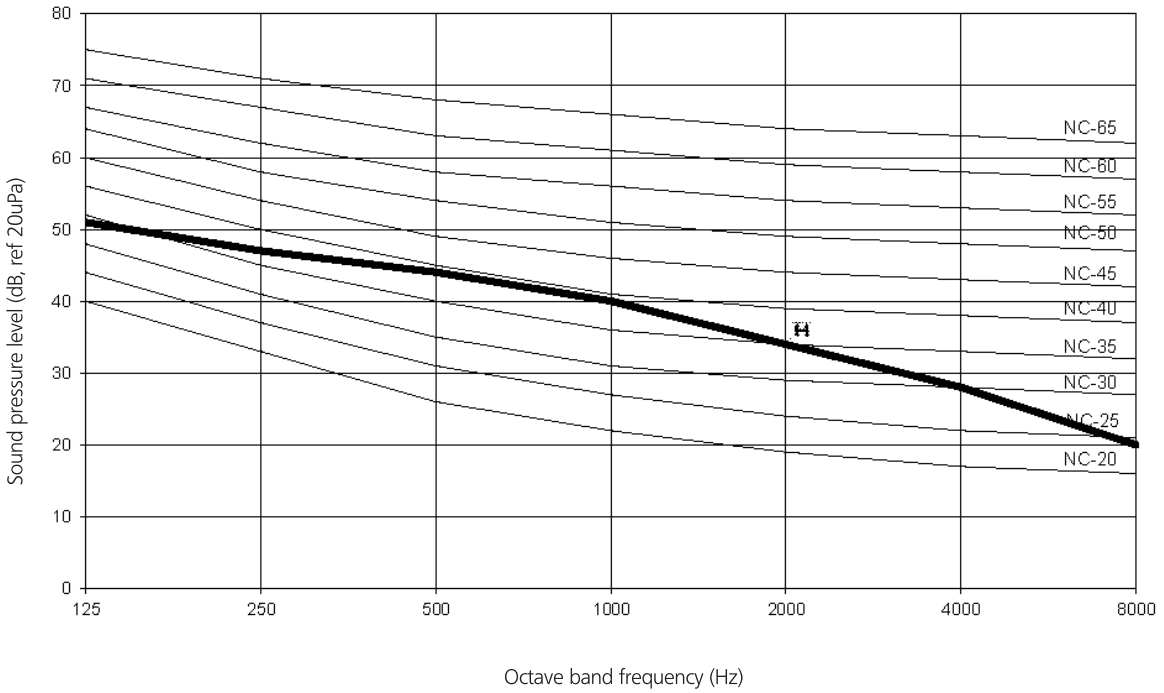
Part number: 70 03 4 119689

WiringDiagram_FTXN5060MV1_2014-05-14

7 Sound data

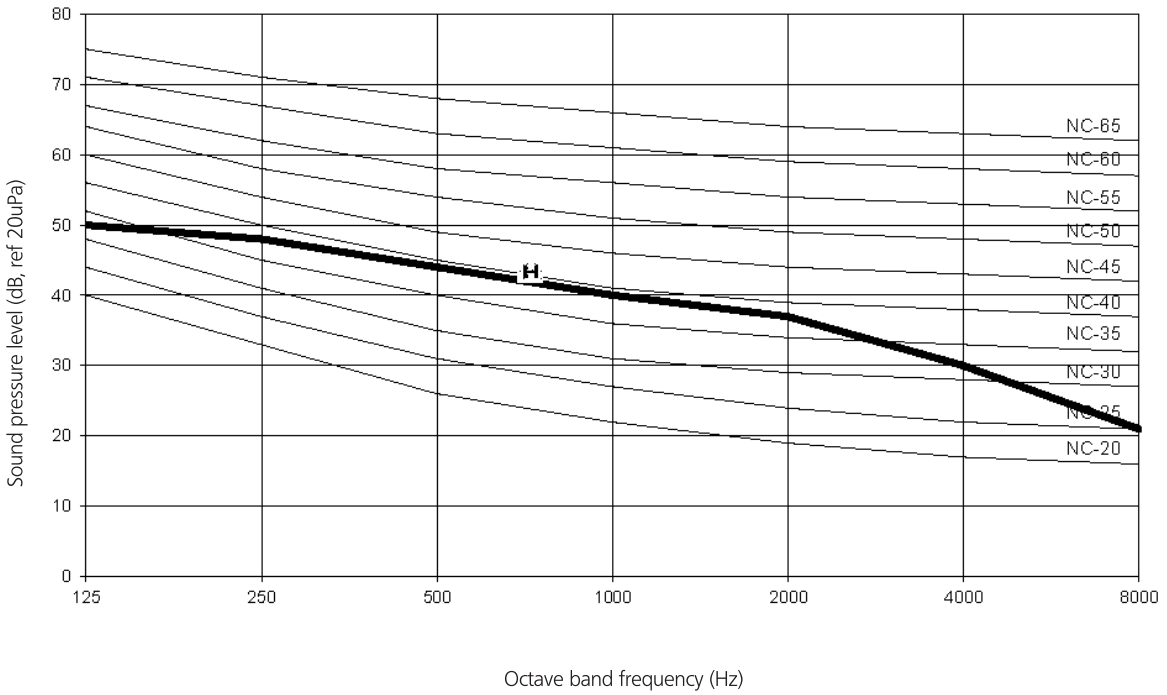
7 - 1 Sound Pressure Spectrum

RXN25M



NcCurve_RXN-MV1_2014-03-17

RXN35M

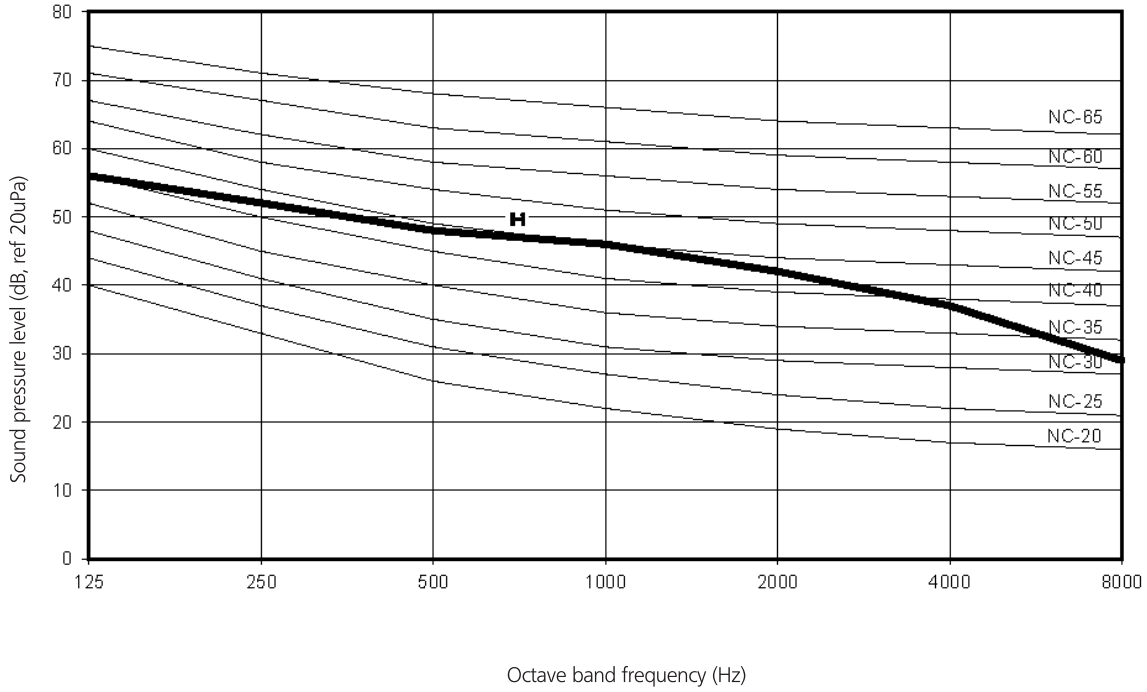


NcCurve_RXN-MV1B_2014-03-17

7 Sound data

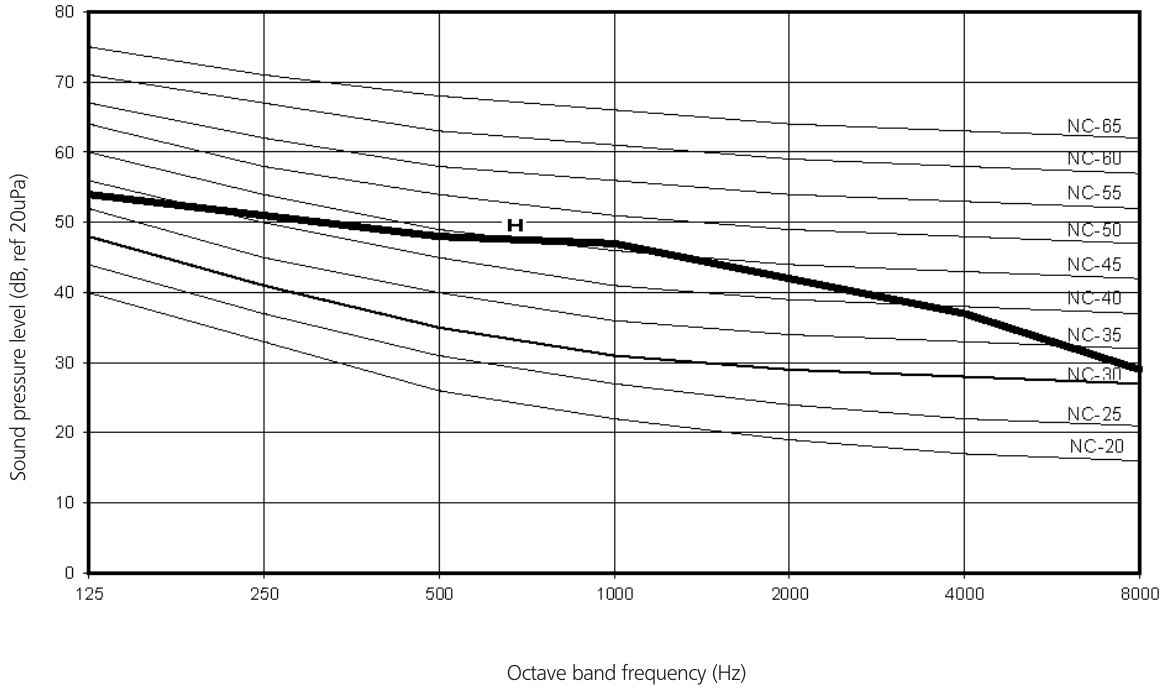
7 - 1 Sound Pressure Spectrum

RXN50M



NcCurve_RXN-MV1_2014-03-17

RXN60M

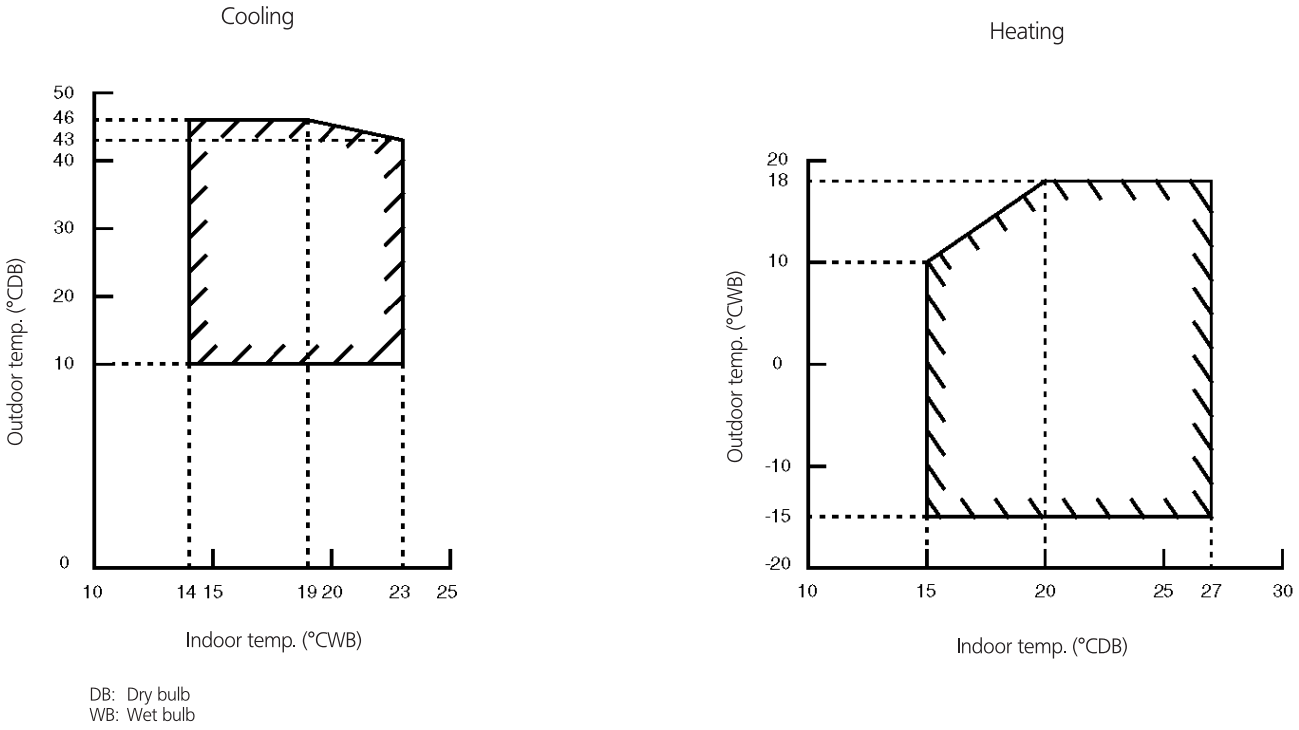


NcCurve_RXN-MV1_2014-03-17

8 Operation range

8 - 1 Operation Range

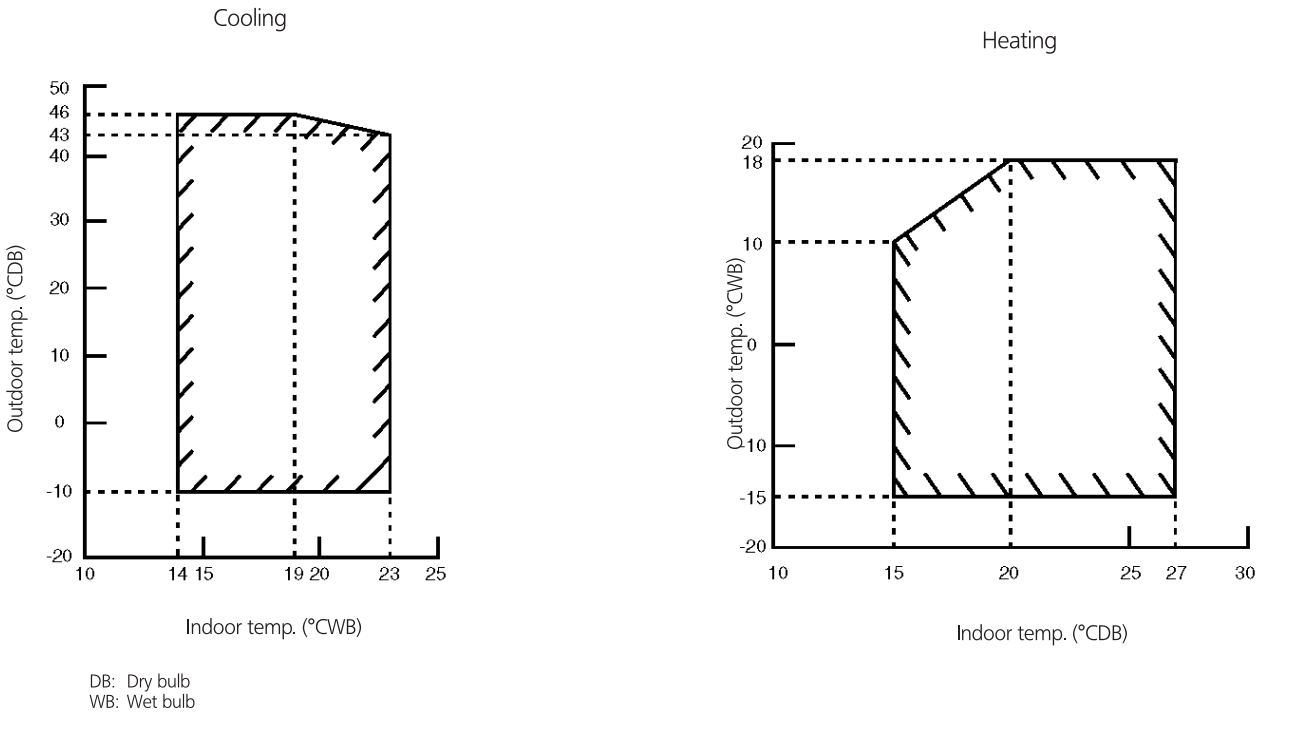
RXN25-35M



DB: Dry bulb
WB: Wet bulb

OperatingRange_FTXN-MV1_2015-04-14

RXN50-60M



DB: Dry bulb
WB: Wet bulb

OperatingRange_FTXN-MV1_2015-04-14

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