



# Air Conditioning Technical Data



EEDEN13-100

RXS-K

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## RXS-K

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# 1 Features

- Outdoor units for pair application
- Daikin outdoor units are neat, sturdy and can easily be mounted on a roof or terrace or simply placed against an outside wall
- Outdoor unit silent operation: "silent" button on the remote control lowers the operation sound of the outdoor unit by 3dBA to ensure a quiet environment for the neighbourhood.
- Outdoor units are fitted with a swing compressor, renowned for its low noise and high energy efficiency
- Anti-corrosion treated outdoor heat exchanger fin



## 2 Specifications

2-1 Nominal Capacity And Nominal Input				FTXS20K/RXS20K	FTXS25K/RXS25K	FTXS35K/RXS35K	FTXS42K/RXS42K	FTXS50K/RXS50K	
Cooling capacity	Min.	kW		1.3		1.4		1.7	
		Btu/h		4,400		4,800		5,800	
		kcal/h		-		1,200		1,460	
	Nom.	kW		2.0 (2)	2.5 (2)	3.50 (2)	4.20 (2)	5.00 (2)	
		Btu/h		6,800 (2)	8,500 (2)	11,900 (2)	14,300 (2)	17,100 (2)	
		kcal/h		-		3,010 (2)	3,610 (2)	4,300 (2)	
	Max.	kW		2.8	3.2	4.0	5.0	5.3	
		Btu/h		9,600	10,900	13,600	17,100	18,100	
		kcal/h		-		3,440	4,300	4,560	
Heating capacity	Min.	kW		1.3		1.4		1.7	
		Btu/h		4,400		4,800		5,800	
		kcal/h		-		1,200		1,460	
	Nom.	kW		2.5 (3)	2.8 (3)	4.00 (3)	5.40 (3)	5.8 (3)	
		Btu/h		8,500 (3)	9,600 (3)	13,600 (3)	18,400 (3)	19,800 (3)	
		kcal/h		-		3,440 (3)	4,640 (3)	4,990 (3)	
	Max.	kW		4.3	4.7	5.2	6.0	6.5	
		Btu/h		14,700	16,000	17,700	20,500	22,200	
		kcal/h		-		4,470	5,160	5,590	
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A+		A++			
		Pdesign	kW	2.00	2.50	3.50	4.20	5.00	
		SEER		5.71	6.37	6.97	6.60		
		Annual energy consumption	kWh	123	137	176	223	265	
	Heating (Average climate)	Energy label		A++			A+		
		Pdesign	kW	2.30	2.50	3.60	4.00	4.60	
		SCOP		4.75	4.63	4.71	4.09	4.10	
		Annual energy consumption	kWh	678	756	1,071	1,371	1,571	
	Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER		4.65	4.39	4.17	3.56	3.55	
		COP		4.55	4.52	4.76	4.12	4.00	
Annual energy consumption		kWh	215	285	420	590	705		
Energy label		Cooling	A						
		Heating	A						
Piping connections	Liquid	OD	mm	6.35					
	Gas	OD	mm	9.5			12.7		
	Drain	ID	mm	-					
		OD	mm	18.0					
	Heat insulation	Both liquid and gas pipes							
Current	Nominal running current (RLA) - 50Hz	Cooling	A	2.4 (4) / 2.3 (5) / 2.2 (6)	3.2 (4) / 3.1 (5) / 3.0 (6)	4.3 (4) / 4.1 (5) / 3.9 (6)	6.0 (4) / 5.7 (5) / 5.5 (6)	6.6 (4) / 6.3 (5) / 6.0 (6)	
		Heating	A	2.8 (4) / 2.7 (5) / 2.6 (6)	3.3 (4) / 3.2 (5) / 3.1 (6)	4.3 (4) / 4.1 (5) / 3.9 (6)	6.6 (4) / 6.3 (5) / 6.0 (6)	6.8 (4) / 6.5 (5) / 6.2 (6)	

### Notes

- (1) EER/COP according to Eurovent 2012
- (2) Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB; equivalent piping length: 5m
- (3) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m
- (4) 220V
- (5) 230V
- (6) 240V

## 2 Specifications

2

2-2 Nominal Capacity And Nominal Input				FVXS25F/RXS25K	FVXS35F/RXS35K	FVXS50F/RXS50K	
Cooling capacity	Min.	kW		1.3	1.4		
		Btu/h		4,400	4,800		
		kcal/h		1,120	1,200		
	Nom.	kW		2.5 (2)	3.5 (2)	5.0 (2)	
		Btu/h		8,500 (2)	11,900 (2)	17,100 (2)	
		kcal/h		2,150 (2)	3,010 (2)	4,300 (2)	
	Max.	kW		3.0	3.8	5.6	
		Btu/h		10,200	13,000	19,100	
		kcal/h		2,580	3,270	4,820	
Heating capacity	Min.	kW		1.3	1.4		
		Btu/h		4,400	4,800		
		kcal/h		1,120	1,200		
	Nom.	kW		3.4 (3)	4.5 (3)	5.8 (3)	
		Btu/h		11,600 (3)	15,400 (3)	19,800 (3)	
		kcal/h		2,920 (3)	3,870 (3)	4,990 (3)	
	Max.	kW		4.5	5.0	8.1	
		Btu/h		15,400	17,100	27,600	
		kcal/h		3,870	4,300	6,970	
Seasonal efficiency (according to EN14825)	Cooling	Energy label		B		A	
		Pdesign	kW	2.50	3.50	5.00	
		SEER		4.71	4.93	5.53	
		Annual energy consumption	kWh	186	248	317	
	Heating (Average climate)	Energy label		A+		A	
		Pdesign	kW	2.60	2.90	4.80	
		SCOP		4.38	3.83	3.62	
		Annual energy consumption	kWh	830	1,060	1,853	
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER		4.39	3.43	3.23		
	COP		4.30	3.69	3.63		
	Annual energy consumption		kWh	285	510	775	
	Energy label	Cooling	A				
		Heating	A				
Piping connections	Liquid	OD	mm	6.35			
		Gas	OD	mm	9.5	12.7	
	Drain	ID	mm	-			
		OD	mm	20.0			
	Heat insulation		Both liquid and gas pipes				
Current	Nominal running current (RLA) - 50Hz	Cooling	A	3.5 (4) / 3.3 (5) / 3.2 (6)	4.9 (4) / 4.7 (5) / 4.5 (6)	7.2 (4) / 6.8 (5) / 6.6 (6)	
		Heating	A	4.5 (4) / 4.3 (5) / 4.1 (6)	5.9 (4) / 5.6 (5) / 5.4 (6)	7.3 (4) / 7.0 (5) / 6.7 (6)	

### Notes

(1) EER/COP according to Eurovent 2012

(2) Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB; equivalent piping length: 5m; level difference: 0m

(3) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m; level difference: 0m

(4) 220V

(5) 230V

(6) 240V

## 2 Specifications

2-3 Nominal Capacity And Nominal Input				FLXS25B/RXS25K	FLXS35B/RXS35K	FLXS50B/RXS50K	
Cooling capacity	Min.	kW	1.2			0.9	
		Btu/h	4,100			3,070	
		kcal/h	1,030			770	
	Nom.	kW	2.5 (2)	3.5 (2)		4.9 (2)	
		Btu/h	8,500 (2)	11,900 (2)		16,730 (2)	
		kcal/h	2,150 (2)	3,010 (2)		4,210 (2)	
	Max.	kW	3.0	3.8		5.3	
		Btu/h	10,200	13,000		18,090	
		kcal/h	2,580	3,270		4,560	
Heating capacity	Min.	kW	1.2	1.4		0.9	
		Btu/h	4,100			3,070	
		kcal/h	1,030			770	
	Nom.	kW	3.4 (3)	4.0 (3)		6.1 (3)	
		Btu/h	11,600 (3)	13,600 (3)		20,830 (3)	
		kcal/h	2,920 (3)	3,440 (3)		5,250 (3)	
	Max.	kW	4.5	5.0		7.5	
		Btu/h	15,400	17,100		25,610	
		kcal/h	3,870	4,300		6,450	
Seasonal efficiency (according to EN14825)	Cooling	Energy label		C		B	
		Pdesign	kW	2.50	3.50	4.90	
		SEER		4.46	4.49	5.09	
		Annual energy consumption	kWh	196	273	337	
	Heating (Average climate)	Energy label		A			
		Pdesign	kW	2.80	2.90	4.50	
		SCOP		3.63	3.42	3.68	
		Annual energy consumption	kWh	1,080	1,186	1,708	
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER		3.85	3.10	2.85		
	COP		3.47	3.25	3.35		
	Annual energy consumption		kWh	325	565	860	
	Energy label	Cooling	A				
		Heating	A				
Piping connections	Liquid	OD	mm	6.35			
	Gas	OD	mm	9.5	12.7		
	Drain						
		OD	mm	18.0			
	Heat insulation		Both liquid and gas pipes				
Current	Nominal running current (RLA) - 50Hz	Cooling	A	3.7 (4) / 3.6 (5) / 3.4 (6)	5.3 (4) / 5.1 (5) / 4.9 (6)	8.0 (4) / 7.6 (5) / 7.3 (6)	
		Heating	A	4.7 (4) / 4.5 (5) / 4.3 (6)	5.8 (4) / 5.5 (5) / 5.3 (6)	8.4 (4) / 8.0 (5) / 7.7 (6)	

### Notes

- (1) EER/COP according to Eurovent 2012
- (2) Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB; equivalent piping length: 5m; level difference: 0m
- (3) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m; level difference: 0m
- (4) 220V
- (5) 230V
- (6) 240V

## 2 Specifications

2

2-4 Nominal Capacity And Nominal Input				FDXS25F/RXS25K	FDXS35F/RXS35K	FDXS50F/RXS50K
Cooling capacity	Min.	kW		1.3	1.4	1.7
		Btu/h		4,400	4,800	5,800
		kcal/h		1,110	1,200	1,460
	Nom.	kW		2.4 (2)	3.4 (2)	5.0 (2)
		Btu/h		8,150 (2)	11,600 (2)	17,100 (2)
		kcal/h		2,060 (2)	2,920 (2)	4,300 (2)
	Max.	kW		3.0	3.8	5.3
		Btu/h		10,200	13,000	18,100
		kcal/h		2,580	3,260	4,560
Heating capacity	Min.	kW		1.3	1.4	1.7
		Btu/h		4,400	4,800	5,800
		kcal/h		1,110	1,200	1,460
	Nom.	kW		3.2 (3)	4.0 (3)	5.8 (3)
		Btu/h		10,900 (3)	13,600 (3)	19,800 (3)
		kcal/h		2,750 (3)	3,440 (3)	4,990 (3)
	Max.	kW		4.5	5.0	6.0
		Btu/h		15,350	17,100	20,500
		kcal/h		3,870	4,300	5,160
Seasonal efficiency (according to EN14825)	Cooling	Energy label		B		A
		Pdesign	kW	2.40	3.40	5.00
		SEER		5.08	4.82	5.12
		Annual energy consumption	kWh	165	247	342
	Heating (Average climate)	Energy label		A+	A	
		Pdesign	kW	2.60	2.90	3.50
		SCOP		4.19	3.81	3.41
		Annual energy consumption	kWh	869	1,066	1,438
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER		3.72 (1)	3.21 (1)	3.03 (1)	
	COP		3.90 (1)	3.39 (1)	3.10 (1)	
	Annual energy consumption	kWh	323	530	825	
	Energy label	Cooling	A			
		Heating	A			
Piping connections	Liquid	OD	mm	6.35		
	Gas	OD	mm	9.5	12.7	
	Drain	ID	mm	-		
	Heat insulation		Both liquid and gas pipes			
Current	Nominal running current (RLA) - 50Hz	Cooling	A	3.9	4.9	7.1
		Heating	A	4.2	5.4	8.3

### Notes

(1) EER/COP according to Eurovent 2012

(2) Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m

(3) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m

## 2 Specifications

2-5 Nominal Capacity And Nominal Input				FHQ35C/RXS35K		FHQ50C/RXS50K	
Cooling capacity	Nom.		kW	3.4		5.0	
Heating capacity	Nom.		kW	4.0		6.0	
Seasonal efficiency (according to EN14825)	Cooling	Energy label		B		A	
		Pdesign	kW	3.40		5.00	
		SEER		4.89		5.48	
		Annual energy consumption	kWh	243		320	
	Heating (Average climate)	Energy label		A			
		Pdesign	kW	3.10		4.35	
		SCOP		3.98		3.74	
		Annual energy consumption	kWh	1,090		1,627	
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER			3.58		3.18	
	COP			3.96		3.35	
	Annual energy consumption		kWh	475		785	
	Energy label	Cooling		A		B	
		Heating		A		C	

### Notes

(1) EER/COP according to Eurovent 2012

2-6 Nominal Capacity And Nominal Input				FFQ25B9V/RXS25K		FFQ35B9V/RXS35K		FFQ50B9V/RXS50K	
Cooling capacity	Nom.		kW	2.50 (3)		3.4 (3)		4.7 (3)	
Heating capacity	Nom.		kW	3.20 (4)		4.5 (4)		5.5 (4)	
Seasonal efficiency (according to EN14825)	Cooling	Energy label		C		A			
		Pdesign	kW	2.50		3.50		4.90	
		SEER		4.36		4.53		5.14	
		Annual energy consumption	kWh	201		270		334	
	Heating (Average climate)	Energy label		A					
		Pdesign	kW	2.80		2.90		4.50	
		SCOP		3.75		3.49		3.41	
		Annual energy consumption	kWh	1,046		1,162		1,847	
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER			3.43		2.62		2.61	
	COP			3.48		2.81			
	Annual energy consumption		kWh	365		650		900	
	Energy label	Cooling		A		D			
		Heating		B		D			
Piping connections	Liquid	OD	mm	-		6.35			
	Gas	OD	mm	-		9.5		12.7	
	Heat insulation			-		Both liquid and gas pipes			
Current	Nominal running current (RLA) - 50Hz	Cooling	A	-		6.0		8.1	
		Heating	A	-		7.3		8.8	

### Notes

(1) EER/COP according to Eurovent 2012



## 2 Specifications

2

2-7 Nominal Capacity And Nominal Input				FCQG35F/RXS35K		FCQG50F/RXS50K	
Cooling capacity	Nom.		kW	3.40		5.00	
Heating capacity	Nom.		kW	4.20		6.00	
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A		A+	
		Pdesign	kW	3.50		5.00	
		SEER		5.34		5.89	
		Annual energy consumption	kWh	230		297	
	Heating (Average climate)	Energy label		A++		A+	
		Pdesign	kW	3.32		4.36	
		SCOP		4.74		4.24	
		Annual energy consumption	kWh	981		1,442	
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER			3.58		3.55	
	COP			3.41		3.70	
	Annual energy consumption		kWh	475		705	
	Energy label	Cooling		A			
		Heating		B		A	
Piping connections	Liquid	OD	mm	6.35			
	Gas	OD	mm	9.5		12.7	

### Notes

(1) EER/COP according to Eurovent 2012

2-8 Nominal Capacity And Nominal Input				FBQ35C8/RXS35K		FBQ50C8/RXS50K	
Cooling capacity	Nom.		kW	3.40		5.00	
Heating capacity	Nom.		kW	4.00		5.50	
Seasonal efficiency (according to EN14825)	Cooling	Energy label		C		B	
		Pdesign	kW	3.50		4.90	
		SEER		4.33		4.96	
		Annual energy consumption	kWh	283		346	
	Heating (Average climate)	Energy label		A			
		Pdesign	kW	2.90		4.50	
		SCOP		3.56		3.53	
		Annual energy consumption	kWh	1,141		1,782	
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER			3.21		3.03	
	COP			3.51		3.42	
	Annual energy consumption		kWh	530		825	
	Energy label	Cooling		A			
		Heating		B			

### Notes

(1) EER/COP according to Eurovent 2012

## 2 Specifications

2-9 Technical Specifications					RXS20K	RXS25K	RXS35K	RXS42K	RXS50K		
Capacity control	Method				Inverter controlled						
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	364				390			
Weight	Unit			kg	34		39	47			
	Packed unit			kg	38		45	52			
Heat exchanger	Length			mm	805		810	845			
	Rows	Quantity			2						
	Fin pitch			mm	1.4		1.5	1.8			
	Stages	Quantity			24				32		
	Tube type				ø7 Hi-XA			ø8 Hi-XA			
	Fin	Type			Waffle louvered fin		WF fin	Precoat Fin			
	Fan	Type				Propeller fan					
		Air flow rate	Cooling	High	m <sup>3</sup> /min	33.5		36.0	37.3	50.9	
cfm					1,183		1,271	1,317	1,797		
Nom.				m <sup>3</sup> /min	33.5		36.0	37.3	50.9		
				cfm	1,183		1,271	1,317	1,797		
Low				m <sup>3</sup> /min	30.1		-				
				cfm	1,063		-				
Super low			m <sup>3</sup> /min	-		30.1	30.6	48.9			
			cfm	-		1,063	1,080	1,727			
Heating			High	m <sup>3</sup> /min	28.3		31.3		45.0		
				cfm	999		1,105		1,589		
			Low	m <sup>3</sup> /min	25.6		-				
				cfm	904		-				
Super low		m <sup>3</sup> /min	-		25.6	27.2	43.1				
		cfm	-		904	960	1,522				
Fan motor		Model				D23H-28			D50R-28	KFD-380-50-8D	
	Output			W	23		50	53			
	Speed	Cooling	High	rpm	860		920	890	780		
			Super low	rpm	780		790	670			
		Heating	High	rpm	860		890	720			
			Super low	rpm	740		780	670			
	Sound power level	Cooling	Nom.	dBA	61	62	-				
High			dBA	-		63					
Sound pressure level	Cooling	High	dBA	46		48					
		Silent operation	dBA	43		44					
	Heating	High	dBA	47		48					
		Silent operation	dBA	44		45					
Compressor	Model				1YC23AEXD		1YC23AEXDC	2YC36BXD#C			
	Type				Hermetically sealed swing compressor						
	Output			W	600		1,100				
Operation range	Cooling	Ambient	Min.	°CDB	-10						
			Max.	°CDB	46						
	Heating	Ambient	Min.	°CWB	-15						
			Max.	°CWB	18						
Refrigerant	Type				R-410A						
	Charge			kg	1.0		1.2	1.3	1.7		
	GWP				1,975						
Refrigerant oil	Type				FVC50K						
	Charged volume			l	0.375		0.650				

## 2 Specifications

2

2-9 Technical Specifications				RXS20K	RXS25K	RXS35K	RXS42K	RXS50K
Piping connections	Liquid	OD	mm	6.35				
	Gas	OD	mm	9.5				12.7
Drain	ID		mm	-				
	OD		mm	18.0				
Piping length	OU - IU	Max.	m	20				30
	System	Chargeless	m	10				
Level difference	IU - OU	Max.	m	15				20
Heat insulation				Both liquid and gas pipes				

2-10 Electrical Specifications				RXS20K	RXS25K	RXS35K	RXS42K	RXS50K
Power supply	Name			-			V1	
	Phase			1~				
	Frequency		Hz	50				
	Voltage		V	220-240				
Current	Nominal running current (RLA)	Cooling	A	2.21 (1) / 2.12 (2) / 2.03 (3)	3.01 (1) / 2.92 (2) / 2.83 (3)	4.18 (1) / 3.98 (2) / 3.79 (3)	5.89 (1) / 5.59 (2) / 5.39 (3)	6.48 (1) / 6.18 (2) / 5.89 (3)
		Heating	A	2.61 (1) / 2.52 (2) / 2.43 (3)	3.11 (1) / 3.02 (2) / 2.93 (3)	4.17 (1) / 3.97 (2) / 3.78 (3)	6.46 (1) / 6.16 (2) / 5.87 (3)	6.65 (1) / 6.36 (2) / 6.06 (3)
	Starting current	Cooling	A	2.8	3.3	4.3	6.6	6.8
		Heating	A	2.8	3.3	4.3	6.6	6.8
Current - 50Hz	Maximum fuse amps (MFA)		A	10			20	
Wiring connections	For power supply	Remark	3 for power supply, 4 for interunit wiring (including earth wiring)					

### Notes

- (1) 220V
- (2) 230V
- (3) 240V
- (4) SL: The silent fan level of the air flow rate setting

### 3 Electrical data

#### 3 - 1 Electrical Data

Representative unit combination		Power supply				Comp.			OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RLA	W	FLA	W	FLA		
FTXS20K	RXS20K	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	8.0	10	2.4	23	0.24	16	0.19		
		50 - 230				2.2		0.23		0.18		
		50 - 240				2.1		0.22		0.17		
FTXS25K	RXS25K	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	8.0	10	2.8	23	0.24	16	0.19		
		50 - 230				2.7		0.23		0.18		
		50 - 240				2.6		0.22		0.17		

3D074810A

#### 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)

#### NOTES

1. Maximum allowable voltage variation between phases is 2%.
2. Select wire size based on the larger value of MCA.
3. Instead of fuse, use circuit breaker.

#### RXS25K

Representative unit combination		Power supply				COMP		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FVXS25F	RXS25K	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	46	3.0	23	0.23	48	0.05
		50 - 230					2.8				
		50 - 240					2.7				
FFQ25B9V	RXS25K	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	46	2.4	23	0.23	55	0.60
		50 - 230					2.3				
		50 - 240					2.1				
FLXS25B	RXS25K	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	46	2.7	23	0.23	34	0.34
		50 - 230					2.5				
		50 - 240					2.4				

#### 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)

#### NOTES

- 1 RLA is based on the following conditions:  
Indoor temp.: 27°CDB/19.0°CWB  
Outdoor temp.: 35°CDB
- 2 Maximum allowable voltage variation between phases is 2%.
- 3 Select wire size based on the larger value of MCA.
- 4 Instead of fuse, use circuit breaker.

3D070944B

### 3 Electrical data

#### 3 - 1 Electrical Data

3

##### RXS25-35K

Representative unit combination		Power supply				COMP		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FDXS25F	RXS25K	50 - 230	Max. 50Hz 253V Min. 50Hz 207V	12	16	54	4.1	31	0.20	34	0.3
FDXS35F	RXS35K	50 - 230	Max. 50Hz 253V Min. 50Hz 207V	12	16	90	5.5	35	0.22	34	0.3

3D081369

##### SYMBOLS

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

##### NOTES

- 1 RLA is based on the following conditions:  
Indoor temp.: 27°CDB/19°CWB  
Outdoor temp.: 35°CDB
- 2 Maximum allowable voltage variation between phases is 2%.
- 3 Select wire size based on the larger value of MCA.
- 4 Instead of fuse, use circuit breaker.

##### RXS35K

Representative unit combination		Power supply				Comp.		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FVXS35F	RXS35K	50 - 220 50 - 230 50 - 240	max. 50Hz 264V Min. 50Hz 198V	9.75	10	66	4.8	23	0.23	48	0.05
							4.6				
							4.4				
FLXS35B	RXS35K	50 - 220 50 - 230 50 - 240	max. 50Hz 264V Min. 50Hz 198V	9.75	10	66	4.5	23	0.23	34	0.38
							4.3				
							4.1				
FTXS35K	RXS35K	50 - 220 50 - 230 50 - 240	max. 50Hz 264V Min. 50Hz 198V	8.8	10	68	3.8	23	0.23	23	0.15
							3.6				
							3.4				
FFQ35B9V	RXS35K	50 - 220 50 - 230 50 - 240	max. 50Hz 264V Min. 50Hz 198V	9.75	10	66	4.3	23	0.23	55	0.60
							4.1				
							3.9				

3D070943B

##### 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)

##### NOTES

1. RLA is based on the following conditions:  
Indoor temp.: 27°CDB/19°CWB  
Outdoor temp.: 35°CDB
2. Maximum allowable voltage variation between phases is 2%.
3. Select wire size based on the larger value of MCA.
4. Instead of fuse, use circuit breaker.

### 3 Electrical data

#### 3 - 1 Electrical Data

##### RXS35K

Representative unit combination		Power supply				COMP	OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RLA	W	FLA	W	FLA
FBQ35C8	RXS35K	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	4.1	23	0.23	56	0.30
		50 - 230				3.9				
		50 - 240				3.7				

Minimum Ssc value kVA Equipment complying with EN61000-3-12

3D072981

##### 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)

##### NOTES

- 1 RLA is based on the following conditions:  
 Indoor temp.: 27°CDB/19.0°CWB  
 Outdoor temp.: 35°CDB
- 2 Maximum allowable voltage variation between phases is 2%.
- 3 Select wire size based on the larger value of MCA.
- 4 Instead of fuse, use circuit breaker.

##### RXS35,50K

Unit combination		Power supply				Comp.	OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RLA	kW	FLA	kW	FLA
FCQG35F	RXS35K	50 - 220	Max. 50Hz 253V Min. 50Hz 207V	9.75	10	7.1	0.023	0.23	0.048	0.30
		50 - 230				3.9				
		50 - 240				3.7				
FCQG50F	RXS50K	50 - 220	Max. 50Hz 253V Min. 50Hz 207V	19.75	20	6.0	0.053	0.27	0.048	0.30
		50 - 230				5.7				
		50 - 240				3.4				

3D077408B

##### SYMBOLS

MCA : Min. Circuit Amps  
 MFA : Max. Fuse Amps (See note 6)  
 RLA : Rated Load Amps  
 OFM : Outdoor fan motor  
 IFM : Indoor Fan Motor  
 FLA : Full Load Amps  
 kW : Fan Motor Rated Output

##### NOTES

- 1 RLA is based on the following conditions:  
 Indoor temp.: 27°CDB/19.0°CWB  
 Outdoor temp.: 35°CDB
- 2 Voltage range  
 Units are suitable for use on electrical systems where the voltage supplied to the unit terminals is not below or above the listed range limits.
- 3 Maximum allowable voltage variation between phases is 2%.
- 4 MCA/MFA  
 $MCA = 1.25 \times RLA + \text{all FLA}$ ,  $MFA = < 2.25 \times RLA + \text{all FLA}$  (next lower standard fuse rating Min. 16A)
- 5 Select wire size based on the larger value of MCA.
- 6 Instead of fuse, use circuit breaker.

### 3 Electrical data

#### 3 - 1 Electrical Data

3

##### RXS35,50K

Representative unit combination		Power supply				Comp.		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RLA	W	FLA	W	FLA	
FHQ35C	RXS35K	50 - 220 50 - 230 50 - 240	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	4.3	23	0.23	60	0.60	
						4.1					
						3.9					
FHQ50C	RXS50K	50 - 220 50 - 230 50 - 240	Max. 50Hz 264V Min. 50Hz 198V	19.75	20	7.5	53	0.27	60	0.60	

3D080360

##### 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)

##### NOTES

1. RLA is based on the following conditions:  
Indoor temp.: 27°CDB/19.0°CWB  
Outdoor temp.: 35°CDB
2. Maximum allowable voltage variation between phases is 2%.
3. Select wire size based on the larger value of MCA.
4. Instead of fuse, use circuit breaker.

##### RXS42K

Representative unit combination		Power supply				Comp.		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS42K	RXS42K	50 - 220 50 - 230 50 - 240	max. 50Hz 264V Min. 50Hz 198V	11.0	20	62	6.0	50	0.23	23	0.15
							5.7				
							5.4				

3D059709D

##### 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)

##### NOTES

1. RLA is based on the following conditions:  
Indoor temp.: 27°CDB/19°CWB  
Outdoor temp.: 35°CDB
2. Maximum allowable voltage variation between phases is 2%.
3. Select wire size based on the larger value of MCA.
4. Instead of fuse, use circuit breaker.

### 3 Electrical data

#### 3 - 1 Electrical Data

##### RXS50K

Representative unit combination		Power supply				COMP		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FVXS50F	RXS50K	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	19.75	20	69	6.7	53	0.27	48	0.10
		50 - 230					6.3				
		50 - 240					6.1				
FTXS50K	RXS50K	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	15.5	20	65	6.3	53	0.27	23	0.15
		50 - 230					6.0				
		50 - 240					5.7				

##### 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)

##### NOTES

- 1 RLA is based on the following conditions:  
Indoor temp.: 27°CDB/19°CWB  
Outdoor temp.: 35°CDB
- 2 Maximum allowable voltage variation between phases is 2%.
- 3 Select wire size based on the larger value of MCA.
- 4 Instead of fuse, use circuit breaker.

3D070939B

##### RXS50K

Representative unit combination		Power supply				Comp.		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FLXS50B	RXS50K	50 - 220 50 - 230 50 - 240	max. 50Hz 264V Min. 50Hz 198V	19.75	20	73	7.1	53	0.27	34	0.54

3D070940B

##### 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)

##### NOTES

1. RLA is based on the following conditions:  
Indoor temp.: 27°CDB/19°CWB  
Outdoor temp.: 35°CDB
2. Maximum allowable voltage variation between phases is 2%.
3. Select wire size based on the larger value of MCA.
4. Instead of fuse, use circuit breaker.



### 3 Electrical data

#### 3 - 1 Electrical Data

3

##### RXS50K

Representative unit combination		Power supply				Comp.	OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RLA	W	FLA	W	FLA
FFQ50B9V	RXS50K	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	19.75	20	7.43	53	0.27	55	0.70
		50 - 230								
		50 - 240								

Minimum Ssc value kVA Equipment complying with EN61000-3-12

3D070949A

##### 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)

##### NOTES

- 1 RLA is based on the following conditions:  
Indoor temp.: 27°CDB/19.0°CWB  
Outdoor temp.: 35°CDB
- 2 Maximum allowable voltage variation between phases is 2%.
- 3 Select wire size based on the larger value of MCA.
- 4 Instead of fuse, use circuit breaker.

##### RXS50K

Representative unit combination		Power supply				Comp.	OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RLA	W	FLA	W	FLA
FBQ50C8	RXS50K	50 - 230	Max. 50Hz 253V Min. 50Hz 207V	19.75	20	7	53	0.27	140	1.2

Minimum Ssc value kVA Equipment complying with EN61000-3-12

3D070950A

##### 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)

##### NOTES

- 1 RLA is based on the following conditions:  
Indoor temp.: 27°CDB/19.0°CWB  
Outdoor temp.: 35°CDB
- 2 Maximum allowable voltage variation between phases is 2%.
- 3 Select wire size based on the larger value of MCA.
- 4 Instead of fuse, use circuit breaker.

### 3 Electrical data

#### 3 - 1 Electrical Data

##### RXS50K

Representative unit combination		Power supply				COMP		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FDXS50F	RXS50K	50 - 220 50 - 230 50 - 240	Max. 50Hz 264V Min. 50Hz 198V	19.75	20	74	6.8	53	0.27	36	0.4

3D081370

##### SYMBOLS

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

##### NOTES

- 1 RLA is based on the following conditions:  
Indoor temp.: 27°CDB/19°CWB  
Outdoor temp.: 35°CDB
- 2 Maximum allowable voltage variation between phases is 2%.
- 3 Select wire size based on the larger value of MCA.
- 4 Instead of fuse, use circuit breaker.
- 5 Be sure to install an earth leak detector. (One that uses an inverter. Which means that it must be used an earth leak detector capable handling high harmonics in order to prevent malfunctioning of the earth leak detector.)

# 4 Capacity tables

## 4 - 1 Cooling/Heating Capacity Tables

4

### FTXS20K + RXS20K

Cooling 50Hz 220-240V

AFR	8.8
BF	0.16

Temp: Celsius / TC, SHC, PI: kW

Indoor		Outdoor temp. (°CDB)																	
EWB (°C)	EDB (°C)	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	2.05	1.76	0.33	1.96	1.72	0.36	1.86	1.68	0.39	1.83	1.66	0.41	1.77	1.64	0.43	1.68	1.59	0.46
16.0	22.0	2.14	1.73	0.33	2.05	1.69	0.36	1.95	1.65	0.40	1.92	1.64	0.41	1.86	1.62	0.43	1.77	1.58	0.46
18.0	25.0	2.23	1.85	0.33	2.14	1.81	0.37	2.05	1.78	0.40	2.01	1.76	0.41	1.95	1.74	0.43	1.86	1.70	0.46
19.0	27.0	2.28	1.98	0.33	2.19	1.95	0.37	2.09	1.91	0.40	2.06	1.90	0.41	2.00	1.88	0.43	1.91	1.84	0.46
22.0	30.0	2.42	1.92	0.34	2.32	1.89	0.37	2.23	1.86	0.40	2.19	1.85	0.41	2.14	1.83	0.43	2.05	1.80	0.46
24.0	32.0	2.51	1.88	0.34	2.42	1.86	0.37	2.32	1.83	0.40	2.29	1.82	0.42	2.23	1.80	0.43	2.14	1.77	0.47

Heating 50Hz 220-240V

AFR	9.5
-----	-----

Temp: Celsius / TC, PI: kW

Indoor		Outdoor temp. (°CWB)											
EDB (°C)	TC	-15		-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	1.19	0.35	1.43	0.37	1.67	0.39	2.25	0.51	2.59	0.54	2.81	0.56	
20.0	1.12	0.36	1.36	0.38	1.60	0.40	2.16	0.52	2.50	0.55	2.73	0.57	
22.0	1.09	0.37	1.33	0.39	1.57	0.40	2.13	0.53	2.47	0.55	2.69	0.57	
24.0	1.06	0.37	1.30	0.39	1.54	0.41	2.09	0.53	2.43	0.56	2.66	0.58	
25.0	1.04	0.37	1.28	0.39	1.52	0.41	2.07	0.54	2.41	0.56	2.64	0.58	
27.0	1.01	0.38	1.25	0.40	1.49	0.41	2.04	0.54	2.38	0.57	2.61	0.59	

3D074718B

### SYMBOLS

AFR:	Air flow rate	(m <sup>3</sup> /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°C)
EDB:	Entering dry bulb temp.	(°C)
TC:	Total capacity	(kW)
SHC:	Sensible heat capacity	(kW)
PI:	Power input	(kW)

### NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat.
2.  shows nominal (rated) capacities and power input.
3. TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
4. About SHC which are not mentioned on the table, please calculate them with around values in direct proportion.
5. Capacities are based on the following conditions:  
Corresponding refrigerant piping length: 5m  
Level difference: 0m
6. Air flow rate (AFR) and Bypass factor (BF) are tabulated above table.

# 4 Capacity tables

## 4 - 1 Cooling/Heating Capacity Tables

FTXS25K + RXS25K

Cooling 50Hz 220-240V

AFR	9.1
BF	0.24

Temp: Celsius / TC, SHC, PI: kW

Indoor		Outdoor temp. (°CDB)																	
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
14.0	20.0	2.28	1.82	0.41	2.28	1.82	0.46	2.28	1.82	0.52	2.28	1.82	0.54	2.21	1.79	0.56	2.10	1.73	0.61
16.0	22.0	2.68	1.92	0.44	2.56	1.87	0.48	2.44	1.82	0.52	2.40	1.80	0.54	2.33	1.76	0.57	2.21	1.71	0.61
18.0	25.0	2.79	2.02	0.44	2.68	1.97	0.48	2.56	1.92	0.53	2.51	1.90	0.54	2.44	1.88	0.57	2.33	1.83	0.61
19.0	27.0	2.85	2.14	0.44	2.73	2.09	0.49	2.62	2.05	0.53	2.57	2.03	0.54	2.50	2.00	0.57	2.38	1.95	0.61
22.0	30.0	3.02	2.07	0.45	2.91	2.03	0.49	2.79	1.98	0.53	2.74	1.97	0.55	2.67	1.94	0.57	2.56	1.90	0.62
24.0	32.0	3.14	2.02	0.45	3.02	1.98	0.49	2.90	1.94	0.53	2.86	1.92	0.55	2.79	1.90	0.58	2.67	1.87	0.62

Heating 50Hz 220-240V

AFR	10.0
-----	------

Temp: Celsius / TC, PI: kW

Indoor		Outdoor temp. (°CWB)											
EDB		-15		-10		-5		0		6		10	
(°C)		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		1.33	0.40	1.60	0.42	1.87	0.44	2.52	0.58	2.90	0.61	3.15	0.63
20.0		1.25	0.41	1.52	0.43	1.79	0.45	2.42	0.59	2.80	0.62	3.05	0.64
22.0		1.22	0.41	1.49	0.44	1.76	0.46	2.38	0.59	2.76	0.63	3.01	0.65
24.0		1.19	0.42	1.45	0.44	1.72	0.46	2.34	0.60	2.72	0.63	2.98	0.65
25.0		1.17	0.42	1.44	0.44	1.71	0.46	2.32	0.60	2.70	0.63	2.96	0.65
27.0		1.14	0.43	1.41	0.45	1.67	0.47	2.29	0.61	2.66	0.64	2.92	0.66

3D074719B

### SYMBOLS

AFR:	Air flow rate	(m <sup>3</sup> /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°C)
EDB:	Entering dry bulb temp.	(°C)
TC:	Total capacity	(kW)
SHC:	Sensible heat capacity	(kW)
PI:	Power input	(kW)

### NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat.
- shows nominal (rated) capacities and power input.
- TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
- About SHC which are not mentioned on the table, please calculate them with around values in direct proportion.
- Capacities are based on the following conditions:  
Corresponding refrigerant piping length: 5m  
Level difference: 0m
- Air flow rate (AFR) and Bypass factor (BF) are tabulated above table.

# 4 Capacity tables

## 4 - 1 Cooling/Heating Capacity Tables

FTXS35K + RXS35K

Cooling 50Hz 220-240V

AFR	11.2
BF	0.12

Temp: Celsius / TC, SHC, PI: kW

Indoor		Outdoor temp. (°CDB)																	
EWB (°C)	EDB (°C)	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	3.24	2.59	0.62	3.24	2.59	0.70	3.24	2.59	0.77	3.19	2.57	0.79	3.10	2.52	0.83	2.93	2.44	0.89
16.0	22.0	3.75	2.71	0.65	3.58	2.64	0.71	3.42	2.56	0.77	3.36	2.53	0.80	3.26	2.49	0.83	3.10	2.42	0.90
18.0	25.0	3.91	2.85	0.65	3.75	2.78	0.71	3.58	2.72	0.78	3.52	2.69	0.80	3.42	2.65	0.84	3.26	2.58	0.90
19.0	27.0	3.99	3.02	0.65	3.83	2.96	0.72	3.66	2.89	0.78	3.60	2.86	0.80	3.50	2.82	0.84	3.34	2.76	0.90
22.0	30.0	4.23	2.92	0.66	4.07	2.86	0.72	3.90	2.80	0.78	3.84	2.78	0.81	3.74	2.75	0.85	3.58	2.69	0.91
24.0	32.0	4.39	2.85	0.66	4.23	2.79	0.73	4.07	2.74	0.79	4.00	2.72	0.81	3.90	2.69	0.85	3.74	2.64	0.91

Heating 50Hz 220-240V

AFR	12.1
-----	------

Temp: Celsius / TC, PI: kW

Indoor		Outdoor temp. (°CWB)											
EDB (°C)	TC	-15		-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	1.90	0.54	2.29	0.57	2.67	0.60	3.60	0.78	4.14	0.82	4.50	0.85	
20.0	1.79	0.56	2.17	0.58	2.56	0.61	3.46	0.80	4.00	0.84	4.36	0.87	
22.0	1.74	0.56	2.12	0.59	2.51	0.62	3.40	0.81	3.94	0.85	4.31	0.88	
24.0	1.69	0.57	2.08	0.60	2.46	0.62	3.35	0.81	3.89	0.86	4.25	0.88	
25.0	1.67	0.57	2.05	0.60	2.44	0.63	3.32	0.82	3.86	0.86	4.22	0.89	
27.0	1.62	0.58	2.01	0.60	2.39	0.63	3.26	0.82	3.81	0.87	4.17	0.89	

3D080613

### SYMBOLS

AFR:	Air flow rate	(m <sup>3</sup> /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°C)
EDB:	Entering dry bulb temp.	(°C)
TC:	Total capacity	(kW)
SHC:	Sensible heat capacity	(kW)
PI:	Power input	(kW)

### NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat.
2.  shows nominal (rated) capacities and power input.
3. TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
4. About SHC which are not mentioned on the table, please calculate them with around values in direct proportion.
5. Capacities are based on the following conditions:  
Corresponding refrigerant piping length: 5m  
Level difference: 0m
6. Air flow rate (AFR) and Bypass factor (BF) are tabulated above table.

# 4 Capacity tables

## 4 - 1 Cooling/Heating Capacity Tables

FTXS42K + RXS42K

Cooling 50Hz 220-240V

AFR	11.2
BF	0.15

Temp: Celsius / TC, SHC, PI: kW

Indoor			Outdoor temp. (°CDB)																
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
14.0	20.0	3.13	2.50	0.84	3.13	2.50	0.95	3.13	2.50	1.07	3.13	2.50	1.11	3.13	2.50	1.17	3.13	2.50	1.25
16.0	22.0	4.19	2.89	0.90	4.19	2.89	0.99	4.11	2.85	1.08	4.03	2.81	1.12	3.91	2.75	1.17	3.71	2.66	1.26
18.0	25.0	4.69	3.16	0.92	4.49	3.07	1.00	4.30	2.98	1.09	4.22	2.95	1.13	4.10	2.90	1.18	3.91	2.81	1.26
19.0	27.0	4.79	3.32	0.92	4.59	3.23	1.01	4.40	3.15	1.09	4.32	3.11	1.13	4.20	3.06	1.18	4.00	2.98	1.27
22.0	30.0	5.08	3.19	0.93	4.88	3.12	1.01	4.69	3.04	1.10	4.61	3.01	1.14	4.49	2.97	1.19	4.29	2.90	1.28
24.0	32.0	5.27	3.10	0.93	5.07	3.03	1.02	4.88	2.97	1.11	4.80	2.94	1.14	4.68	2.90	1.19	4.49	2.83	1.28

Heating 50Hz 220-240V

AFR	12.4
-----	------

Temp: Celsius / TC, PI: kW

Indoor		Outdoor temp. (°CWB)											
EDB		-15		-10		-5		0		6		10	
(°C)		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		2.57	0.84	3.09	0.89	3.61	0.93	4.85	1.22	5.59	1.28	6.07	1.32
20.0		2.41	0.87	2.93	0.91	3.45	0.95	4.67	1.25	5.40	1.31	5.89	1.35
22.0		2.35	0.88	2.87	0.92	3.39	0.96	4.59	1.26	5.33	1.32	5.81	1.36
24.0		2.29	0.89	2.80	0.93	3.32	0.97	4.52	1.27	5.25	1.33	5.74	1.38
25.0		2.25	0.89	2.77	0.93	3.29	0.98	4.48	1.27	5.21	1.34	5.65	1.38
27.0		2.19	0.90	2.71	0.94	3.23	0.99	4.41	1.29	5.14	1.35	5.23	1.35

3D080615

### SYMBOLS

AFR:	Air flow rate	(m <sup>3</sup> /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°C)
EDB:	Entering dry bulb temp.	(°C)
TC:	Total capacity	(kW)
SHC:	Sensible heat capacity	(kW)
PI:	Power input	(kW)

### NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat.
2.   shows nominal (rated) capacities and power input.
3. TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
4. About SHC which are not mentioned on the table, please calculate them with around values in direct proportion.
5. Capacities are based on the following conditions:  
Corresponding refrigerant piping length: 5m  
Level difference: 0m
6. Air flow rate (AFR) and Bypass factor (BF) are tabulated above table.

# 4 Capacity tables

## 4 - 1 Cooling/Heating Capacity Tables

FTXS50K + RXS50K

Cooling 50Hz 220-240V

AFR	11.9
BF	0.13

Temp: Celsius / TC, SHC, PI: kW

Indoor		Outdoor temp. (°CDB)																	
EWB (°C)	EDB (°C)	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	3.41	2.72	0.98	3.41	2.72	1.13	3.41	2.72	1.27	3.41	2.72	1.33	3.41	2.72	1.39	3.41	2.72	1.50
16.0	22.0	4.56	3.14	1.05	4.56	3.14	1.18	4.56	3.14	1.29	4.56	3.14	1.34	4.56	3.14	1.40	4.42	3.07	1.50
18.0	25.0	5.58	3.66	1.09	5.35	3.55	1.20	5.12	3.45	1.30	5.02	3.40	1.34	4.88	3.34	1.41	4.65	3.24	1.51
19.0	27.0	5.70	3.83	1.10	5.47	3.72	1.20	5.23	3.62	1.31	5.14	3.58	1.35	5.00	3.52	1.41	4.77	3.42	1.51
22.0	30.0	6.04	3.68	1.11	5.81	3.59	1.21	5.58	3.50	1.32	5.49	3.46	1.36	5.35	3.40	1.42	5.11	3.32	1.52
24.0	32.0	6.27	3.57	1.11	6.04	3.49	1.22	5.81	3.40	1.32	5.72	3.37	1.36	5.58	3.32	1.43	5.34	3.24	1.53

Heating 50Hz 220-240V

AFR	13.3
-----	------

Temp: Celsius / TC, PI: kW

Indoor EDB (°C)	Outdoor temp. (°CWB)											
	-15		-10		-5		0		6		10	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	2.76	0.93	3.32	0.98	3.88	1.03	5.21	1.35	6.00	1.42	6.52	1.47
20.0	2.59	0.96	3.15	1.01	3.71	1.05	5.01	1.38	5.80	1.45	6.32	1.50
22.0	2.52	0.97	3.08	1.02	3.64	1.07	4.93	1.39	5.72	1.46	6.24	1.51
24.0	2.46	0.98	3.01	1.03	3.57	1.08	4.85	1.40	5.64	1.48	6.16	1.52
25.0	2.42	0.99	2.98	1.03	3.54	1.08	4.81	1.41	5.60	1.48	6.12	1.53
27.0	2.35	1.00	2.91	1.04	3.47	1.09	4.73	1.42	5.52	1.50	6.04	1.54

3D080616

### SYMBOLS

AFR:	Air flow rate	(m <sup>3</sup> /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°C)
EDB:	Entering dry bulb temp.	(°C)
TC:	Total capacity	(kW)
SHC:	Sensible heat capacity	(kW)
PI:	Power input	(kW)

### NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat.
2.  shows nominal (rated) capacities and power input.
3. TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
4. About SHC which are not mentioned on the table, please calculate them with around values in direct proportion.
5. Capacities are based on the following conditions:  
Corresponding refrigerant piping length: 5m  
Level difference: 0m
6. Air flow rate (AFR) and Bypass factor (BF) are tabulated above table.

# 4 Capacity tables

## 4 - 1 Cooling/Heating Capacity Tables

FVXS25F + RXS25K

Cooling 50Hz 220-240V

AFR	8.2
BF	0.10

Indoor		Outdoor temp. (°CDB)																	
EWB (°C)	EDB (°C)	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	2.56	2.00	0.44	2.44	1.95	0.48	2.33	1.89	0.52	2.28	1.87	0.54	2.21	1.84	0.56	2.10	1.78	0.61
16.0	22	2.68	1.97	0.44	2.56	1.92	0.48	2.44	1.87	0.52	2.40	1.84	0.54	2.33	1.81	0.57	2.21	1.76	0.61
18.0	25	2.79	2.08	0.44	2.68	2.03	0.48	2.56	1.98	0.53	2.51	1.96	0.54	2.44	1.93	0.57	2.33	1.89	0.61
19.0	27	2.85	2.21	0.44	2.73	2.16	0.49	2.62	2.11	0.53	2.57	2.09	0.54	2.50	2.07	0.57	2.38	2.02	0.61
22.0	30	3.02	2.13	0.45	2.91	2.09	0.49	2.79	2.05	0.53	2.74	2.03	0.55	2.67	2.01	0.57	2.56	1.97	0.62
24.0	32	3.14	2.08	0.45	3.02	2.04	0.49	2.90	2.01	0.53	2.86	1.99	0.55	2.79	1.97	0.58	2.67	1.93	0.62

Heating 50Hz 220-240V

AFR	8.8
-----	-----

Indoor		Outdoor temp. (°CWB)									
EDB (°C)		-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		2.29	0.67	2.67	0.70	3.06	0.73	3.52	0.77	3.82	0.80
20.0		2.17	0.69	2.56	0.72	2.94	0.75	3.40	0.79	3.71	0.82
22.0		2.12	0.69	2.51	0.73	2.89	0.76	3.35	0.80	3.66	0.82
24.0		2.08	0.70	2.46	0.73	2.85	0.77	3.31	0.80	3.61	0.83
25.0		2.05	0.70	2.44	0.74	2.82	0.77	3.28	0.81	3.59	0.83
27.0		2.01	0.71	2.39	0.74	2.77	0.78	3.24	0.81	3.54	0.84

3D056491F

### SYMBOLS

AFR:	Air flow rate	(m <sup>3</sup> /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°C)
EDB:	Entering dry bulb temp.	(°C)
TC:	Total capacity	(kW)
SHC:	Sensible heat capacity	(kW)
PI:	Power input	(kW)

### NOTES

- Capacities are based on the following conditions:  
 (1) Corresponding refrigerant piping length: 5m  
 (2) Level difference: 0m
- |  |
|--|
|  |
|--|

 shows nominal (rated) capacities and power input.



# 4 Capacity tables

## 4 - 1 Cooling/Heating Capacity Tables

4

FVXS35F + RXS35K

Cooling 50Hz 220-240V

AFR	8.5
BF	0.11

Indoor		Outdoor temp. (°CDB)																	
EWB (°C)	EDB (°C)	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	3.59	2.54	0.78	3.42	2.46	0.86	3.26	2.37	0.93	3.19	2.34	0.96	3.10	2.29	1.01	2.93	2.21	1.08
16.0	22	3.75	2.50	0.79	3.58	2.42	0.86	3.42	2.34	0.94	3.36	2.31	0.97	3.26	2.26	1.01	3.10	2.18	1.09
18.0	25	3.91	2.60	0.79	3.75	2.52	0.87	3.58	2.45	0.94	3.52	2.42	0.97	3.42	2.37	1.02	3.26	2.30	1.09
19.0	27	3.99	2.72	0.79	3.83	2.65	0.87	3.66	2.57	0.94	3.60	2.55	0.97	3.50	2.50	1.02	3.34	2.43	1.10
22.0	30	4.23	2.61	0.80	4.07	2.55	0.88	3.90	2.49	0.95	3.84	2.46	0.98	3.74	2.43	1.03	3.58	2.36	1.10
24.0	32	4.39	2.54	0.81	4.23	2.48	0.88	4.07	2.42	0.96	4.00	2.40	0.99	3.90	2.37	1.03	3.74	2.31	1.11

Heating 50Hz 220-240V

AFR	9.4
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Indoor		Outdoor temp. (°CWB)									
EDB (°C)		-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		3.03	1.03	3.54	1.08	4.05	1.13	4.66	1.19	5.06	1.23
20.0		2.87	1.06	3.38	1.11	3.89	1.16	4.50	1.22	4.91	1.26
22.0		2.81	1.07	3.32	1.12	3.83	1.17	4.44	1.23	4.84	1.27
24.0		2.75	1.08	3.26	1.13	3.77	1.18	4.38	1.24	4.78	1.28
25.0		2.72	1.09	3.23	1.14	3.73	1.19	4.34	1.25	4.75	1.29
27.0		2.66	1.10	3.16	1.15	3.67	1.20	4.28	1.26	4.69	1.30

3D056492E

### SYMBOLS

AFR:	Air flow rate	(m <sup>3</sup> /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°C)
EDB:	Entering dry bulb temp.	(°C)
TC:	Total capacity	(kW)
SHC:	Sensible heat capacity	(kW)
PI:	Power input	(kW)

### NOTES

- Capacities are based on the following conditions:
  - Corresponding refrigerant piping length: 5m
  - Level difference: 0m
- |  |
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 shows nominal (rated) capacities and power input.