2 Specifications

2-1 Technical Specifications					FXSQ15A	FXSQ20A	FXSQ25A	FXSQ32A	FXSQ40A	FXSQ50A
Cooling capacity	Nom.			kW	1.7	2.2	2.8	3.6	4.5	5.6
Heating capacity	Nom.			kW	1.9	2.5	3.2	4.0	5.0	6.3
Power input - 50Hz	Cooling	Nom.		kW	0.041			0.045	0.092	0.095
	Heating	Nom.		kW	0.038			0.042	0.089	0.092
Dimensions	Unit	Height		mm	245					
		Width		mm	550				700	
		Depth		mm	800					
	Packed unit	Height		mm	890					
		Width		mm	750				900	
		Depth		mm	295					
Weight	Unit			kg	23.5			24	28.5	29
	Packed unit			kg	25			25.5	30	30.5
Casing	Colour				Not painted (galvanised)					
	Material				Galvanised steel plate					
Heat exchanger	Fin	Type			Cross fin coil (Multi slit fins with hydrophilic treatment and Ø5Hi-XA tubes)					
Fan	Type				Sirocco fan					
	Quantity				1					
	Air flow rate - 50Hz	Cooling	High	m³/min	8.7	9		9.5	15	15.2
			Nom.	m³/min	7.5			8	12.5	
			Low	m³/min	6.5			7.0	11	
		Heating	High	m³/min	8.7	9		9.5	15	15.2
			Nom.	m³/min	7.5			8	12.5	
			Low	m³/min	6.5			7	11	
	External static pressure - 50Hz	High		Pa	150					
		Nom.		Pa	30					
Fan motor	Quantity				1					
	Model				Brushless DC motor					
	Speed	Steps			3					
	Output	High		W	78				130	
Air filter	Type				Resin net with mold resistance					
Sound power level	Cooling	Nom.		dBA	54			55	60	
Sound pressure level	Cooling	High		dBA	29.5	30		31	35	
		Nom.		dBA	28			29	32	
		Low		dBA	25			26	29	
	Heating	High		dBA	31.5	32		33	37	
		Nom.		dBA	29			30	34	
		Low		dBA	26			27	29	
Refrigerant	Type				R-410A					
Piping connections	Liquid	Type			Flare connection					
		OD		mm	6.35					
	Gas	Type			Flare connection					
		OD		mm	12.7					
	Drain				VP20 (I.D. 20/O.D. 26)					
	Heat insulation				Foamed polystyrene/polyethylene					
	Sound absorbing insulation				Butyl Rubber					
Drain-up height				mm	625					
Control systems	Infrared remote control				BRC4C65					
	Simplified wired remote control for hotel applications				BRC2E52C (heat recovery type) / BRC3E52C (heat pump type)					
	Wired remote control				BRC1D52 / BRC1E52A/B					

Standard Accessories : Installation and operation manual; Quantity : 1;

Standard Accessories : Drain hose; Quantity : 1;

Standard Accessories : Metal clamp for drain hose; Quantity : 1;

Standard Accessories : Washer for hanger bracket; Quantity : 8;

Standard Accessories : Screws; Quantity : 40;

2 Specifications

Standard Accessories : Insulation for fitting; Quantity : 2;
Standard Accessories : Sealing pad; Quantity : 5;
Standard Accessories : Clamps; Quantity : 4;

2-2 Technical Specifications					FXSQ63A	FXSQ80A	FXSQ100A	FXSQ125A	FXSQ140A
Cooling capacity	Nom.			kW	7.1	9.0	11.2	14.0	16.0
Heating capacity	Nom.			kW	8.0	10.0	12.5	16.0	18.0
Power input - 50Hz	Cooling	Nom.		kW	0.095	0.121	0.157	0.214	0.243
	Heating	Nom.		kW	0.092	0.118	0.154	0.211	0.240
Dimensions	Unit	Height		mm	245				
		Width		mm	1,000		1,400		1,550
		Depth		mm	800				
	Packed unit	Height		mm	890				
		Width		mm	1,200		1,600		1,750
		Depth		mm	295				
Weight	Unit			kg	35.5	36.5	46	47	51
	Packed unit			kg	37.5	38.5	48	49	53
Casing	Colour				Not painted (galvanised)				
	Material				Galvanised steel plate				
Heat exchanger	Fin	Type			Cross fin coil (Multi slit fins with hydrophilic treatment and Ø5Hi-XA tubes)				
Fan	Type				Sirocco fan				
	Quantity				2		3		
	Air flow rate - 50Hz	Cooling	High	m³/min	21.0	23	32	36	39
			Nom.	m³/min	18	19.5	27	31.5	34
			Low	m³/min	15	16	23	26	28
		Heating	High	m³/min	21	23	32	36	39
			Nom.	m³/min	18	19.5	27	31.5	34
			Low	m³/min	15	16.0	23	26	28
	External static pressure - 50Hz	High		Pa	150				
		Nom.		Pa	30	40		50	
Fan motor	Quantity				1				
	Model				Brushless DC motor				
	Speed	Steps			3				
	Output	High		W	230		300		350
Air filter	Type				Resin net with mold resistance				
Sound power level	Cooling	Nom.		dBA	59	61		64	
Sound pressure level	Cooling	High		dBA	33	35	36	39	41.5
		Nom.		dBA	30	32	34	36	38
		Low		dBA	27	29	31	33	34
	Heating	High		dBA	35	37		40	42
		Nom.		dBA	32	34		37	38.5
		Low		dBA	28	30	31	33	34
Refrigerant	Type				R-410A				
Piping connections	Liquid	Type			Flare connection				
		OD		mm	9.52				
	Gas	Type			Flare connection				
		OD		mm	15.9				
	Drain				VP20 (I.D. 20/O.D. 26)				
	Heat insulation				Foamed polystyrene/polyethylene				
	Sound absorbing insulation				Butyl Rubber				
Drain-up height				mm	625				
Control systems	Infrared remote control				BRC4C65				
	Simplified wired remote control for hotel applications				BRC2E52C (heat recovery type) / BRC3E52C (heat pump type)				
	Wired remote control				BRC1D52 / BRC1E52A/B				

Standard Accessories : Installation and operation manual; Quantity : 1;
Standard Accessories : Drain hose; Quantity : 1;
Standard Accessories : Metal clamp for drain hose; Quantity : 1;
Standard Accessories : Washer for hanger bracket; Quantity : 8;

2 Specifications

Standard Accessories : Screws; Quantity : 40;
Standard Accessories : Insulation for fitting; Quantity : 2;
Standard Accessories : Sealing pad; Quantity : 5;
Standard Accessories : Clamps; Quantity : 4;

2-3 Electrical Specifications				FXSQ15A	FXSQ20A	FXSQ25A	FXSQ32A	FXSQ40A	FXSQ50A
Power supply	Name			VE					
	Phase			1~					
	Frequency		Hz	50/60					
	Voltage		V	220-240/220					
Voltage range	Min.		%	-10					
	Max.		%	10					
Current - 50Hz	Minimum circuit amps (MCA)		A	0.4				0.8	
	Maximum fuse amps (MFA)		A	16					
	Full load amps (FLA)	Total	A	0.3				0.6	

2-4 Electrical Specifications				FXSQ63A	FXSQ80A	FXSQ100A	FXSQ125A	FXSQ140A
Power supply	Name			VE				
	Phase			1~				
	Frequency		Hz	50/60				
	Voltage		V	220-240/220				
Voltage range	Min.		%	-10				
	Max.		%	10				
Current - 50Hz	Minimum circuit amps (MCA)		A	0.9	1.0	1.5	2.0	1.9
	Maximum fuse amps (MFA)		A	16				
	Full load amps (FLA)	Total	A	0.7	0.8	1.2	1.6	1.5

Notes

The sound power level is an absolute value indicating the power which a sound source generates.

Voltage range: units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.

Select wire size based on the value of MCA

Maximum allowable voltage range variation between phases is 2%.

Use a circuit breaker instead of a fuse.

MCA/MFA; MCA= 1,25 x FLA; MFA=\< 4 x FLA; The next lower standard fuse rating is minimum 16 ampere.

3 Electrical data

3 - 1 Electrical Data

FXSQ-A

	Power supply					IFM	Power input [W]	
Model	A	B	C	MCA	MFA	FLA	Cooling	Heating
FXSQ15A2VEB	50/60 50 50	220 230 240	MAX. 60Hz 242V MAX. 50Hz 264V MIN. 60Hz 198V MIN. 50Hz 198V	0,4	16	0,3	41	38
FXSQ20A2VEB	50/60 50 50	220 230 240	MAX. 60Hz 242V MAX. 50Hz 264V MIN. 60Hz 198V MIN. 50Hz 198V	0,4	16	0,3	41	38
FXSQ25A2VEB	50/60 50 50	220 230 240	MAX. 60Hz 242V MAX. 50Hz 264V MIN. 60Hz 198V MIN. 50Hz 198V	0,4	16	0,3	41	38
FXSQ32A2VEB	50/60 50 50	220 230 240	MAX. 60Hz 242V MAX. 50Hz 264V MIN. 60Hz 198V MIN. 50Hz 198V	0,4	16	0,3	45	42
FXSQ40A2VEB	50/60 50 50	220 230 240	MAX. 60Hz 242V MAX. 50Hz 264V MIN. 60Hz 198V MIN. 50Hz 198V	0,8	16	0,6	92	89,0
FXSQ50A2VEB	50/60 50 50	220 230 240	MAX. 60Hz 242V MAX. 50Hz 264V MIN. 60Hz 198V MIN. 50Hz 198V	0,8	16	0,6	95	92
FXSQ63A2VEB	50/60 50 50	220 230 240	MAX. 60Hz 242V MAX. 50Hz 264V MIN. 60Hz 198V MIN. 50Hz 198V	0,9	16	0,7	95	92
FXSQ80A2VEB	50/60 50 50	220 230 240	MAX. 60Hz 242V MAX. 50Hz 264V MIN. 60Hz 198V MIN. 50Hz 198V	1,0	16	0,8	121	118
FXSQ100A2VEB	50/60 50 50	220 230 240	MAX. 60Hz 242V MAX. 50Hz 264V MIN. 60Hz 198V MIN. 50Hz 198V	1,5	16	1,2	157	154,0
FXSQ125A2VEB	50/60 50 50	220 230 240	MAX. 60Hz 242V MAX. 50Hz 264V MIN. 60Hz 198V MIN. 50Hz 198V	2,0	16	1,6	214	211
FXSQ140A2VEB	50/60 50 50	220 230 240	MAX. 60Hz 242V MAX. 50Hz 264V MIN. 60Hz 198V MIN. 50Hz 198V	1,9	16	1,5	243	240

Notes
1 Voltage range
The units are suitable for use with electrical systems in which the voltage supplied to the unit terminals is not below or above the listed range limits.
2 Select the wire size according to the MCA.
3 The maximum allowable voltage that is unbalanced between phases is 2%.
4 Use a circuit breaker instead of a fuse.
MCA/MFA
MCA=1.25 x FLA; MFA =< 4 x FLA
5 The next lower standard fuse rating is minimum 16 ampere.

Symbols
A Hz
B Voltage
C Voltage range
MCA Minimum Circuit Ampere (A)
MFA Maximum Fuse Ampere (A)
IFM Indoor fan motor
FLA Full Load Ampere (A)

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