

technical data

Concealed Ceiling Unit
FXSQ-MVE9

air conditioning systems

R-410A

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FXSQ-MVE9

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1 Specifications

1-1 Technical Specifications				FXSQ20MVE9	FXSQ25MVE9	FXSQ32MVE9	FXSQ40MVE9	FXSQ50MVE9	FXSQ63MVE9
Capacity	Cooling		kW	2.2	2.8	3.6	4.5	5.6	7.1
	Heating		kW	2.5	3.2	4.0	5.0	6.3	8.0
Power Input (50Hz)	Cooling		kW	0.110	0.110	0.114	0.127	0.143	0.189
	Heating		kW	0.090	0.090	0.094	0.107	0.123	0.169
Power Input (60Hz)	Cooling		kW	0.128	0.128	0.136	0.155	0.200	0.254
	Heating		kW	0.108	0.108	0.116	0.135	0.180	0.234
Casing	Material			Galvanised steel plate					
Dimensions	Unit	Height	mm	300	300	300	300	300	300
		Width	mm	550	550	550	700	700	1,000
		Depth	mm	800	800	800	800	800	800
Weight	Unit		kg	30	30	30	30	31	41
Heat Exchanger	Dimensions	Nr of Rows		3	3	3	3	3	3
		Fin Pitch	mm	1.75	1.75	1.75	1.75	1.75	1.75
		Face Area	m²	0.088	0.088	0.088	0.132	0.132	0.221
		Nr of Stages		14	14	14	14	14	14
	Fin	Fin type		Cross fin coil					
Fan	Type			Sirocco fan					
Cooling	High	m³/min		9	9	9.5	11.5	15	21
	Low	m³/min		6.5	6.5	7	9	11	15.5
	High	m³/min		9	9	9.5	11.5	15	21
	Low	m³/min		6.5	6.5	6.5	9	11	14
Fan	External static pressure (Max) (50Hz)	High	Pa	88	88	64	88	88	88
		Standard	Pa	39	39	39	49	59	49
		Low	Pa	20	20	15	20	29	20
	External static pressure (Max) (60Hz)	High	Pa	73	73	86	88	88	122
		Standard	Pa	24	24	42	29	41	66
		Low	Pa	10	10	10	10	10	10
	Motor	Model		D18H3A	D18H3A	D18H3A	D18H2A	D18H2A	2D18H2A
		Output (high)	W	50	50	50	65	85	125
		Drive		Direct drive					
Refrigerant	Name			R-410A					
Piping connections	Liquid (OD)	Type		Flare connection					
		Diameter	mm	6.35	6.35	6.35	6.35	6.35	9.52
	Gas	Type		Flare connection					
		Diameter	mm	12.7	12.7	12.7	12.7	12.7	15.9
	Drain	Diameter		mm	VP25 (I.D. 25/O.D. 32)				
Sound absorbing insulation				Glass fiber					
Decoration Panel	Model			BYBS32DJW1	BYBS32DJW1	BYBS32DJW1	BYBS45DJW1	BYBS45DJW1	BYBS75DJW1
	Colour			White (10Y9/0,5)					
	Dimensions	Height	mm	55	55	55	55	55	55
		Width	mm	650	650	650	800	800	1,100
		Depth	mm	500	500	500	500	500	500
	Weight		kg	3	3	3	3.5	3.5	4.5
Air Filter				Resin net with mold resistance					
Refrigerant control				Electronic expansion valve					
Temperature control				Microprocessor thermostat for cooling and heating					
Safety devices				Fuse					
				Fan motor thermal protector					
Standard Accessories				Operation manual					
				Installation manual					
				Paper pattern for installation					
				Drain hose					
				Clamp metal					
				Insulation for fitting					
				Sealing pads					
				Clamps					
				Screws					
				Washer					

1 Specifications

1-1 Technical Specifications	FXSQ20MVE9	FXSQ25MVE9	FXSQ32MVE9	FXSQ40MVE9	FXSQ50MVE9	FXSQ63MVE9
Notes	Nominal cooling capacities are based on : indoor temperature : 27°CDB, 19°CWB, outdoor temperature : 35°CDB, equivalent refrigerant piping : 7.5m (horizontal)					
	Nominal heating capacities are based on : indoor temperature : 20°CDB, outdoor temperature : 7°CDB, 6°CWB, equivalent refrigerant piping : 7.5m (horizontal)					
	Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.					

1-1 Technical Specifications				FXSQ80MVE9		FXSQ100MVE9		FXSQ125MVE9		
Capacity	Cooling		kW	9.0		11.2		14.0		
	Heating		kW	10.0		12.5		16.0		
Power Input (50Hz)	Cooling		kW	0.234		0.242		0.321		
	Heating		kW	0.214		0.222		0.301		
Power Input (60Hz)	Cooling		kW	0.315		0.326		0.435		
	Heating		kW	0.295		0.306		0.415		
Casing	Material			Galvanised steel plate						
Dimensions	Unit	Height	mm	300		300		300		
		Width	mm	1,400						
		Depth	mm	800		800		800		
Weight	Unit		kg	51		51		52		
Heat Exchanger	Dimensions	Nr of Rows		3		3		3		
		Fin Pitch	mm	1.75		1.75		1.75		
		Face Area	m²	0.338		0.338		0.338		
		Nr of Stages		14		14		14		
	Fin	Fin type		Cross fin coil						
Fan	Type			Sirocco fan						
Cooling	High	m³/min		27		28		38		
	Low	m³/min		21.5		22		28		
	High	m³/min		27		28		38		
	Low	m³/min		20.5		21		27		
Fan	External static pressure (Max) (50Hz)	High	Pa	113		107		78		
		Standard	Pa	82		75		39		
	External static pressure (Max) (60Hz)	High	Pa	147		136		78		
		Standard	Pa	92		83		20		
	Motor	Model		3D18H2A						
		Output (high)	W	225		225		225		
		Drive		Direct drive						
Refrigerant	Name			R-410A						
Piping connections	Liquid (OD)	Type		Flare connection						
		Diameter	mm	9.52		9.52		9.52		
	Gas	Type		Flare connection						
		Diameter	mm	15.9		15.9		15.9		
	Drain	Diameter		mm		VP25 (I.D. 25/O.D. 32)				
Sound absorbing insulation			Glass fiber							
Decoration Panel	Model			BYBS125DJW1						
	Colour			White (10Y9/0,5)						
	Dimensions	Height	mm	55		55		55		
		Width	mm	1,500						
		Depth	mm	500		500		500		
	Weight		kg	6.5		6.5		6.5		
Air Filter				Resin net with mold resistance						
Refrigerant control				Electronic expansion valve						
Temperature control				Microprocessor thermostat for cooling and heating						
Safety devices				Fuse						
				Fan motor thermal protector						

1 Specifications

1-1 Technical Specifications		FXSQ80MVE9	FXSQ100MVE9	FXSQ125MVE9
Standard Accessories	Operation manual			
	Installation manual			
	Paper pattern for installation			
	Drain hose			
	Clamp metal			
	Insulation for fitting			
	Sealing pads			
	Clamps			
	Screws			
	Washer			
Notes		Nominal cooling capacities are based on : indoor temperature : 27°CDB, 19°CWB, outdoor temperature : 35°CDB, equivalent refrigerant piping : 7.5m (horizontal)		
		Nominal heating capacities are based on : indoor temperature : 20°CDB, outdoor temperature : 7°CDB, 6°CWB, equivalent refrigerant piping : 7.5m (horizontal)		
		Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.		

1-2 Electrical Specifications (50Hz)			FXSQ20MVE9	FXSQ25MVE9	FXSQ32MVE9	FXSQ40MVE9	FXSQ50MVE9	FXSQ63MVE9
Power Supply	Name		VE					
	Phase		1~					
	Frequency	Hz	50					
	Voltage	V	220-240					
Current	Minimum circuit amps (MCA)	A	0.5	0.5	0.5	0.6	0.9	1.1
	Maximum fuse amps (MFA)	A	15	15	15	15	15	15
	Full load amps (FLA)	A	0.4	0.4	0.4	0.5	0.7	0.9
Voltage range	Minimum	V	-10%					
	Maximum	V	+10%					
Notes			Voltage range : units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed range limits.					
			Maximum allowable voltage range variation between phases is 2%.					
			MCA/MFA : MCA = 1.25 x FLA					
			MFA is smaller than or equal to 4 x FLA					
			Next lower standard fuse rating minimum 15A					
			Select wire size based on the MCA					
			Instead of a fuse, use a circuit breaker					

1-2 Electrical Specifications (50Hz)			FXSQ80MVE9	FXSQ100MVE9	FXSQ125MVE9
Power Supply	Name		VE		
	Phase		1~		
	Frequency	Hz	50		
	Voltage	V	220-240		
Current	Minimum circuit amps (MCA)	A	1.4	1.5	2.0
	Maximum fuse amps (MFA)	A	15	15	15
	Full load amps (FLA)	A	1.1	1.2	1.6
Voltage range	Minimum	V	-10%		
	Maximum	V	+10%		
Notes			Voltage range : units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed range limits.		
			Maximum allowable voltage range variation between phases is 2%.		
			MCA/MFA : MCA = 1.25 x FLA		
			MFA is smaller than or equal to 4 x FLA		
			Next lower standard fuse rating minimum 15A		
			Select wire size based on the MCA		
			Instead of a fuse, use a circuit breaker		

1 Specifications

1-3 Electrical Specifications (60Hz)			FXSQ20MVE9	FXSQ25MVE9	FXSQ32MVE9	FXSQ40MVE9	FXSQ50MVE9	FXSQ63MVE9
Power Supply	Name		VE					
	Phase		1~					
	Frequency	Hz	60					
	Voltage	V	220					
Current	Minimum circuit amps (MCA)	A	0.6	0.6	0.8	0.9	1.0	1.4
	Maximum fuse amps (MFA)	A	15	15	15	15	15	15
	Full load amps (FLA)	A	0.5	0.5	0.6	0.7	0.8	1.1
Voltage range	Minimum	V	-10%					
	Maximum	V	+10%					
Notes			Voltage range : units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed range limits.					
			Maximum allowable voltage range variation between phases is 2%.					
			MCA/MFA : MCA = 1.25 x FLA					
			MFA is smaller than or equal to 4 x FLA					
			Next lower standard fuse rating minimum 15A					
			Select wire size based on the MCA					
			Instead of a fuse, use a circuit breaker					

1-3 Electrical Specifications (60Hz)			FXSQ80MVE9	FXSQ100MVE9	FXSQ125MVE9
Power Supply	Name		VE		
	Phase		1~		
	Frequency	Hz	60		
	Voltage	V	220		
Current	Minimum circuit amps (MCA)	A	1.8	1.9	2.5
	Maximum fuse amps (MFA)	A	15	15	15
	Full load amps (FLA)	A	1.4	1.5	2.0
Voltage range	Minimum	V	-10%		
	Maximum	V	+10%		
Notes			Voltage range : units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed range limits.		
			Maximum allowable voltage range variation between phases is 2%.		
			MCA/MFA : MCA = 1.25 x FLA		
			MFA is smaller than or equal to 4 x FLA		
			Next lower standard fuse rating minimum 15A		
			Select wire size based on the MCA		
			Instead of a fuse, use a circuit breaker		

2 Safety device settings

FXSQ-MVE

	Safety devices		FXSQ20MVE	FXSQ25MVE	FXSQ32MVE	FXSQ40MVE	FXSQ50MVE	FXSQ63MVE	FXSQ80MVE	FXSQ100MVE	FXSQ25MVE
FXSQ-MVE	PC board fuse		250V 10A	250V 10A	250V 10A	250V 10A	250V 10A	250V 10A	250V 10A	—	250V 10A
	Fan motor thermal fuse	°C	152 ^{±2}	152 ^{±2}	152 ^{±2}	152 ^{±2}	152 ^{±2}	152 ^{±2}	—	—	—
	Fan motor thermal protector	°C	Off: 130 ^{±5} (On: 90 ^{±15})	Off: 130 ^{±5} (On: 90 ^{±15})	Off: 130 ^{±5} (On: 90 ^{±15})	—	—	—	Off: 135 ^{±8} (On: 87 ^{±15})	Off: 135 ^{±8} (On: 87 ^{±15})	Off: 135 ^{±8} (On: 87 ^{±15})
	Drain pump thermal fuse	°C	169	169	169	169	169	169	169	169	169

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3 Options

FXSQ-MVE

No	Item	Type	FXS-L FXSQ-MVE
1	Remote control	Wireless	H/P BRC4C62
		C/O	BRC4C64
		Wired	BRC1A62
2	Simplified remote control		BRC2A51
3	Remote control for hotel use		BRC3A61
4	Adaptor for wiring		KRP1B61
5-1	Wiring adaptor for electrical appendices (1)		KRP2A61
5-1	Wiring adaptor for electrical appendices (2)		KRP4A51
6	Remote sensor		KRCS01-1
7	Installation box for adaptor PCB.		note 5 KRP4A91
8	Central remote control		DCS302C61
8-1	Electrical box with earth terminal (3 blocks)		KJB311A
9	Unified on/off control		DCS301B61
9-1	Electrical box with earth terminal (2 blocks)		KJB212A
9-2	Noise filter (for electromagnetic interface use only)		KEK26-1
10	Schedule timer		DST301B61
11	External control adaptor for outdoor unit (Must be installed on indoor units)		DTA104A61

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4 Capacity tables

4 - 1 Cooling capacity tables

FXSQ-M		TC: Total Capacity: kW - SHC: Sensible capacity: kW															
Unit size	Nominal capacity	Outdoor air temp.	Indoor air temperature														
			14.0°CWB		16.0°CWB		18.0°CWB		19.0°CWB		20.0°CWB		22.0°CWB		24.0°CWB		
			20.0°CDB		23.0°CDB		26.0°CDB		27.0°CDB		28.0°CDB		30.0°CDB		32.0°CDB		
		°CDB	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	
20	2.2	10.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.9	2.6	1.9	2.8	1.8	
		12.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.9	2.6	1.9	2.7	1.8	
		14.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.9	2.6	1.9	2.7	1.8	
		16.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.9	2.6	1.9	2.7	1.8	
		18.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.9	2.6	1.9	2.6	1.7	
		20.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.9	2.5	1.8	2.6	1.7	
		21.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.9	2.5	1.8	2.6	1.7	
		23.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.9	2.5	1.8	2.5	1.7	
		25.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.9	2.5	1.8	2.5	1.7	
		27.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.9	2.4	1.7	2.5	1.7	
		29.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.8	2.4	1.7	2.4	1.6	
		31.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.8	2.4	1.7	2.4	1.6	
		33.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.8	2.3	1.7	2.4	1.6	
		35.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.2	1.8	2.3	1.7	2.3	1.6	
		37.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.7	2.2	1.8	2.2	1.7	2.3	1.6	
		39.0	1.5	1.4	1.8	1.6	2.1	1.7	2.1	1.7	2.2	1.7	2.2	1.7	2.3	1.6	
		42.0	1.5	1.4	1.8	1.6	2.0	1.7	2.1	1.7	2.1	1.7	2.2	1.6	2.2	1.5	
		44.0	1.5	1.4	1.8	1.6	2.0	1.7	2.0	1.6	2.1	1.7	2.1	1.6	2.2	1.5	
		46.0	1.5	1.4	1.8	1.6	1.9	1.6	1.9	1.5	1.9	1.5	1.9	1.4	1.9	1.3	
25	2.8	10.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	3.0	2.2	3.3	2.3	3.5	2.2	
		12.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	3.0	2.2	3.3	2.3	3.5	2.2	
		14.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	3.0	2.2	3.3	2.3	3.4	2.1	
		16.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	3.0	2.2	3.3	2.3	3.4	2.1	
		18.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	3.0	2.2	3.3	2.2	3.4	2.1	
		20.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	3.0	2.2	3.2	2.2	3.3	2.1	
		21.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	3.0	2.2	3.2	2.2	3.3	2.0	
		23.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	3.0	2.2	3.2	2.2	3.2	2.0	
		25.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	3.0	2.2	3.1	2.1	3.2	2.0	
		27.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	3.0	2.2	3.1	2.1	3.2	2.0	
		29.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	3.0	2.2	3.0	2.1	3.1	2.0	
		31.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	2.9	2.2	3.0	2.1	3.1	2.0	
		33.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	2.9	2.1	2.9	2.0	3.0	1.9	
		35.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	2.8	2.1	2.9	2.0	3.0	1.9	
		37.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	2.8	2.1	2.9	2.0	2.9	1.9	
		39.0	1.9	1.7	2.3	1.9	2.6	2.0	2.7	2.1	2.7	2.1	2.8	2.0	2.9	1.9	
		42.0	1.9	1.7	2.3	1.9	2.6	2.0	2.6	2.0	2.7	2.0	2.7	2.0	2.8	1.9	
		44.0	1.9	1.7	2.3	1.9	2.6	2.0	2.6	2.0	2.6	2.0	2.7	1.9	2.8	1.8	
		46.0	1.9	1.7	2.3	1.9	2.4	1.9	2.4	1.8	2.4	1.8	2.4	1.7	2.4	1.6	
32	3.6	10.0	2.4	2.0	2.9	2.3	3.4	2.4	3.6	2.5	3.8	2.7	4.3	2.8	4.6	2.7	
		12.0	2.4	2.0	2.9	2.3	3.4	2.4	3.6	2.5	3.8	2.7	4.3	2.8	4.5	2.6	
		14.0	2.4	2.0	2.9	2.3	3.4	2.4	3.6	2.5	3.8	2.7	4.3	2.8	4.4	2.6	
		16.0	2.4	2.0	2.9	2.3	3.4	2.4	3.6	2.5	3.8	2.7	4.3	2.7	4.4	2.6	
		18.0	2.4	2.0	2.9	2.3	3.4	2.4	3.6	2.5	3.8	2.7	4.2	2.7	4.3	2.5	
		20.0	2.4	2.0	2.9	2.3	3.4	2.4	3.6	2.5	3.8	2.7	4.2	2.7	4.3	2.5	
		21.0	2.4	2.0	2.9	2.3	3.4	2.4	3.6	2.5	3.8	2.7	4.1	2.7	4.2	2.5	
		23.0	2.4	2.0	2.9	2.3	3.4	2.4	3.6	2.5	3.8	2.7	4.1	2.6	4.2	2.5	
		25.0	2.4	2.0	2.9	2.3	3.4	2.4	3.6	2.5	3.8	2.7	4.0	2.6	4.1	2.4	
		27.0	2.4	2.0	2.9	2.3	3.4	2.4	3.6	2.5	3.8	2.7	4.0	2.5	4.1	2.4	
		29.0	2.4	2.0	2.9	2.3	3.4	2.4	3.6	2.5	3.8	2.7	3.9	2.5	4.0	2.4	
		31.0	2.4	2.0	2.9	2.3	3.4	2.4	3.6	2.5	3.8	2.6	3.8	2.5	3.9	2.4	
		33.0	2.4	2.0	2.9	2.3	3.4	2.4	3.6	2.5	3.7	2.6	3.8	2.5	3.9	2.4	
		35.0	2.4	2.0	2.9	2.3	3.4	2.4	3.6	2.5	3.6	2.6	3.7	2.5	3.8	2.3	
		37.0	2.4	2.0	2.9	2.3	3.4	2.4	3.5	2.5	3.6	2.6	3.7	2.4	3.8	2.3	
		39.0	2.4	2.0	2.9	2.3	3.4	2.4	3.5	2.5	3.5	2.5	3.6	2.4	3.7	2.3	
		42.0	2.4	2.0	2.9	2.4	3.4	2.5	3.4	2.4	3.4	2.5	3.5	2.4	3.6	2.2	
		44.0	2.4	2.0	2.9	2.4	3.3	2.4	3.3	2.4	3.4	2.4	3.5	2.3	3.6	2.2	
		46.0	2.4	2.0	2.9	2.4	3.1	2.3	3.1	2.2	3.1	2.2	3.1	2.1	3.1	1.9	
40	4.5	10.0	3.0	2.6	3.6	3.0	4.2	3.2	4.5	3.3	4.8	3.6	5.4	3.3	5.7	3.5	
		12.0	3.0	2.6	3.6	3.0	4.2	3.2	4.5	3.3	4.8	3.6	5.4	3.3	5.6	3.4	
		14.0	3.0	2.6	3.6	3.0	4.2	3.2	4.5	3.3	4.8	3.6	5.4	3.3	5.5	3.4	
		16.0	3.0	2.6	3.6	3.0	4.2	3.2	4.5	3.3	4.8	3.6	5.4	3.3	5.5	3.4	
		18.0	3.0	2.6	3.6	3.0	4.2	3.2	4.5	3.3	4.8	3.6	5.3	3.2	5.4	3.3	
		20.0	3.0	2.6	3.6	3.0	4.2	3.2	4.5	3.3	4.8	3.6	5.2	3.2	5.3	3.3	
		21.0	3.0	2.6	3.6	3.0	4.2	3.2	4.5	3.3	4.8	3.6	5.2	3.2	5.3	3.3	
		23.0	3.0	2.6	3.6	3.0	4.2	3.2	4.5	3.3	4.8	3.6	5.1	3.1	5.2	3.2	
		25.0	3.0	2.6	3.6	3.0	4.2	3.2	4.5	3.3	4.8	3.6	5.0	3.1	5.1	3.2	
		27.0	3.0	2.6	3.6	3.0	4.2	3.2	4.5	3.3	4.8	3.6	5.0	3.1	5.1	3.2	
		29.0	3.0	2.6	3.6	3.0	4.2	3.2	4.5	3.3	4.8	3.6	4.9	3.0	5.0	3.1	
		31.0	3.0	2.6	3.6	3.0	4.2	3.2	4.5	3.3	4.7	3.5	4.8	3.0	4.9	3.1	
		33.0	3.0	2.6	3.6	3.0	4.2	3.2	4.5	3.3	4.6	3.5	4.7	3.0	4.8	3.1	
		35.0	3.0	2.6	3.6	3.0	4.2	3.2	4.5	3.3	4.6	3.4	4.7	2.9	4.8	3.0	
		37.0	3.0	2.6	3.6	3.0	4.2	3.2	4.4	3.3	4.5	3.4	4.6	2.9	4.7	3.0	
		39.0	3.0	2.6	3.6	3.0	4.2	3.2	4.4	3.2	4.4	3.3	4.5	2.9	4.6	3.0	
		42.0	3.0	2.5	3.6	2.9	4.2	3.1	4.2	3.0	4.3	3.2	4.4	3.0	4.5	2.8	
		44.0	3.0	2.5	3.6	2.9	4.1	3.0	4.2	2.9	4.2	3.1	4.3	3.0	4.4	2.8	
		46.0	3.0	2.5	3.6	2.9	3.9	2.9	3.9	2.7	3.9	2.8	3.9	2.7	3.9	2.5	

CA05A396

Capacity tables

4 - 1 Cooling capacity tables

FXSQ-M

TC: Total Capacity; kW - SHC: Sensible capacity; kW

Unit size	Nominal capacity	Outdoor air temp. °CDB	Indoor air temperature													
			14.0°CWB		16.0°CWB		18.0°CWB		19.0°CWB		20.0°CWB		22.0°CWB		24.0°CWB	
			20.0°CDB		23.0°CDB		26.0°CDB		27.0°CDB		28.0°CDB		30.0°CDB		32.0°CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	
50	5.6	10.0	3.8	3.2	4.5	3.7	5.2	3.9	5.6	4.1	6.0	4.3	6.7	4.0	7.1	4.2
		12.0	3.8	3.2	4.5	3.7	5.2	3.9	5.6	4.1	6.0	4.3	6.7	4.0	7.0	4.2
		14.0	3.8	3.2	4.5	3.7	5.2	3.9	5.6	4.1	6.0	4.3	6.7	4.0	6.9	4.2
		16.0	3.8	3.2	4.5	3.7	5.2	3.9	5.6	4.1	6.0	4.3	6.7	4.0	6.8	4.1
		18.0	3.8	3.2	4.5	3.7	5.2	3.9	5.6	4.1	6.0	4.3	6.6	3.9	6.7	4.1
		20.0	3.8	3.2	4.5	3.7	5.2	3.9	5.6	4.1	6.0	4.3	6.5	3.9	6.6	4.1
		21.0	3.8	3.2	4.5	3.7	5.2	3.9	5.6	4.1	6.0	4.3	6.4	3.9	6.6	4.0
		23.0	3.8	3.2	4.5	3.7	5.2	3.9	5.6	4.1	6.0	4.3	6.4	3.8	6.5	4.0
		25.0	3.8	3.2	4.5	3.7	5.2	3.9	5.6	4.1	6.0	4.3	6.3	3.8	6.4	4.0
		27.0	3.8	3.2	4.5	3.7	5.2	3.9	5.6	4.1	6.0	4.3	6.2	3.8	6.3	3.9
		29.0	3.8	3.2	4.5	3.7	5.2	3.9	5.6	4.1	5.9	4.3	6.1	3.7	6.2	3.9
		31.0	3.8	3.2	4.5	3.7	5.2	3.9	5.6	4.1	5.9	4.3	6.0	3.7	6.1	3.8
		33.0	3.8	3.2	4.5	3.7	5.2	3.9	5.6	4.1	5.8	4.2	5.9	3.7	6.0	3.8
		35.0	3.8	3.2	4.5	3.7	5.2	3.9	5.6	4.1	5.7	4.2	5.8	3.6	5.9	3.8
		37.0	3.8	3.2	4.5	3.7	5.2	3.9	5.5	4.0	5.6	4.1	5.7	3.6	5.8	3.7
		39.0	3.8	3.2	4.5	3.7	5.2	3.9	5.4	3.9	5.5	4.1	5.6	3.6	5.8	3.7
		42.0	3.8	3.1	4.5	3.5	5.2	3.7	5.3	3.7	5.3	3.8	5.5	3.7	5.6	3.4
		44.0	3.8	3.1	4.5	3.5	5.1	3.7	5.2	3.7	5.3	3.7	5.4	3.6	5.5	3.4
		46.0	3.8	3.1	4.5	3.5	4.8	3.4	4.8	3.4	4.8	3.4	4.8	3.2	4.9	3.0
		63	7.1	10.0	4.8	4.1	5.7	4.8	6.6	4.9	7.1	5.2	7.6	5.5	8.5	5.6
12.0	4.8			4.1	5.7	4.8	6.6	4.9	7.1	5.2	7.6	5.5	8.5	5.6	8.9	5.3
14.0	4.8			4.1	5.7	4.8	6.6	4.9	7.1	5.2	7.6	5.5	8.5	5.6	8.7	5.3
16.0	4.8			4.1	5.7	4.8	6.6	4.9	7.1	5.2	7.6	5.5	8.5	5.6	8.6	5.2
18.0	4.8			4.1	5.7	4.8	6.6	4.9	7.1	5.2	7.6	5.5	8.3	5.5	8.5	5.1
20.0	4.8			4.1	5.7	4.8	6.6	4.9	7.1	5.2	7.6	5.5	8.2	5.4	8.4	5.1
21.0	4.8			4.1	5.7	4.8	6.6	4.9	7.1	5.2	7.6	5.5	8.2	5.4	8.3	5.0
23.0	4.8			4.1	5.7	4.8	6.6	4.9	7.1	5.2	7.6	5.5	8.1	5.3	8.2	5.0
25.0	4.8			4.1	5.7	4.8	6.6	4.9	7.1	5.2	7.6	5.5	7.9	5.2	8.1	4.9
27.0	4.8			4.1	5.7	4.8	6.6	4.9	7.1	5.2	7.6	5.5	7.8	5.2	8.0	4.9
29.0	4.8			4.1	5.7	4.8	6.6	4.9	7.1	5.2	7.5	5.5	7.7	5.1	7.9	4.9
31.0	4.8			4.1	5.7	4.8	6.6	4.9	7.1	5.2	7.4	5.4	7.6	5.1	7.8	4.8
33.0	4.8			4.1	5.7	4.8	6.6	4.9	7.1	5.2	7.3	5.3	7.5	5.0	7.6	4.8
35.0	4.8			4.1	5.7	4.8	6.6	4.9	7.1	5.2	7.2	5.2	7.4	5.0	7.5	4.8
37.0	4.8			4.1	5.7	4.8	6.6	4.9	7.0	5.2	7.1	5.2	7.2	5.0	7.4	4.7
39.0	4.8			4.1	5.7	4.8	6.6	4.9	6.9	5.1	7.0	5.2	7.1	4.9	7.3	4.7
42.0	4.8			4.1	5.7	4.7	6.6	4.8	6.7	4.9	6.8	5.0	7.0	4.9	7.1	4.6
44.0	4.8			4.1	5.7	4.7	6.5	4.7	6.6	4.9	6.7	4.9	6.8	4.8	7.0	4.5
46.0	4.8			4.1	5.7	4.7	6.1	4.5	6.1	4.5	6.1	4.5	6.1	4.3	6.2	4.0
80	9.0			10.0	6.1	5.0	7.2	5.7	8.4	6.1	9.0	6.3	9.6	6.7	10.8	6.8
		12.0	6.1	5.0	7.2	5.7	8.4	6.1	9.0	6.3	9.6	6.7	10.8	6.8	11.2	6.5
		14.0	6.1	5.0	7.2	5.7	8.4	6.1	9.0	6.3	9.6	6.7	10.8	6.8	11.1	6.4
		16.0	6.1	5.0	7.2	5.7	8.4	6.1	9.0	6.3	9.6	6.7	10.7	6.8	10.9	6.3
		18.0	6.1	5.0	7.2	5.7	8.4	6.1	9.0	6.3	9.6	6.7	10.6	6.7	10.8	6.3
		20.0	6.1	5.0	7.2	5.7	8.4	6.1	9.0	6.3	9.6	6.7	10.4	6.6	10.6	6.2
		21.0	6.1	5.0	7.2	5.7	8.4	6.1	9.0	6.3	9.6	6.7	10.4	6.6	10.6	6.1
		23.0	6.1	5.0	7.2	5.7	8.4	6.1	9.0	6.3	9.6	6.7	10.2	6.5	10.4	6.0
		25.0	6.1	5.0	7.2	5.7	8.4	6.1	9.0	6.3	9.6	6.7	10.1	6.4	10.3	6.0
		27.0	6.1	5.0	7.2	5.7	8.4	6.1	9.0	6.3	9.6	6.7	9.9	6.3	10.1	5.9
		29.0	6.1	5.0	7.2	5.7	8.4	6.1	9.0	6.3	9.5	6.6	9.8	6.2	10.0	5.9
		31.0	6.1	5.0	7.2	5.7	8.4	6.1	9.0	6.3	9.4	6.5	9.6	6.2	9.8	5.8
		33.0	6.1	5.0	7.2	5.7	8.4	6.1	9.0	6.3	9.3	6.4	9.5	6.1	9.7	5.8
		35.0	6.1	5.0	7.2	5.7	8.4	6.1	9.0	6.3	9.1	6.3	9.3	6.1	9.5	5.8
		37.0	6.1	5.0	7.2	5.7	8.4	6.1	8.9	6.2	9.0	6.3	9.2	6.0	9.4	5.7
		39.0	6.1	5.0	7.2	5.7	8.4	6.1	8.7	6.2	8.8	6.3	9.0	6.0	9.3	5.7
		42.0	6.1	5.0	7.2	5.8	8.4	6.1	8.5	6.1	8.6	6.1	8.8	5.8	9.0	5.6
		44.0	6.1	5.0	7.2	5.8	8.2	6.0	8.3	6.0	8.5	6.0	8.7	5.7	8.9	5.5
		46.0	6.1	5.0	7.2	5.8	7.7	5.6	7.7	5.5	7.8	5.5	7.8	5.1	7.8	4.8
		100	11.2	10.0	7.6	6.2	9.0	7.2	10.5	7.6	11.2	7.9	11.9	8.3	13.4	8.5
12.0	7.6			6.2	9.0	7.2	10.5	7.6	11.2	7.9	11.9	8.3	13.4	8.5	14.0	8.1
14.0	7.6			6.2	9.0	7.2	10.5	7.6	11.2	7.9	11.9	8.3	13.4	8.5	13.8	8.0
16.0	7.6			6.2	9.0	7.2	10.5	7.6	11.2	7.9	11.9	8.3	13.3	8.4	13.6	7.9
18.0	7.6			6.2	9.0	7.2	10.5	7.6	11.2	7.9	11.9	8.3	13.2	8.3	13.4	7.8
20.0	7.6			6.2	9.0	7.2	10.5	7.6	11.2	7.9	11.9	8.3	13.0	8.2	13.2	7.7
21.0	7.6			6.2	9.0	7.2	10.5	7.6	11.2	7.9	11.9	8.3	12.9	8.2	13.2	7.6
23.0	7.6			6.2	9.0	7.2	10.5	7.6	11.2	7.9	11.9	8.3	12.7	8.0	13.0	7.5
25.0	7.6			6.2	9.0	7.2	10.5	7.6	11.2	7.9	11.9	8.3	12.5	7.9	12.8	7.5
27.0	7.6			6.2	9.0	7.2	10.5	7.6	11.2	7.9	11.9	8.3	12.3	7.8	12.6	7.4
29.0	7.6			6.2	9.0	7.2	10.5	7.6	11.2	7.9	11.9	8.2	12.2	7.7	12.4	7.3
31.0	7.6			6.2	9.0	7.2	10.5	7.6	11.2	7.9	11.7	8.1	12.0	7.7	12.2	7.3
33.0	7.6			6.2	9.0	7.2	10.5	7.6	11.2	7.9	11.5	8.0	11.8	7.6	12.1	7.3
35.0	7.6			6.2	9.0	7.2	10.5	7.6	11.2	7.9	11.3	7.9	11.6	7.5	11.9	7.2
37.0	7.6			6.2	9.0	7.2	10.5	7.6	11.0	7.7	11.2	7.8	11.4	7.5	11.7	7.1
39.0	7.6			6.2	9.0	7.2	10.5	7.6	10.8	7.7	11.0	7.8	11.2	7.4	11.5	7.1
42.0	7.6			6.2	9.0	7.1	10.4	7.5	10.6	7.5	10.7	7.6	11.0	7.2	11.2	6.9
44.0	7.6			6.2	9.0	7.1	10.2	7.4	10.4	7.4	10.5	7.4	10.8	7.1	11.1	6.8
46.0	7.6			6.2	9.0	7.1	9.6	7.0	9.6	6.8	9.7	6.8	9.7	6.4	9.7	6.0
125	14.0			10.0	9.4	7.8	11.3	9.0	13.1	9.6	14.0	9.9	14.9	10.3	16.7	10.7
		12.0	9.4	7.8	11.3	9.0	13.1	9.6	14.0	9.9	14.9	10.3	16.7	10.7	17.5	10.4
		14.0	9.4	7.8	11.3	9.0	13.1	9.6	14.0	9.9	14.9	10.3	16.7	10.7	17.2	10.3
		16.0	9.4	7.8	11.3	9.0	13.1	9.6	14.0	9.9	14.9	10.3	16.7	10.7	17.0	10.2
		18.0	9.4	7.8	11.3	9.0	13.1	9.6	14.0	9.9	14.9	10.3	16.4	10.5	16.8	10.0
		20.0	9.4	7.8	11.3	9.0	13.1	9.6	14.0	9.9	14.9	10.3	16.2	10.4	16.6	9.9
		21.0	9.4	7.8	11.3	9.0	13.1	9.6	14.0	9.9	14.9	10.3	16.1	10.3	16.4	9.8
		23.0	9.4	7.8	11.3	9.0	13.1	9.6	14.0	9.9	14.9	10.3	15.9	10.2	16.2	9.7
		25.0	9.4	7.8	11.3	9.0	13.1	9.6	14.0	9.9	14.9	10.3	15.6	10.0	16.0	9.6
		27.0	9.4	7.8	11.3	9.0	13.1	9.6	14.0	9.9	14.9	10.3	15.4	9.9	15.8	9.5
		29.0	9.4	7.8	11.3	9.0	13.1	9.6	14.0	9.9	14.9	10.3	15.2	9.8	15.5	9.4
		31.0	9.4	7.8	11.3	9.0	13.1	9.6	14.0	9.9	14.6	10.1	15.0	9.7	15.3	9.3
		33.0	9.4	7.8	11.3	9.0	13.1	9.6	14.0	9.9	14.4	10.0	14.7	9.6	15.1	9.2
		35.0	9.4	7.8												

4 Capacity tables

4 - 2 Heating capacity tables

FXSQ-M

Unit size	Nominal Capacity	Outdoor air temp		Indoor air temp.: °CDB					
				16.0	18.0	20.0	21.0	22.0	24.0
		°CDB	°CWB	KW	KW	KW	KW	KW	KW
20	2.5	-19.8	-20.0	1.5	1.5	1.5	1.5	1.5	1.5
		-18.8	-19.0	1.5	1.5	1.5	1.5	1.5	1.5
		-16.7	-17.0	1.6	1.6	1.6	1.6	1.6	1.6
		-14.7	-15.0	1.7	1.7	1.7	1.7	1.7	1.7
		-12.6	-13.0	1.8	1.8	1.8	1.8	1.8	1.8
		-10.5	-11.0	1.9	1.9	1.9	1.9	1.9	1.9
		-9.5	-10.0	1.9	1.9	1.9	1.9	1.9	1.9
		-8.5	-9.1	2.0	2.0	1.9	1.9	1.9	1.9
		-7.0	-7.6	2.0	2.0	2.0	2.0	2.0	2.0
		-5.0	-5.6	2.1	2.1	2.1	2.1	2.1	2.1
		-3.0	-3.7	2.2	2.2	2.2	2.2	2.2	2.2
		0.0	-0.7	2.3	2.3	2.3	2.3	2.3	2.2
		3.0	2.2	2.5	2.5	2.4	2.4	2.3	2.2
		5.0	4.1	2.5	2.5	2.5	2.4	2.3	2.2
		7.0	6.0	2.6	2.6	2.5	2.4	2.3	2.2
		9.0	7.9	2.7	2.7	2.5	2.4	2.3	2.2
		11.0	9.8	2.8	2.7	2.5	2.4	2.3	2.2
		13.0	11.8	2.8	2.7	2.5	2.4	2.3	2.2
		15.0	13.7	2.8	2.7	2.5	2.4	2.3	2.2
25	3.2	-19.8	-20.0	1.9	1.9	1.9	1.9	1.9	1.9
		-18.8	-19.0	1.9	1.9	1.9	1.9	1.9	1.9
		-16.7	-17.0	2.1	2.1	2.0	2.0	2.0	2.0
		-14.7	-15.0	2.2	2.2	2.2	2.2	2.2	2.1
		-12.6	-13.0	2.3	2.3	2.3	2.3	2.3	2.3
		-10.5	-11.0	2.4	2.4	2.4	2.4	2.4	2.4
		-9.5	-10.0	2.5	2.4	2.4	2.4	2.4	2.4
		-8.5	-9.1	2.5	2.5	2.5	2.5	2.5	2.5
		-7.0	-7.6	2.6	2.6	2.6	2.6	2.6	2.6
		-5.0	-5.6	2.7	2.7	2.7	2.7	2.7	2.7
		-3.0	-3.7	2.8	2.8	2.8	2.8	2.8	2.8
		0.0	-0.7	3.0	3.0	3.0	3.0	3.0	2.8
		3.0	2.2	3.1	3.1	3.1	3.1	3.0	2.8
		5.0	4.1	3.3	3.2	3.2	3.1	3.0	2.8
		7.0	6.0	3.4	3.4	3.2	3.1	3.0	2.8
		9.0	7.9	3.5	3.4	3.2	3.1	3.0	2.8
		11.0	9.8	3.6	3.4	3.2	3.1	3.0	2.8
		13.0	11.8	3.6	3.4	3.2	3.1	3.0	2.6
		15.0	13.7	3.6	3.4	3.2	3.1	3.0	2.8
32	4.0	-19.8	-20.0	2.4	2.4	2.3	2.3	2.3	2.3
		-18.8	-19.0	2.4	2.4	2.4	2.4	2.4	2.4
		-16.7	-17.0	2.6	2.6	2.6	2.6	2.6	2.5
		-14.7	-15.0	2.7	2.7	2.7	2.7	2.7	2.7
		-12.6	-13.0	2.9	2.8	2.8	2.8	2.8	2.8
		-10.5	-11.0	3.0	3.0	3.0	3.0	3.0	3.0
		-9.5	-10.0	3.1	3.1	3.1	3.1	3.0	3.0
		-8.5	-9.1	3.1	3.1	3.1	3.1	3.1	3.1
		-7.0	-7.6	3.2	3.2	3.2	3.2	3.2	3.2
		-5.0	-5.6	3.4	3.4	3.4	3.4	3.4	3.4
		-3.0	-3.7	3.5	3.5	3.5	3.5	3.5	3.5
		0.0	-0.7	3.7	3.7	3.7	3.7	3.7	3.5
		3.0	2.2	3.9	3.9	3.9	3.9	3.7	3.5
		5.0	4.1	4.1	4.1	4.0	3.9	3.7	3.5
		7.0	6.0	4.2	4.2	4.0	3.9	3.7	3.5
		9.0	7.9	4.3	4.3	4.0	3.9	3.7	3.5
		11.0	9.8	4.5	4.3	4.0	3.9	3.7	3.5
		13.0	11.8	4.5	4.3	4.0	3.9	3.7	3.5
		15.0	13.7	4.5	4.3	4.0	3.9	3.7	3.5
40	5.0	-19.8	-20.0	3.0	2.9	2.9	2.9	2.9	2.9
		-18.8	-19.0	3.0	3.0	3.0	3.0	3.0	3.0
		-16.7	-17.5	3.2	3.2	3.2	3.2	3.2	3.2
		-14.7	-15.0	3.4	3.4	3.4	3.4	3.4	3.4
		-12.6	-13.0	3.6	3.6	3.6	3.5	3.5	3.5
		-10.5	-11.0	3.7	3.7	3.7	3.7	3.7	3.7
		-9.5	-10.0	3.8	3.8	3.8	3.8	3.8	3.8
		-8.5	-9.1	3.9	3.9	3.9	3.9	3.9	3.9
		-7.0	-7.6	4.0	4.0	4.0	4.0	4.0	4.0
		-5.0	-5.6	4.2	4.2	4.2	4.2	4.2	4.2
		-3.0	-3.7	4.4	4.4	4.4	4.4	4.4	4.4
		0.0	-0.7	4.7	4.6	4.6	4.6	4.6	4.4
		3.0	2.2	4.9	4.9	4.9	4.8	4.7	4.4
		5.0	4.1	5.1	5.1	5.0	4.8	4.7	4.4
		7.0	6.0	5.2	5.2	5.0	4.8	4.7	4.4
		9.0	7.9	5.4	5.3	5.0	4.8	4.7	4.4
		11.0	9.8	5.6	5.3	5.0	4.8	4.7	4.4
		13.0	11.8	5.6	5.3	5.0	4.8	4.7	4.4
		15.0	13.7	5.6	5.3	5.0	4.8	4.7	4.4

3TW25512-2A

4 Capacity tables

4 - 2 Heating capacity tables

FXSQ-M

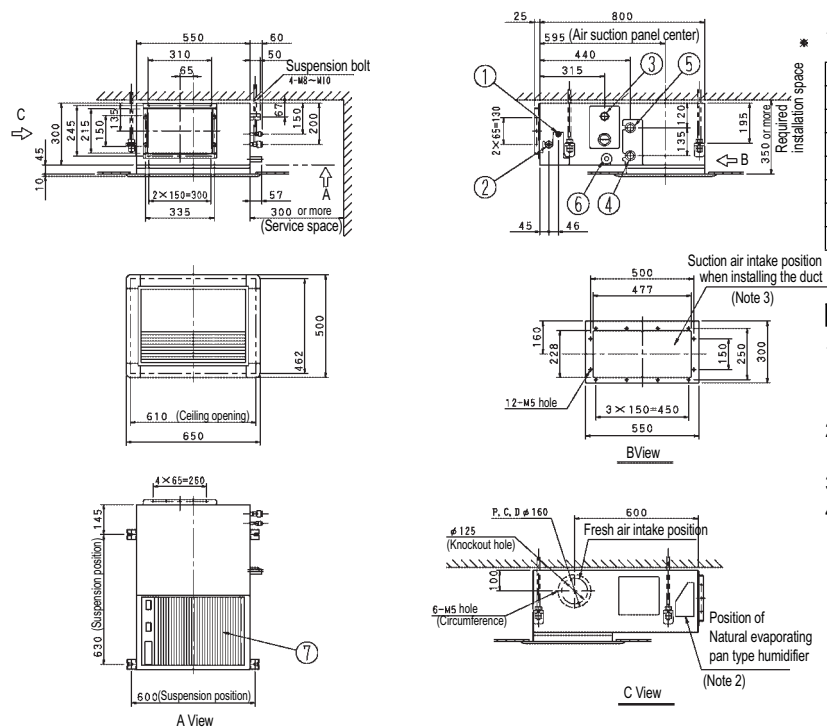
Unit size	Nominal Capacity	Outdoor air temp		Indoor air temp.: °CDB					
				16.0	18.0	20.0	21.0	22.0	24.0
		(°CDB)	(°CWB)	KW	KW	KW	KW	KW	KW
50	6.3	-19.8	-20.0	3.7	3.7	3.7	3.7	3.7	3.7
		-18.8	-19.0	3.8	3.8	3.8	3.8	3.8	3.8
		-16.7	-17.0	4.1	4.0	4.0	4.0	4.0	4.0
		-14.7	-15.0	4.3	4.3	4.3	4.2	4.2	4.2
		-12.6	-13.0	4.5	4.5	4.5	4.5	4.5	4.5
		-10.5	-11.0	4.7	4.7	4.7	4.7	4.7	4.7
		-9.5	-10.0	4.8	4.8	4.8	4.8	4.8	4.8
		-8.5	-9.1	4.9	4.9	4.9	4.9	4.9	4.9
		-7.0	-7.6	5.1	5.1	5.1	5.1	5.1	5.1
		-5.0	-5.6	5.3	5.3	5.3	5.3	5.3	5.3
		-3.0	-3.7	5.5	5.5	5.5	5.5	5.5	5.5
		0.0	-0.7	5.9	5.9	5.8	5.8	5.8	5.5
		3.0	2.2	6.2	6.2	6.2	6.1	5.9	5.5
		5.0	4.1	6.4	6.4	6.3	6.1	5.9	5.5
		7.0	6.0	6.6	6.6	6.3	6.1	5.9	5.5
		9.0	7.9	6.8	6.7	6.3	6.1	5.9	5.5
		11.0	9.8	7.0	6.7	6.3	6.1	5.9	5.5
63	8.0	13.0	11.8	7.1	6.7	6.3	6.1	5.9	5.5
		15.0	13.7	7.1	6.7	6.3	6.1	5.9	5.5
		-19.8	-20.0	4.7	4.7	4.7	4.7	4.7	4.7
		-18.8	-19.0	4.9	4.9	4.8	4.8	4.8	4.8
		-16.7	-17.0	5.1	5.1	5.1	5.1	5.1	5.1
		-14.7	-15.0	5.4	5.4	5.4	5.4	5.4	5.4
		-12.6	-13.0	5.7	5.7	5.7	5.7	5.7	5.7
		-10.5	-11.0	6.0	6.0	6.0	6.0	6.0	5.9
		-9.5	-10.0	6.1	6.1	6.1	6.1	6.1	6.1
		-8.5	-9.1	6.3	6.3	6.2	6.2	6.2	6.2
		-7.0	-7.6	6.5	6.5	6.4	6.4	6.4	6.4
		-5.0	-5.6	6.8	6.7	6.7	6.7	6.7	6.7
		-3.0	-3.7	7.0	7.0	7.0	7.0	7.0	7.0
		0.0	-0.7	7.5	7.4	7.4	7.4	7.4	7.0
		3.0	2.2	7.9	7.8	7.8	7.7	7.5	7.0
		5.0	4.1	8.1	8.1	8.0	7.7	7.5	7.0
		7.0	6.0	8.4	8.4	8.0	7.7	7.5	7.0
80	10.0	9.0	7.9	8.7	8.5	8.0	7.7	7.5	7.0
		11.0	9.8	8.9	8.5	8.0	7.7	7.5	7.0
		13.0	11.8	9.0	8.5	8.0	7.7	7.5	7.0
		15.0	13.7	9.0	8.5	8.0	7.7	7.5	7.0
		-19.8	-20.0	5.9	5.9	5.9	5.9	5.9	5.8
		-18.8	-19.0	6.1	6.1	6.0	6.0	6.0	6.0
		-16.7	-17.0	6.4	6.4	6.4	6.4	6.4	6.4
		-14.7	-15.0	6.8	6.8	6.8	6.7	6.7	6.7
		-12.6	-13.0	7.1	7.1	7.1	7.1	7.1	7.1
		-10.5	-11.0	7.5	7.5	7.5	7.5	7.4	7.4
		-9.5	-10.0	7.7	7.7	7.6	7.6	7.6	7.6
		-8.5	-9.1	7.8	7.8	7.8	7.8	7.8	7.8
		-7.0	-7.6	8.1	8.1	8.1	8.1	8.0	8.0
		-5.0	-5.6	8.4	8.4	8.4	8.4	8.4	8.4
		-3.0	-3.7	8.8	8.8	8.7	8.7	8.7	8.7
		0.0	-0.7	9.3	9.3	9.3	9.3	9.3	8.7
		3.0	2.2	9.8	9.8	9.8	9.7	9.4	8.7
100	12.5	5.0	4.1	10.2	10.1	10.0	9.7	9.4	8.7
		7.0	6.0	10.5	10.5	10.0	9.7	9.4	8.7
		9.0	7.9	10.8	10.6	10.0	9.7	9.4	8.7
		11.0	9.8	11.2	10.6	10.0	9.7	9.4	8.7
		13.0	11.8	11.3	10.6	10.0	9.7	9.4	8.7
		15.0	13.7	11.3	10.6	10.0	9.7	9.4	8.7
		-19.8	-20.0	7.4	7.4	7.3	7.3	7.3	7.3
		-18.8	-19.0	7.6	7.6	7.6	7.5	7.5	7.5
		-16.7	-17.0	8.0	8.0	8.0	8.0	8.0	8.0
		-14.7	-15.0	8.5	8.5	8.4	8.4	8.4	8.4
		-12.6	-13.0	8.9	8.9	8.9	8.9	8.9	8.8
		-10.5	-11.0	9.4	9.3	9.3	9.3	9.3	9.3
		-9.5	-10.0	9.6	9.6	9.5	9.5	9.5	9.5
		-8.5	-9.1	9.8	9.8	9.7	9.7	9.7	9.7
		-7.0	-7.6	10.1	10.1	10.1	10.1	10.1	10.0
		-5.0	-5.6	10.6	10.5	10.5	10.5	10.5	10.5
		-3.0	-3.7	11.0	11.0	10.9	10.9	10.9	10.9
125	16.0	0.0	-0.7	11.6	11.6	11.6	11.6	11.6	10.9
		3.0	2.2	12.3	12.3	12.2	12.1	11.7	10.9
		5.0	4.1	12.7	12.7	12.5	12.1	11.7	10.9
		7.0	6.0	13.1	13.1	12.5	12.1	11.7	10.9
		9.0	7.9	13.5	13.3	12.5	12.1	11.7	10.9
		11.0	9.8	14.0	13.3	12.5	12.1	11.7	10.9
		13.0	11.8	14.1	13.3	12.5	12.1	11.7	10.9
		15.0	13.7	14.1	13.3	12.5	12.1	11.7	10.9
		-19.8	-20.0	9.4	9.4	9.4	9.4	9.4	9.3
		-18.8	-19.0	9.7	9.7	9.7	9.6	9.6	9.6
		-16.7	-17.0	10.3	10.3	10.2	10.2	10.2	10.2
		-14.7	-15.0	10.9	10.8	10.8	10.8	10.8	10.7
		-12.6	-13.0	11.4	11.4	11.4	11.4	11.3	11.3
		-10.5	-11.0	12.0	12.0	11.9	11.9	11.9	11.9
		-9.5	-10.0	12.3	12.2	12.2	12.2	12.2	12.2
		-8.5	-9.1	12.5	12.5	12.5	12.5	12.4	12.4
		-7.0	-7.6	13.0	12.9	12.9	12.9	12.9	12.8
		-5.0	-5.6	13.5	13.5	13.5	13.4	13.4	13.4
		-3.0	-3.7	14.1	14.0	14.0	14.0	14.0	13.9
		0.0	-0.7	14.9	14.9	14.8	14.8	14.8	13.9
		3.0	2.2	15.7	15.7	15.7	15.5	15.0	13.9
		5.0	4.1	16.3	16.2	16.0	15.5	15.0	13.9
		7.0	6.0	16.8	16.8	16.0	15.5	15.0	13.9
		9.0	7.9	17.3	17.0	16.0	15.5	15.0	13.9
		11.0	9.8	17.9	17.0	16.0	15.5	15.0	13.9
		13.0	11.8	18.1	17.0	16.0	15.5	15.0	13.9
		15.0	13.7	18.1	17.0	16.0	15.5	15.0	13.9

3TW25512-2A

5 Dimensional drawing & centre of gravity

5 - 1 Dimensional drawing

FXSQ20-25-32MVE



* The required ceiling depth varies according to configuration of specific system.

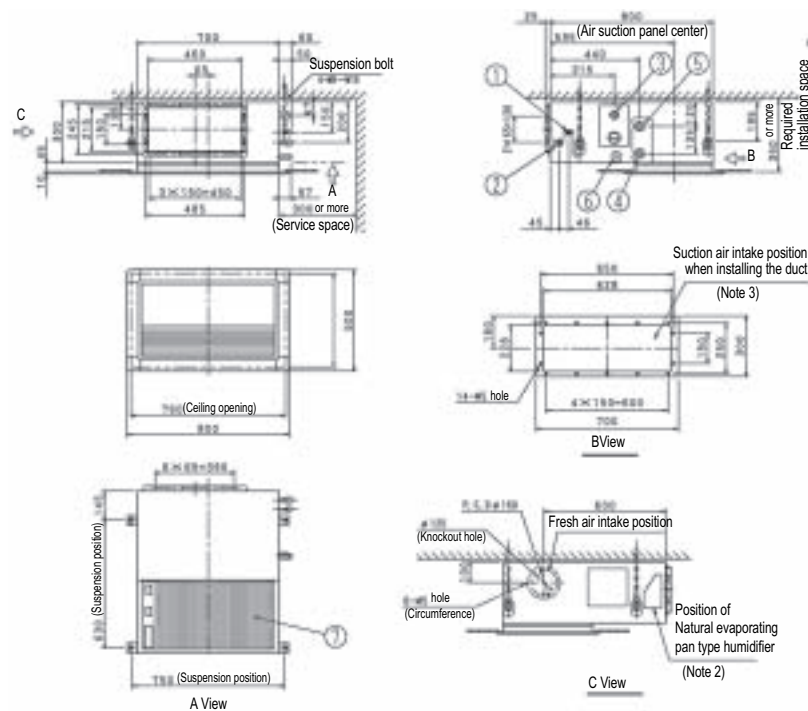
Nr	Name	Description
1	Liquid pipe connection	ø 6.4 flare connection
2	Gas pipe connection	ø 12.7 flare connection
3	Drain pipe connection	VP25 (O.D. ø 32, I.D. ø 25)
4	Interunit wiring port	
5	Power wiring port	
6	Drain hole	VP25 (O.D. ø 32, I.D. ø 25)
7	Air filter	

NOTES

- Location of unit's name plates
For main body : Filter install plate inside surface of suction grille
For decoration panel: Panel frame inside surface of suction grille.
- When installing an optional accessory, refer to the installation drawings.
- Refer to the separate drawing when installing the duct.
- "Decoration panel" and "air suction canvas" are optional accessories.

3D039433

FXSQ40-50MVE



* The required ceiling depth varies according to configuration of specific system.

Nr	Name	Description
1	Liquid pipe connection	ø 6.4 flare connection
2	Gas pipe connection	ø 12.7 flare connection
3	Drain pipe connection	VP25 (O.D. ø 32, I.D. ø 25)
4	Interunit wiring port	
5	Power wiring port	
6	Drain hole	VP25 (O.D. ø 32, I.D. ø 25)
7	Air filter	

NOTES

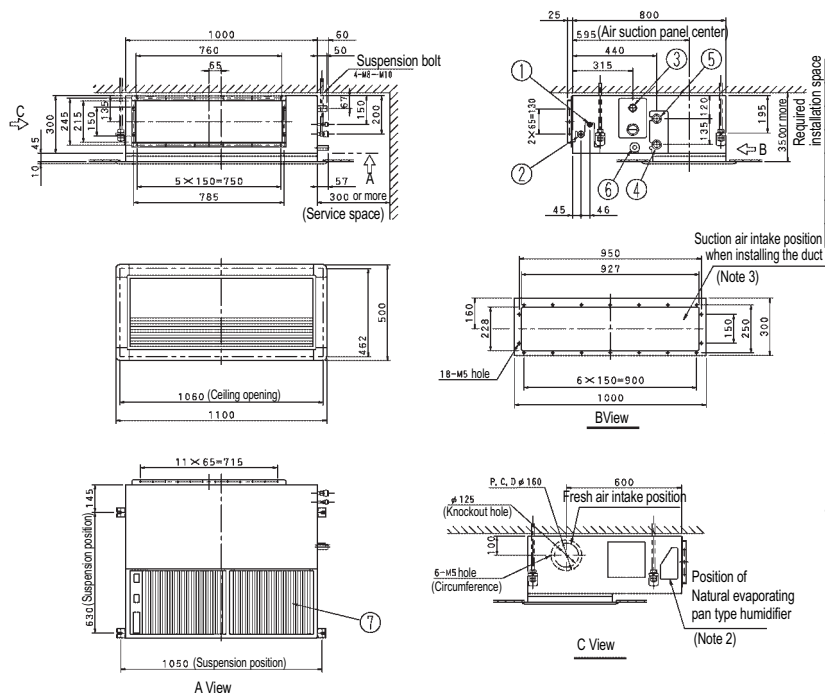
- Location of unit's name plates
For main body : Filter install plate inside surface of suction grille
For decoration panel: Panel frame inside surface of suction grille.
- When installing an optional accessory, refer to the installation drawings.
- Refer to the separate drawing when installing the duct.
- "Decoration panel" and "air suction canvas" are optional accessories.

3D039434

5 Dimensional drawing & centre of gravity

5 - 1 Dimensional drawing

FXSQ63MVE



The required ceiling depth varies according to configuration of specific system.

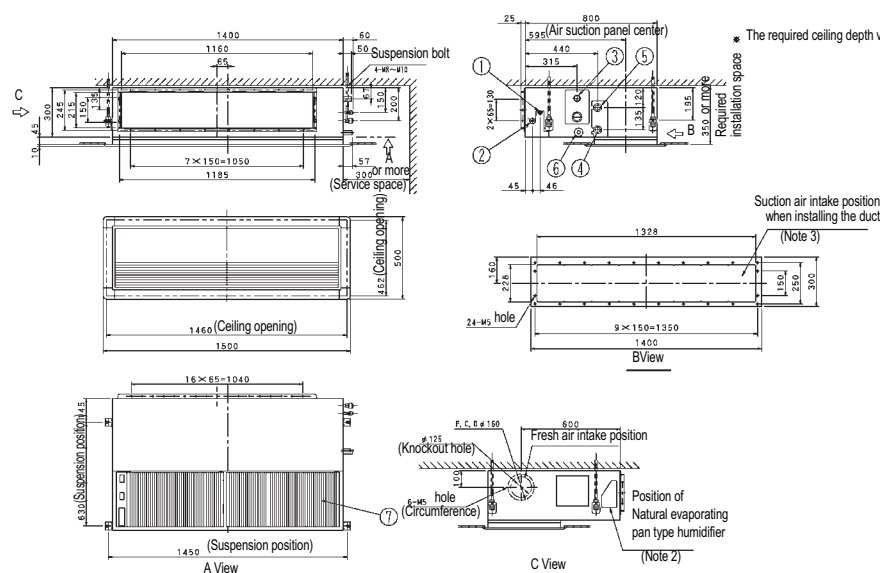
Nr	Name	Description
1	Liquid pipe connection	ø 6.4 flare connection
2	Gas pipe connection	ø 12.7 flare connection
3	Drain pipe connection	VP25 (O.D. ø 32, I.D. ø 25)
4	Interunit wiring port	
5	Power wiring port	
6	Drain hole	VP25 (O.D. ø 32, I.D. ø 25)
7	Air filter	

NOTES

- Location of unit's name plates
For main body : Filter install plate inside surface of suction grille
For decoration panel: Panel frame inside surface of suction grille.
- When installing an optional accessory, refer to the installation drawings.
- Refer to the separate drawing when installing the duct.
- "Decoration panel" and "air suction canvas" are optional accessories.

3D039435A

FXSQ80-100-125MVE



The required ceiling depth varies according to configuration of specific system.

Nr	Name	Description
1	Liquid pipe connection	ø 6.4 flare connection
2	Gas pipe connection	ø 12.7 flare connection
3	Drain pipe connection	VP25 (O.D. ø 32, I.D. ø 25)
4	Interunit wiring port	
5	Power wiring port	
6	Drain hole	VP25 (O.D. ø 32, I.D. ø 25)
7	Air filter	

NOTES

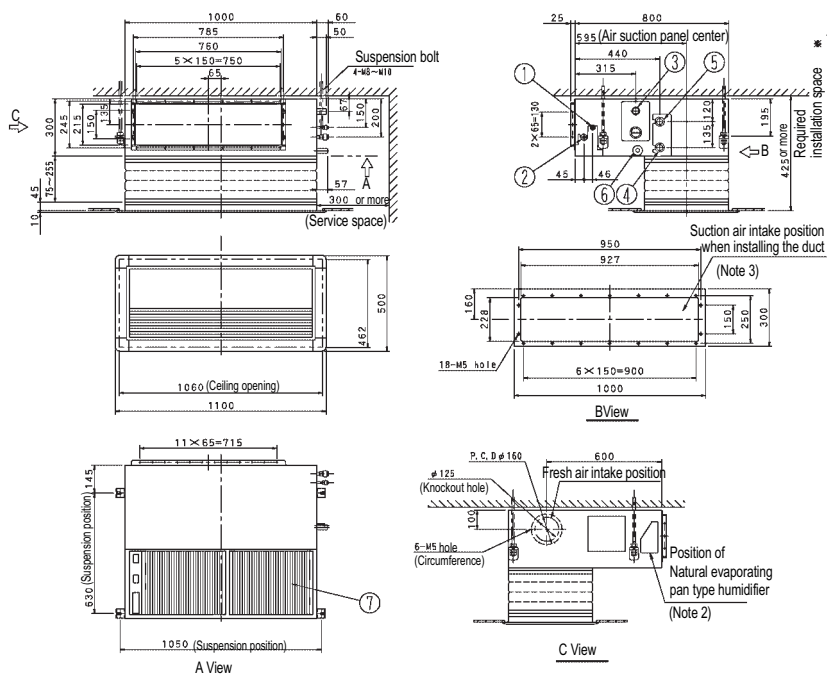
- Location of unit's name plates
For main body :
Fanhouse surface
Inside of filter
- When installing an optional accessory, refer to the installation drawings.
- Refer to the separate drawing when installing the duct.
- "Decoration panel" and "air suction canvas" are optional accessories.

3D039435A

5 Dimensional drawing & centre of gravity

5 - 1 Dimensional drawing

FXSQ63MVE



* The required ceiling depth varies according to configuration of specific system.

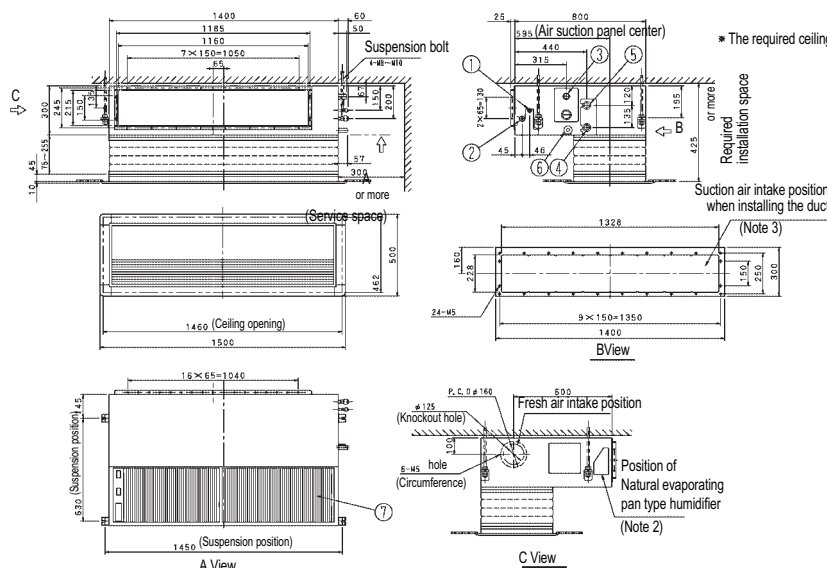
Nr	Name	Description
1	Liquid pipe connection	ø 6.4 flare connection
2	Gas pipe connection	ø 12.7 flare connection
3	Drain pipe connection	VP25 (O.D. ø 32, I.D. ø 25)
4	Interunit wiring port	
5	Power wiring port	
6	Drain hole	VP25 (O.D. ø 32, I.D. ø 25)
7	Air filter	

NOTES

- Location of unit's name plates
Fan housing surface, Inside of filter.
- When installing an optional accessory, refer to the installation drawings.
- Refer to the separate drawing when installing the duct.
- "Decoration panel" and "air suction canvas" are optional accessories.

3D039439A

FXSQ80-100-125MVE



* The required ceiling depth varies according to configuration of specific system.

Nr	Name	Description
1	Liquid pipe connection	ø 9.5 flare connection
2	Gas pipe connection	ø 15.9 flare connection
3	Drain pipe connection	VP25 (O.D. ø 32, I.D. ø 25)
4	Interunit wiring port	
5	Power wiring port	
6	Drain hole	VP25 (O.D. ø 32, I.D. ø 25)
7	Air filter	

NOTES

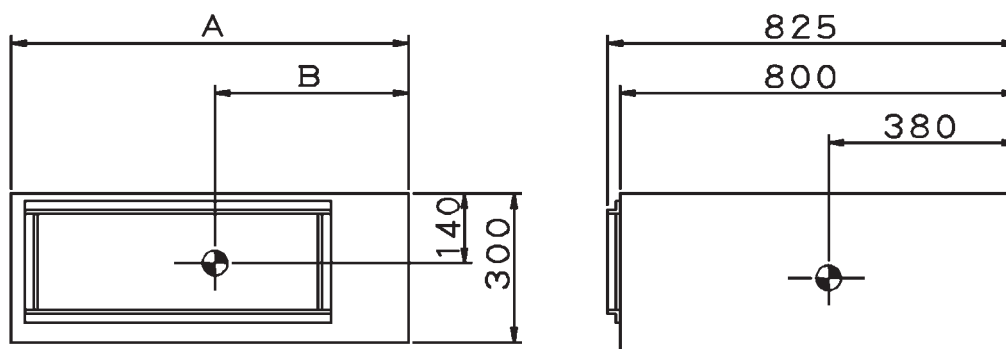
- Location of unit's name plates
Fan housing surface, Inside of filter.
- When installing an optional accessory, refer to the installation drawings.
- Refer to the separate drawing when installing the duct.
- "Decoration panel" and "air suction canvas" are optional accessories.

3D039440

5 Dimensional drawing & centre of gravity

5 - 2 Centre of gravity

FXSQ-MVE



MODEL	A	B
FXCQ20 - 25 - 32 MVE	550	250
FXSQ40 - 50 MVE	700	300
FXSQ 63 MVE	1000	460
FXSQ 80-100-125 MVE	1400	640

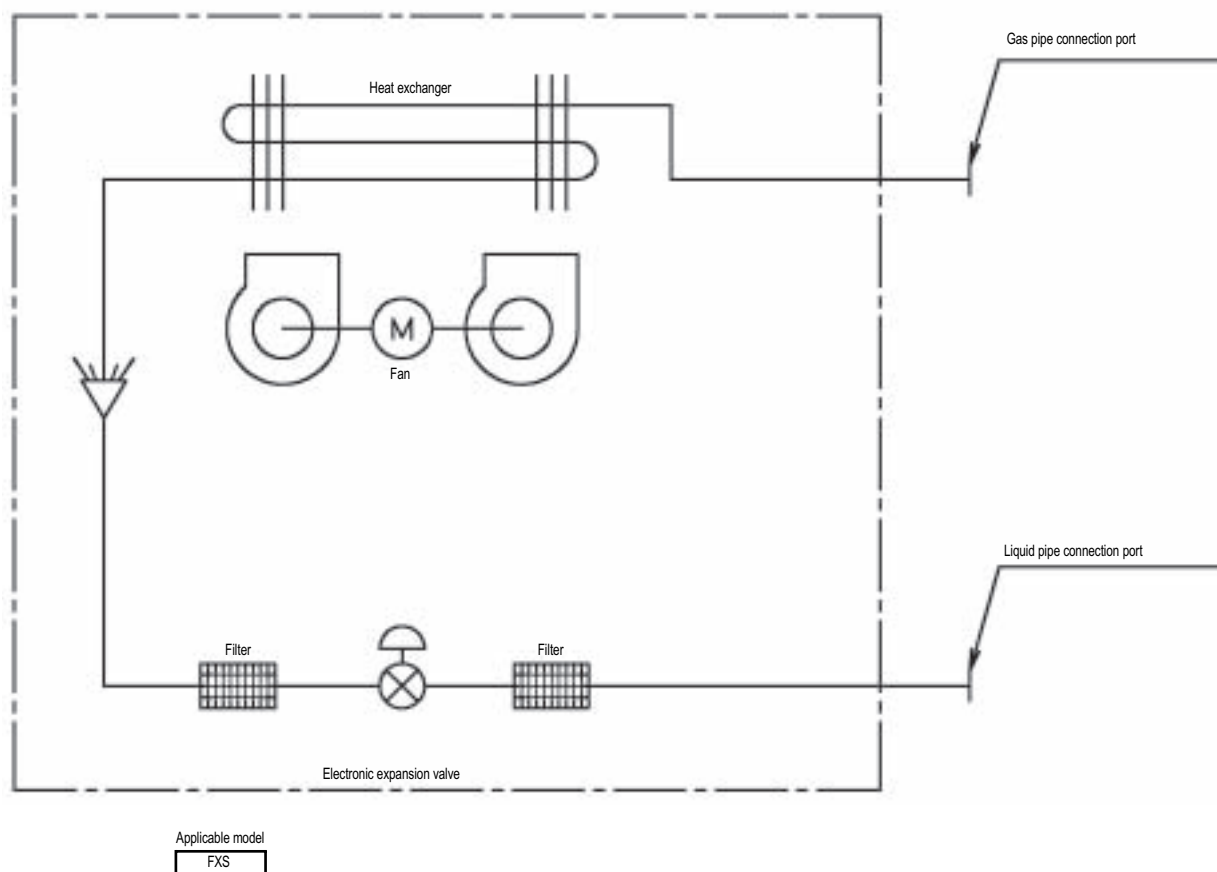
4D036946E

6 Piping diagram

FXSQ-MVE

1

6

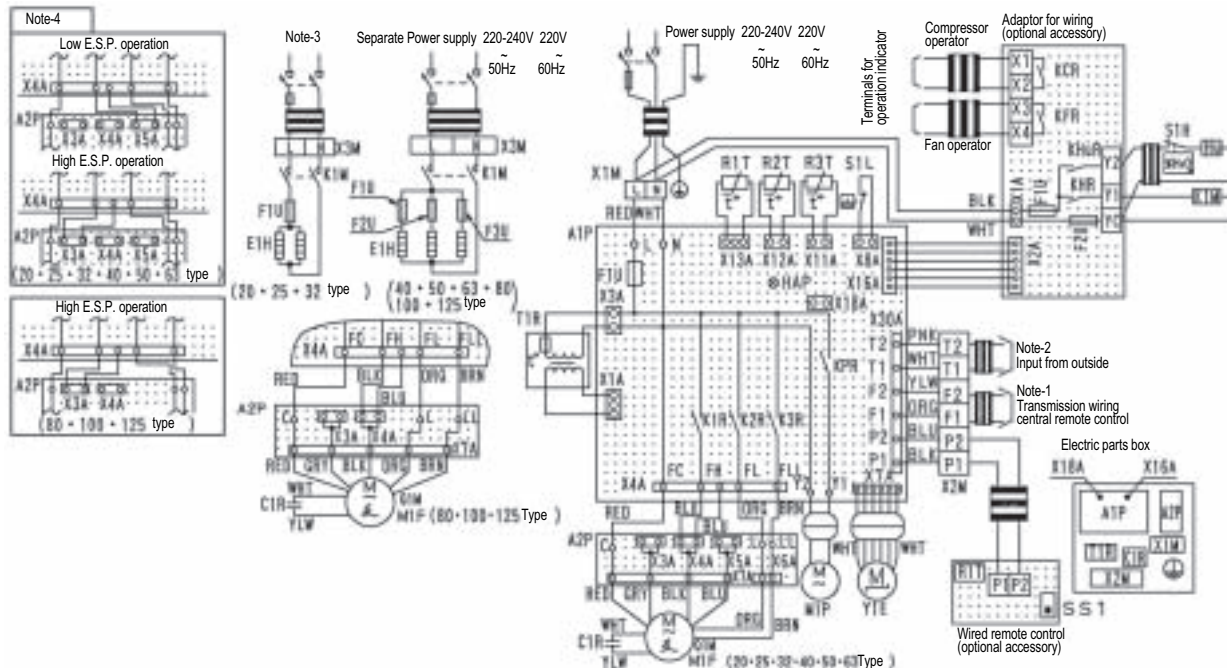


4D034245C

7 Wiring diagram

7 - 1 Wiring diagram

FXSQ-MVE



Indoor unit		R2T-R3T	Thermistor (coil)	Wired remote controle	
A1P	Printed Circuit Board	S1L	Float Switch	R1T	Thermistor(air)
A2P	Terminal board	T1R	Transformer (220-240V/22V)	SS1	Selector switch (main/sub)
C1R	Capacitor (M1F)	X1M	Terminal block (Power)	Adaptor for wiring	
F1U	Fuse (⊙, 5A, 250V)	X2M	Terminal block (Control)	F1U-F2U	Fuse (⊙, 5A, 250V)
HAP	Light Emitting Diode (Service Monitor-Green)	Y1E	Electronic expansion valve	KCR	Magnetic relay
		Optional parts		KFR	Magnetic relay
K1R-K3R	Magnetic relay (M1F)	E1H	Electric heater	KHR	Magnetic relay (5E1H)
KPR	Magnetic relay (M1P)	F1U-F3U	Fuse (⊙, 15A, 250V)	KHuR	Magnetic relay (Hu)
M1F	Motor (Indoor Fan)	Hu	Humidifier	Connector for optional parts	
M1P	Motor (Drain Pump)	K1M	Magnetic Relay (E1H)	X16A	Connector (Adaptor for wiring)
Q1M	Thermo switch (M1F embedded)	S1H	Humidistat	X18A	Connector (Wiring adaptor for electrical appendices)
R1T	Thermistor (Air)	X3M	Terminal block (E1H)		

: Terminal block
 : Connector
 : Short circuit connector
 : Terminal
 : Field wiring

Colors: BLK: Black PNK: Pink
 BLU: Blue RED: Red
 BRN: Brown WHT: White
 ORG: Orange YLW: Yellow
 GRY: Gray

3D039562A

NOTES

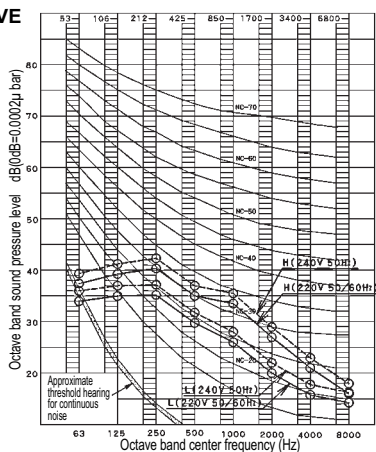
- In case of using central remote control, connect it to the unit in accordance with the attached instruction manual.
- When connecting the input wires from outside, forced off or on/off control operation can be selected by remote control in details. Refer to the installation manual attached the unit.
- In case unit installing the electric heater, execute the additional wiring for heater circuit (K1M,E1H). In this case, the main power supply has to be supplied independently.
- In case high or low E.S.P. operation, change over the wiring connection from X4A (Of A2P) to X3A or X5A.
- Use copper conductors only.

8 Sound data

8 - 1 Sound pressure spectrum

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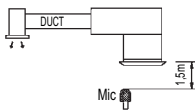
FXSQ20-25MVE



4D036937

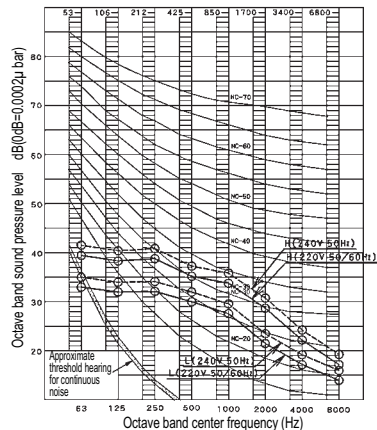
NOTE

- Over All (dB):
(B, G, N is already rectified)
- Operating conditions:
 - Power source: 220-240V/220V 50Hz/60Hz
 - JIS Standard
 - — ○ : 220 Hz
 - - - - ○ : 240 Hz
- Measuring place: Anechoic chamber
- Operation noise differs with operation and ambient conditions
- Location of microphone



Scale	220V		220V	
	H	L	H	L
A	37	32	39	34
C	43.5	38	45.5	40

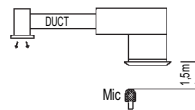
FXSQ32MVE



4D036938

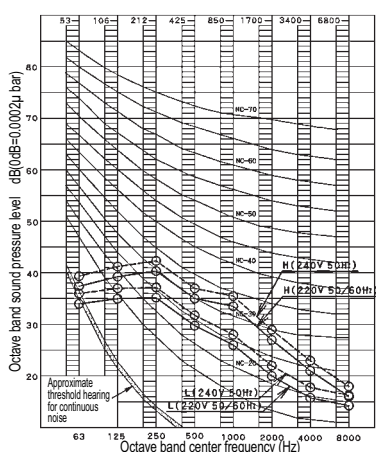
NOTE

- Over All (dB):
(B, G, N is already rectified)
- Operating conditions:
 - Power source: 220-240V/220V 50Hz/60Hz
 - JIS Standard
 - — ○ : 220 Hz
 - - - - ○ : 240 Hz
- Measuring place: Anechoic chamber
- Operation noise differs with operation and ambient conditions
- Location of microphone



Scale	220V		220V	
	H	L	H	L
A	38	32	40	34
C	44.5	38	46.5	40

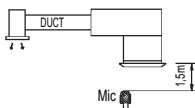
FXSQ40MVE



4D036939

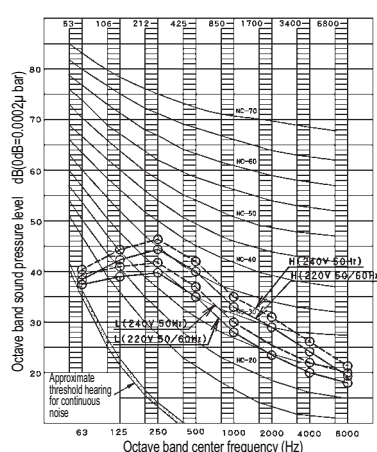
NOTE

- Over All (dB):
(B, G, N is already rectified)
- Operating conditions:
 - Power source: 220-240V/220V 50Hz/60Hz
 - JIS Standard
 - — ○ : 220 Hz
 - - - - ○ : 240 Hz
- Measuring place: Anechoic chamber
- Operation noise differs with operation and ambient conditions
- Location of microphone



Scale	220V		220V	
	H	L	H	L
A	38	32	40	34
C	45	40	47	42

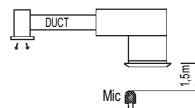
FXSQ50MVE



4D036940

NOTE

- Over All (dB):
(B, G, N is already rectified)
- Operating conditions:
 - Power source: 220-240V/220V 50Hz/60Hz
 - JIS Standard
 - — ○ : 220 Hz
 - - - - ○ : 240 Hz
- Measuring place: Anechoic chamber
- Operation noise differs with operation and ambient conditions
- Location of microphone

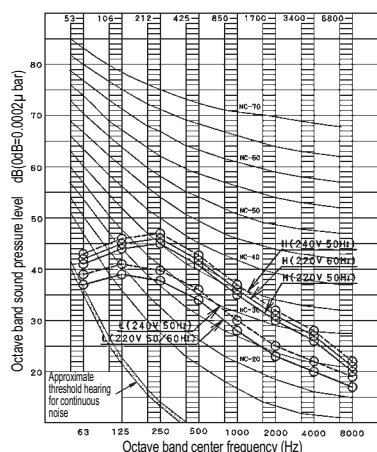


Scale	220V		220V	
	H	L	H	L
A	41	36	43	38
C	48	44	50	46

8 Sound data

8 - 1 Sound pressure spectrum

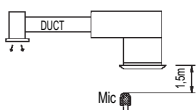
FXSQ63MVE



4D036941

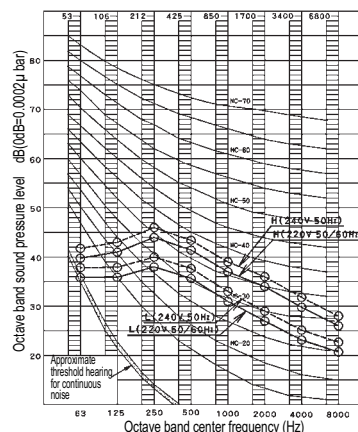
NOTE

- Over All (dB):
(B, G, N is already rectified)
- Operating conditons:
 - Power source: 220-240V/220V 50Hz/60Hz
 - JIS Standard
 - — ○ : 220 Hz
 - - - - ○ : 240 Hz
- Measuring place: Anechoic chamber
- Operation noise differs with operation and ambient conditions
- Location of microphone



Scale	220V		220V	
	H (50Hz)	L	H	L
A	42/43	35	44	37
C	49/50	43	51	45

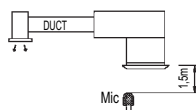
FXSQ80MVE



4D036942

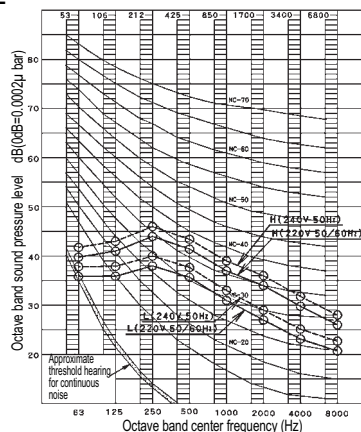
NOTE

- Over All (dB):
(B, G, N is already rectified)
- Operating conditons:
 - Power source: 220-240V/220V 50Hz/60Hz
 - JIS Standard
 - — ○ : 220 Hz
 - - - - ○ : 240 Hz
- Measuring place: Anechoic chamber
- Operation noise differs with operation and ambient conditions
- Location of microphone



Scale	220V		220V	
	H	L	H	L
A	43	37	45	39
C	48	43	50	45

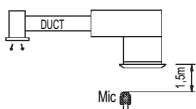
FXSQ100MVE



4D036943

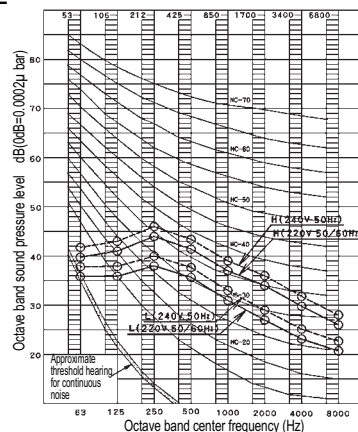
NOTE

- Over All (dB):
(B, G, N is already rectified)
- Operating conditons:
 - Power source: 220-240V/220V 50Hz/60Hz
 - JIS Standard
 - — ○ : 220 Hz
 - - - - ○ : 240 Hz
- Measuring place: Anechoic chamber
- Operation noise differs with operation and ambient conditions
- Location of microphone



Scale	220V		220V	
	H	L	H	L
A	43	37	45	39
C	48	43	50	45

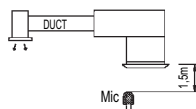
FXSQ125MVE



4D036944

NOTE

- Over All (dB):
(B, G, N is already rectified)
- Operating conditons:
 - Power source: 220-240V/220V 50Hz/60Hz
 - JIS Standard
 - — ○ : 220 Hz
 - - - - ○ : 240 Hz
- Measuring place: Anechoic chamber
- Operation noise differs with operation and ambient conditions
- Location of microphone

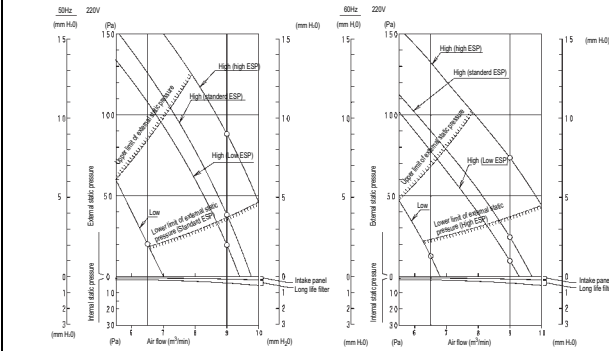


Scale	220V		220V	
	H	L	H	L
A	46	41	48	43
B	52	48	54	50

9 Fan characteristics

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FXSQ20-25MVE

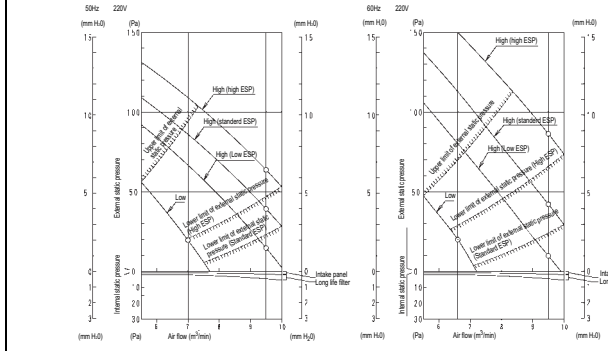


NOTE

- 1 The remote control can be used to switch between "high" and "low".
- 2 The air flow is set to "standard" before leaving the factory. It is possible to switch between "standard ESP" and "high ESP" by changing the terminals in the indoor unit electrical box.
- 3 The external static pressure indicates the characteristics of the fan when a suction panel (optional accessory) and a canvas for the suction panel (Optional accessory) are incorporated into the main unit (with a long-life filter.)

3D036959

FXSQ32MVE

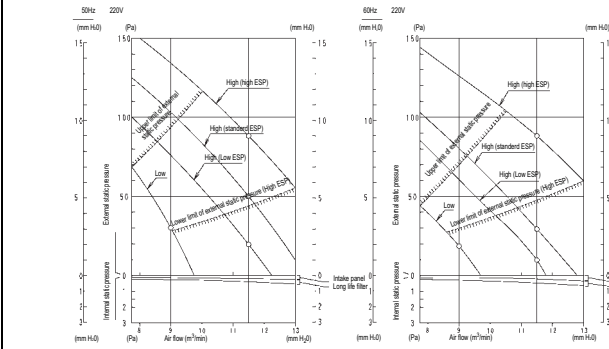


NOTE

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- 2 The air flow is set to "standard" before leaving the factory. It is possible to switch between "standard ESP" and "high ESP" by changing the terminals in the indoor unit electrical box.
- 3 The external static pressure indicates the characteristics of the fan when a suction panel (optional accessory) and a canvas for the suction panel (Optional accessory) are incorporated into the main unit (with a long-life filter.)

3D036960

FXSQ40MVE

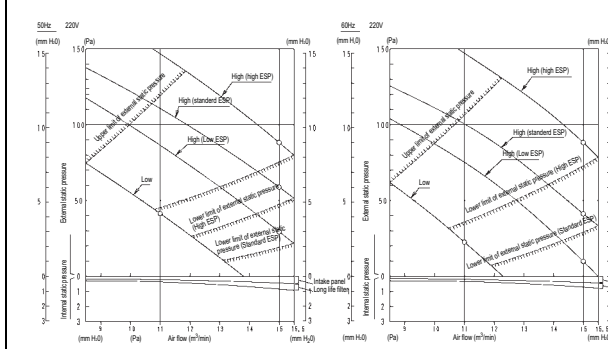


NOTE

- 1 The remote control can be used to switch between "high" and "low".
- 2 The air flow is set to "standard" before leaving the factory. It is possible to switch between "standard ESP" and "high ESP" by changing the terminals in the indoor unit electrical box.
- 3 The external static pressure indicates the characteristics of the fan when a suction panel (optional accessory) and a canvas for the suction panel (Optional accessory) are incorporated into the main unit (with a long-life filter.)

3D036961

FXSQ50MVE

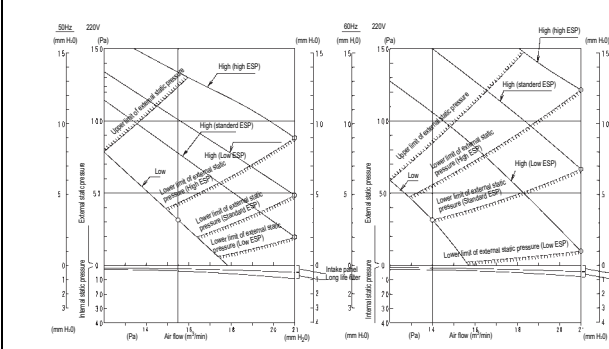


NOTE

- 1 The remote control can be used to switch between "high" and "low".
- 2 The air flow is set to "standard" before leaving the factory. It is possible to switch between "standard ESP" and "high ESP" by changing the terminals in the indoor unit electrical box.
- 3 The external static pressure indicates the characteristics of the fan when a suction panel (optional accessory) and a canvas for the suction panel (Optional accessory) are incorporated into the main unit (with a long-life filter.)

3D036962

FXSQ63MVE

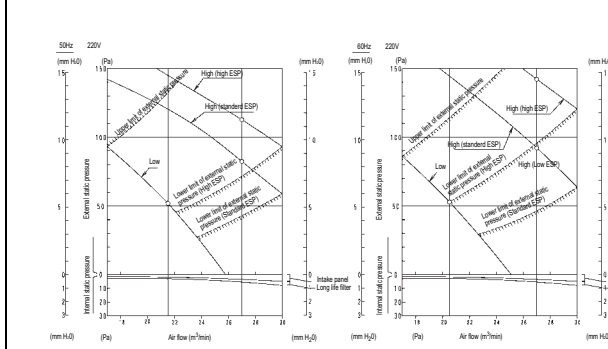


NOTE

- 1 The remote control can be used to switch between "high" and "low".
- 2 The air flow is set to "standard" before leaving the factory. It is possible to switch between "standard ESP" and "high ESP" by changing the terminals in the indoor unit electrical box.
- 3 The external static pressure indicates the characteristics of the fan when a suction panel (optional accessory) and a canvas for the suction panel (Optional accessory) are incorporated into the main unit (with a long-life filter.)

3D036963

FXSQ80MVE

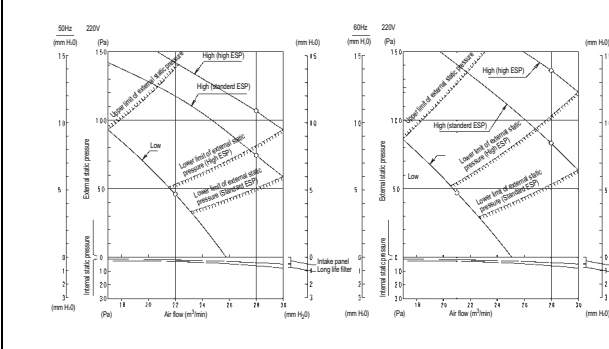


NOTE

- 1 The remote control can be used to switch between "high" and "low".
- 2 The air flow is set to "standard" before leaving the factory. It is possible to switch between "standard ESP" and "high ESP" by changing the terminals in the indoor unit electrical box.
- 3 The external static pressure indicates the characteristics of the fan when a suction panel (optional accessory) and a canvas for the suction panel (Optional accessory) are incorporated into the main unit (with a long-life filter.)

3D036964

FXSQ100MVE

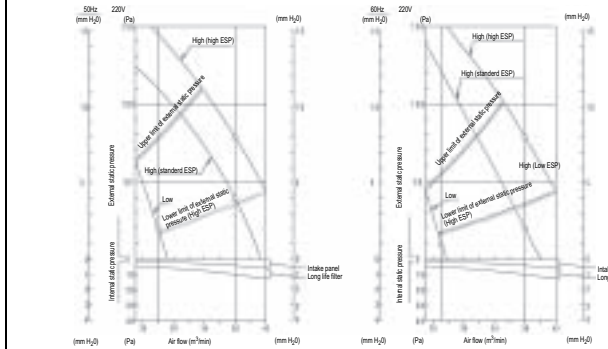


NOTE

- 1 The remote control can be used to switch between "high" and "low".
- 2 The air flow is set to "standard" before leaving the factory. It is possible to switch between "standard ESP" and "high ESP" by changing the terminals in the indoor unit electrical box.
- 3 The external static pressure indicates the characteristics of the fan when a suction panel (optional accessory) and a canvas for the suction panel (Optional accessory) are incorporated into the main unit (with a long-life filter.)

3D036965

FXSQ125MVE



NOTE

- 1 The remote control can be used to switch between "high" and "low".
- 2 The air flow is set to "standard" before leaving the factory. It is possible to switch between "standard ESP" and "high ESP" by changing the terminals in the indoor unit electrical box.
- 3 The external static pressure indicates the characteristics of the fan when a suction panel (optional accessory) and a canvas for the suction panel (Optional accessory) are incorporated into the main unit (with a long-life filter.)

3D036966



Daikin's unique position as a manufacturer of air conditioning equipment, compressors and refrigerants has led to its close involvement in environmental issues. For several years Daikin has had the intention to become a leader in the provision of products that have limited impact on the environment. This challenge demands the eco design and development of a wide range of products and an energy management system, resulting in energy conservation and a reduction of waste.



Daikin Europe N.V. is approved by LRQA for its Quality Management System in accordance with the ISO9001 standard. ISO9001 pertains to quality assurance regarding design, development, manufacturing as well as to services related to the product.



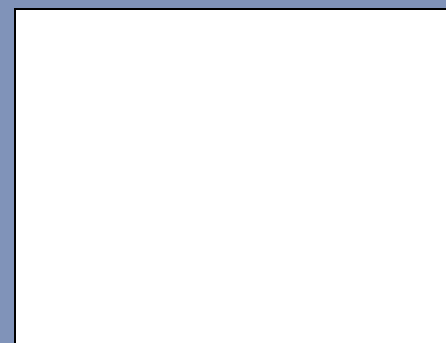
ISO14001 assures an effective environmental management system in order to help protect human health and the environment from the potential impact of our activities, products and services and to assist in maintaining and improving the quality of the environment.



Daikin units comply with the European regulations that guarantee the safety of the product.

VRV® products are not within the scope of the Eurovent certification programme.

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