DAIKIN

technical data

air conditioning systems

Concealed Ceiling Unit

FXSQ-P

R-410A

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technical data

air conditioning systems

Concealed Ceiling Unit

FXSQ-P

R-410A

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FXSQ-P7VEB

1 Specifications

1-1 Technical Specifications				FXSQ20P7VEB	FXSQ25P7VEB	FXSQ32P7VEB	FXSQ40P7VEB	FXSQ50P7VEB
Capacity	Cooling		kW	2.2	2.8	3.6	4.5	5.6
	Heating		kW	2.5	3.2	4.0	5.0	6.3
Power Input (50Hz)	Cooling		kW	0.073	0.073	0.079	0.192	0.192
	Heating		kW	0.061	0.061	0.067	0.180	0.180
Power Input (60Hz)	Cooling		kW	0.073	0.073	0.079	0.192	0.192
	Heating		kW	0.061	0.061	0.067	0.180	0.180
Casing	Colour			Non painted				
	Material			Galvanised steel				
Dimensions	Packing	Height	mm	355				
		Width	mm	770	770	770	920	920
		Depth	mm	900				
	Unit	Height	mm	300				
		Width	mm	550	550	550	700	700
		Depth	mm	700				
Weight	Unit		kg	23	23	23	26	26
	Packed Unit		kg	28	28	28	32	32
Required Ceiling Void			mm	>350				
Heat Exchanger	Dimensions	Length	mm	290	290	290	440	440
		Nr of Rows		3				
		Fin Pitch	mm	1.75				
		Nr of Passes		3	3	3	4	4
		Face Area	m²	0.097	0.097	0.097	0.148	0.148
		Nr of Stages		16				
		Empty Tubeplate Hole		12				
	Tube type			Hi-XSS (7)				
	Fin	Fin type		Symmetric waffle louvre				
		Treatment		Hydrophilic				
Fan	Type			Sirocco fan				
	Quantity			1				
Cooling	High	m³/min		9	9	9.5	16	16
	Low	m³/min		6.5	6.5	7	11	11
Heating	High	m³/min		9	9	9.5	16	16
	Low	m³/min		6.5	6.5	7	11	11
Fan	External static pressure	High	Pa	70	70	70	100	100
		Standard	Pa	30				
	Motor	Quantity		1				
		Model		Brushless DC motor				
		Steps		9	9	9	10	10
Motor	Speed (cooling)	High	rpm	1,031	1,031	1,061	1,186	1,186
		Low	rpm	802	802	827	875	875
	Speed (heating)	High	rpm	1,031	1,031	1,061	1,186	1,186
		Low	rpm	802	802	827	875	875
Fan	Motor	Output (high)	W	90	90	90	140	140
		Drive		Direct drive				
Refrigerant	Name			R-410A				
Sound level	Cooling	Sound power (nominal)	dBA	55	55	56	63	63
Cooling	Sound Pressure	High	dBA	32	32	33	37	37
		Low	dBA	26	26	27	29	29
Heating	Sound Pressure	High	dBA	32	32	33	37	37
		Low	dBA	26	26	27	29	29
Piping connections	Liquid (OD)	Type		Flare connection				
		Diameter	mm	6.35				
	Gas	Type		Flare connection				
		Diameter	mm	12.7				
	Drain	Diameter	mm	VP25 (O.D. 32 / I.D. 25)				
	Heat Insulation			Both liquid and gas pipes				

1 Specifications

1-1 Technical Specifications				FXSQ20P7VEB	FXSQ25P7VEB	FXSQ32P7VEB	FXSQ40P7VEB	FXSQ50P7VEB
Decoration Panel	Model			BYBS32DJW1	BYBS32DJW1	BYBS32DJW1	BYBS45DJW1	BYBS45DJW1
	Colour			White (10Y9/0,5)				
	Dimensions	Height	mm	55				
		Width	mm	650	650	650	800	800
		Depth	mm	500				
	Weight		kg	3.0	3.0	3.0	3.5	3.5
Drain-up Height			mm	625				
Air Filter				Resin net with mold resistance				
Refrigerant control				Electronic expansion valve				
Safety devices				PC board fuse				
				PC board fuse (fan driver)				
				Drain pump fuse				
Notes				Nominal cooling capacities are based on : indoor temperature : 27°CDB, 19°CWB, outdoor temperature : 35°CDB, equivalent refrigerant piping : 7.5m, level difference : 0m.				
				Nominal heating capacities are based on : indoor temperature : 20°CDB, outdoor temperature : 7°CDB, 6°CWB, equivalent refrigerant piping : 7.5m, level difference : 0m.				
				Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.				
				The sound pressure values are mentioned for a unit installed with rear suction				

1-1 Technical Specifications				FXSQ63P7VEB	FXSQ80P7VEB	FXSQ100P7VEB	FXSQ125P7VEB	FXSQ140P
Capacity	Cooling		kW	7.1	9.0	11.2	14.0	16.0
	Heating		kW	8.0	10.0	12.5	16.0	18.0
Power Input (50Hz)	Cooling		kW	0.142	0.163	0.247	0.303	0.261
	Heating		kW	0.130	0.151	0.235	0.291	0.249
Power Input (60Hz)	Cooling		kW	0.142	0.163	0.247	0.303	0.261
	Heating		kW	0.130	0.151	0.235	0.291	0.249
Casing	Colour			Non painted				
	Material			Galvanised steel				
Dimensions	Packing	Height	mm	355				
		Width	mm	1,220	1,220	1,620	1,620	1620
		Depth	mm	900				
	Unit	Height	mm	300				
		Width	mm	1,000	1,000	1,400	1,400	1400
		Depth	mm	700				
Weight	Unit		kg	35	35	46	46	47
	Packed Unit		kg	42	42	54	54	55
Required Ceiling Void			mm	>350				
Heat Exchanger	Dimensions	Length	mm	740	740	1,140	1,140	1,140
		Nr of Rows		3				
		Fin Pitch	mm	1.75				1.50
		Nr of Passes		7	7	11	11	11
		Face Area	m²	0.249	0.249	0.383	0.383	0.383
		Nr of Stages		16				
	Tube type			Hi-XSS (7)				
	Fin	Fin type		Symmetric waffle louvre				
		Treatment		Hydrophilic				
Fan	Type			Sirocco fan				
	Quantity			2	2	3	3	3
Cooling	High	m³/min		19.5	25	32	39	46
	Low	m³/min		16	20	23	28	32
Heating	High	m³/min		19.5	25	32	39	46
	Low	m³/min		16	20	23	28	32
Fan	External static pressure	High	Pa	100	100	120	120	140
		Standard	Pa	30	40	40	50	50
	Motor	Quantity		1				
		Model		Brushless DC motor				
		Steps		8				11

1 Specifications

1-1 Technical Specifications				FXSQ63P7VEB	FXSQ80P7VEB	FXSQ100P7VEB	FXSQ125P7VEB	FXSQ140P
Motor	Speed (cooling)	High	rpm	975	1,161	1,060	1,218	1,325
		Low	rpm	840	960	813	920	948
	Speed (heating)	High	rpm	975	1,161	1,060	1,218	1,325
		Low	rpm	840	960	813	920	948
Fan	Motor	Output (high)	W	350				
		Drive		Direct drive				
Refrigerant	Name			R-410A				
Sound level	Cooling	Sound power (nominal)	dBA	59	63	61	66	67
Cooling	Sound Pressure	High	dBA	37	38	38	40	42
		Low	dBA	30	32	32	33	34
Heating	Sound Pressure	High	dBA	37	38	38	40	42
		Low	dBA	30	32	32	33	34
Piping connections	Liquid (OD)	Type		Flare connection				
		Diameter	mm	9.52				
	Gas	Type		Flare connection				
		Diameter	mm	15.9				
	Drain	Diameter	mm	VP25 (O.D. 32 / I.D. 25)				
	Heat Insulation			Both liquid and gas pipes				
Decoration Panel	Model			BYBS71DJW1	BYBS71DJW1	BYBS125DJW1	BYBS125DJW1	BYBS125DJW1
	Colour			White (10Y9/0,5)				
	Dimensions	Height	mm	55				
		Width	mm	1,100	1,100	1,500	1,500	1,500
		Depth	mm	500				
	Weight		kg	4.5	4.5	6.5	6.5	6.5
Drain-up Height			mm	625				
Air Filter				Resin net with mold resistance				
Refrigerant control				Electronic expansion valve				
Safety devices				PC board fuse				
				PC board fuse (fan driver)				
				Drain pump fuse				
Notes				Nominal cooling capacities are based on : indoor temperature : 27°CDB, 19°CWB, outdoor temperature : 35°CDB, equivalent refrigerant piping : 7.5m, level difference : 0m.				
				Nominal heating capacities are based on : indoor temperature : 20°CDB, outdoor temperature : 7°CDB, 6°CWB, equivalent refrigerant piping : 7.5m, level difference : 0m.				
				Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.				
				The sound pressure values are mentioned for a unit installed with rear suction				

1 Specifications

1-2 Electrical Specifications (50Hz)			FXSQ20P7VEB	FXSQ25P7VEB	FXSQ32P7VEB	FXSQ40P7VEB	FXSQ50P7VEB
Power Supply	Name		VE				
	Frequency	Hz	50				
	Voltage	V	220-240				
Current	Minimum circuit amps (MCA)	A	0.4	0.4	0.4	1.2	1.2
	Maximum fuse amps (MFA)	A	16				
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%.				
			Select wire size based on the MCA				
			Instead of a fuse, use a circuit breaker				

1-2 Electrical Specifications (50Hz)			FXSQ63P7VEB	FXSQ80P7VEB	FXSQ100P7VEB	FXSQ125P7VEB	FXSQ140P7VEB
Power Supply	Name		VE				
	Frequency	Hz	50				
	Voltage	V	220-240				
Current	Minimum circuit amps (MCA)	A	1.1	1.3	1.6	2.1	3.1
	Maximum fuse amps (MFA)	A	16				
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%.				
			Select wire size based on the MCA				
			Instead of a fuse, use a circuit breaker				

1-3 Electrical Specifications (60Hz)			FXSQ20P7VEB	FXSQ25P7VEB	FXSQ32P7VEB	FXSQ40P7VEB	FXSQ50P7VEB
Power Supply	Name		VE				
	Frequency	Hz	60				
	Voltage	V	220				
Current	Minimum circuit amps (MCA)	A	0.4	0.4	0.4	1.2	1.2
	Maximum fuse amps (MFA)	A	16				
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%.				
			Select wire size based on the MCA				
			Instead of a fuse, use a circuit breaker				

1-3 Electrical Specifications (60Hz)			FXSQ63P7VEB	FXSQ80P7VEB	FXSQ100P7VEB	FXSQ125P7VEB	FXSQ140P7VEB
Power Supply	Name		VE				
	Frequency	Hz	60				
	Voltage	V	220				
Current	Minimum circuit amps (MCA)	A	1.1	1.3	1.6	2.1	3.1
	Maximum fuse amps (MFA)	A	16				
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%.				
			Select wire size based on the MCA				
			Instead of a fuse, use a circuit breaker				

2 Electrical data

FXSQ-P

Units						Power Supply	
Model	Type	Hz	Volts	Min.	Max.	MCA	MFA
FXSQ20	VE	50/60	220~240V/220V	-10%	+10%	0.4	16
FXSQ25						0.4	16
FXSQ32						0.4	16
FXSQ40						1.2	16
FXSQ50						1.2	16
FXSQ63						1.1	16
FXSQ80						1.3	16
FXSQ100						1.6	16
FXSQ125						2.1	16
FXSQ140						3.1	16

SYMBOLS

MCA : Min.Circuit Amps. (A)
MFA : Max. Fuse Amps. (A) (see note 4)

NOTES

1 Voltage range
Units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.
2 Maximum allowable voltage variation between phases is 2%
3 Select wire size based on the MCA.
4 Instead of a fuse, use a circuit breaker.

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3 Safety device settings

FXSQ20-140P

	Safety devices		20	25	32	40	50	63	80	100	125	140
FXSQ	PC Board Fuse		250V 3.15A	250V 3.15A	250V 3.15A	250V 3.15A	250V 3.15A	250V 3.15A	250V 3.15A	250V 3.15A	250V 3.15A	250V 3.15A
	PC Board Fuse (Fan Driver)		250V 5A	250V 5A	250V 5A	250V 5A	250V 5A	250V 6.3A	250V 6.3A	250V 6.3A	250V 6.3A	250V 6.3A
	Fan Motor Thermal Protector	°C	–	–	–	–	–	–	–	–	–	–
	Drain Pump Fuse	°C	145	145	145	145	145	145	145	145	145	145

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4 Options

FXSQ20-140P

Options

Item	Type	FXSQ20,25,32	FXSQ40,50	FXSQ63,80	FXSQ100,125,140
Panel related	Decoration panel (*5)	BYBS32	BYBS45D	BYBS71D	BYBS125D
Air inlet and air discharge outlet related	Air discharge adapter for round duct	KDAJ25K36A	KDAJ25K56A	KDAJ25KA71A	KDAJ25KA140A
Panel related	Decoration panel option	EKBYBSD			

Operation Control

Item	Type		FXSQ20,25,32	FXSQ40,50	FXSQ63,80	FXSQ100,125,140
Remote Control	Wired Type		BRC1D528 / BRC1E51A			
	Infrared type	HP	BRC4C65			
		CO	BRC4C66			
Simplified remote control			BRC2C51			
Remote control for hotel use			BRC3A61			
Option BCB for external el. heater, humidifier and/or hour meter (*1), (*2), (*3), (*4)			EKRP1B2A			
Adapter for wiring (interlock for fresh air intake fan) (*4)			KRP1C64			
Wiring adapter for electrical appendices (1) (*2), (*4)			KRP2A51			
Wiring adapter for electrical appendices (2) (*4)			KRP4A51			
Remote sensor			KRCS01-4B			
Central remote control			DCS302CA51			
Electrical box with earth terminal (3 blocks)			KJB311A			
Unified ON/OFF control			DCS301BA51			
Electrical box with earth terminal (2 blocks)			KJB212A			
Schedule timer			DST301BA51			
External adapter for outdoor unit (installation on indoor unit) (*4)			DTA104A61			
Mounting plate for adapter PCB			KRP4A96			

NOTES

(*1): Electrical heater and humidifier are field supply. These parts should not be installed inside the equipment (refer to installation manual EKRP1B2A)
(*2): If installing an electrical heater, an option PCB for external heater (EKRP1B2) for each indoor unit is required.
(*3): An electrical heater can not be used for VRV system cooling only.
(*4): Mounting plate KRP4A96 is required for these options. Maximum 2 option PCB's can be mounted.
(*5): Decoration panel option EKBYBSD is required for direct mounting of the decoration panel on the unit.

Contents of accessory bag

Description	Quantity
	FXSQ 20,25,32,40,50,63,80,100,125,140
Hexagon tapping screw (M5x16)	16
Round plain washer for wood	8
Installation and operation manual	1
Hose band	1
Insulation for joint (GAS)	1
Insulation for joint (LIQUID)	1
Drain hose	1
Drain hose sealing material	1
Sealing material	2

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5 Capacity tables

5 - 1 Cooling capacity tables

FXSQ-P

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

Unit size	Outdoor air temp. (°CDB)	Indoor air temperature													
		14.0WB		16.0WB		18.0WB		19.0WB		20.0WB		22.0WB		24.0WB	
		20.0DB		23.0DB		26.0DB		27.0DB		28.0DB		30.0DB		32.0DB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
20	10.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.3	1.9	2.6	2.0	2.8	2.1
	12.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.3	1.9	2.6	2.0	2.7	2.0
	14.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.3	1.9	2.6	2.0	2.7	2.0
	16.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.3	1.9	2.6	2.0	2.7	2.0
	18.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.3	1.9	2.6	2.0	2.6	2.0
	20.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.3	1.9	2.5	1.9	2.6	2.0
	21.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.3	1.9	2.5	1.9	2.6	2.0
	23.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.3	1.9	2.5	1.9	2.5	1.9
	25.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.3	1.9	2.5	1.9	2.5	1.9
	27.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.3	1.9	2.4	1.9	2.5	1.9
	29.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.3	1.9	2.4	1.8	2.4	1.9
	31.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.3	1.9	2.4	1.8	2.4	1.8
	33.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.3	1.9	2.3	1.8	2.4	1.8
	35.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.2	1.9	2.3	1.8	2.3	1.8
	37.0	1.5	1.5	1.8	1.8	2.1	1.9	2.2	1.9	2.2	1.8	2.2	1.7	2.3	1.8
	39.0	1.5	1.5	1.8	1.8	2.1	1.9	2.1	1.9	2.2	1.8	2.2	1.7	2.3	1.8
25	10.0	1.9	1.8	2.3	2.0	2.6	2.3	2.8	2.3	3.0	2.3	3.3	2.4	3.5	2.4
	12.0	1.9	1.8	2.3	2.0	2.6	2.3	2.8	2.3	3.0	2.3	3.3	2.4	3.5	2.4
	14.0	1.9	1.8	2.3	2.0	2.6	2.3	2.8	2.3	3.0	2.3	3.3	2.4	3.4	2.4
	16.0	1.9	1.8	2.3	2.0	2.6	2.3	2.8	2.3	3.0	2.3	3.3	2.4	3.4	2.4
	18.0	1.9	1.8	2.3	2.0	2.6	2.3	2.8	2.3	3.0	2.3	3.3	2.4	3.4	2.4
	20.0	1.9	1.8	2.3	2.0	2.6	2.3	2.8	2.3	3.0	2.3	3.2	2.3	3.3	2.3
	21.0	1.9	1.8	2.3	2.0	2.6	2.3	2.8	2.3	3.0	2.3	3.2	2.3	3.3	2.3
	23.0	1.9	1.8	2.3	2.0	2.6	2.3	2.8	2.3	3.0	2.3	3.2	2.3	3.2	2.3
	25.0	1.9	1.8	2.3	2.0	2.6	2.3	2.8	2.3	3.0	2.3	3.1	2.3	3.2	2.3
	27.0	1.9	1.8	2.3	2.0	2.6	2.3	2.8	2.3	3.0	2.3	3.1	2.2	3.2	2.3
	29.0	1.9	1.8	2.3	2.0	2.6	2.3	2.8	2.3	3.0	2.3	3.0	2.2	3.1	2.2
	31.0	1.9	1.8	2.3	2.0	2.6	2.3	2.8	2.3	2.9	2.3	3.0	2.2	3.1	2.2
	33.0	1.9	1.8	2.3	2.0	2.6	2.3	2.8	2.3	2.9	2.3	2.9	2.2	3.0	2.2
	35.0	1.9	1.8	2.3	2.0	2.6	2.3	2.8	2.3	2.8	2.2	2.9	2.1	3.0	2.2
	37.0	1.9	1.8	2.3	2.0	2.6	2.3	2.8	2.3	2.8	2.2	2.9	2.1	2.9	2.1
	39.0	1.9	1.8	2.3	2.0	2.6	2.3	2.7	2.2	2.7	2.2	2.8	2.1	2.9	2.1
32	10.0	2.4	2.2	2.9	2.5	3.4	2.8	3.6	2.9	3.8	2.9	4.3	3.0	4.6	3.0
	12.0	2.4	2.2	2.9	2.5	3.4	2.8	3.6	2.9	3.8	2.9	4.3	3.0	4.5	3.0
	14.0	2.4	2.2	2.9	2.5	3.4	2.8	3.6	2.9	3.8	2.9	4.3	3.0	4.4	3.0
	16.0	2.4	2.2	2.9	2.5	3.4	2.8	3.6	2.9	3.8	2.9	4.3	3.0	4.4	3.0
	18.0	2.4	2.2	2.9	2.5	3.4	2.8	3.6	2.9	3.8	2.9	4.2	3.0	4.3	2.9
	20.0	2.4	2.2	2.9	2.5	3.4	2.8	3.6	2.9	3.8	2.9	4.2	2.9	4.3	2.9
	21.0	2.4	2.2	2.9	2.5	3.4	2.8	3.6	2.9	3.8	2.9	4.1	2.9	4.2	2.9
	23.0	2.4	2.2	2.9	2.5	3.4	2.8	3.6	2.9	3.8	2.9	4.1	2.9	4.2	2.9
	25.0	2.4	2.2	2.9	2.5	3.4	2.8	3.6	2.9	3.8	2.9	4.0	2.9	4.1	2.8
	27.0	2.4	2.2	2.9	2.5	3.4	2.8	3.6	2.9	3.8	2.9	4.0	2.8	4.1	2.8
	29.0	2.4	2.2	2.9	2.5	3.4	2.8	3.6	2.9	3.8	2.9	3.9	2.8	4.0	2.8
	31.0	2.4	2.2	2.9	2.5	3.4	2.8	3.6	2.9	3.8	2.9	3.8	2.8	3.9	2.7
	33.0	2.4	2.2	2.9	2.5	3.4	2.8	3.6	2.9	3.7	2.8	3.8	2.7	3.9	2.7
	35.0	2.4	2.2	2.9	2.5	3.4	2.8	3.6	2.9	3.6	2.8	3.7	2.7	3.8	2.7
	37.0	2.4	2.2	2.9	2.5	3.4	2.8	3.5	2.8	3.6	2.8	3.7	2.7	3.8	2.7
	39.0	2.4	2.2	2.9	2.5	3.4	2.8	3.5	2.8	3.5	2.7	3.6	2.6	3.7	2.6
40	10.0	3.0	2.9	3.6	3.4	4.2	3.8	4.5	3.8	4.8	3.8	5.4	3.9	5.7	4.0
	12.0	3.0	2.9	3.6	3.4	4.2	3.8	4.5	3.8	4.8	3.8	5.4	3.9	5.6	4.0
	14.0	3.0	2.9	3.6	3.4	4.2	3.8	4.5	3.8	4.8	3.8	5.4	3.9	5.5	4.0
	16.0	3.0	2.9	3.6	3.4	4.2	3.8	4.5	3.8	4.8	3.8	5.4	3.9	5.5	3.9
	18.0	3.0	2.9	3.6	3.4	4.2	3.8	4.5	3.8	4.8	3.8	5.3	3.9	5.4	3.9
	20.0	3.0	2.9	3.6	3.4	4.2	3.8	4.5	3.8	4.8	3.8	5.2	3.8	5.3	3.9
	21.0	3.0	2.9	3.6	3.4	4.2	3.8	4.5	3.8	4.8	3.8	5.2	3.8	5.3	3.8
	23.0	3.0	2.9	3.6	3.4	4.2	3.8	4.5	3.8	4.8	3.8	5.1	3.8	5.2	3.8
	25.0	3.0	2.9	3.6	3.4	4.2	3.8	4.5	3.8	4.8	3.8	5.0	3.7	5.1	3.8
	27.0	3.0	2.9	3.6	3.4	4.2	3.8	4.5	3.8	4.8	3.8	5.0	3.7	5.1	3.7
	29.0	3.0	2.9	3.6	3.4	4.2	3.8	4.5	3.8	4.8	3.8	4.9	3.7	5.0	3.7
	31.0	3.0	2.9	3.6	3.4	4.2	3.8	4.5	3.8	4.7	3.8	4.8	3.6	4.9	3.6
	33.0	3.0	2.9	3.6	3.4	4.2	3.8	4.5	3.8	4.6	3.7	4.7	3.6	4.8	3.6
	35.0	3.0	2.9	3.6	3.4	4.2	3.8	4.5	3.8	4.6	3.7	4.7	3.5	4.8	3.6
	37.0	3.0	2.9	3.6	3.4	4.2	3.8	4.4	3.8	4.5	3.6	4.6	3.5	4.7	3.5
	39.0	3.0	2.9	3.6	3.4	4.2	3.8	4.4	3.7	4.4	3.6	4.5	3.4	4.6	3.5
50	10.0	3.8	3.6	4.5	3.9	5.2	3.8	5.6	4.4	6.0	4.5	6.7	4.1	7.1	4.7
	12.0	3.8	3.6	4.5	3.9	5.2	3.8	5.6	4.4	6.0	4.5	6.7	4.1	7.0	4.7
	14.0	3.8	3.6	4.5	3.9	5.2	3.8	5.6	4.4	6.0	4.5	6.7	4.1	6.9	4.6
	16.0	3.8	3.6	4.5	3.9	5.2	3.8	5.6	4.4	6.0	4.5	6.7	4.1	6.8	4.6
	18.0	3.8	3.6	4.5	3.9	5.2	3.8	5.6	4.4	6.0	4.5	6.6	4.1	6.7	4.5
	20.0	3.8	3.6	4.5	3.9	5.2	3.8	5.6	4.4	6.0	4.5	6.5	4.0	6.6	4.5
	21.0	3.8	3.6	4.5	3.9	5.2	3.8	5.6	4.4	6.0	4.5	6.4	4.0	6.6	4.5
	23.0	3.8	3.6	4.5	3.9	5.2	3.8	5.6	4.4	6.0	4.5	6.4	4.0	6.5	4.4
	25.0	3.8	3.6	4.5	3.9	5.2	3.8	5.6	4.4	6.0	4.5	6.3	3.9	6.4	4.4
	27.0	3.8	3.6	4.5	3.9	5.2	3.8	5.6	4.4	6.0	4.5	6.2	3.9	6.3	4.3
	29.0	3.8	3.6	4.5	3.9	5.2	3.8	5.6	4.4	5.9	4.5	6.1	3.8	6.2	4.3
	31.0	3.8	3.6	4.5	3.9	5.2	3.8	5.6	4.4	5.9	4.4	6.0	3.8	6.1	4.3
	33.0	3.8	3.6	4.5	3.9	5.2	3.8	5.6	4.4	5.8	4.4	5.9	3.8	6.0	4.2
	35.0	3.8	3.6	4.5	3.9	5.2	3.8	5.6	4.4	5.7	4.3	5.8	3.7	5.9	4.2
	37.0	3.8	3.6	4.5	3.9	5.2	3.8	5.5	4.4	5.6	4.3	5.7	3.7	5.9	4.1
	39.0	3.8	3.6	4.5	3.9	5.2	3.8	5.4	4.3	5.5	4.2	5.6	3.6	5.8	4.1

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5 Capacity tables

5 - 1 Cooling capacity tables

FXSQ-P

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

Unit size	Outdoor air temp. (°CDB)	Indoor air temperature													
		14.0WB		16.0WB		18.0WB		19.0WB		20.0WB		22.0WB		24.0WB	
		20.0DB		23.0DB		26.0DB		27.0DB		28.0DB		30.0DB		32.0DB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
63	10.0	4.8	4.2	5.7	4.9	6.6	5.4	7.1	5.5	7.6	5.6	8.5	5.8	9.0	6.4
	12.0	4.8	4.2	5.7	4.9	6.6	5.4	7.1	5.5	7.6	5.6	8.5	5.8	8.9	6.3
	14.0	4.8	4.2	5.7	4.9	6.6	5.4	7.1	5.5	7.6	5.6	8.5	5.8	8.7	6.3
	16.0	4.8	4.2	5.7	4.9	6.6	5.4	7.1	5.5	7.6	5.6	8.5	5.8	8.6	6.3
	18.0	4.8	4.2	5.7	4.9	6.6	5.4	7.1	5.5	7.6	5.6	8.3	5.8	8.5	6.2
	20.0	4.8	4.2	5.7	4.9	6.6	5.4	7.1	5.5	7.6	5.6	8.2	5.7	8.4	6.2
	21.0	4.8	4.2	5.7	4.9	6.6	5.4	7.1	5.5	7.6	5.6	8.2	5.7	8.3	6.2
	23.0	4.8	4.2	5.7	4.9	6.6	5.4	7.1	5.5	7.6	5.6	8.1	5.6	8.2	6.1
	25.0	4.8	4.2	5.7	4.9	6.6	5.4	7.1	5.5	7.6	5.6	7.9	5.6	8.1	6.1
	27.0	4.8	4.2	5.7	4.9	6.6	5.4	7.1	5.5	7.6	5.6	7.8	5.5	8.0	6.1
	29.0	4.8	4.2	5.7	4.9	6.6	5.4	7.1	5.5	7.5	5.6	7.7	5.4	7.9	6.0
	31.0	4.8	4.2	5.7	4.9	6.6	5.4	7.1	5.5	7.4	5.5	7.6	5.4	7.8	6.0
	33.0	4.8	4.2	5.7	4.9	6.6	5.4	7.1	5.5	7.3	5.5	7.5	5.3	7.6	5.9
	35.0	4.8	4.2	5.7	4.9	6.6	5.4	7.1	5.5	7.2	5.4	7.4	5.3	7.5	5.9
	37.0	4.8	4.2	5.7	4.9	6.6	5.4	7.0	5.5	7.1	5.4	7.2	5.2	7.4	5.9
	39.0	4.8	4.2	5.7	4.9	6.6	5.4	6.9	5.4	7.0	5.3	7.1	5.1	7.3	5.8
80	10.0	6.1	5.3	7.2	6.1	8.4	6.9	9.0	7.0	9.6	7.1	10.8	7.4	11.4	7.4
	12.0	6.1	5.3	7.2	6.1	8.4	6.9	9.0	7.0	9.6	7.1	10.8	7.4	11.2	7.4
	14.0	6.1	5.3	7.2	6.1	8.4	6.9	9.0	7.0	9.6	7.1	10.8	7.4	11.1	7.3
	16.0	6.1	5.3	7.2	6.1	8.4	6.9	9.0	7.0	9.6	7.1	10.7	7.4	10.9	7.2
	18.0	6.1	5.3	7.2	6.1	8.4	6.9	9.0	7.0	9.6	7.1	10.6	7.3	10.8	7.2
	20.0	6.1	5.3	7.2	6.1	8.4	6.9	9.0	7.0	9.6	7.1	10.4	7.2	10.6	7.1
	21.0	6.1	5.3	7.2	6.1	8.4	6.9	9.0	7.0	9.6	7.1	10.4	7.2	10.6	7.1
	23.0	6.1	5.3	7.2	6.1	8.4	6.9	9.0	7.0	9.6	7.1	10.2	7.1	10.4	7.0
	25.0	6.1	5.3	7.2	6.1	8.4	6.9	9.0	7.0	9.6	7.1	10.1	7.0	10.3	6.9
	27.0	6.1	5.3	7.2	6.1	8.4	6.9	9.0	7.0	9.6	7.1	9.9	7.0	10.1	6.9
	29.0	6.1	5.3	7.2	6.1	8.4	6.9	9.0	7.0	9.5	7.1	9.8	6.9	10.0	6.8
	31.0	6.1	5.3	7.2	6.1	8.4	6.9	9.0	7.0	9.4	7.0	9.6	6.8	9.8	6.7
	33.0	6.1	5.3	7.2	6.1	8.4	6.9	9.0	7.0	9.3	7.0	9.5	6.7	9.7	6.7
	35.0	6.1	5.3	7.2	6.1	8.4	6.9	9.0	7.0	9.1	6.9	9.3	6.6	9.5	6.6
	37.0	6.1	5.3	7.2	6.1	8.4	6.9	8.9	6.9	9.0	6.8	9.2	6.6	9.4	6.5
	39.0	6.1	5.3	7.2	6.1	8.4	6.9	8.7	6.8	8.8	6.7	9.0	6.5	9.3	6.5
100	10.0	7.6	6.4	9.0	7.3	10.5	8.3	11.2	8.5	11.9	8.7	13.4	9.0	14.2	8.9
	12.0	7.6	6.4	9.0	7.3	10.5	8.3	11.2	8.5	11.9	8.7	13.4	9.0	14.0	8.9
	14.0	7.6	6.4	9.0	7.3	10.5	8.3	11.2	8.5	11.9	8.7	13.4	9.0	13.8	8.8
	16.0	7.6	6.4	9.0	7.3	10.5	8.3	11.2	8.5	11.9	8.7	13.3	9.0	13.6	8.7
	18.0	7.6	6.4	9.0	7.3	10.5	8.3	11.2	8.5	11.9	8.7	13.2	8.9	13.4	8.6
	20.0	7.6	6.4	9.0	7.3	10.5	8.3	11.2	8.5	11.9	8.7	13.0	8.8	13.2	8.5
	21.0	7.6	6.4	9.0	7.3	10.5	8.3	11.2	8.5	11.9	8.7	12.9	8.8	13.2	8.5
	23.0	7.6	6.4	9.0	7.3	10.5	8.3	11.2	8.5	11.9	8.7	12.7	8.7	13.0	8.4
	25.0	7.6	6.4	9.0	7.3	10.5	8.3	11.2	8.5	11.9	8.7	12.5	8.6	12.8	8.3
	27.0	7.6	6.4	9.0	7.3	10.5	8.3	11.2	8.5	11.9	8.7	12.3	8.5	12.6	8.2
	29.0	7.6	6.4	9.0	7.3	10.5	8.3	11.2	8.5	11.9	8.6	12.2	8.4	12.4	8.1
	31.0	7.6	6.4	9.0	7.3	10.5	8.3	11.2	8.5	11.7	8.6	12.0	8.3	12.2	8.0
	33.0	7.6	6.4	9.0	7.3	10.5	8.3	11.2	8.5	11.5	8.5	11.8	8.2	12.1	7.9
	35.0	7.6	6.4	9.0	7.3	10.5	8.3	11.2	8.5	11.3	8.4	11.6	8.1	11.9	7.8
	37.0	7.6	6.4	9.0	7.3	10.5	8.3	11.0	8.4	11.2	8.3	11.4	8.0	11.7	7.7
	39.0	7.6	6.4	9.0	7.3	10.5	8.3	10.8	8.3	11.0	8.2	11.2	7.9	11.5	7.6
125	10.0	9.5	7.8	11.3	8.9	13.1	9.6	14.0	9.9	14.9	10.3	16.8	10.7	18.4	11.0
	12.0	9.5	7.8	11.3	8.9	13.1	9.6	14.0	9.9	14.9	10.3	16.8	10.7	18.2	10.9
	14.0	9.5	7.8	11.3	8.9	13.1	9.6	14.0	9.9	14.9	10.3	16.8	10.7	18.0	10.7
	16.0	9.5	7.8	11.3	8.9	13.1	9.6	14.0	9.9	14.9	10.3	16.8	10.7	17.7	10.6
	18.0	9.5	7.8	11.3	8.9	13.1	9.6	14.0	9.9	14.9	10.3	16.8	10.7	17.5	10.4
	20.0	9.5	7.8	11.3	8.9	13.1	9.6	14.0	9.9	14.9	10.3	16.8	10.7	17.2	10.3
	21.0	9.5	7.8	11.3	8.9	13.1	9.6	14.0	9.9	14.9	10.3	16.8	10.7	17.1	10.2
	23.0	9.5	7.8	11.3	8.9	13.1	9.6	14.0	9.9	14.9	10.3	16.5	10.6	16.9	10.1
	25.0	9.5	7.8	11.3	8.9	13.1	9.6	14.0	9.9	14.9	10.3	16.3	10.4	16.6	10.0
	27.0	9.5	7.8	11.3	8.9	13.1	9.6	14.0	9.9	14.9	10.3	16.1	10.3	16.4	9.9
	29.0	9.5	7.8	11.3	8.9	13.1	9.6	14.0	9.9	14.9	10.3	15.8	10.1	16.2	9.8
	31.0	9.5	7.8	11.3	8.9	13.1	9.6	14.0	9.9	14.9	10.3	15.6	10.0	15.9	9.6
	33.0	9.5	7.8	11.3	8.9	13.1	9.6	14.0	9.9	14.9	10.3	15.3	9.9	15.7	9.5
	35.0	9.5	7.8	11.3	8.9	13.1	9.6	14.0	9.9	14.8	10.2	15.1	9.8	15.4	9.4
	37.0	9.5	7.8	11.3	8.9	13.1	9.6	14.0	9.9	14.5	10.1	14.9	9.7	15.2	9.3
	39.0	9.5	7.8	11.3	8.9	13.1	9.6	14.0	10.0	14.3	9.9	14.6	9.6	15.0	9.2
140	10.0	10.8	9.0	12.9	10.4	15.0	11.7	16.0	12.0	17.0	12.3	19.1	12.7	20.2	12.6
	12.0	10.8	9.0	12.9	10.4	15.0	11.7	16.0	12.0	17.0	12.3	19.1	12.7	20.0	12.5
	14.0	10.8	9.0	12.9	10.4	15.0	11.7	16.0	12.0	17.0	12.3	19.1	12.7	19.7	12.4
	16.0	10.8	9.0	12.9	10.4	15.0	11.7	16.0	12.0	17.0	12.3	19.1	12.7	19.4	12.3
	18.0	10.8	9.0	12.9	10.4	15.0	11.7	16.0	12.0	17.0	12.3	18.8	12.6	19.2	12.2
	20.0	10.8	9.0	12.9	10.4	15.0	11.7	16.0	12.0	17.0	12.3	18.5	12.4	18.9	12.1
	21.0	10.8	9.0	12.9	10.4	15.0	11.7	16.0	12.0	17.0	12.3	18.4	12.4	18.8	12.1
	23.0	10.8	9.0	12.9	10.4	15.0	11.7	16.0	12.0	17.0	12.3	18.1	12.3	18.5	12.0
	25.0	10.8	9.0	12.9	10.4	15.0	11.7	16.0	12.0	17.0	12.3	17.9	12.1	18.3	11.9
	27.0	10.8	9.0	12.9	10.4	15.0	11.7	16.0	12.0	17.0	12.3	17.6	12.0	18.0	11.8
	29.0	10.8	9.0	12.9	10.4	15.0	11.7	16.0	12.0	17.0	12.3	17.4	11.9	17.8	11.7
	31.0	10.8	9.0	12.9	10.4	15.0	11.7	16.0	12.0	16.7	12.1	17.1	11.8	17.5	11.6
	33.0	10.8	9.0	12.9	10.4	15.0	11.7	16.0	12.0	16.5	12.0	16.8	11.7	17.2	11.5
	35.0	10.8	9.0	12.9	10.4	15.0	11.7	16.0	12.0	16.2	11.9	16.6	11.5	17.0	11.3
	37.0	10.8	9.0	12.9	10.4	15.0	11.7	15.7	11.9	15.9	11.7	16.3	11.4	16.7	11.2
	39.0	10.8	9.0	12.9	10.4	15.0	11.7	15.5	11.8	15.7	11.6	16.1	11.3	16.5	11.1

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5 Capacity tables

5 - 2 Heating capacity tables

FXSQ-P

Unit Size	Outdoor air temp.		Indoor air temperature: °CDB					
			16.0	18.0	20.0	21.0	22.0	24.0
	°CDB	°CWB	kW	kW	kW	kW	kW	kW
20	-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	-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	2.2
	-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	2.5	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	2.8
	15.0	13.7	3.6	3.4	3.2	3.1	3.0	2.8
32	-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	2.9	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	-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	-17.0	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	5.3	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
50	-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	4.3	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
	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

3TW25512-2A

5 Capacity tables

5 - 2 Heating capacity tables

FXSQ-P

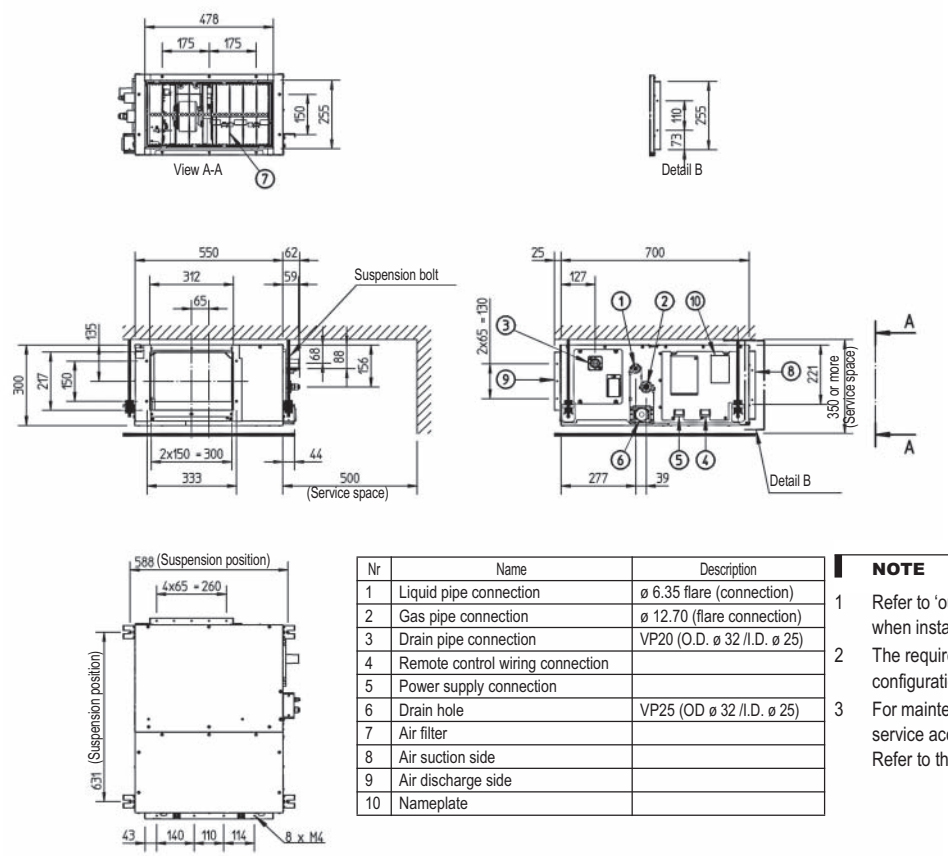
Unit size	Outdoor air temp.		Indoor air temperature: °CDB					
			16.0	18.0	20.0	21.0	22.0	24.0
	°CDB	°CWB	kW	kW	kW	kW	kW	kW
63	-19.8	-20.0	4.7	4.7	4.7	4.7	4.7	4.7
	-18.8	-19.0	4.9	4.9	4.8	4.8	4.8	4.8
	-16.7	-17.0	5.1	5.1	5.1	5.1	5.1	5.1
	-14.7	-15.0	5.4	5.4	5.4	5.4	5.4	5.4
	-12.6	-13.0	5.7	5.7	5.7	5.7	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
	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
80	-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	8.5	8.4	8.4	8.4	8.4	8.4
	-3.0	-3.7	8.8	8.8	8.8	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
	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
100	-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
	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
125	-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	9.7	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	10.8
	-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
140	-19.8	-20.0	10.6	10.6	10.6	10.6	10.5	10.5
	-18.8	-19.0	10.9	10.9	10.9	10.9	10.9	10.8
	-16.7	-17.0	11.6	11.6	11.5	11.5	11.5	11.5
	-13.7	-15.0	12.2	12.2	12.2	12.1	12.1	12.1
	-11.8	-13.0	12.9	12.8	12.8	12.8	12.8	12.7
	-9.8	-11.0	13.5	13.5	13.4	13.4	13.4	13.4
	-9.5	-10.0	13.8	13.8	13.7	13.7	13.7	13.7
	-8.5	-9.1	14.1	14.1	14.0	14.0	14.0	14.0
	-7.0	-7.6	14.6	14.5	14.5	14.5	14.5	14.4
	-5.0	-5.6	15.2	15.2	15.1	15.1	15.1	15.1
	-3.0	-3.7	15.8	15.8	15.8	15.7	15.7	15.7
	0.0	-0.7	16.8	16.7	16.7	16.7	16.7	15.7
	3.0	2.2	17.7	17.7	17.6	17.4	16.8	15.7
	5.0	4.1	18.3	18.3	18.0	17.4	16.8	15.7
	7.0	6.0	18.9	18.9	18.0	17.4	16.8	15.7
	9.0	7.9	19.5	19.2	18.0	17.4	16.8	15.7
	11.0	9.8	20.1	19.2	18.0	17.4	16.8	15.7
	13.0	11.8	20.3	19.2	18.0	17.4	16.8	15.7
	15.0	13.7	20.3	19.2	18.0	17.4	16.8	15.7

3TW25512-2A

6 Dimensional drawing & centre of gravity

6 - 1 Dimensional drawing

FXSQ20-32P



Nr	Name	Description
1	Liquid pipe connection	ø 6.35 flare (connection)
2	Gas pipe connection	ø 12.70 (flare connection)
3	Drain pipe connection	VP20 (O.D. ø 32 /I.D. ø 25)
4	Remote control wiring connection	
5	Power supply connection	
6	Drain hole	VP25 (OD ø 32 /I.D. ø 25)
7	Air filter	
8	Air suction side	
9	Air discharge side	
10	Nameplate	

NOTE

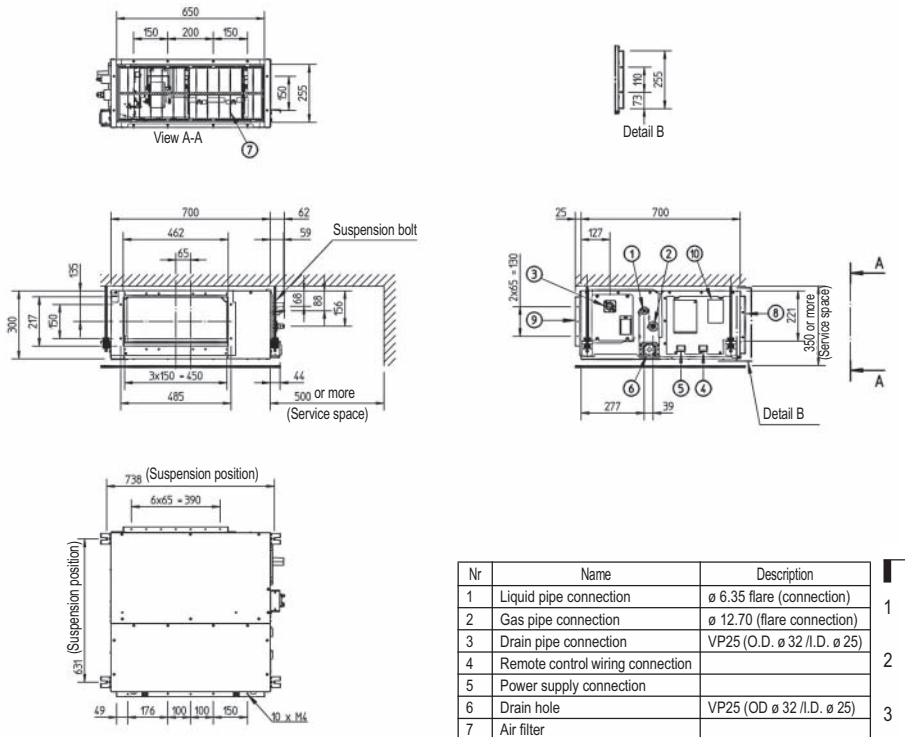
1 Refer to 'outlook drawing for installing optional accessories' when installing optional accessories.

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

3 For maintenance of the air filter, it is necessary to provide a service access panel.
Refer to the 'filter installation method' drawing.

3TW31184-1A

FXSQ40-50P



Nr	Name	Description
1	Liquid pipe connection	ø 6.35 flare (connection)
2	Gas pipe connection	ø 12.70 (flare connection)
3	Drain pipe connection	VP25 (O.D. ø 32 /I.D. ø 25)
4	Remote control wiring connection	
5	Power supply connection	
6	Drain hole	VP25 (OD ø 32 /I.D. ø 25)
7	Air filter	
8	Air suction side	
9	Air discharge side	
10	Nameplate	

NOTE

1 Refer to 'outlook drawing for installing optional accessories' when installing optional accessories.

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

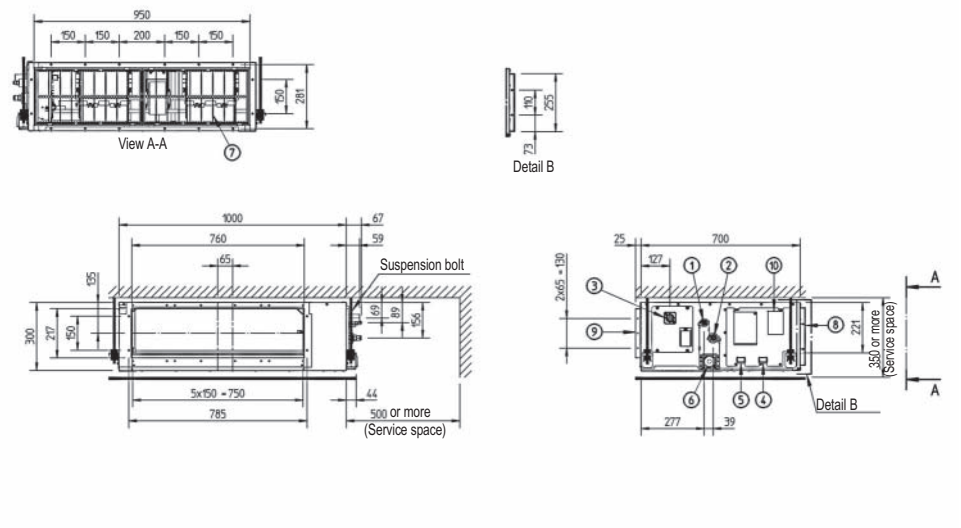
3 For maintenance of the air filter, it is necessary to provide a service access panel.
Refer to the 'filter installation method' drawing.

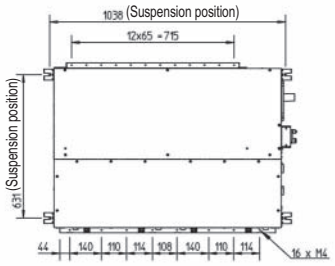
3TW31214-1A

6 Dimensional drawing & centre of gravity

6 - 1 Dimensional drawing

FXSQ63-80P





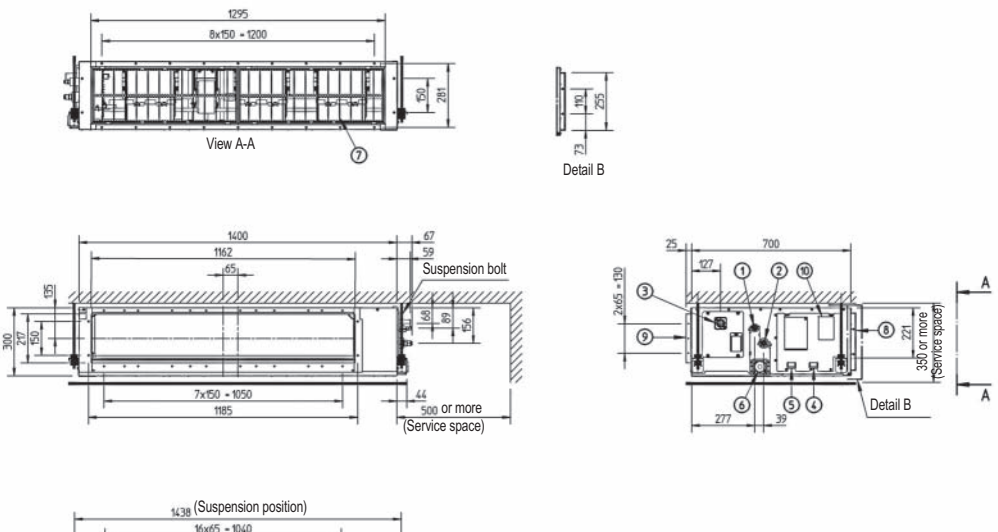
Nr	Name	Description
1	Liquid pipe connection	ø 9.52 flare (connection)
2	Gas pipe connection	ø 15.90 (flare connection)
3	Drain pipe connection	VP25 (O.D. ø 32 /I.D. ø 25)
4	Remote control wiring connection	
5	Power supply connection	
6	Drain hole	VP25 (OD ø 32 /I.D. ø 25)
7	Air filter	
8	Air suction side	
9	Air discharge side	
10	Nameplate	

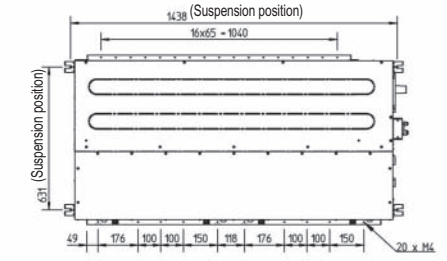
NOTE

1 Refer to 'outlook drawing for installing optional accessories' when installing optional accessories.
2 The required ceiling depth varies according to the configuration of the specific system.
3 For maintenance of the air filter, it is necessary to provide a service access panel.
Refer to the 'filter installation method' drawing.

3TW31234-1A

FXSQ100-140P





Nr	Name	Description
1	Liquid pipe connection	ø 9.52 flare (connection)
2	Gas pipe connection	ø 15.90 (flare connection)
3	Drain pipe connection	VP25 (O.D. ø 32 /I.D. ø 25)
4	Remote control wiring connection	
5	Power supply connection	
6	Drain hole	VP25 (OD ø 32 /I.D. ø 25)
7	Air filter	
8	Air suction side	
9	Air discharge side	
10	Nameplate	

NOTE

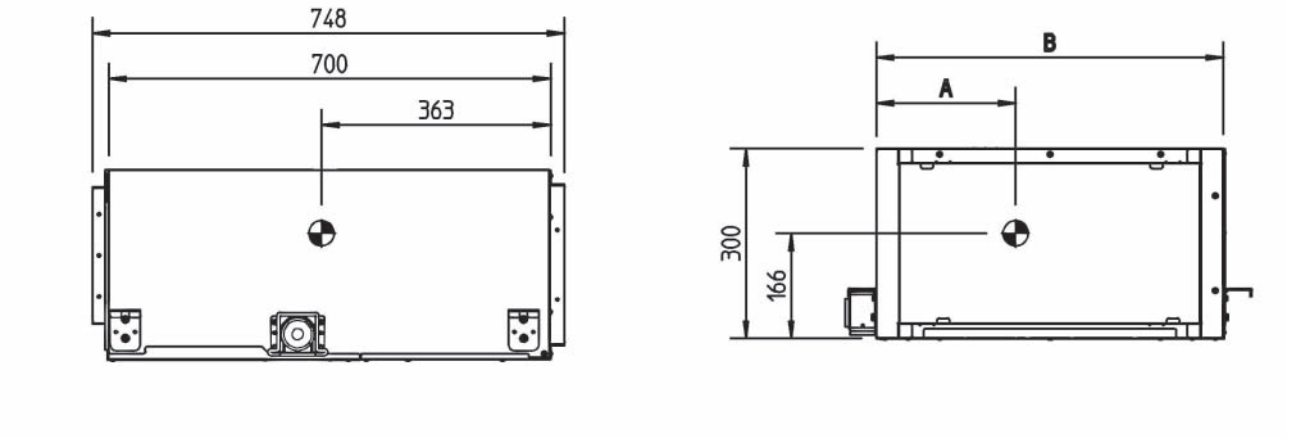
1 Refer to 'outlook drawing for installing optional accessories' when installing optional accessories.
2 The required ceiling depth varies according to the configuration of the specific system.
3 For maintenance of the air filter, it is necessary to provide a service access panel.
Refer to the 'filter installation method' drawing.

3TW31254-1A

6 Dimensional drawing & centre of gravity

6 - 1 Dimensional drawing

FXSQ-P

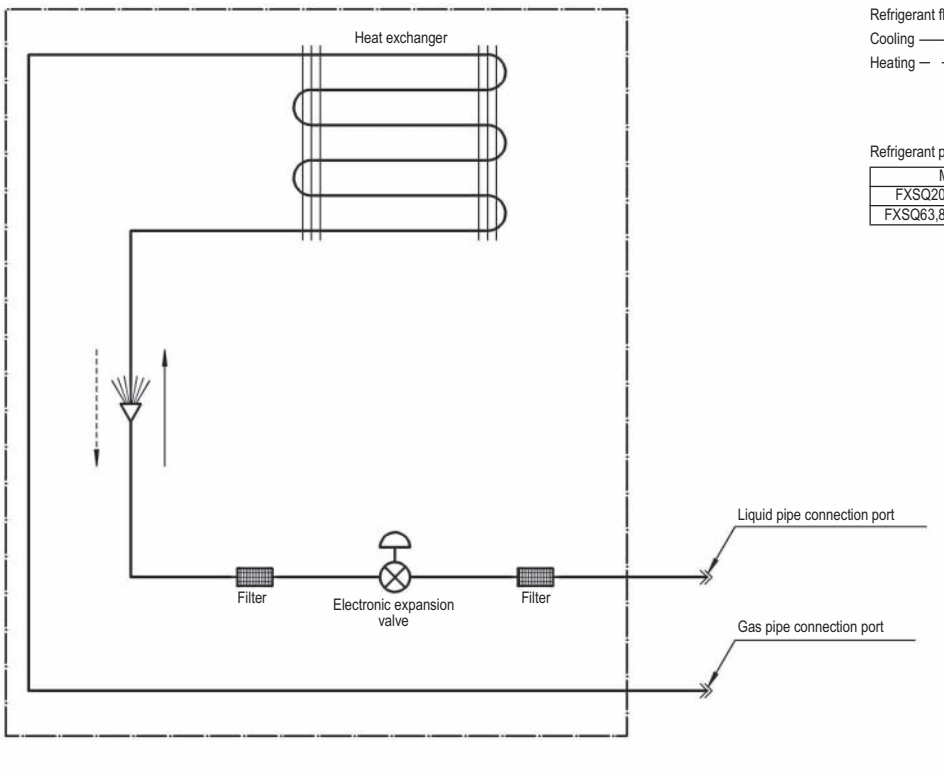


Model	A	B
FXSQ20~32	220	550
FXSQ40,50	283	700
FXSQ63,80	441	1000
FXSQ100,125,140	619	1400

4TW31189-1B

7 Piping diagram

FXSQ20-140P



Refrigerant flow
Cooling ——►
Heating – — ►

Refrigerant pipe connection port diameters

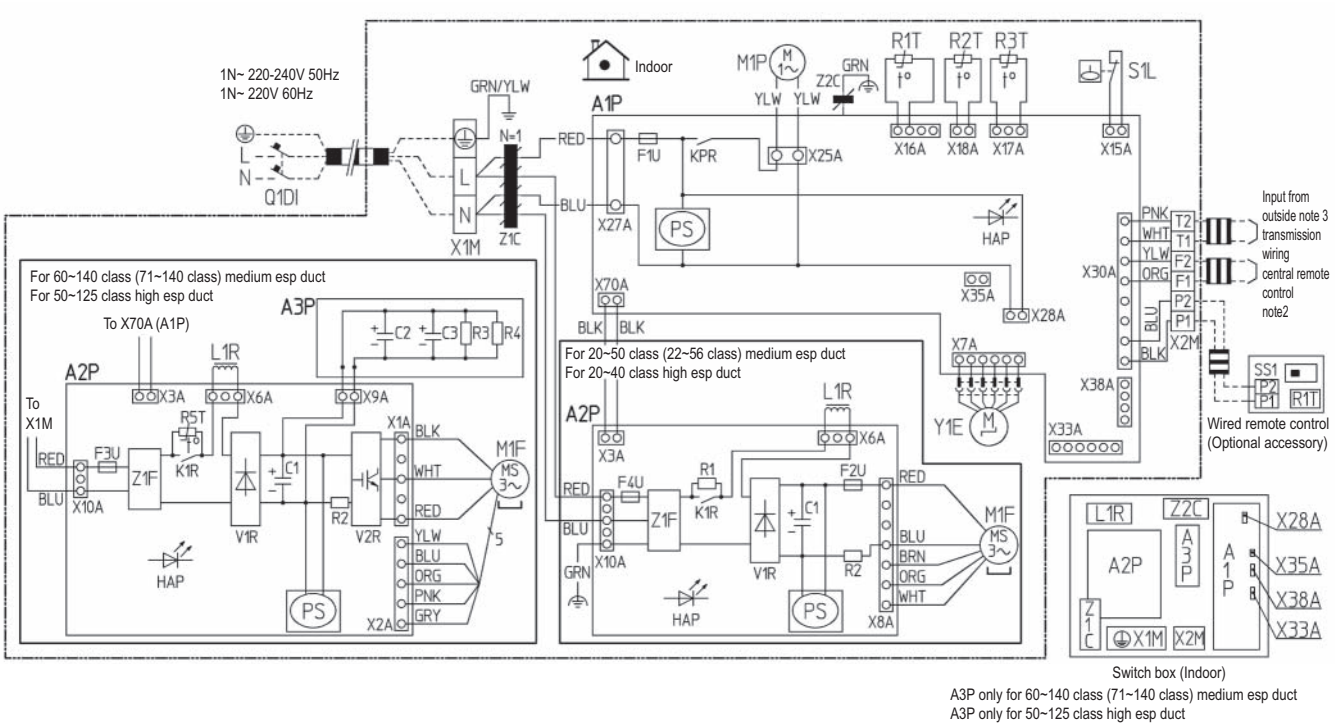
Model	Gas	Liquid
FXSQ20,25,32,40,50	Ø12.70	Ø6.35
FXSQ63,80,100,125,140	Ø15.90	Ø9.52

3TW31185-1A

8 Wiring diagram

8 - 1 Wiring diagram

FXSQ-P



Indoor Unit		R2T	Thermistor (Liquid)
A1P	Printed circuit board	R3T	Thermistor (Gas)
A2P	Printed circuit board (Fan)	R5T	Thermistor NTC (Current limiting)
A3P	Printed circuit board (Capacitor)	S1L	Float switch
C1,C2,C3	Capacitor	V1R	Diode bridge
F1U	Fuse (T, 3.15A, 250V)	V2R	Power module
F2U	Fuse (T, 5A, 250V)	X1M	Terminal strip (Power supply)
F3U	Fuse (T, 6.3A, 250V)	X2M	Terminal strip (Control)
F4U	Fuse (T, 6.3A, 250V)	Y1E	Electronic expansion valve
HAP	Light emitting diode (Service monitor-green)	Z1C, Z2C	Noise filter (Ferrite core)
KPR, K1R	Magnetic relay	Z1F	Noise filter
L1R	Reactor	Connector optional accessory	
M1F	Motor fan	X28A	Connector (Power supply for wiring)
M1P	Motor (Drain pump)	X33A	Connector (For wiring)
PS	Switching power supply	X35A	Connector (Adapter)
Q1DI	Earth leak detector	X38A	Connector (For wiring)
R1	Resistor (Current limiting)	Wired remote control	
R2	Current sensing device	R1T	Thermistor (Air)
R3, R4	Resistor (Electric discharge)	SS1	Selector switch (Main/sub)
R1T	Thermistor (Suction air)		

	: Field wiring	Colors:	BLK	Black	PNK	Pink
L	: Live		BLU	Blue	RED	Red
N	: Neutral		BRN	Brown	WHT	White
	: Connector		GRY	Grey	YLW	Yellow
•	: Wire clamp		ORG	Orange	GRN	Green
	: Protective earth (screw)					

2TW32656-1

NOTES

1 Use copper conductors only.

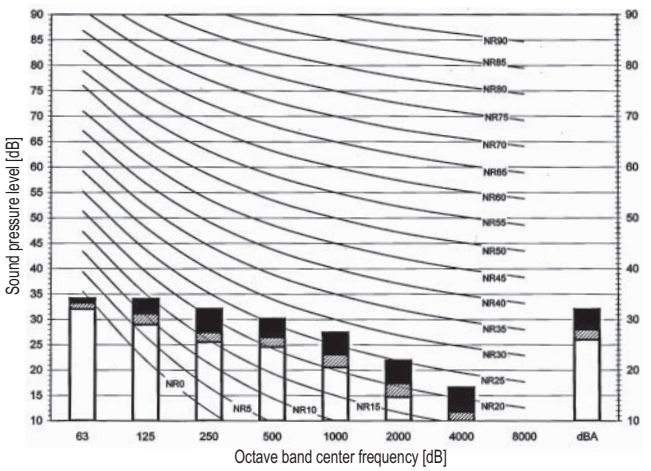
2 When using the central remote control, see manual for connection to the unit.

3 When connecting the input wires from outside, forced 'off' or 'on/off' operation can be selected by the remote control. See installation manual for more details.

9 Sound data

9 - 1 Sound pressure spectrum

FXSQ20-25P

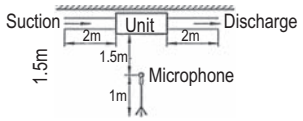


High-tap
Medium-tap
Low-tap

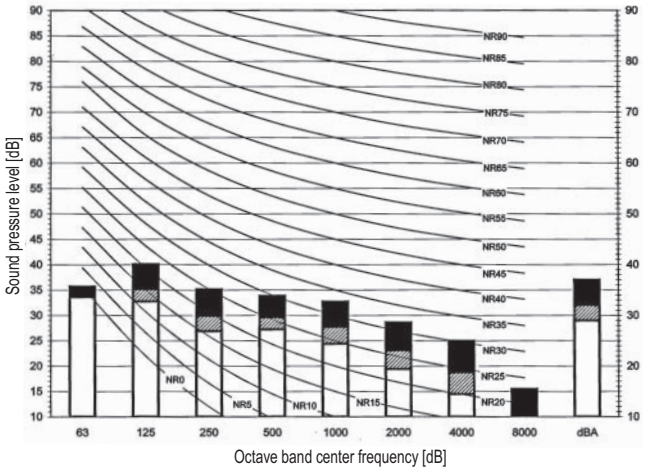
3TW31187-2

Notes

1 Data is valid at free field condition
2 Data is valid at nominal operation condition
3 dBA = A-weighted sound power level. (A-scale according to IEC)
4 Reference acoustic pressures 0dB = 20μPa
5 Location of microphine



FXSQ32P

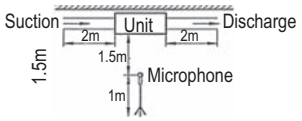


High-tap
Medium-tap
Low-tap

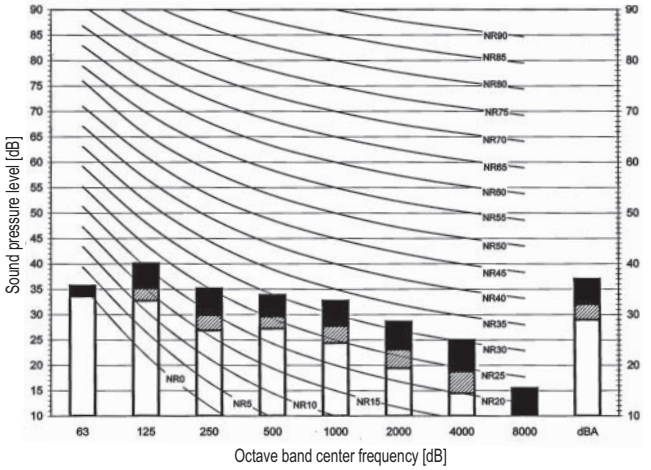
3TW31207-2

Notes

1 Data is valid at free field condition
2 Data is valid at nominal operation condition
3 dBA = A-weighted sound power level. (A-scale according to IEC)
4 Reference acoustic pressures 0dB = 20μPa
5 Location of microphine



FXSQ40-50P

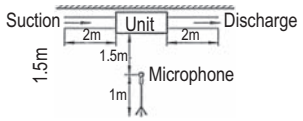


High-tap
Medium-tap
Low-tap

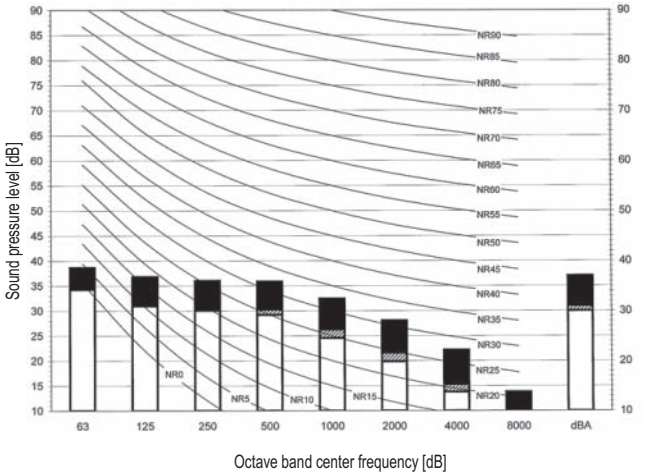
3TW31217-2

Notes

1 Data is valid at free field condition
2 Data is valid at nominal operation condition
3 dBA = A-weighted sound power level. (A-scale according to IEC)
4 Reference acoustic pressures 0dB = 20μPa
5 Location of microphine



FXSQ63P

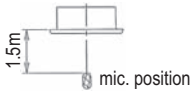


High-tap
Medium-tap
Low-tap

3TW31237-2

Notes

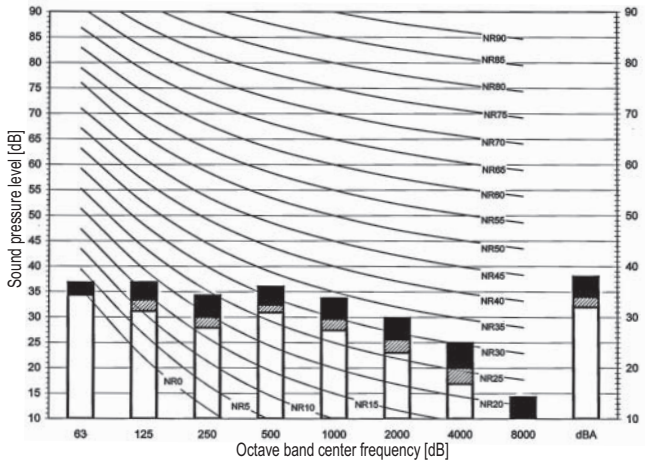
1 Data is valid at free field condition
2 Data is valid at nominal operation condition
3 dBA = A-weighted sound power level. (A-scale according to IEC)
4 Reference acoustic pressures 0dB = 20μPa
5 Location of microphine



9 Sound data

9 - 1 Sound pressure spectrum

FXSQ80P

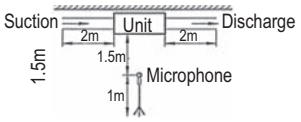


High-tap
Medium-tap
Low-tap

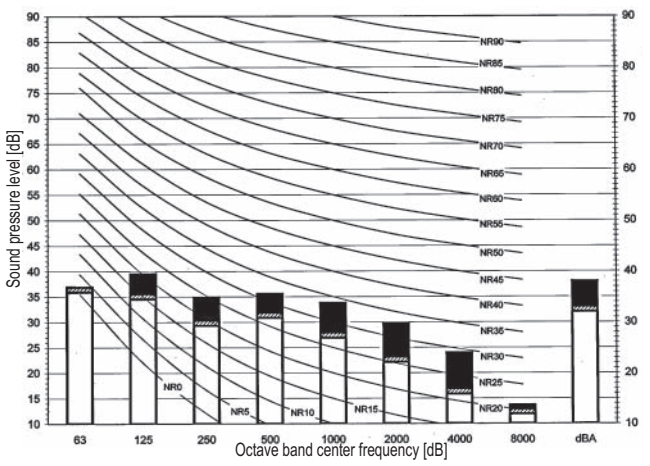
3TW31247-2

Notes

1 Data is valid at free field condition
2 Data is valid at nominal operation condition
3 dBA = A-weighted sound power level. (A-scale according to IEC)
4 Reference acoustic pressures 0dB = 20μPa
5 Location of microphone



FXSQ100P

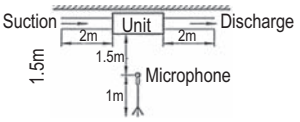


High-tap
Medium-tap
Low-tap

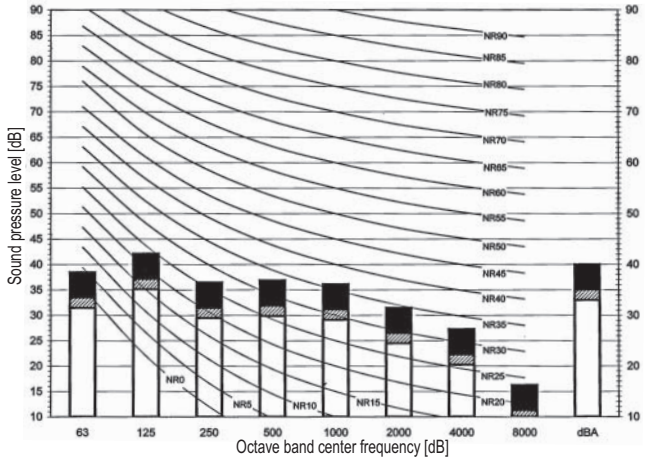
3TW31257-2

Notes

1 Data is valid at free field condition
2 Data is valid at nominal operation condition
3 dBA = A-weighted sound power level. (A-scale according to IEC)
4 Reference acoustic pressures 0dB = 20μPa
5 Location of microphone



FXSQ125P

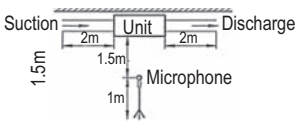


High-tap
Medium-tap
Low-tap

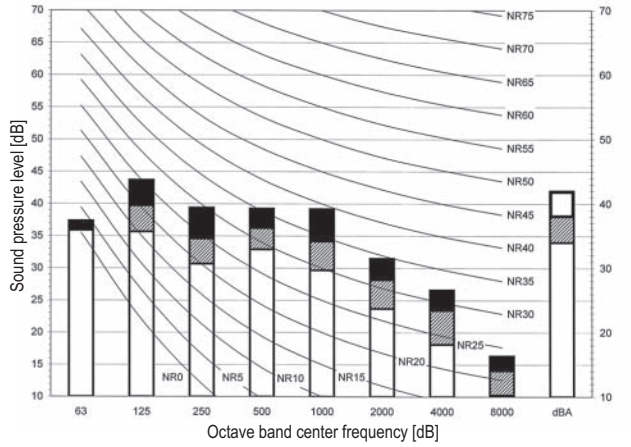
3TW31267-2

Notes

1 Data is valid at free field condition
2 Data is valid at nominal operation condition
3 dBA = A-weighted sound power level. (A-scale according to IEC)
4 Reference acoustic pressures 0dB = 20μPa
5 Location of microphone



FXSQ140P

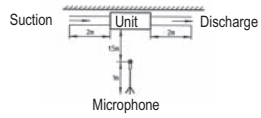


High-tap
Medium-tap
Low-tap

3TW32747-2

NOTES

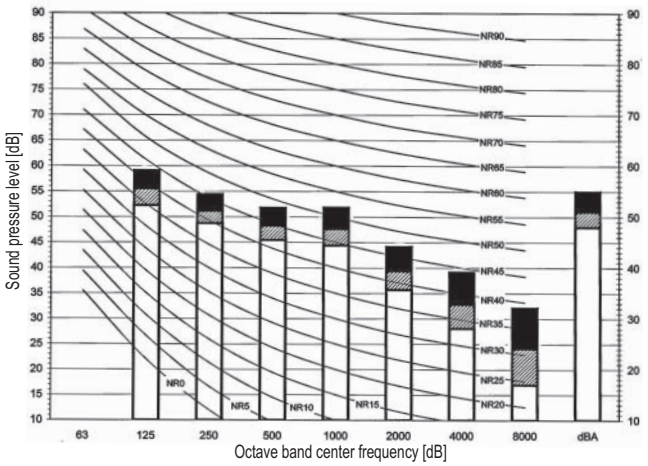
1. Data is valid at free field condition
2. Data is valid at nominal operation condition
3. dBA = A-weighted sound pressure level. (A-scale according to IEC)
4. Reference acoustic pressures 0dB = 20μPa
5. Location of microphone



9 Sound data

9 - 2 Sound power spectrum

FXSQ20-25P



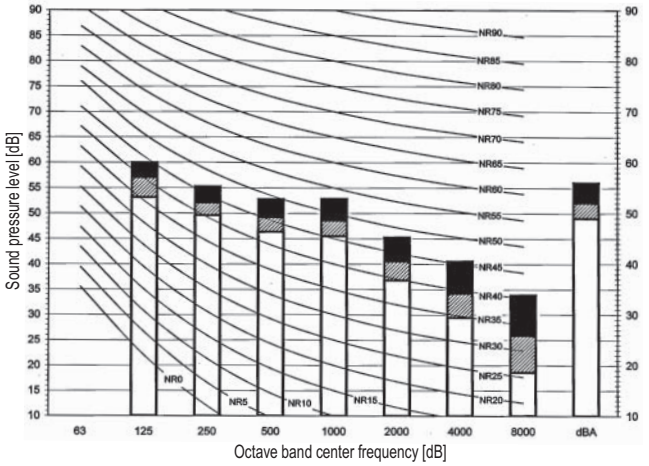
High-tap
Medium-tap
Low-tap

3TW31187-1

Notes

1 dBA = A-weighted sound power level. (A-scale according to IEC)
2 Reference acoustic intensity 0dB = 10E-6µW/m^2
3 Measured according to ISO 3744

FXSQ32P



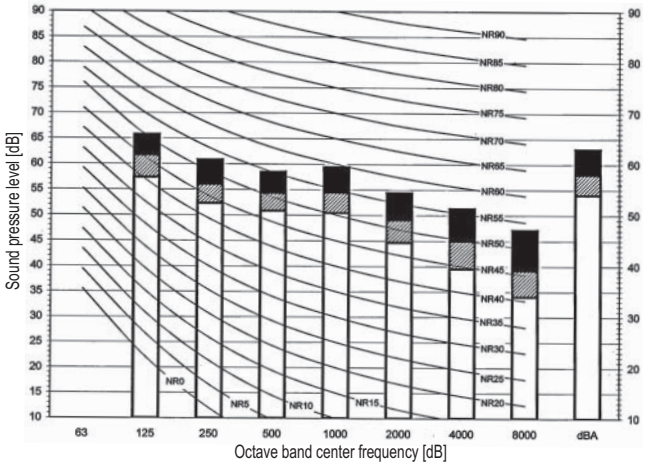
High-tap
Medium-tap
Low-tap

3TW31207-1

Notes

1 dBA = A-weighted sound power level. (A-scale according to IEC)
2 Reference acoustic intensity 0dB = 10E-6µW/m^2
3 Measured according to ISO 3744

FXSQ40-50P



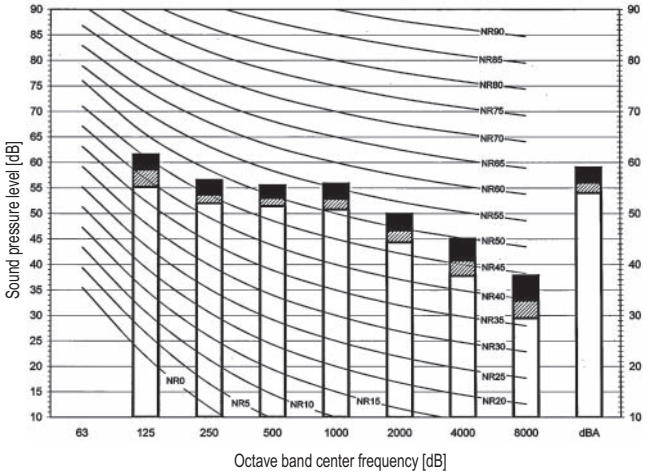
High-tap
Medium-tap
Low-tap

3TW31217-1

Notes

1 dBA = A-weighted sound power level. (A-scale according to IEC)
2 Reference acoustic intensity 0dB = 10E-6µW/m^2
3 Measured according to ISO 3744

FXSQ63P



High-tap
Medium-tap
Low-tap

3TW31237-1

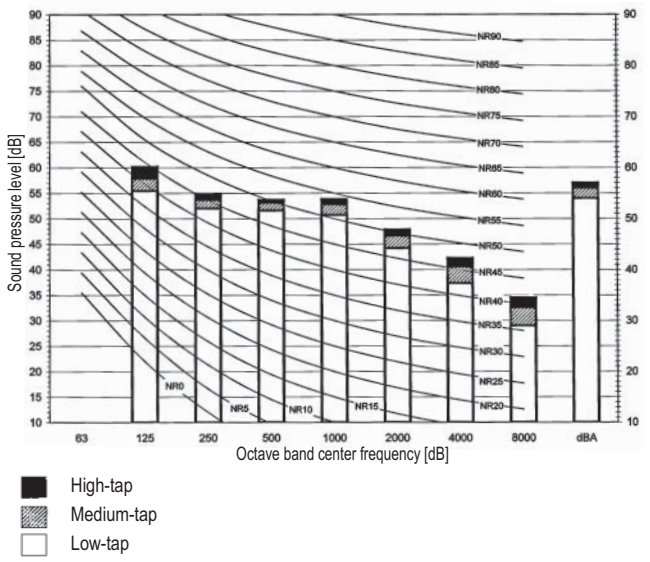
Notes

1 Data is valid at free field condition
2 Data is valid at nominal operation condition
3 dBA = A-weighted sound power level. (A-scale according to IEC)
4 Reference acoustic pressures 0dB = 20µPa
5 Location of microphine

9 Sound data

9 - 2 Sound power spectrum

FXSQ80P

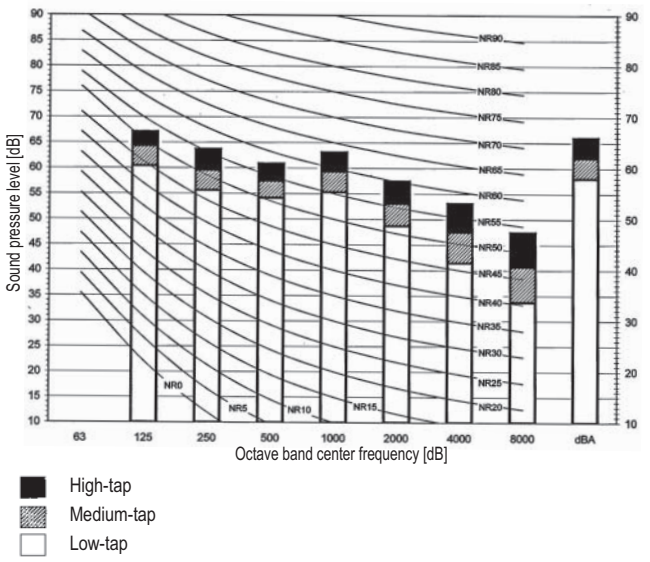


3TW31247-1

Notes

1 dBA = A-weighted sound power level. (A-scale according to IEC)
2 Reference acoustic intensity 0dB = 10E-6μW/m^2
3 Measured according to ISO 3744

FXSQ100P

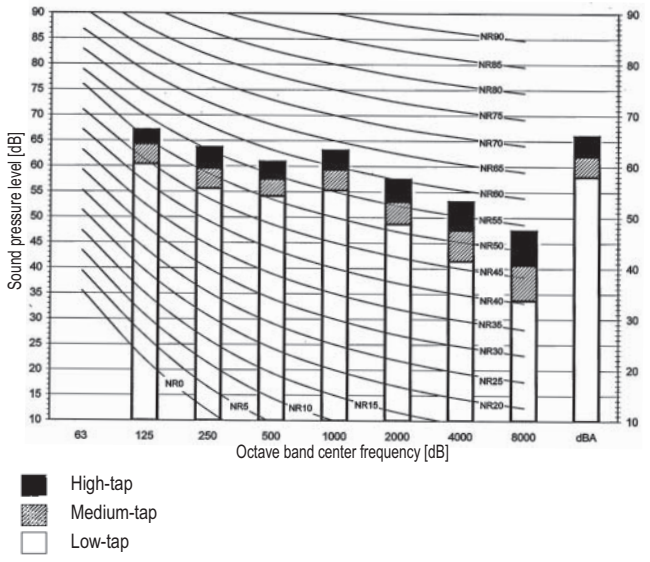


3TW31257-1

Notes

1 dBA = A-weighted sound power level. (A-scale according to IEC)
2 Reference acoustic intensity 0dB = 10E-6μW/m^2
3 Measured according to ISO 3744

FXSQ125P

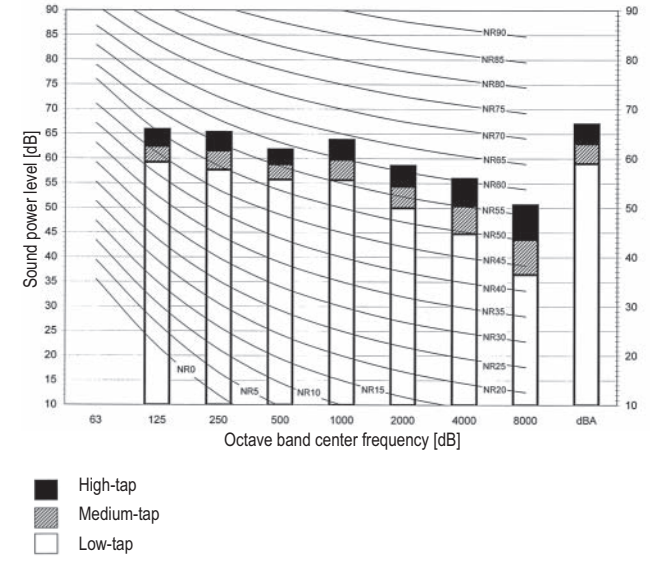


3TW31267-1

Notes

1 dBA = A-weighted sound power level. (A-scale according to IEC)
2 Reference acoustic intensity 0dB = 10E-6μW/m^2
3 Measured according to ISO 3744

FXSQ140P



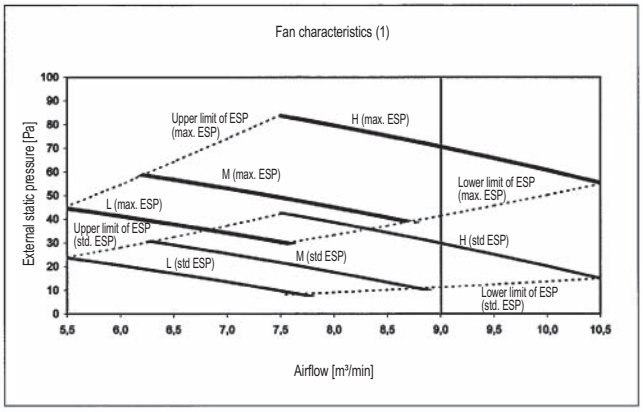
3TW32747-1

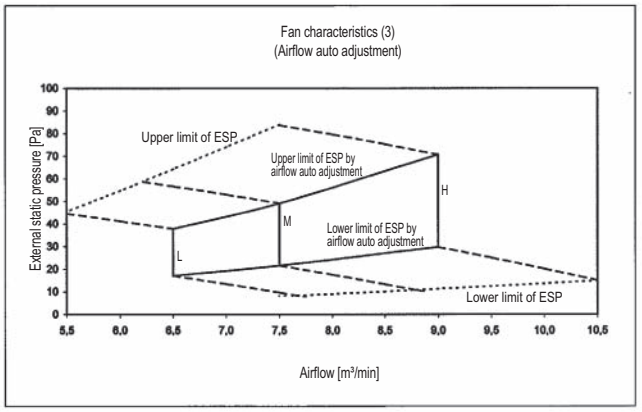
NOTES

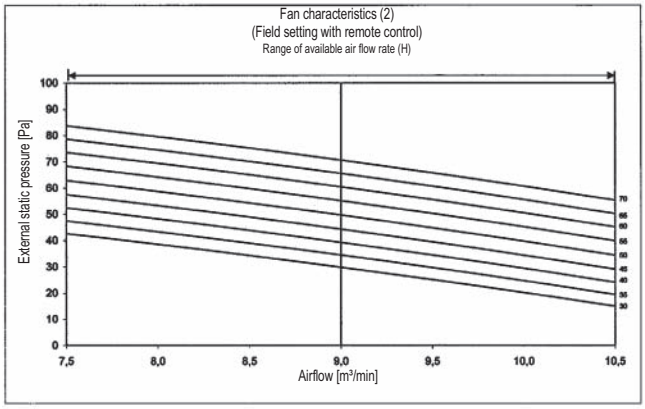
1. dBA = A-weighted sound power level. (A-scale according to IEC)
2. Reference acoustic intensity 0dB = 10E-6μW/m²
3. Measured according to ISO 3744

10 Fan characteristics

FXSQ20-25P





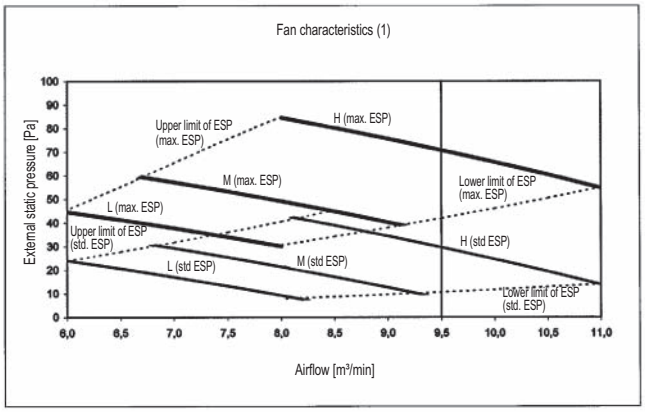


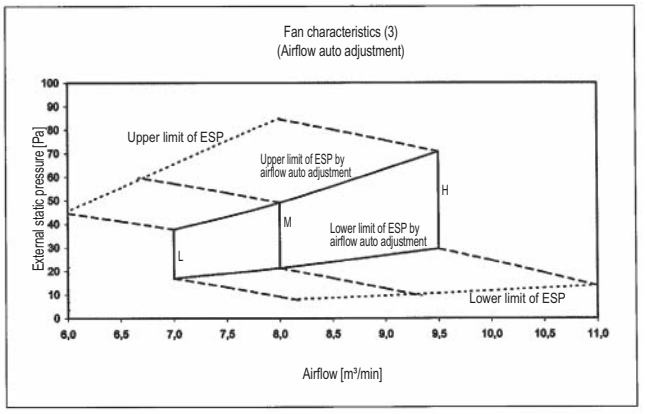
NOTES

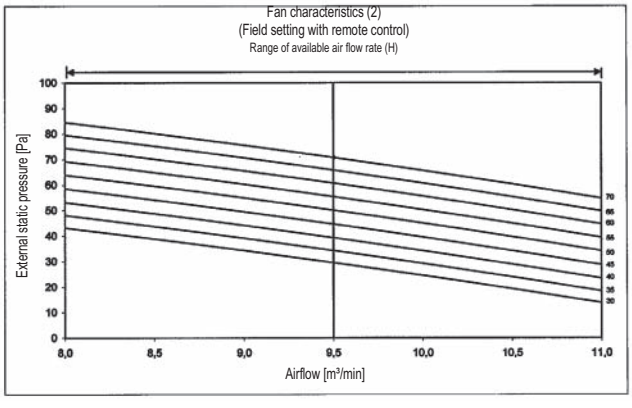
1 Fan characteristics as shown ar in “fan only” mode.
2 ESP: External static pressure

3TW31188-1

FXSQ32P







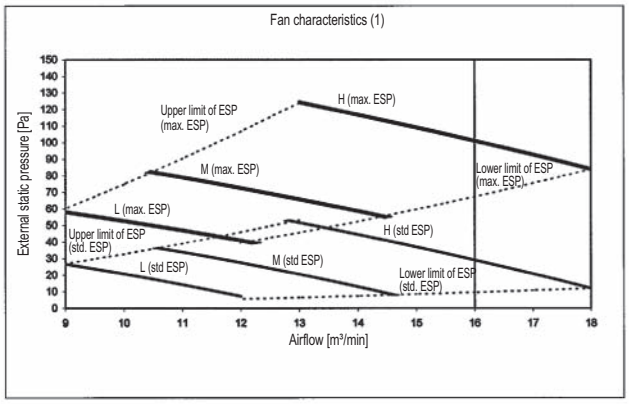
NOTES

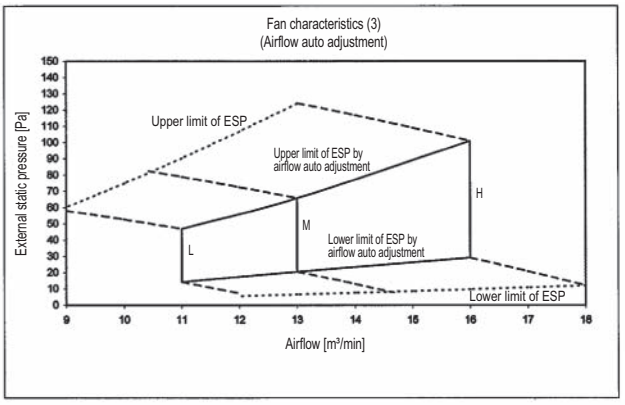
1 Fan characteristics as shown ar in “fan only” mode.
2 ESP: External static pressure

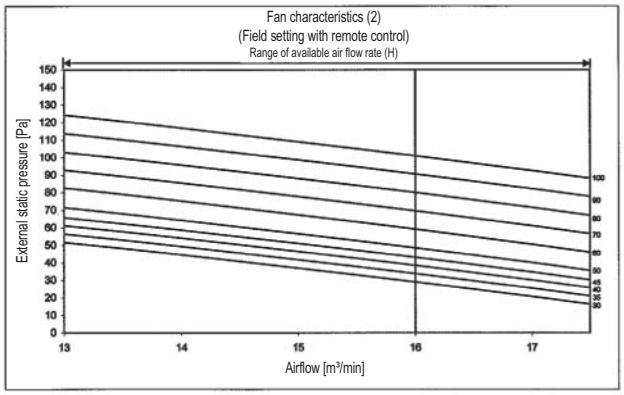
3TW31208-1

10 Fan characteristics

FXSQ40-50





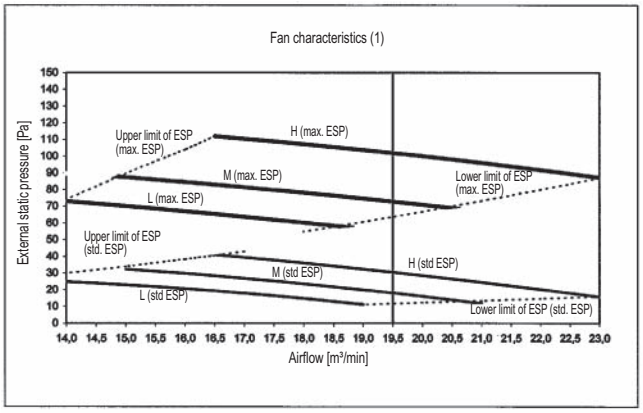


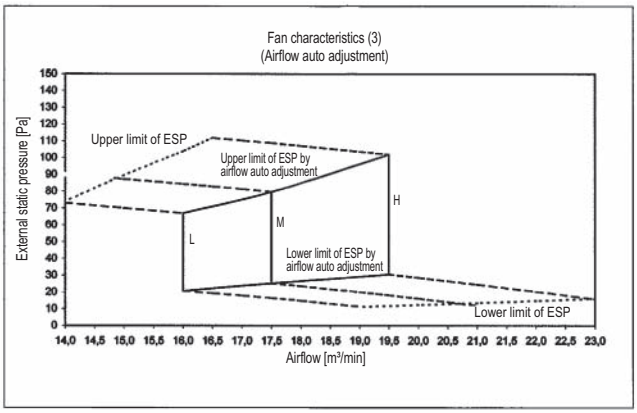
NOTES

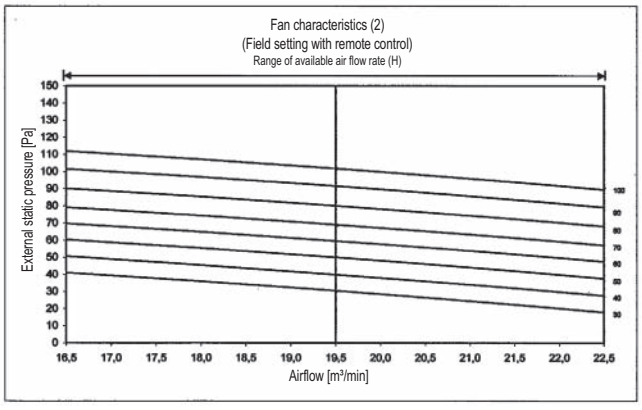
1 Fan characteristics as shown ar in “fan only” mode.
2 ESP: External static pressure

3TW31218-1

FXSQ63P







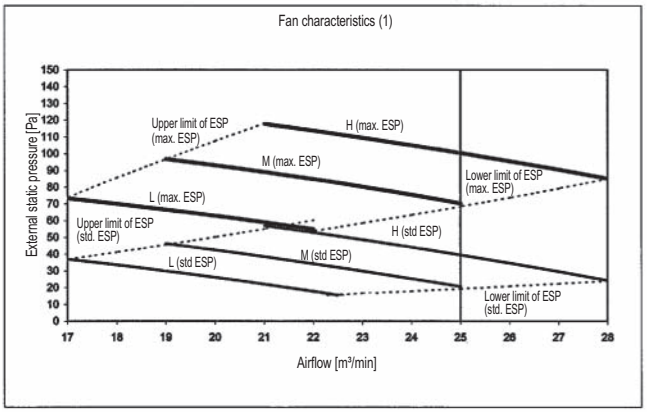
NOTES

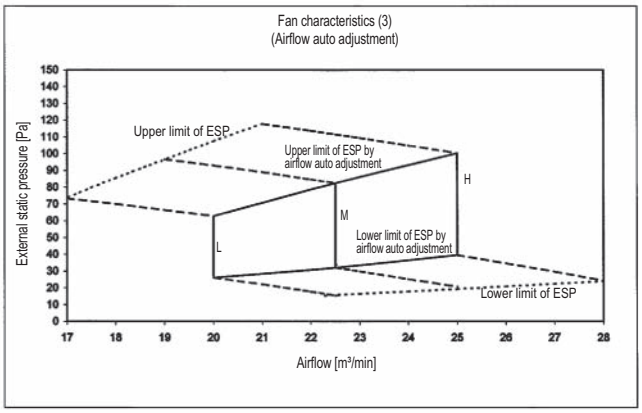
1 Fan characteristics as shown ar in “fan only” mode.
2 ESP: External static pressure

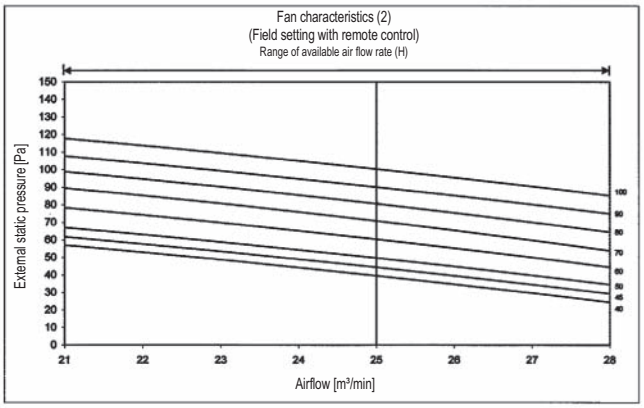
3TW31238-1

10 Fan characteristics

FXSQ80P7





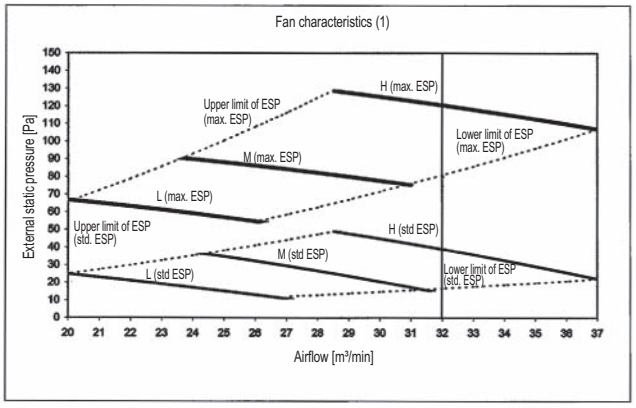


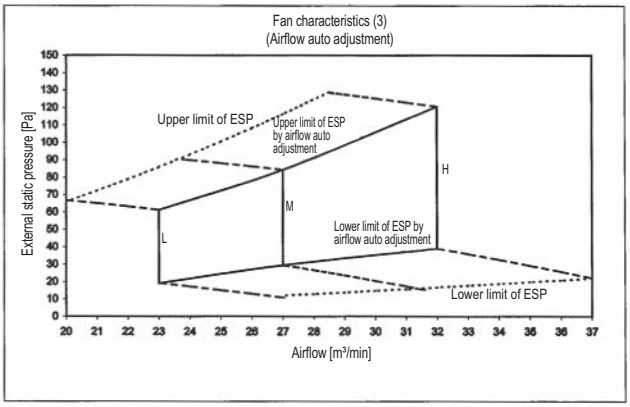
NOTES

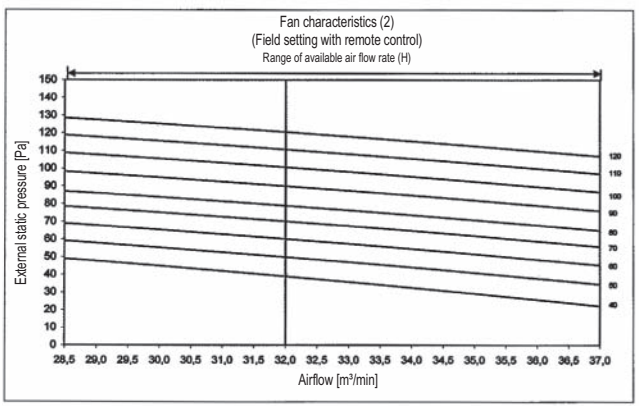
1 Fan characteristics as shown ar in “fan only” mode.
2 ESP: External static pressure

3TW31248-1

FXSQ100P







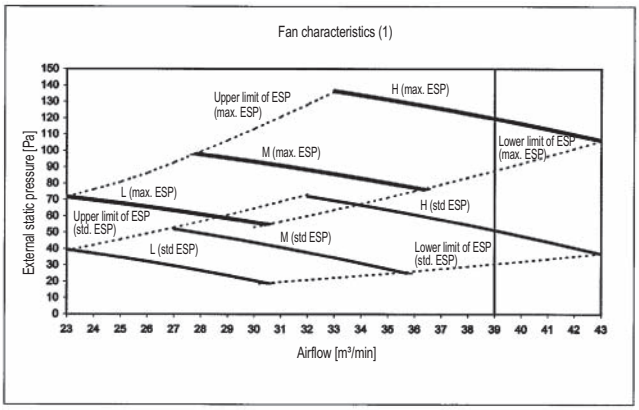
NOTES

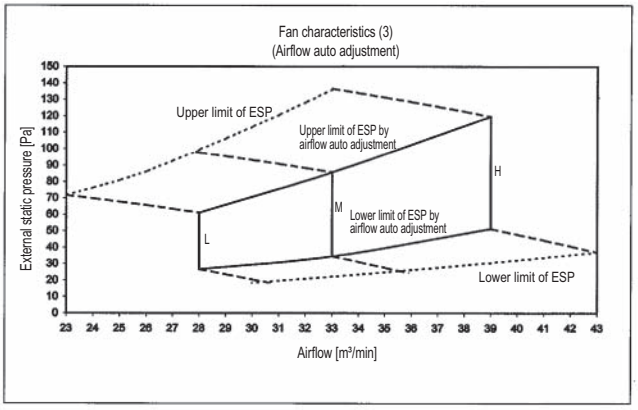
1 Fan characteristics as shown ar in “fan only” mode.
2 ESP: External static pressure

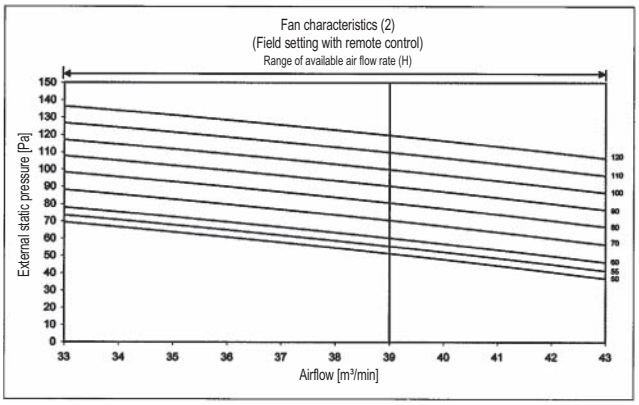
3TW31258-1

10 Fan characteristics

FXSQ125P





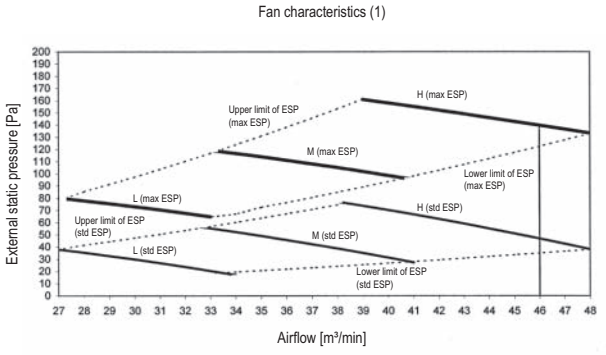


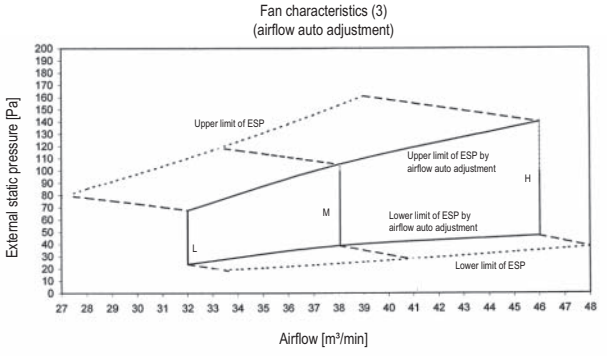
NOTES

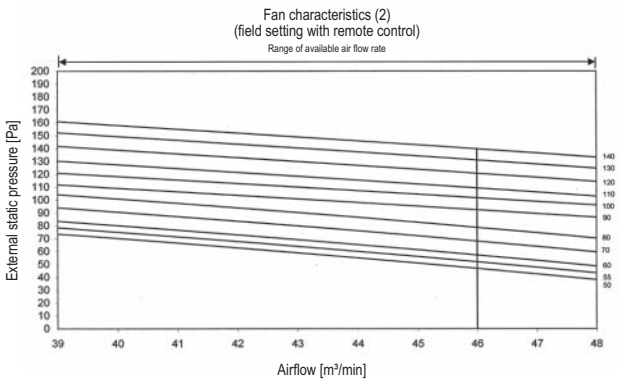
1 Fan characteristics as shown ar in “fan only” mode.
2 ESP: External static pressure

3TW31268-1

FXSQ140P







3TW32748-1

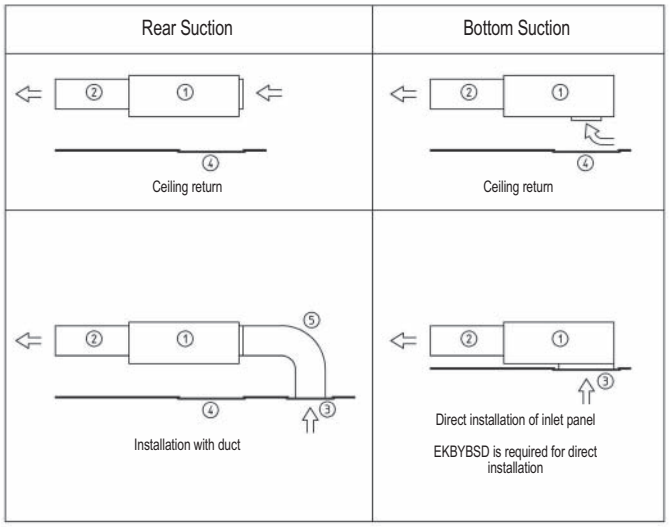
NOTES

1 Fan characteristics as shown are in “fan only” mode.
2 ESP: External static pressure.
3 —— If the ESP is higher than 100 Pa, do not use airflow auto adjustment function: select the fan step manually, by field setting with remote control.

11 Installation

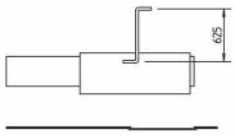
11 - 1 Installation method

FXSQ-P

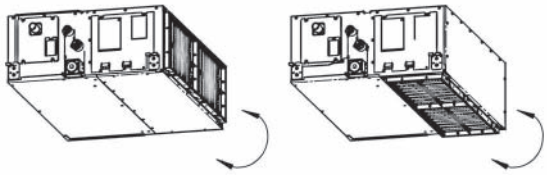


Wide variety of installation methods

Number	Description	
1	Main body	
2	Air outlet duct	Field supply
3	Inlet panel	Optional accessory
4	Access panel	optional accessory
5	Air inlet duct	Field supply



Drain pump up height



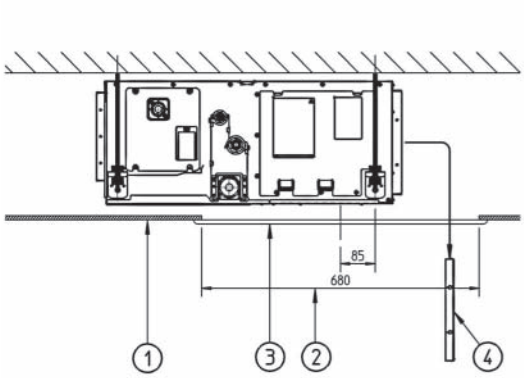
Easy modification from rear to bottom suction

3TW31183-1A

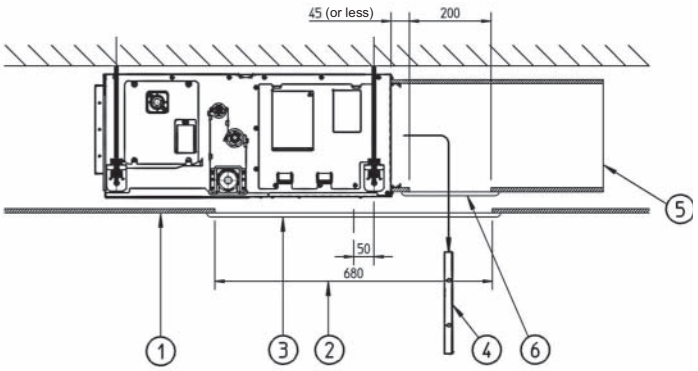
11 Installation

11 - 2 Filter installation method

FXSQ-P



Installation without air inlet duct



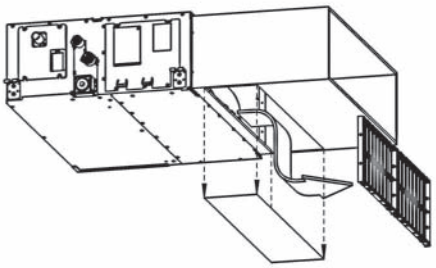
Installation with air inlet duct

Nr.	Description
1	Suspended Ceiling
2	Ceiling opening
3	Service access panel (optimal)
4	Air filter
5	Air inlet duct
6	Duct service opening

NOTES

1 When installing the unit with rear suction, a service opening is necessary for the maintenance of the air filters.

2 When installing the unit with a suction duct. A service opening must be provided in the duct.

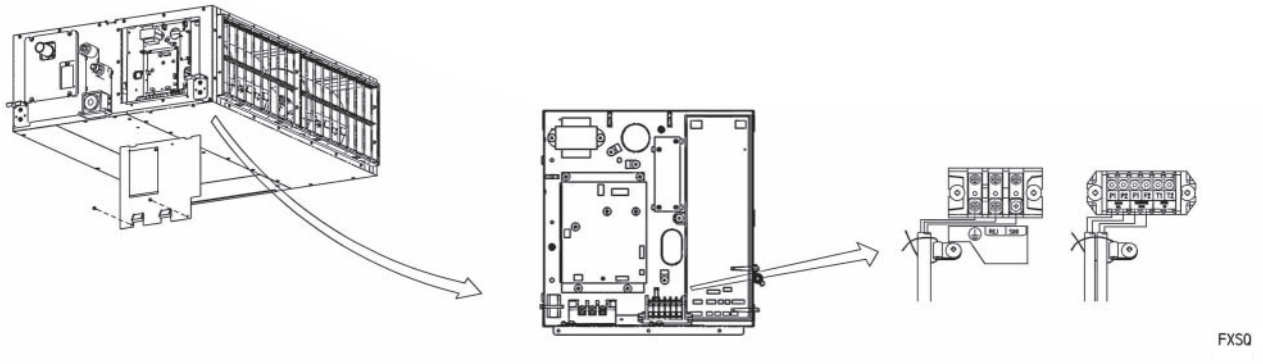


3TW31184-4

11 Installation

11 - 3 Switch box connection

FXSQ20-140P



3TW31184-5A

In all of us, a green heart

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 intension 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.

CE 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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