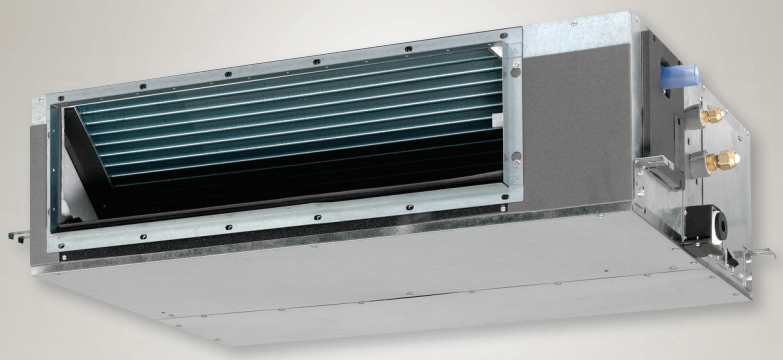
DAIKIN

Air Conditioners

Technical Data

VRV®

Concealed ceiling unit with inverter driven fan



EEDEN11-204

FXSQ-P

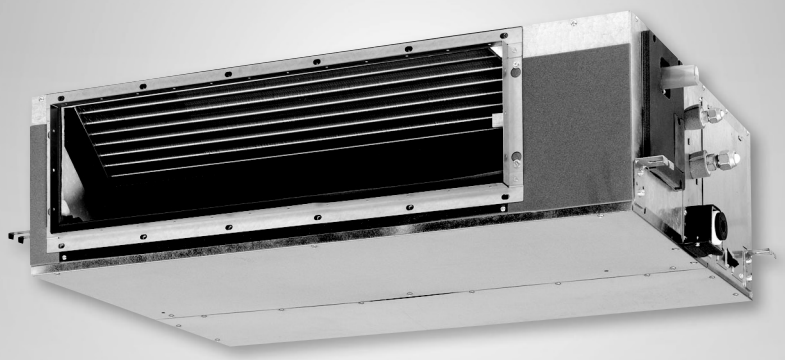
DAIKIN

Air Conditioners

Technical Data

VRV®

Concealed ceiling unit with inverter driven fan



EEDEN11-204

FXSQ-P

TABLE OF CONTENTS

FXSQ-P

1 Specifications

1-1 Technical Specifications					FXSQ20 P7VEB	FXSQ25 P7VEB	FXSQ32 P7VEB	FXSQ40 P7VEB	FXSQ50 P7VEB	FXSQ63 P7VEB	FXSQ80 P7VEB	FXSQ100 P7VEB	FXSQ125 P7VEB	FXSQ140 P7VEB
Cooling capacity	Nom.			kW	2.2 (1)	2.8 (1)	3.6 (1)	4.5 (1)	5.6 (1)	7.1 (1)	9.0 (1)	11.2 (1)	14.0 (1)	16.0 (1)
Heating capacity	Nom.			kW	2.5 (2)	3.2 (2)	4.0 (2)	5.0 (2)	6.3 (2)	8.0 (2)	10.0 (2)	12.5 (2)	16.0 (2)	18.0 (2)
Power input - 50Hz	Cooling	Nom.		kW	0.041 (1)		0.044 (1)	0.097 (1)		0.074 (1)	0.118 (1)	0.117 (1)	0.185 (1)	0.261 (1)
	Heating	Nom.		kW	0.029 (2)		0.032 (2)	0.085 (2)		0.062 (2)	0.106 (2)	0.105 (2)	0.173 (2)	0.249 (2)
Power input - 60Hz	Cooling	Nom.		kW	0.041 (1)		0.044 (1)	0.097 (1)		0.074 (1)	0.118 (1)	0.117 (1)	0.185 (1)	0.261 (1)
	Heating	Nom.		kW	0.029 (2)		0.032 (2)	0.085 (2)		0.062 (2)	0.106 (2)	0.105 (2)	0.173 (2)	0.249 (2)
Casing	Colour				Unpainted									
	Material				Galvanised steel									
Dimensions	Unit	Height		mm	300									
		Width		mm	550			700		1,000		1,400		
		Depth		mm	700									
	Packed unit	Height		mm	355									
		Width		mm	770			920		1,220		1,620		
		Depth		mm	900									
Required ceiling void >				mm	350									
Weight	Unit			kg	23			26		35		46		47
	Packed unit			kg	28			32		42		54		55
Decoration panel	Model				BYBS32DJW1			BYBS45DJW1		BYBS71DJW1		BYBS125DJW1		
	Colour				White (10Y9/0.5)									
	Dimensions	Height		mm	55									
		Width		mm	650			800		1,100		1,500		
		Depth		mm	500									
	Weight			kg	3.0			3.5		4.5		6.5		
Heat exchanger	Length			mm	290			440		740		1,140		
	Rows	Quantity			3									
	Fin pitch			mm	1.75									1.50
	Passes	Quantity			3			4		7		11		
	Face area			m²	0.097			0.148		0.249		0.383		
	Stages	Quantity			16									
	Empty tubeplate hole	Quantity			12	0								
	Tube type				ø7 Hi-XSS									
	Fin	Type			Symmetric waffle louvre									
		Treatment			Hydrophilic									
Fan	Type				Sirocco fan									
	Quantity				1					2		3		
	Air flow rate - 50Hz	Cooling	High	m³/min	9	9.5		16		19.5	25	32	39	46
			Low	m³/min	6.5	7		11		16	20	23	28	32
		Heating	High	m³/min	9	9.5		16		19.5	25	32	39	46
			Low	m³/min	6.5	7		11		16	20	23	28	32
	Air flow rate - 60Hz	Cooling	High	m³/min	9	9.5		16		19.5	25	32	39	46
			Low	m³/min	6.5	7		11		16	20	23	28	32
		Heating	High	m³/min	9	9.5		16		19.5	25	32	39	46
			Low	m³/min	6.5	7		11		16.0	20	23	28	32
	External static pressure - 50Hz	High		Pa	70			100				120		140
		Nom.		Pa	30						40		50	
	External static pressure - 60Hz	High		Pa	70			100				120		140
		Nom.		Pa	30						40		50	
Fan motor	Quantity				1									
	Model				Brushless DC motor									
	Speed	Steps			9			10		8		9		11
		Cooling	High	rpm	1,031	1,061		1,186		975	1,161	1,060	1,218	1,325
			Low	rpm	802	827		875		840	960	813	920	948
		Heating	High	rpm	1,031	1,061		1,186		975	1,161	1,060	1,218	1,325
			Low	rpm	802	827		875		840	960	813	920	948
	Output	High		W	90			140		350				
	Drive				Direct drive									

1 Specifications

1-1 Technical Specifications				FXSQ20 P7VEB	FXSQ25 P7VEB	FXSQ32 P7VEB	FXSQ40 P7VEB	FXSQ50 P7VEB	FXSQ63 P7VEB	FXSQ80 P7VEB	FXSQ100 P7VEB	FXSQ125 P7VEB	FXSQ140 P7VEB
Sound power level	Cooling	Nom.	dBA	55		56	63		59	63	61	66	67
Sound pressure level	Cooling	High	dBA	32		33	37			38		40	42
		Low	dBA	26		27	29		30	32		33	34
	Heating	High	dBA	32		33	37			38		40	42
		Low	dBA	26		27	29		30	32		33	34
Refrigerant	Type			R-410A									
	Control			Electronic expansion valve									
Piping connections	Liquid	Type		Flare connection									
		OD	mm	6.35					9.52				
	Gas	Type		Flare connection									
		OD	mm	12.7					15.9				
	Drain			VP25 (O.D. 32 / I.D. 25)									
	Heat insulation			Both liquid and gas pipes									
Air filter				Resin net with mold resistance									
Drain-up height			mm	625									
Safety devices	Item	01		Drain pump fuse									PC board fuse
		02		PC board fuse									PC board fuse (fan driver)
		03		PC board fuse (fan driver)									Drain pump fuse

1-2 Electrical Specifications			FXSQ20 P7VEB	FXSQ25 P7VEB	FXSQ32 P7VEB	FXSQ40 P7VEB	FXSQ50 P7VEB	FXSQ63 P7VEB	FXSQ80 P7VEB	FXSQ100 P7VEB	FXSQ125 P7VEB	FXSQ140 P7VEB
Power supply	Name		VE									
	Phase		1~									
	Frequency	Hz	50/60									
	Voltage	V	220-240/220									
Voltage range	Min.	%	-10									
	Max.	%	10									
Current - 50Hz	Minimum circuit amps (MCA)	A	0.5			1.2		1.1	1.3	1.4	1.9	3.1
	Maximum fuse amps (MFA)	A	16									
Current - 60Hz	Minimum circuit amps (MCA)	A	0.5			1.2		1.1	1.3	1.4	1.9	3.1
	Maximum fuse amps (MFA)	A	16									

Notes

(1) Cooling: indoor temp. 27ºCDB, 19ºCWB; outdoor temp. 35ºCDB; equivalent piping length: 7.5m; level difference: 0m

(2) Heating: indoor temp. 20ºCDB; outdoor temp. 7ºCDB, 6ºCWB; equivalent refrigerant piping: 7.5m; level difference: 0m

(3) Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

(4) The sound pressure values are mentioned for a unit installed with rear suction.

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

(6) Maximum allowable voltage range variation between phases is 2%.

(7) Select wire size based on the value of MCA

(8) Use a circuit breaker instead of a fuse.

2 Electrical data

2 - 1 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.

4TW31181-2A

3 Safety device settings

3 - 1 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

3TW31189-2A

4 Options

4 - 1 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

3TW31189-3D

5 Capacity tables

5 - 1 Cooling Capacity Tables

FXSQ-P

Unit size	Outdoor °CDB	Indoor air temp. 14.OWB 20.ODB TH	SHC	16.OWB 23.ODB TH	SHC	18.OWB 26.ODB TH	SHC	19.OWB 27.ODB TH	SHC	20.OWB 28.ODB TH	SHC	22.OWB 30.ODB TH	SHC	24.OWB 32.ODB TH	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	3.4	4.5	3.9	5.2	4.4	5.6	4.4	6.0	4.5	6.7	4.6	7.1	4.6
	12.0	3.8	3.4	4.5	3.9	5.2	4.4	5.6	4.4	6.0	4.5	6.7	4.6	7.0	4.6
	14.0	3.8	3.4	4.5	3.9	5.2	4.4	5.6	4.4	6.0	4.5	6.7	4.6	6.9	4.5
	16.0	3.8	3.4	4.5	3.9	5.2	4.4	5.6	4.4	6.0	4.5	6.7	4.6	6.8	4.5
	18.0	3.8	3.4	4.5	3.9	5.2	4.4	5.6	4.4	6.0	4.5	6.6	4.6	6.7	4.4
	20.0	3.8	3.4	4.5	3.9	5.2	4.4	5.6	4.4	6.0	4.5	6.5	4.5	6.6	4.4
	21.0	3.8	3.4	4.5	3.9	5.2	4.4	5.6	4.4	6.0	4.5	6.4	4.5	6.6	4.4
	23.0	3.8	3.4	4.5	3.9	5.2	4.4	5.6	4.4	6.0	4.5	6.4	4.5	6.5	4.3
	25.0	3.8	3.4	4.5	3.9	5.2	4.4	5.6	4.4	6.0	4.5	6.3	4.4	6.4	4.3
	27.0	3.8	3.4	4.5	3.9	5.2	4.4	5.6	4.4	6.0	4.5	6.2	4.4	6.3	4.2
	29.0	3.8	3.4	4.5	3.9	5.2	4.4	5.6	4.4	5.9	4.5	6.1	4.3	6.2	4.2
	31.0	3.8	3.4	4.5	3.9	5.2	4.4	5.6	4.4	5.9	4.4	6.0	4.3	6.1	4.1
	33.0	3.8	3.4	4.5	3.9	5.2	4.4	5.6	4.4	5.8	4.4	5.9	4.2	6.0	4.1
	35.0	3.8	3.4	4.5	3.9	5.2	4.4	5.6	4.4	5.7	4.3	5.8	4.2	5.9	4.1
	37.0	3.8	3.4	4.5	3.9	5.2	4.4	5.5	4.4	5.6	4.3	5.7	4.1	5.8	4.0
	39.0	3.8	3.4	4.5	3.9	5.2	4.4	5.4	4.3	5.5	4.2	5.6	4.1	5.8	4.0

3TW31182-1B

5 Capacity tables

5 - 1 Cooling Capacity Tables

FXSQ-P

Unit size	Outdoor °CDB	Indoor air temp. 14.OWB 20.ODB TH	SHC	16.OWB 23.ODB TH	SHC	18.OWB 26.ODB TH	SHC	19.OWB 27.ODB TH	SHC	20.OWB 28.ODB TH	SHC	22.OWB 30.ODB TH	SHC	24.OWB 32.ODB TH	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	5.8
	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	5.8
	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	5.7
	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	5.7
	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	5.6
	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	5.6
	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	5.5
	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	5.5
	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	5.4
	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	5.4
	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	5.3
	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	5.3
	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	5.2
	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	5.2
	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	5.1
	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	5.0
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	8.5	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	9.4	8.0	11.3	9.2	13.1	10.3	14.0	10.5	14.9	10.8	16.7	11.1	17.7	11.1
	12.0	9.4	8.0	11.3	9.2	13.1	10.3	14.0	10.5	14.9	10.8	16.7	11.1	17.5	11.0
	14.0	9.4	8.0	11.3	9.2	13.1	10.3	14.0	10.5	14.9	10.8	16.7	11.1	17.2	10.9
	16.0	9.4	8.0	11.3	9.2	13.1	10.3	14.0	10.5	14.9	10.8	16.7	11.1	17.0	10.8
	18.0	9.4	8.0	11.3	9.2	13.1	10.3	14.0	10.5	14.9	10.8	16.4	11.0	16.8	10.7
	20.0	9.4	8.0	11.3	9.2	13.1	10.3	14.0	10.5	14.9	10.8	16.2	10.9	16.6	10.6
	21.0	9.4	8.0	11.3	9.2	13.1	10.3	14.0	10.5	14.9	10.8	16.1	10.9	16.4	10.5
	23.0	9.4	8.0	11.3	9.2	13.1	10.3	14.0	10.5	14.9	10.8	15.9	10.8	16.2	10.4
	25.0	9.4	8.0	11.3	9.2	13.1	10.3	14.0	10.5	14.9	10.8	15.6	10.6	16.0	10.3
	27.0	9.4	8.0	11.3	9.2	13.1	10.3	14.0	10.5	14.9	10.8	15.4	10.5	15.8	10.2
	29.0	9.4	8.0	11.3	9.2	13.1	10.3	14.0	10.5	14.9	10.7	15.2	10.4	15.5	10.1
	31.0	9.4	8.0	11.3	9.2	13.1	10.3	14.0	10.5	14.6	10.6	15.0	10.3	15.3	10.0
	33.0	9.4	8.0	11.3	9.2	13.1	10.3	14.0	10.5	14.4	10.5	14.7	10.2	15.1	9.8
	35.0	9.4	8.0	11.3	9.2	13.1	10.3	14.0	10.5	14.2	10.4	14.5	10.1	14.9	9.7
	37.0	9.4	8.0	11.3	9.2	13.1	10.3	13.8	10.4	13.9	10.3	14.3	10.0	14.6	9.6
	39.0	9.4	8.0	11.3	9.2	13.1	10.3	13.5	10.3	13.7	10.2	14.1	9.9	14.4	9.5
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

3TW31182-1B

5 Capacity tables

5 - 2 Heating Capacity Tables

FXSQ-P

Unit size	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	-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	2,1
	-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	2,8
	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	2,8	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	-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	5,2	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
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	4,2	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
	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

3TW25512-2B

5 Capacity tables

5 - 2 Heating Capacity Tables

FXSQ-P

Unit size	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
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	8,4	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
	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	10,7
	-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
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	15,7	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

3TW25512-2B

5 Capacity tables

5 - 3 Capacity Correction Factor

FXSQ-P

		Single module and 2 module systems (not applicable for 3 module systems)						
		20°CDB	23°CDB	26°CDB	27°CDB	28°CDB	30°CDB	32°CDB
		14°CWB	16°CWB	18°CWB	19°CWB	20°CWB	22°CWB	24°CWB
20	TC ratio	0,558	0,573	0,582	0,619	0,651	0,704	0,747
	SHF ratio	1,112	1,202	1,269	1,211	1,167	1,111	1,099
25	TC ratio	0,548	0,569	0,597	0,637	0,671	0,724	0,759
	SHF ratio	1,130	1,216	1,246	1,191	1,151	1,102	1,093
32	TC ratio	0,548	0,571	0,599	0,639	0,673	0,724	0,759
	SHF ratio	1,126	1,211	1,244	1,190	1,149	1,102	1,093
40	TC ratio	0,551	0,578	0,615	0,654	0,686	0,729	0,764
	SHF ratio	1,124	1,205	1,229	1,178	1,143	1,102	1,089
50	TC ratio	0,551	0,578	0,615	0,654	0,686	0,729	0,764
	SHF ratio	1,124	1,205	1,229	1,178	1,143	1,102	1,089
63	TC ratio	0,545	0,564	0,600	0,639	0,672	0,725	0,762
	SHF ratio	1,145	1,231	1,242	1,188	1,150	1,106	1,091
80	TC ratio	0,548	0,573	0,608	0,648	0,681	0,727	0,762
	SHF ratio	1,128	1,211	1,235	1,183	1,145	1,102	1,091
100	TC ratio	0,546	0,566	0,600	0,639	0,673	0,725	0,761
	SHF ratio	1,140	1,226	1,243	1,188	1,150	1,105	1,092
125	TC ratio	0,548	0,573	0,607	0,646	0,680	0,726	0,761
	SHF ratio	1,126	1,210	1,237	1,184	1,145	1,102	1,091
140	TC ratio	0,552	0,582	0,613	0,653	0,684	0,727	0,761
	SHF ratio	1,115	1,196	1,236	1,184	1,147	1,106	1,099

4TW27232-9

NOTES - ANMERKUNGEN - Σημειώσεις - NOTAS - REMARQUES - NOTE - OPMERKINGEN - Примечания - NOTLAR

How to use this table - *So verwenden Sie diese Tabelle* - Πώς θα χρησιμοποιήσετε αυτό τον πίνακα - *Cómo utilizar esta tabla* - Utilisation de ce tableau - *Come utilizzare questa tabella* - Gebruik van deze tabel - Как пользоваться этой таблицей - *Bu tablo nasıl kullanılmalı?:*

1. Capacity : Total capacity for High sensible mode = Total capacity for normal capacity table X TC ratio.
   Leistung: Gesamtleistung für hochfühlbaren Leistungsmodus = Gesamtleistung für normale Leistungstabelle x GL-Verhältnis.
   Απόδοση: Συνολική απόδοση για τη λειτουργία υψηλής ευαισθησίας = Συνολική απόδοση για τον πίνακα κανονικών αποδόσεων X αναλογία TC
   Capacidad: Capacidad total para el modo de alta sensibilidad = Capacidad total para la tabla de capacidad normal X relación TC.
   Capacité sensible (FCS (Facteur de chaleur sensible) – en anglais : SHF) : FCS pour le mode sensibilité élevée (« High ») = FCS du tableau des capacités normales x rapport FCS.
   Capacità: Capacità totale per modalità ad alta capacità sensibile = Capacità totale per tabella capacità normali X rapporto TC.
   Capaciteit: totale capaciteit in modus grote (“High”) gevoeligheid = totale capaciteit uit de tabel met normale capaciteiten x TC-ratio.
   Производительность: Общая производительность для режима с высоким коэфф. ощутимого охлаждения = Общая производительность для нормального режима, таблица X коэфф. TC.
   Kapasite: Yüksek algı modu için toplam kapasite = Normal kapasite tablosundaki toplam kapasite değeri x TC oranı.

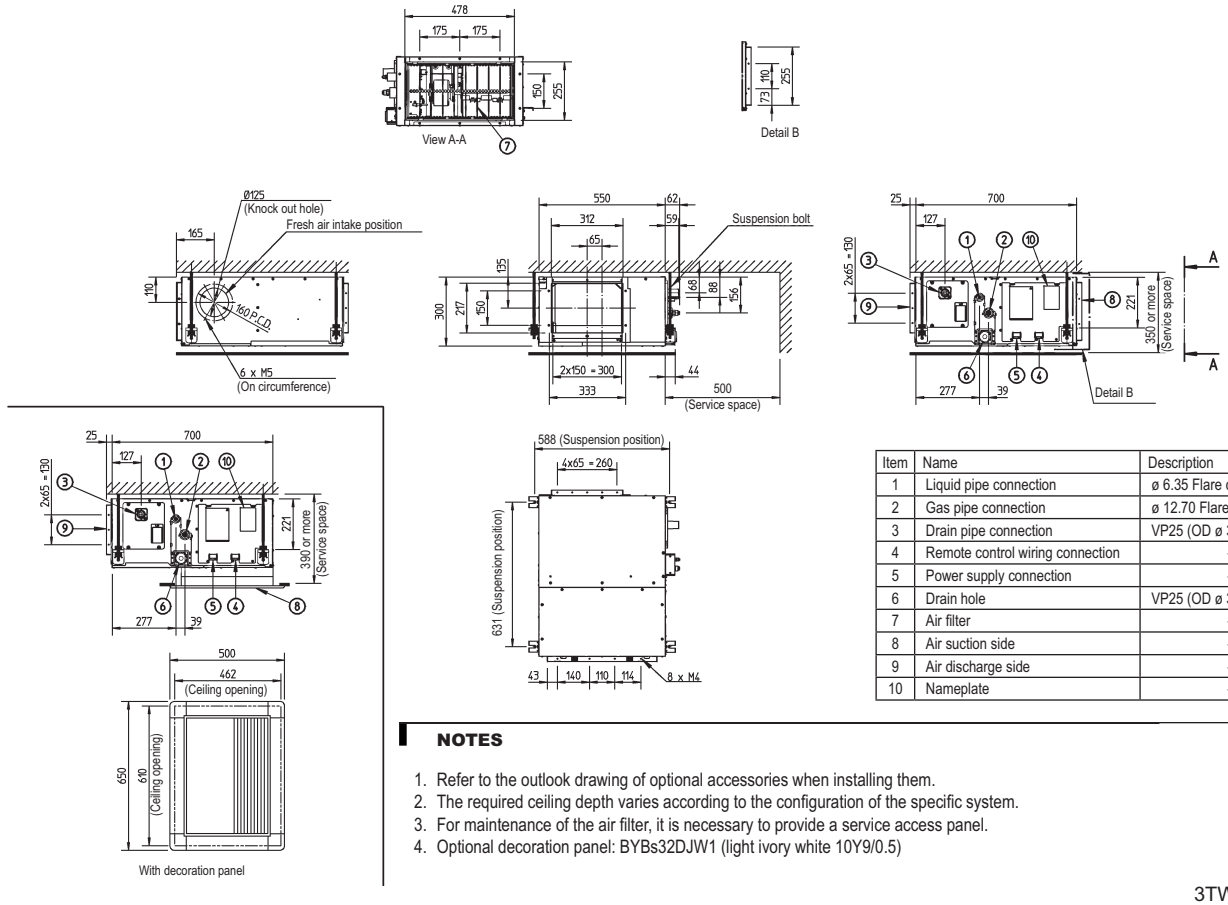
2. Sensible capacity (SHF): SHF for High sensible mode = SHF for normal capacity table X SHF ratio .
   Fühlbare Leistung (SHF): SHF für hochfühlbaren Leistungsmodus = SHF für normale Leistungstabelle x SHF-Verhältnis.
   Αισθητή απόδοση (SHF): SHF για λειτουργία υψηλής ευαισθησίας = SHF για πίνακα κανονικών αποδόσεων X αναλογία SHF .
   Capacidad sensible (FCS): SHF para el modo de alta sensibilidad = SHF para la tabla de capacidad normal X relación SHF.
   Capacité sensible (FCS (Facteur de chaleur sensible) – en anglais : SHF) : FCS pour le mode sensibilité élevée (« High ») = FCS du tableau des capacités normales x rapport FCS.
   Capacità sensibile (SHF): SHF per modalità ad alta capacità sensibile = SHF per tabella capacità normali X rapporto SHF.
   Gevoeligheidscapaciteit (WGF (warmtegevoelsfactor)– in het Engels “SHF”): WGF voor de modus grote (“High”) gevoeligheid = WGF uit de tabel met normale capaciteiten x WGF-ratio.
   Ощутимая производительность (SHF): SHF для режима с высоким коэфф. ощутимого охлаждения = SHF для нормального режима, таблица X коэфф. SHF.
   Algılanabilir kapasite (SHF): Yüksek algı modu için SHF = Normal kapasite tablosundaki SHF değeri x SHF oranı.

3. In case of SHF is bigger than 1 , SHF is “1”
   Für den Fall, dass SHF größer als 1 ist, wird SHF als “1” angenommen.
   Σε περίπτωση που το SHF είναι μεγαλύτερο από 1, το SHF είναι “1”
   En caso de que SHF sea superior a 1 , SHF equivale a “1”
   Si FCS est supérieur à 1, utilisez « 1 » pour FCS.
   Qualora il valore SHF sia maggiore di 1 , SHF è “1”
   Indien WGF groter is dan 1, neem dan “1” voor WGF.
   Если SHF больше 1, то SHF равен “1”
   SHF değeri 1’den büyükse, SHF değeri “1” kabul edilmelidir

6 Dimensional drawings

6 - 1 Dimensional Drawings

FXSQ20-32P



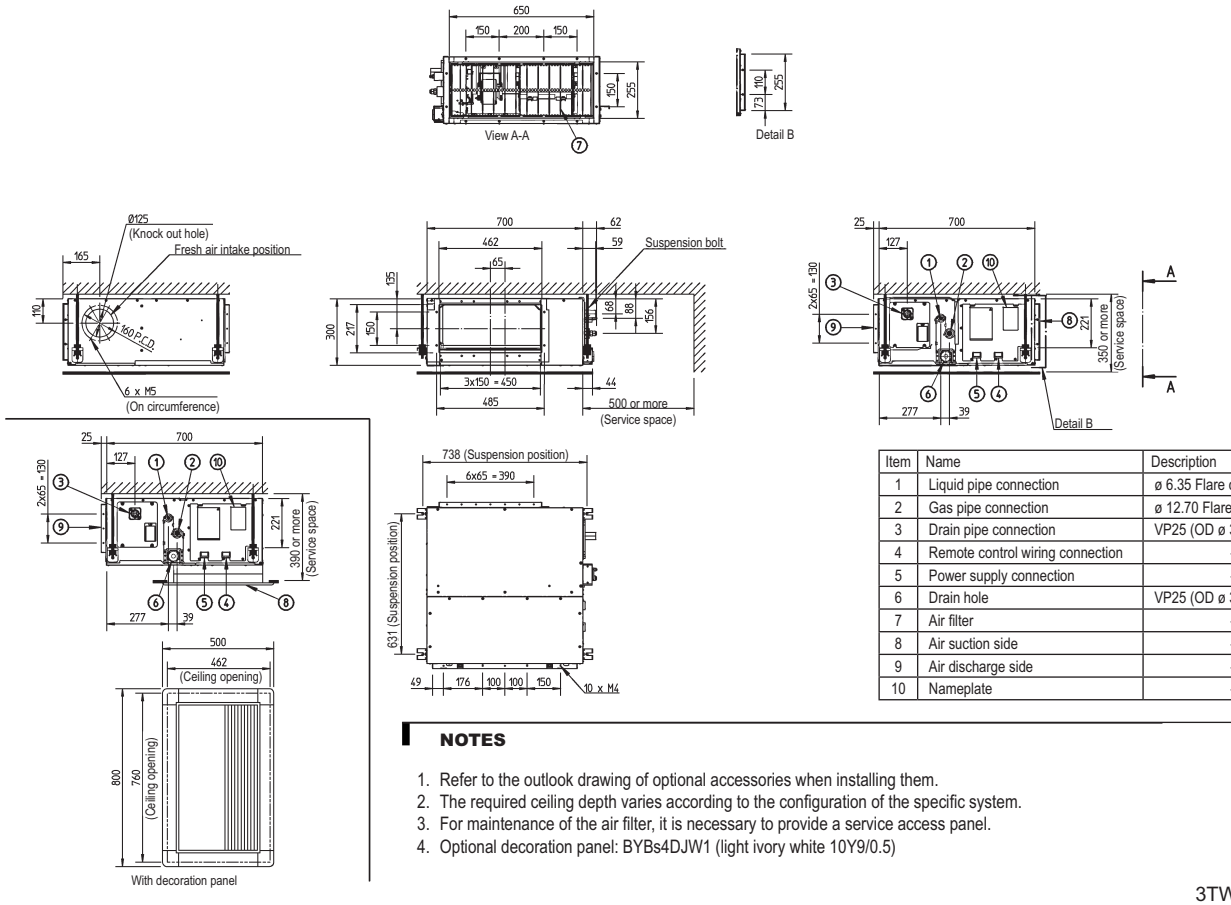
Item	Name	Description
1	Liquid pipe connection	ø 6.35 Flare connection
2	Gas pipe connection	ø 12.70 Flare connection
3	Drain pipe connection	VP25 (OD ø 32, ID ø 25)
4	Remote control wiring connection	-
5	Power supply connection	-
6	Drain hole	VP25 (OD ø 32, ID ø 25)
7	Air filter	-
8	Air suction side	-
9	Air discharge side	-
10	Nameplate	-

NOTES

1. Refer to the outlook drawing of optional accessories when installing them.
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.
4. Optional decoration panel: BYBs32DJW1 (light ivory white 10Y9/0.5)

3TW31184-1B

FXSQ40-50P



Item	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 (OD ø 32, ID ø 25)
4	Remote control wiring connection	-
5	Power supply connection	-
6	Drain hole	VP25 (OD ø 32, ID ø 25)
7	Air filter	-
8	Air suction side	-
9	Air discharge side	-
10	Nameplate	-

NOTES

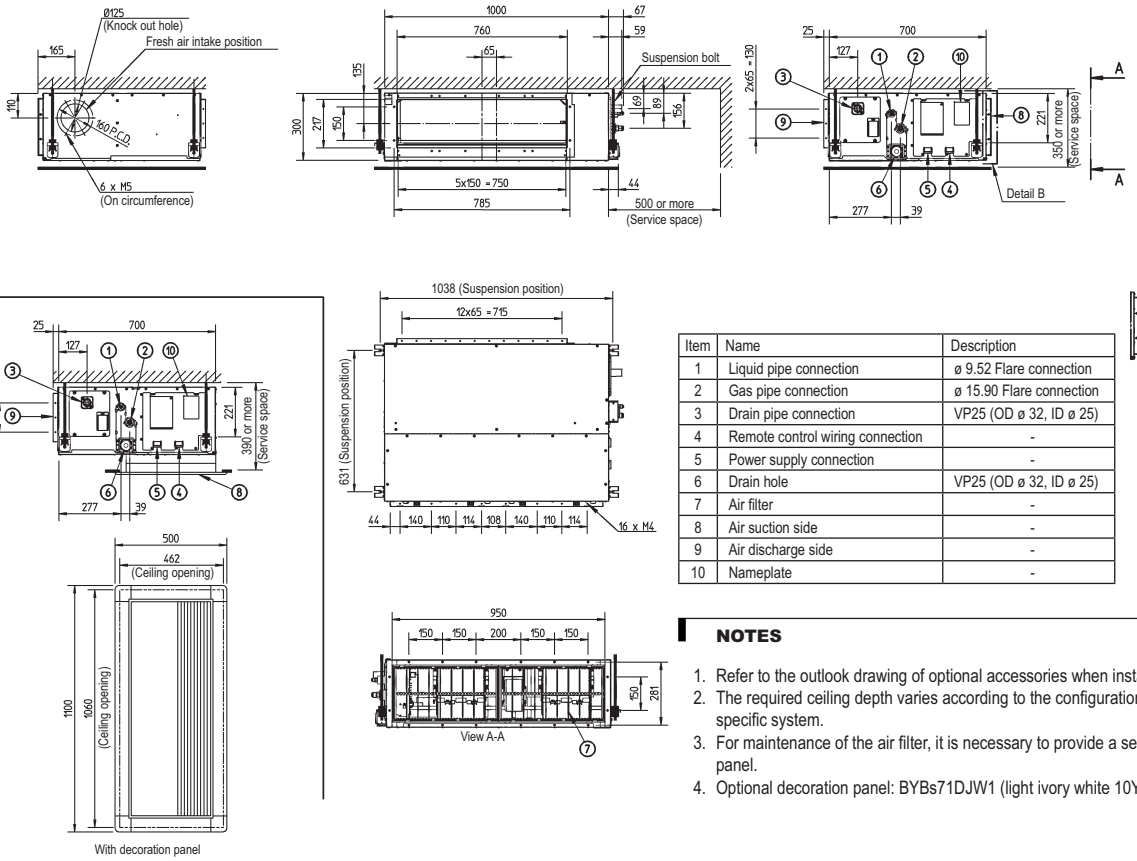
1. Refer to the outlook drawing of optional accessories when installing them.
2. The required ceiling depth varies according to the configuration of the specific system.
3. For maintenance of the air filter, it is necessary to provide a service access panel.
4. Optional decoration panel: BYBs4DJW1 (light ivory white 10Y9/0.5)

3TW31214-1B

6 Dimensional drawings

6 - 1 Dimensional Drawings

FXSQ63-80P



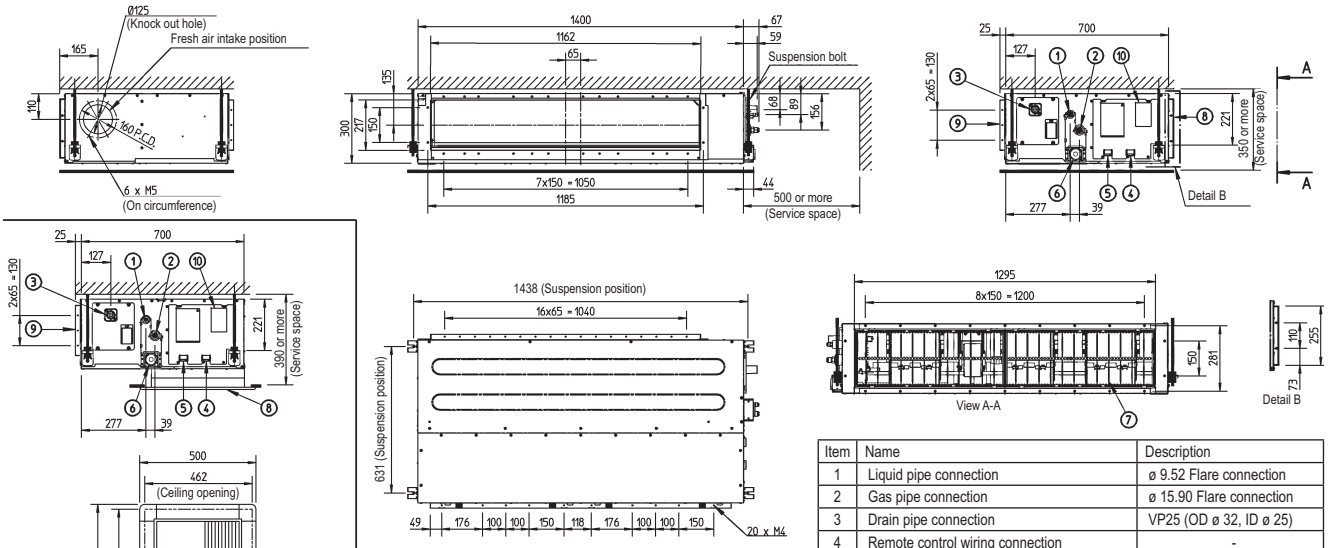
Item	Name	Description
1	Liquid pipe connection	ø 9.52 Flare connection
2	Gas pipe connection	ø 15.90 Flare connection
3	Drain pipe connection	VP25 (OD ø 32, ID ø 25)
4	Remote control wiring connection	-
5	Power supply connection	-
6	Drain hole	VP25 (OD ø 32, ID ø 25)
7	Air filter	-
8	Air suction side	-
9	Air discharge side	-
10	Nameplate	-

NOTES

1. Refer to the outlook drawing of optional accessories when installing them.
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.
4. Optional decoration panel: BYBs71DJW1 (light ivory white 10Y9/0.5)

3TW31234-1B

FXSQ100-140P



Item	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 (OD ø 32, ID ø 25)
4	Remote control wiring connection	-
5	Power supply connection	-
6	Drain hole	VP25 (OD ø 32, ID ø 25)
7	Air filter	-
8	Air suction side	-
9	Air discharge side	-
10	Nameplate	-

NOTES

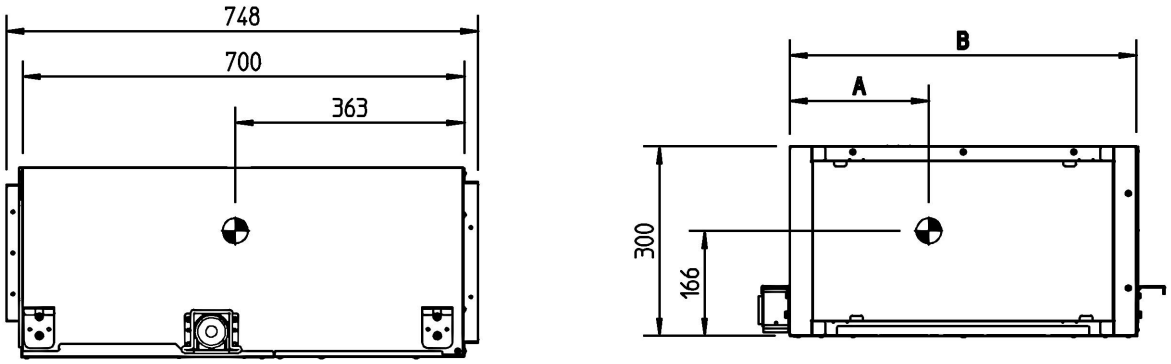
1. Refer to the outlook drawing of optional accessories when installing them.
2. The required ceiling depth varies according to the configuration of the specific system.
3. For maintenance of the air filter, it is necessary to provide a service access panel.
4. Optional decoration panel: BYBs125DJW1 (light ivory white 10Y9/0.5)

3TW31254-1B

7 Centre of gravity

7 - 1 Centre of Gravity

FXSQ-P



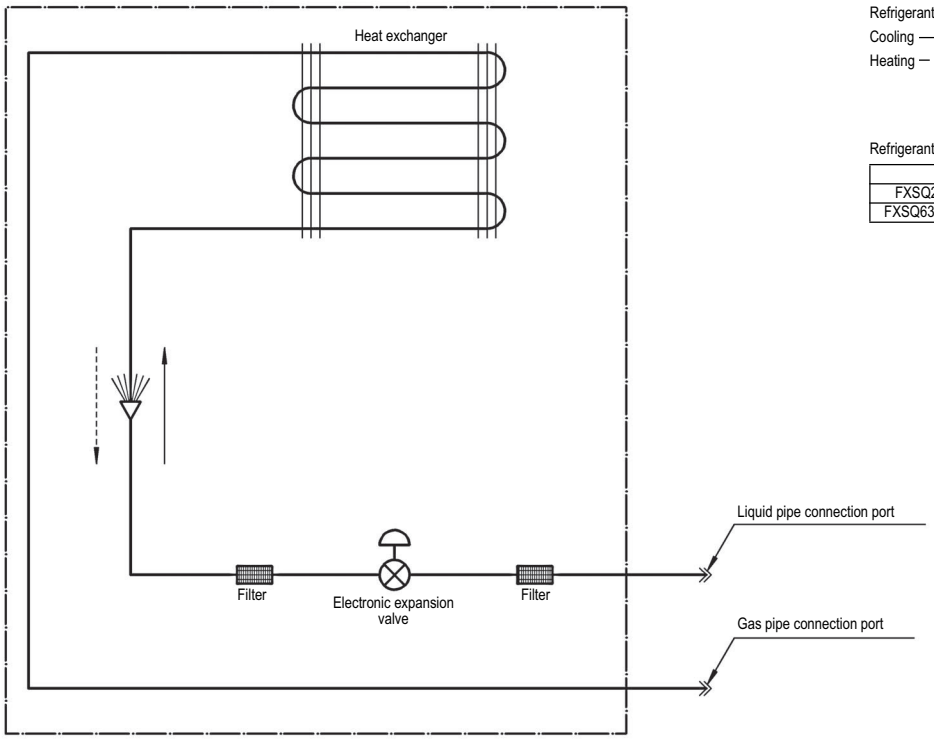
Model	A	B
FXSQ20~32	220	550
FXSQ40,50	283	700
FXSQ63,80	441	1000
FXSQ100,125,140	619	1400

4TW31189-1B

8 Piping diagrams

8 - 1 Piping Diagrams

FXSQ20-140P



Refrigerant flow
Cooling
Heating

Refrigerant pipe connection port diameters

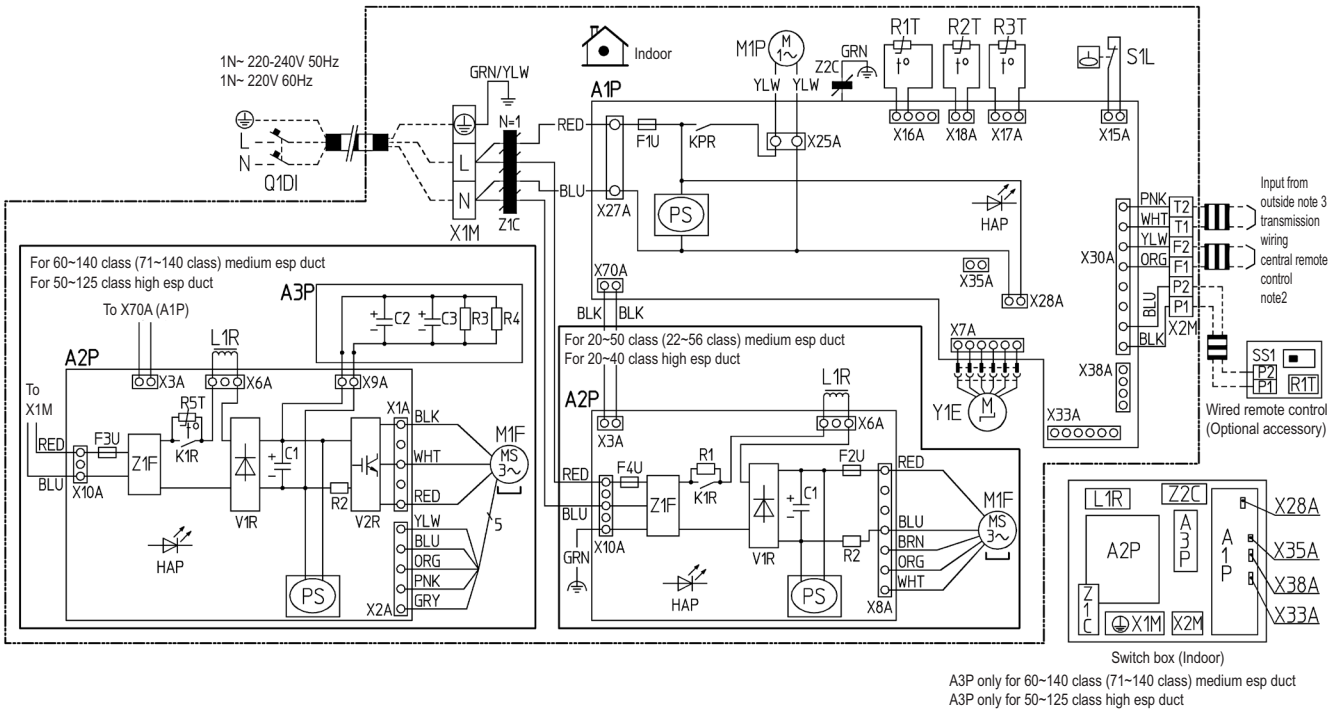
Model	Gas	Liquid
FXSQ20,25,32,40,50	Ø12.70	Ø6.35
FXSQ63,80,100,125,140	Ø15.90	Ø9.52

3TW31185-1A

9 Wiring diagrams

9 - 1 Wiring Diagrams - Single Phase

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.

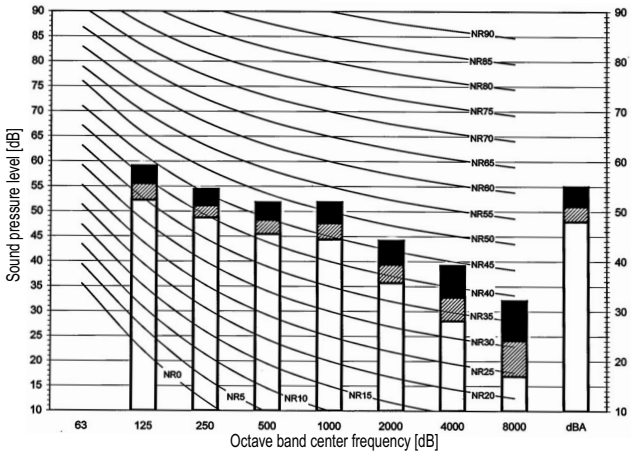
2 When using the central remote control, see manual for connection to the unit.

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.

10 Sound data

10 - 1 Sound Power Spectrum

FXSQ20-25P



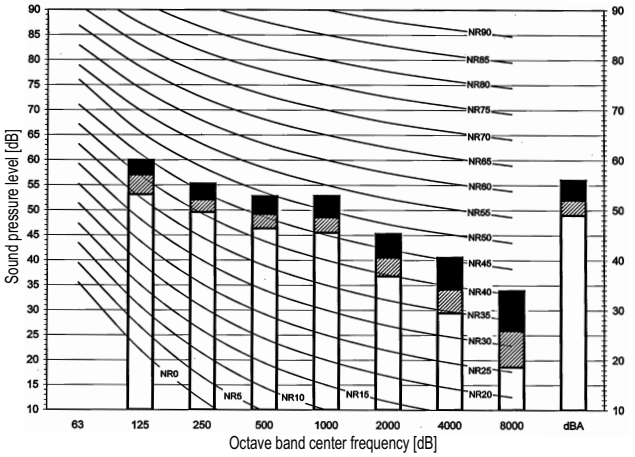
High-tap
Medium-tap
Low-tap

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



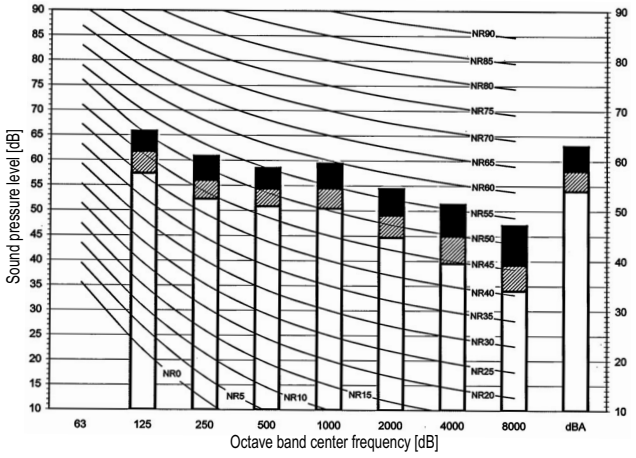
High-tap
Medium-tap
Low-tap

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



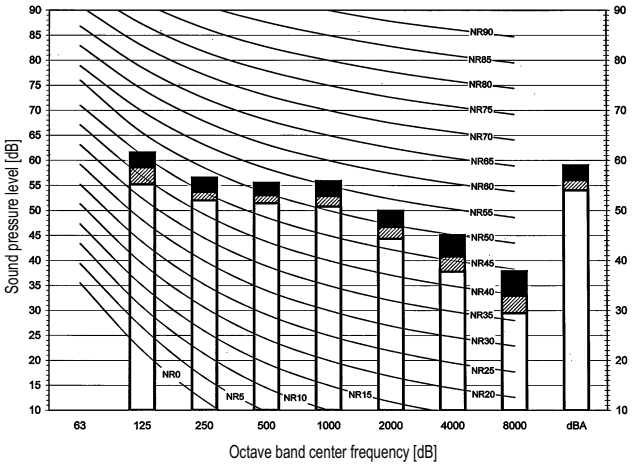
High-tap
Medium-tap
Low-tap

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

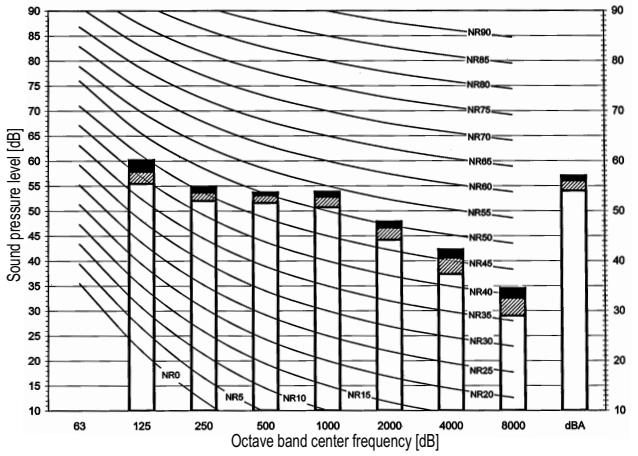
Notes

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

10 Sound data

10 - 1 Sound Power Spectrum

FXSQ80P



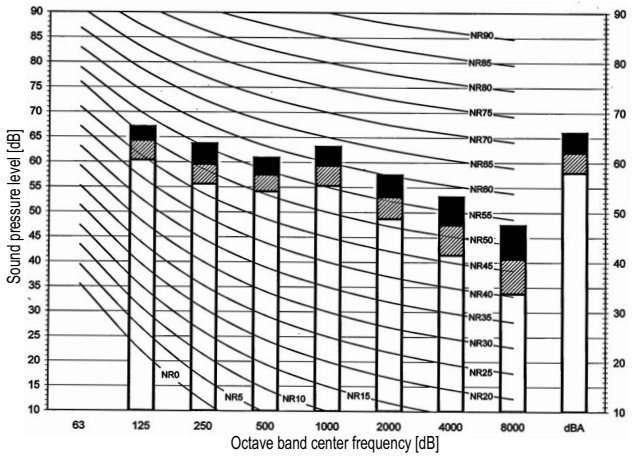
High-tap
Medium-tap
Low-tap

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



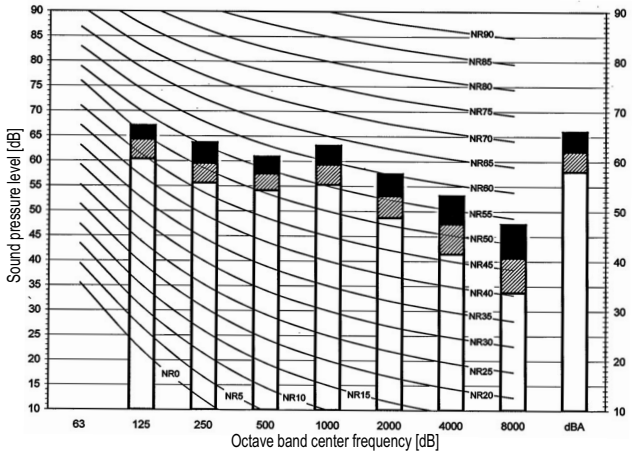
High-tap
Medium-tap
Low-tap

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



High-tap
Medium-tap
Low-tap

3TW31267-1

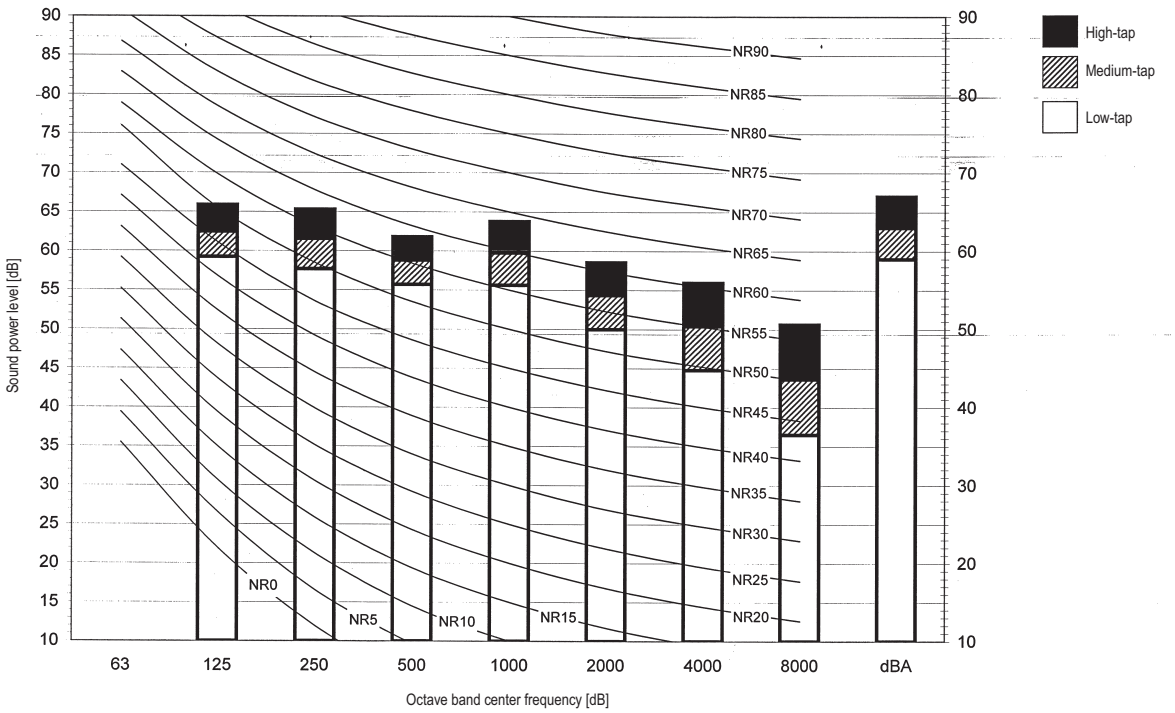
Notes

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

10 Sound data

10 - 1 Sound Power Spectrum

FXSQ140P



3TW32747-1A

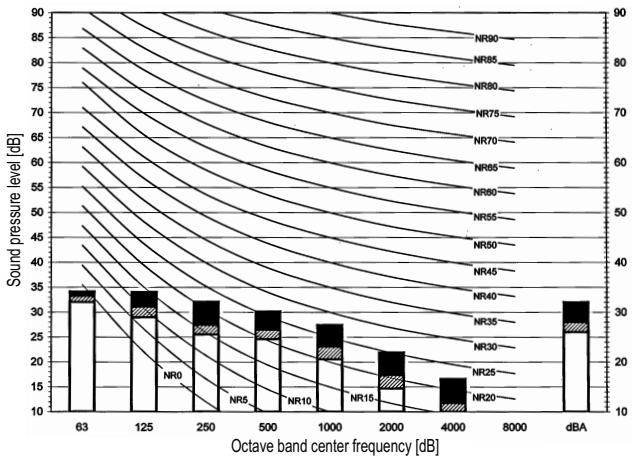
NOTES

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 Sound data

10 - 2 Sound Pressure Spectrum

FXSQ20-25P

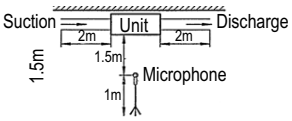


High-tap
Medium-tap
Low-tap

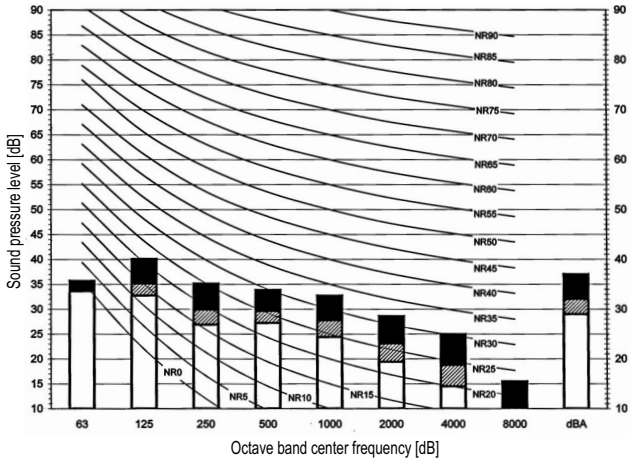
3TW31187-2

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 microphone



FXSQ32P

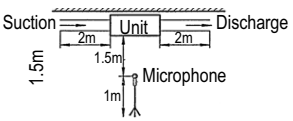


High-tap
Medium-tap
Low-tap

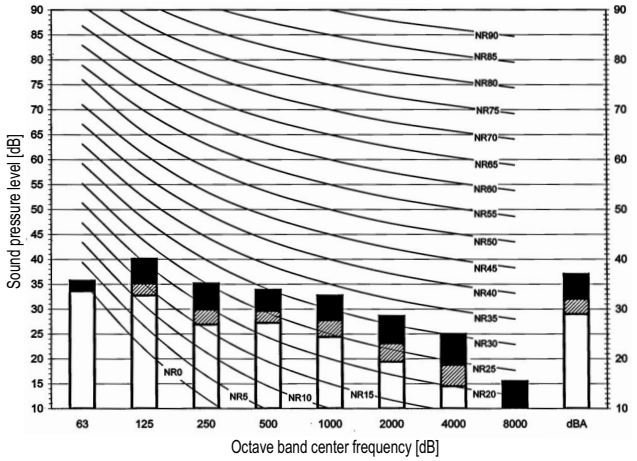
3TW31207-2

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 microphone



FXSQ40-50P

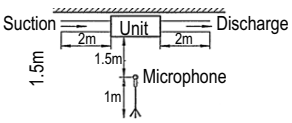


High-tap
Medium-tap
Low-tap

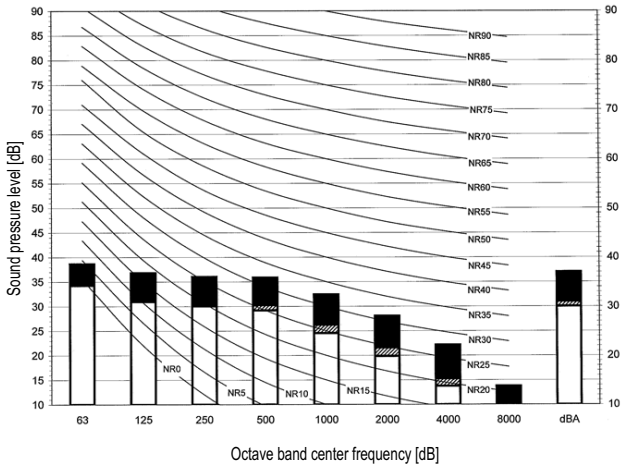
3TW31217-2

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 microphone



FXSQ63P

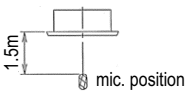


High-tap
Medium-tap
Low-tap

3TW31237-2

Notes

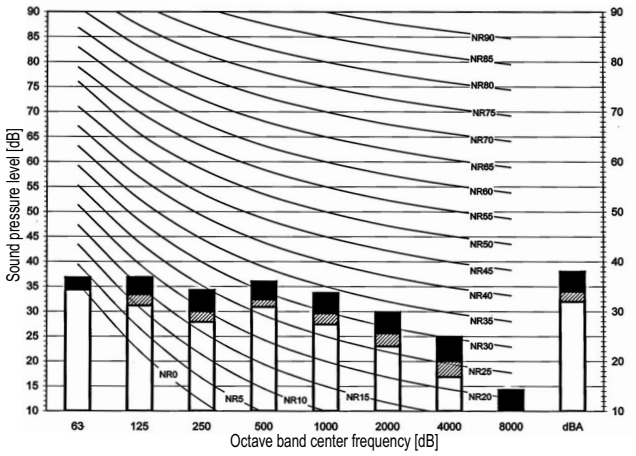
1 Data is valid at free field condition
2 Data is valid at nominal operation condition
3 dBA = A-weighted sound power level. (A-scale according to IEC)
4 Reference acoustic pressures 0dB = 20µPa
5 Location of microphone



10 Sound data

10 - 2 Sound Pressure Spectrum

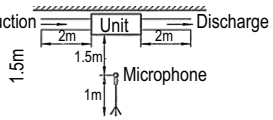
FXSQ80P



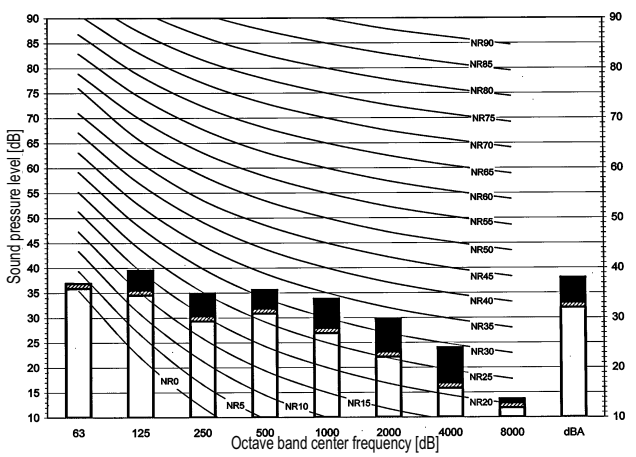
3TW31247-2

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



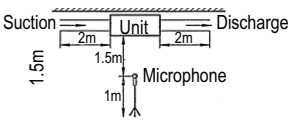
FXSQ100P



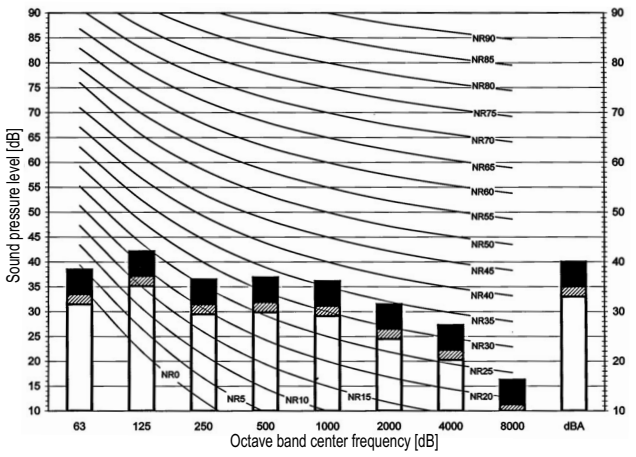
3TW31257-2

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



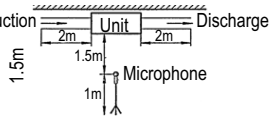
FXSQ125P



3TW31267-2

Notes

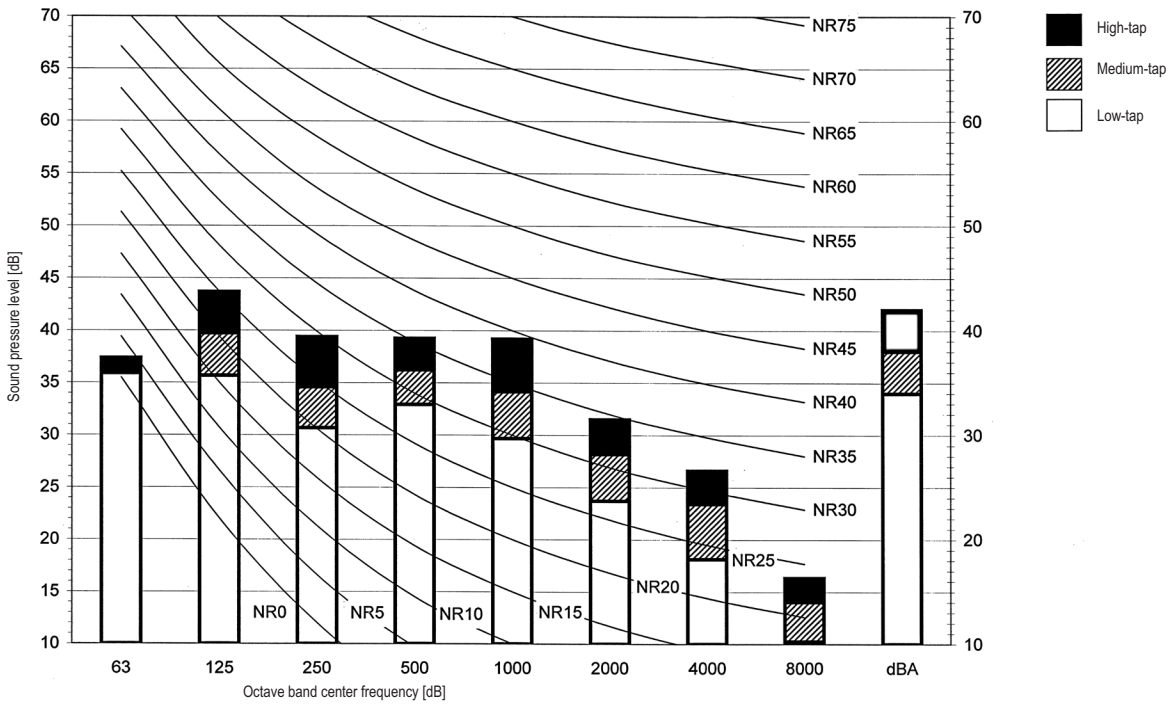
1 Data is valid at free field condition
2 Data is valid at nominal operation condition
3 dBA = A-weighted sound power level. (A-scale according to IEC)
4 Reference acoustic pressures 0dB = 20µPa
5 Location of microphone

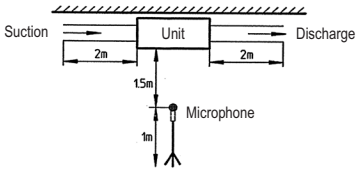


10 Sound data

10 - 2 Sound Pressure Spectrum

FXSQ140P





3TW32747-2

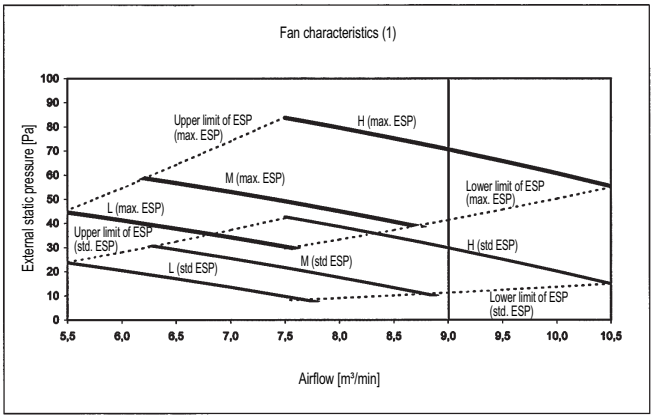
NOTES

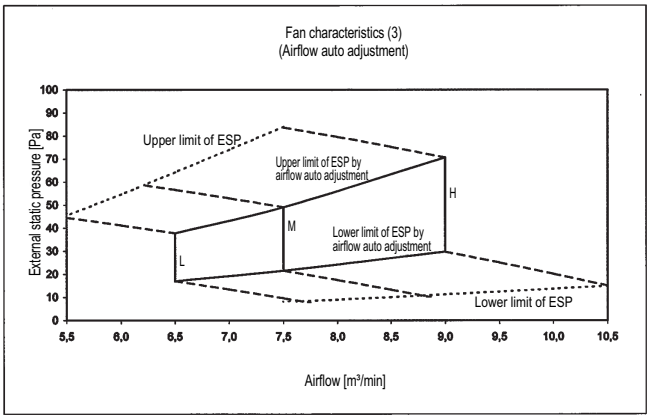
- Data is valid at free field condition
- Data is valid at nominal operation condition
- dBA = A-weighted sound pressure level. (A-scale according to IEC)
- Reference acoustic pressures 0dB = 20µPa

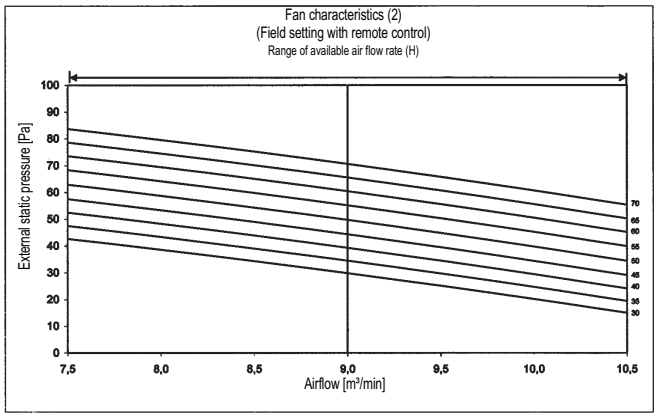
11 Fan characteristics

11 - 1 Fan Characteristics

FXSQ20-25P







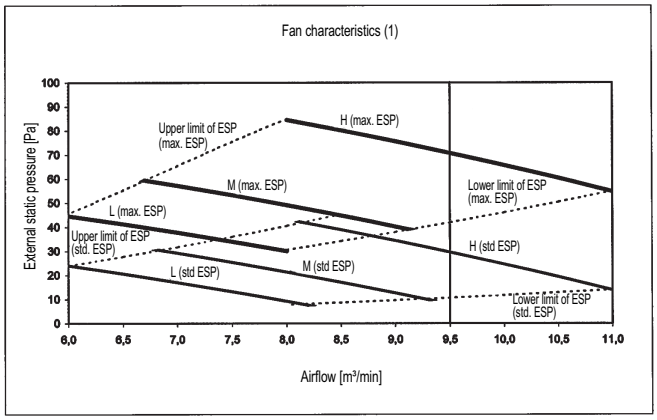
NOTES

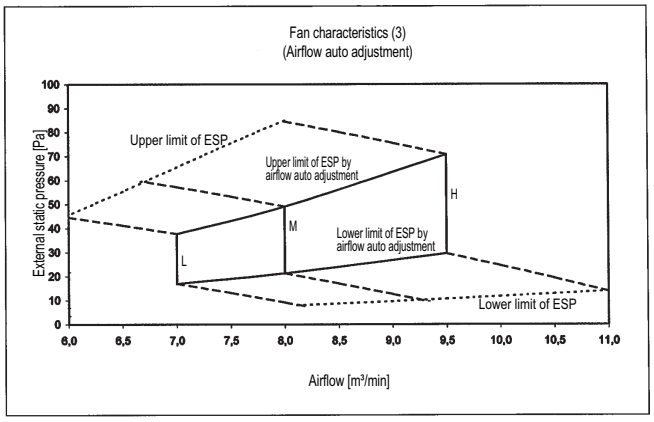
1 Fan characteristics as shown ar in “fan only” mode.

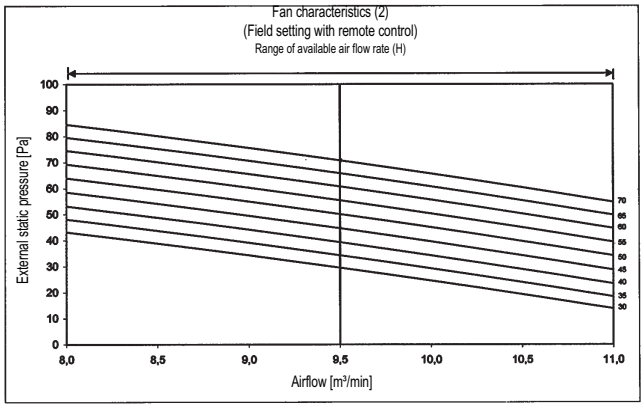
2 ESP: External static pressure

3TW31188-1

FXSQ32P







NOTES

1 Fan characteristics as shown ar in “fan only” mode.

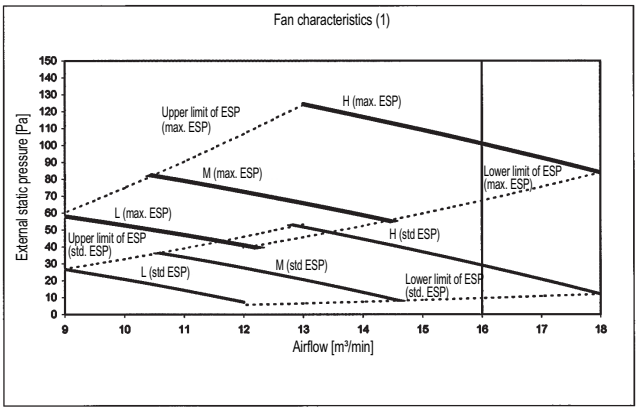
2 ESP: External static pressure

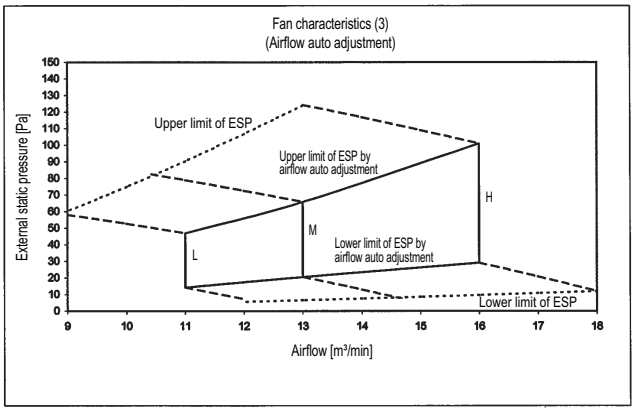
3TW31208-1

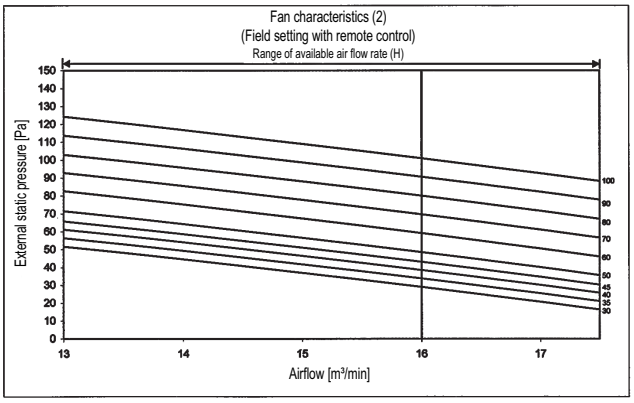
11 Fan characteristics

11 - 1 Fan Characteristics

FXSQ40-50





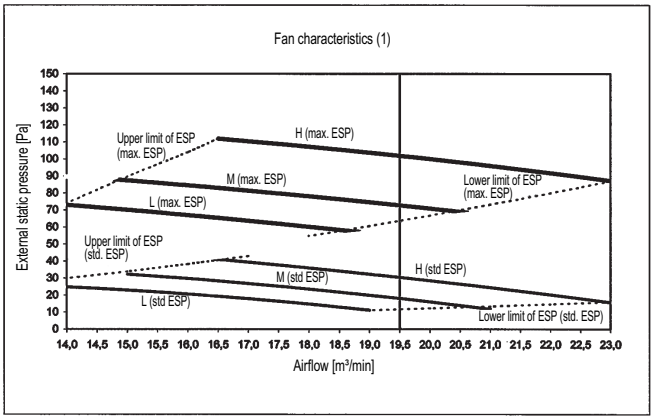


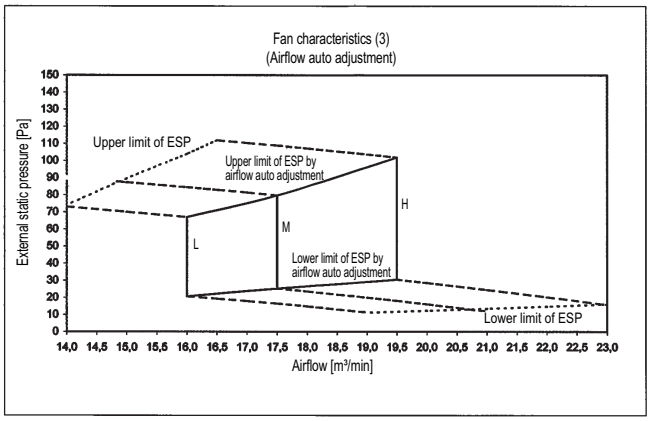
NOTES

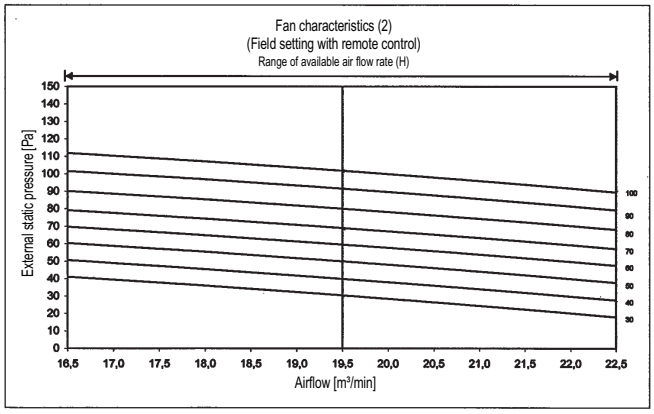
1 Fan characteristics as shown ar in “fan only” mode.
2 ESP: External static pressure

3TW31218-1

FXSQ63P







NOTES

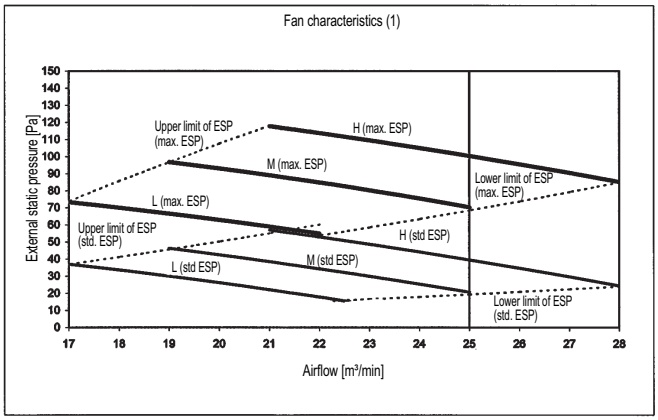
1 Fan characteristics as shown ar in “fan only” mode.
2 ESP: External static pressure

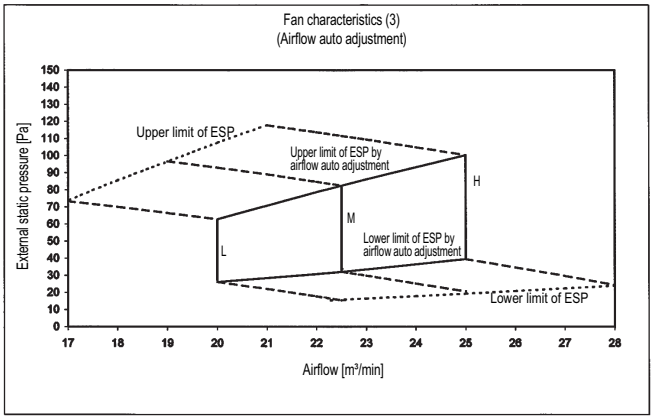
3TW31238-1

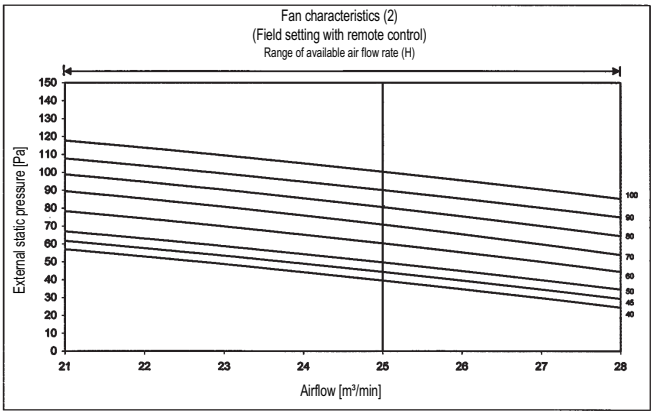
11 Fan characteristics

11 - 1 Fan Characteristics

FXSQ80P7







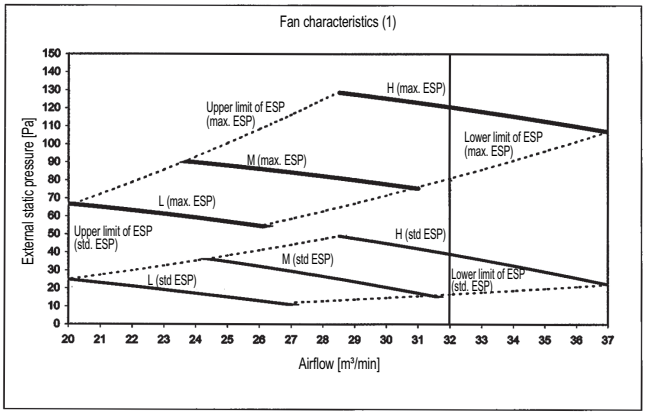
NOTES

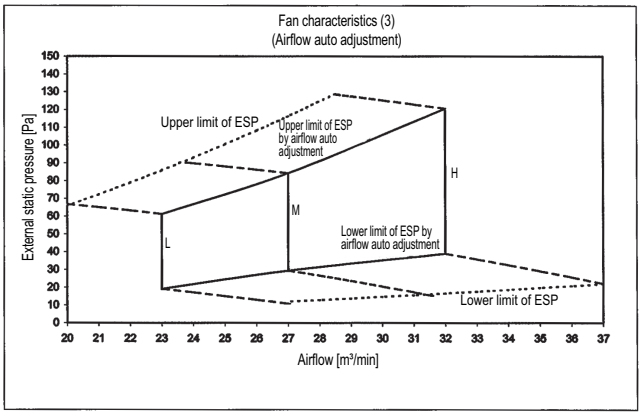
1 Fan characteristics as shown ar in “fan only” mode.

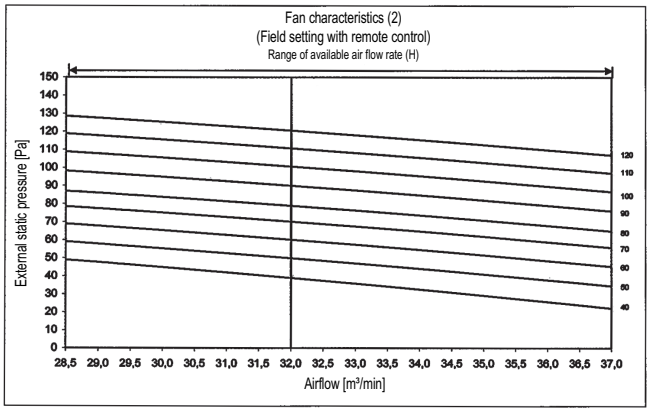
2 ESP: External static pressure

3TW31248-1

FXSQ100P







NOTES

1 Fan characteristics as shown ar in “fan only” mode.

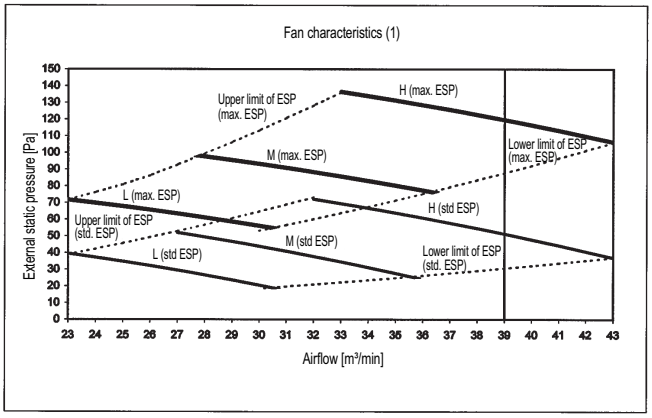
2 ESP: External static pressure

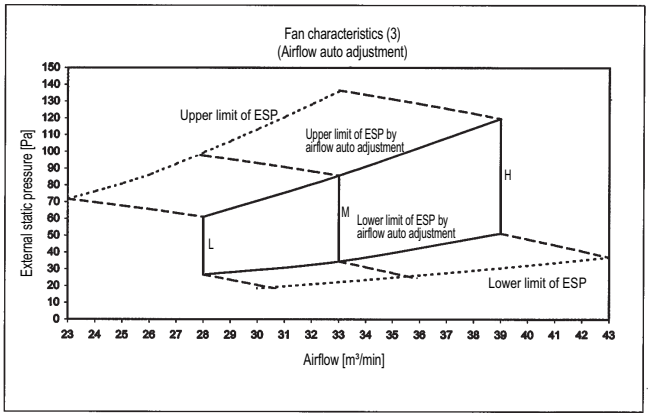
3TW31258-1

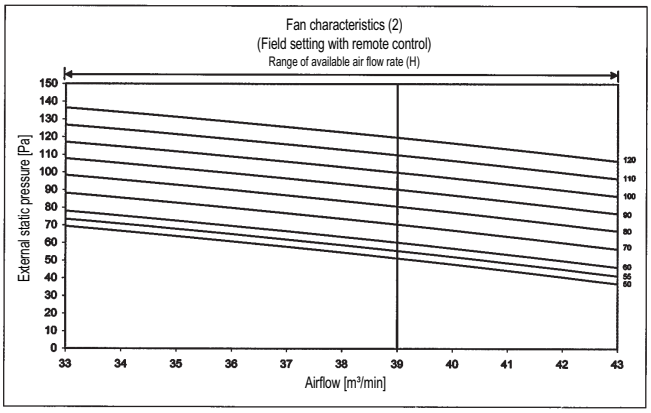
11 Fan characteristics

11 - 1 Fan Characteristics

FXSQ125P





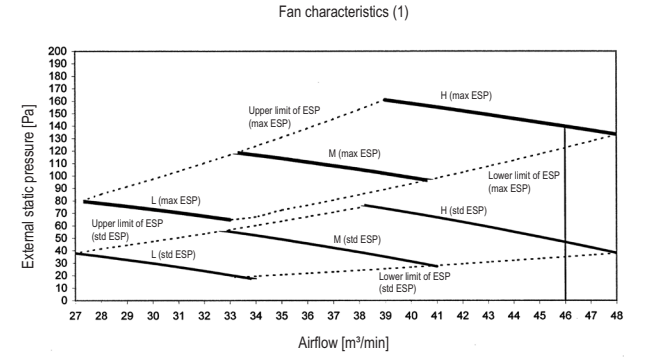


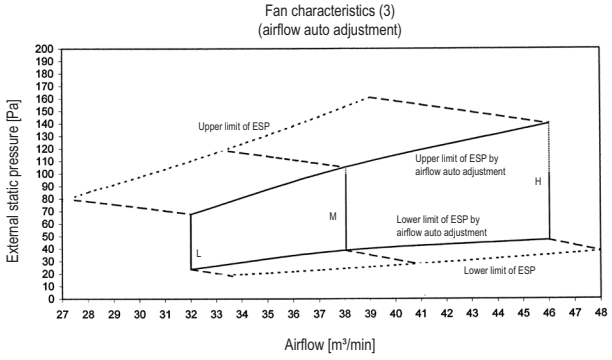
NOTES

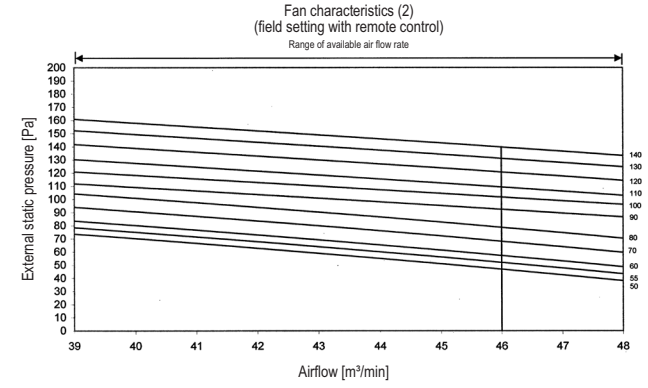
1 Fan characteristics as shown ar in “fan only” mode.
2 ESP: External static pressure

3TW31268-1

FXSQ140P







3TW32748-1

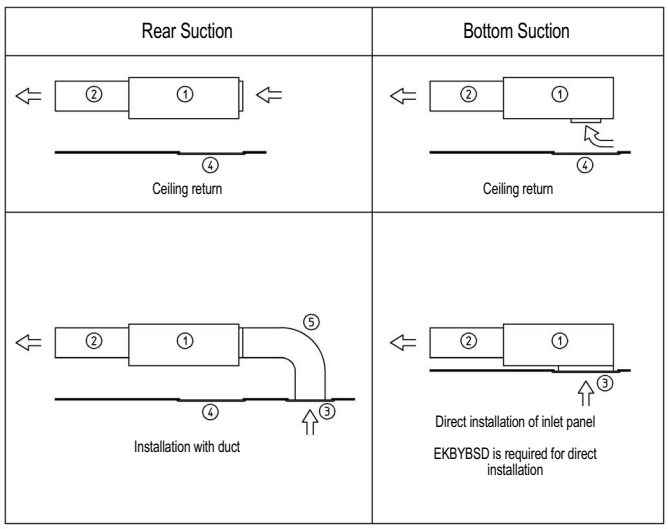
NOTES

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.

12 Installation

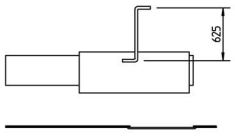
12 - 1 Installation Method

FXSQ-P

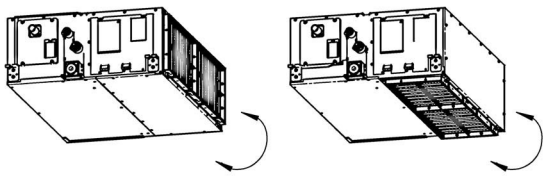


Wide variety of installation methods

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



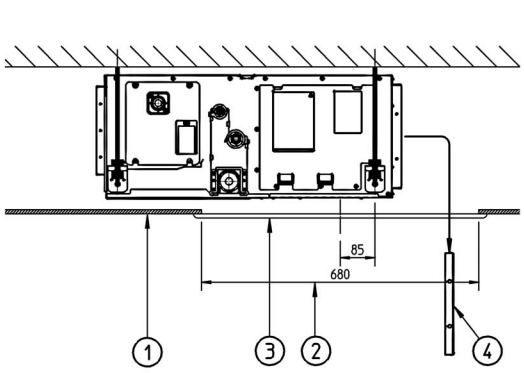
Easy modification from rear to bottom suction

3TW31183-1A

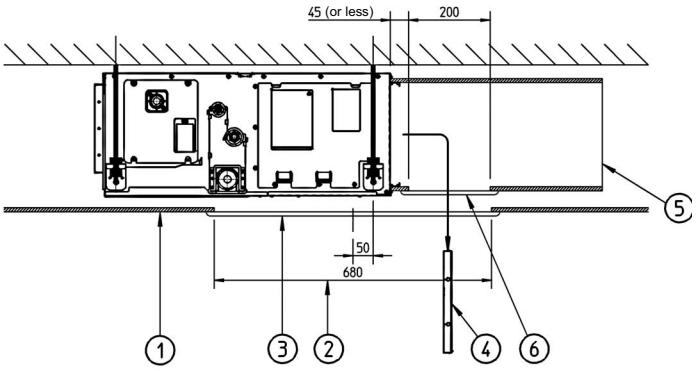
12 Installation

12 - 2 Filter Installation Method

FXSQ-P



Installation without air inlet duct



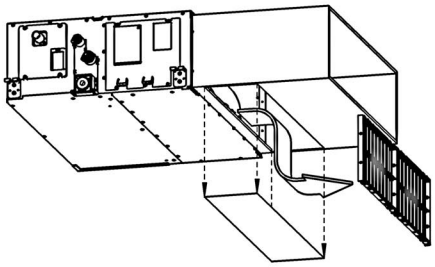
Installation with air inlet duct

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.

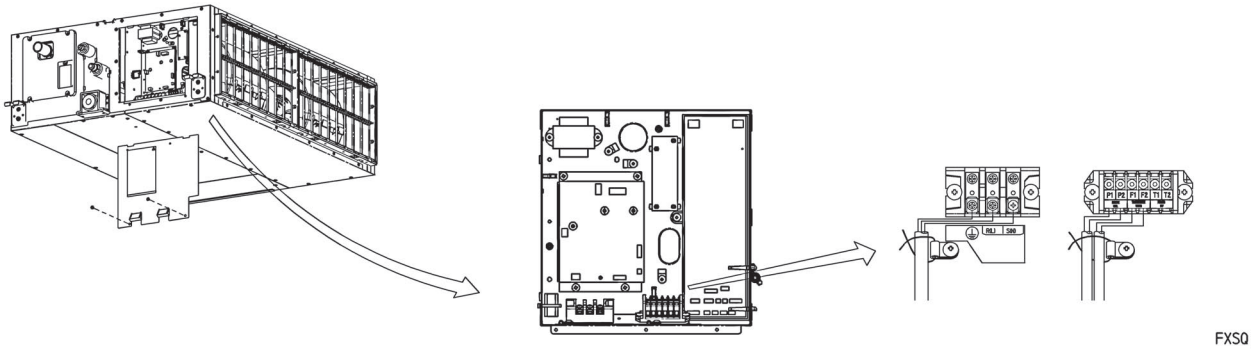


3TW31184-4

12 Installation

12 - 3 Switch Box Connection

FXSQ20-140P



3TW31184-5A

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