Air Conditioning

Technical Data

Concealed ceiling unit with medium ESP

EEDEN15-204

FXSQ-A

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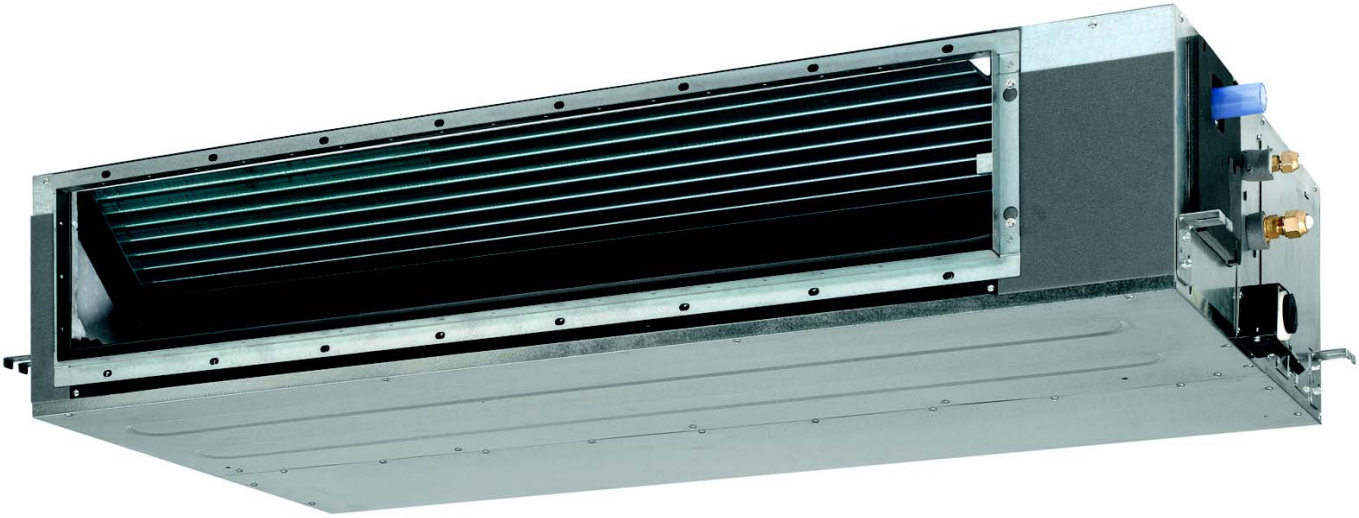
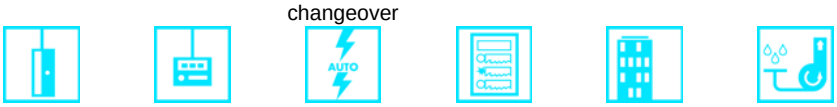
1 Features

Optimum comfort guaranteed no matter the length of ductwork or type of grilles

- Up to 150Pa external static pressure (ESP) to cope with most of the duct and grille setups
- Whisper quiet operation: down to 25dBA sound pressure level
- Narrow ceilings voids are no longer a challenge, these units can swiftly be integrated as they only are 245mm in height.
- Unique automatic air flow adjustment function selects the most appropriate fan curve to achieve the best comfort. With these concealed ceiling units, over 10 fan curves can be chosen to select the most appropriate fan curve for your application
- Flexible installation: - bottom and rear suction allow installation both in low and shallow ceiling voids - choice between free use into a false ceiling or connection to optional suction grilles
- Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
- Reduced energy consumption thanks to specially developed DC fan motor and drain pump
- Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation is required
- Standard built-in drain pump increases flexibility and installation speed



Home leave operation | Fan only | Auto cooling-heating changeover | Whisper quiet | Fan speed steps | Dry programme | Air filter | Weekly timer | Infrared remote control



Wired remote control | Centralised control | Auto-restart | Self diagnosis | Multi tenant | Drain pump kit

2 Specifications

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

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

Standard Accessories : Drain hose; Quantity : 1;

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

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

Standard Accessories : Screws; Quantity : 40;

2 Specifications

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

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

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

2 Specifications

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

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

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

Notes

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

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

Select wire size based on the value of MCA

Maximum allowable voltage range variation between phases is 2%.

Use a circuit breaker instead of a fuse.

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

3 Electrical data

3 - 1 Electrical Data

FXSQ-A

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

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

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

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4 Safety device settings

4 - 1 Safety Device Settings

FXSQ-A

	Safety devices		15	20	25	32	40	50	63	80	100	125	140
FXSQ	Printed circuit board (main)		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	**250V, 3. 15A**
	Printed circuit board (fan)		250V, 6. 3A	250V, 6. 3A	250V, 6. 3A	250V, 6. 3A	250V, 6. 3A	250V, 6. 3A	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	**145**

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5 Options

5 - 1 Options

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FXSQ-A

Discharge related

Description		Option name	FXSQ15~32A	FXSQ40~50A	FXSQ63~80A	FXSQ100~125A	FXSQ140A
Air inlet and discharge related	Air discharge adapter for round duct	KDAP25A36A	x				
		KDAP25A56A		x			
		KDAP25A71A			x		
		KDAP25A140A				x	

Operation control

Description		Option name	FXSQ15~32A	FXSQ40~50A	FXSQ63~80A	FXSQ100~125A	FXSQ140A
Wired remote controller		BRC1D528	x	x	x	x	x
		BRC1E52A/B	x	x	x	x	x
Central remote controller		DCS302CA51	x	x	x	x	x
Unified ON/OFF controller		DCS301BA51	x	x	x	x	x
I-touch controler		DSC601A51	x	x	x	x	x
Schedule timer		DST301BA51	x	x	x	x	x
Adapter for wiring (interlock for fresh air intake fan)		KRP1BA59					
Wiring adapter for electrical appendices		KRP4A52	x (*4)	x (*4)	x (*4)	x (*4)	x (*4)
Wiring adapter for electrical appendices (*2)		KRP2A51	x (*4)	x (*4)	x (*4)	x (*4)	x (*4)
Interface adapter for Sky Air series		DTA112BA51					
Option PCB for external electrical heater, humidifier and/or hour meter		EKRP1B2A	x (*1,2,3)	x (*1,2,3)	x (*1,2,3)	x (*1,2,3)	x (*1,2,3)
Infrared remote controller	H/P	BRC4C65	x	x	x	x	x
	C/O	BRC4C66	x	x	x	x	x
Simplified remote controller (Hotel)		BRC2E52C7	x (*6)	x (*6)	x (*6)	x (*6)	x (*6)
Remote controller for hotel use		BRC23E52C7	x (*6)	x (*6)	x (*6)	x (*6)	x (*6)
Remote sensor		KRCS01-4B	x	x	x	x	x
Electric box with earth terminal - 3 blocks		KJB311A	x	x	x	x	x
Electric box with earth terminal - 2 blocks		KJB212A	x	x	x	x	x
Electric box with earth terminal		KJB411A	x	x	x	x	x
External adaptor for outdoor unit (installation on indoor unit)		DTA104A61	x	x	x	x	x
Option PCB for Multi tenant		DTA114A61	x	x	x	x	x
Installation box for adapter PCB		KRP1BA101	x	x	x	x	x
		KRP1B101	x	x	x	x	x
Digital input adaptor		BRP7A51	x (*3,5)	x (*3,5)	x (*3,5)	x (*3,5)	x (*3,5)

(*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 electrical heater (EKRP1B2) for each indoor unit is required.
(*3) Mounting plate KRP4A96 is required for these options. Maximum 2 option PCB's can be mounted.
(*4) This option needs to be installed toghether with installation box KRP1B101 / KRP1BA101.
(*5) Only possible in combination with simplified remote control BRC2/3E52C7.
(*6) Included languages are:
Language pack 1: English, German, French, Dutch, Spanish, Italian and Portuguese.
With PC cable - EKPCCAB3 - in combination with the Updater PC software, you can additionally change the language to:
Language pack 2: English, Bulgarian, Croatian, Czech, Hungarian, Romanian and Slovenian.
Language pack 3: English, Greek, Polish, Russian, Serbian, Slovakian and Turkish.

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6 Capacity tables

6 - 1 Cooling Capacity Tables

FXSQ-A

FXSQ 50Hz	Unit size		Outdoor °CDB	14,0 WB		16,0 WB		18,0 WB		19,0 WB		20,0 WB		22,0 WB		24,0 WB	
				20,0 DB		23,0 DB		26,0 DB		27,0 DB		28,0 DB		31,0 DB		32,0 DB	
				TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
	15	1.7	10.0	1.1	0.9	1.4	1.1	1.6	1.2	1.7	1.2	1.8	1.3	2.0	1.3	2.1	1.3
			12.0	1.1	0.9	1.4	1.1	1.6	1.2	1.7	1.2	1.8	1.3	2.0	1.3	2.1	1.3
			14.0	1.1	0.9	1.4	1.1	1.6	1.2	1.7	1.2	1.8	1.3	2.0	1.3	2.1	1.3
			16.0	1.1	0.9	1.4	1.1	1.6	1.2	1.7	1.2	1.8	1.3	2.0	1.3	2.1	1.3
			18.0	1.1	0.9	1.4	1.1	1.6	1.2	1.7	1.2	1.8	1.3	2.0	1.3	2.0	1.3
			20.0	1.1	0.9	1.4	1.1	1.6	1.2	1.7	1.2	1.8	1.3	2.0	1.3	2.0	1.2
			21.0	1.1	0.9	1.4	1.1	1.6	1.2	1.7	1.2	1.8	1.3	2.0	1.3	2.0	1.2
			23.0	1.1	0.9	1.4	1.1	1.6	1.2	1.7	1.2	1.8	1.3	1.9	1.3	2.0	1.2
			25.0	1.1	0.9	1.4	1.1	1.6	1.2	1.7	1.2	1.8	1.3	1.9	1.2	1.9	1.2
			27.0	1.1	0.9	1.4	1.1	1.6	1.2	1.7	1.2	1.8	1.3	1.9	1.2	1.9	1.2
			29.0	1.1	0.9	1.4	1.1	1.6	1.2	1.7	1.2	1.8	1.3	1.8	1.2	1.9	1.2
			31.0	1.1	0.9	1.4	1.1	1.6	1.2	1.7	1.2	1.8	1.2	1.8	1.2	1.9	1.2
			33.0	1.1	0.9	1.4	1.1	1.6	1.2	1.7	1.2	1.7	1.2	1.8	1.2	1.8	1.2
			35.0	1.1	0.9	1.4	1.1	1.6	1.2	1.7	1.2	1.7	1.2	1.8	1.2	1.8	1.2
			37.0	1.1	0.9	1.4	1.1	1.6	1.2	1.7	1.2	1.7	1.2	1.7	1.2	1.8	1.1
			39.0	1.1	0.9	1.4	1.1	1.6	1.2	1.6	1.2	1.7	1.2	1.7	1.2	1.7	1.1
	20	2.2	10.0	1.5	1.2	1.8	1.4	2.1	1.6	2.2	1.6	2.3	1.6	2.6	1.7	2.8	1.7
			12.0	1.5	1.2	1.8	1.4	2.1	1.6	2.2	1.6	2.3	1.6	2.6	1.7	2.7	1.7
			14.0	1.5	1.2	1.8	1.4	2.1	1.6	2.2	1.6	2.3	1.6	2.6	1.7	2.7	1.6
			16.0	1.5	1.2	1.8	1.4	2.1	1.6	2.2	1.6	2.3	1.6	2.6	1.7	2.7	1.6
			18.0	1.5	1.2	1.8	1.4	2.1	1.6	2.2	1.6	2.3	1.6	2.6	1.7	2.6	1.6
			20.0	1.5	1.2	1.8	1.4	2.1	1.6	2.2	1.6	2.3	1.6	2.5	1.7	2.6	1.6
			21.0	1.5	1.2	1.8	1.4	2.1	1.6	2.2	1.6	2.3	1.6	2.5	1.6	2.6	1.6
			23.0	1.5	1.2	1.8	1.4	2.1	1.6	2.2	1.6	2.3	1.6	2.5	1.6	2.5	1.6
			25.0	1.5	1.2	1.8	1.4	2.1	1.6	2.2	1.6	2.3	1.6	2.5	1.6	2.5	1.6
			27.0	1.5	1.2	1.8	1.4	2.1	1.6	2.2	1.6	2.3	1.6	2.4	1.6	2.5	1.6
			29.0	1.5	1.2	1.8	1.4	2.1	1.6	2.2	1.6	2.3	1.6	2.4	1.6	2.4	1.5
			31.0	1.5	1.2	1.8	1.4	2.1	1.6	2.2	1.6	2.3	1.6	2.4	1.6	2.4	1.5
			33.0	1.5	1.2	1.8	1.4	2.1	1.6	2.2	1.6	2.3	1.6	2.3	1.5	2.4	1.5
			35.0	1.5	1.2	1.8	1.4	2.1	1.6	2.2	1.6	2.2	1.6	2.3	1.5	2.3	1.5
			37.0	1.5	1.2	1.8	1.4	2.1	1.6	2.2	1.6	2.2	1.6	2.2	1.5	2.3	1.5
			39.0	1.5	1.2	1.8	1.4	2.1	1.6	2.1	1.6	2.2	1.5	2.2	1.5	2.3	1.5
	25	2.8	10.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.1	3.3	2.2	3.5	2.1
			12.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.1	3.3	2.2	3.5	2.1
			14.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.1	3.3	2.2	3.4	2.1
			16.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.1	3.3	2.1	3.4	2.1
			18.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.1	3.3	2.1	3.4	2.1
			20.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.1	3.2	2.1	3.3	2.0
			21.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.1	3.2	2.1	3.3	2.0
			23.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.1	3.2	2.1	3.2	2.0
			25.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.1	3.1	2.1	3.2	2.0
			27.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.1	3.1	2.0	3.2	2.0
			29.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.1	3.0	2.0	3.1	2.0
			31.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	2.9	2.1	3.0	2.0	3.1	1.9
			33.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	2.9	2.0	2.9	2.0	3.0	1.9
			35.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	2.8	2.0	2.9	1.9	3.0	1.9
			37.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	2.8	2.0	2.9	1.9	2.9	1.9
			39.0	1.9	1.5	2.3	1.8	2.6	2.0	2.7	2.0	2.7	2.0	2.8	1.9	2.9	1.9
	32	3.6	10.0	2.4	2.0	2.9	2.3	3.4	2.6	3.6	2.6	3.8	2.7	4.3	2.7	4.6	2.7
			12.0	2.4	2.0	2.9	2.3	3.4	2.6	3.6	2.6	3.8	2.7	4.3	2.7	4.5	2.7
			14.0	2.4	2.0	2.9	2.3	3.4	2.6	3.6	2.6	3.8	2.7	4.3	2.7	4.4	2.7
			16.0	2.4	2.0	2.9	2.3	3.4	2.6	3.6	2.6	3.8	2.7	4.3	2.7	4.4	2.6
			18.0	2.4	2.0	2.9	2.3	3.4	2.6	3.6	2.6	3.8	2.7	4.2	2.7	4.3	2.6
			20.0	2.4	2.0	2.9	2.3	3.4	2.6	3.6	2.6	3.8	2.7	4.2	2.7	4.3	2.6
			21.0	2.4	2.0	2.9	2.3	3.4	2.6	3.6	2.6	3.8	2.7	4.1	2.7	4.2	2.6
			23.0	2.4	2.0	2.9	2.3	3.4	2.6	3.6	2.6	3.8	2.7	4.1	2.7	4.2	2.6
			25.0	2.4	2.0	2.9	2.3	3.4	2.6	3.6	2.6	3.8	2.7	4.0	2.6	4.1	2.5
			27.0	2.4	2.0	2.9	2.3	3.4	2.6	3.6	2.6	3.8	2.7	4.0	2.6	4.1	2.5
			29.0	2.4	2.0	2.9	2.3	3.4	2.6	3.6	2.6	3.8	2.7	3.9	2.6	4.0	2.5
			31.0	2.4	2.0	2.9	2.3	3.4	2.6	3.6	2.6	3.8	2.6	3.8	2.6	3.9	2.5
			33.0	2.4	2.0	2.9	2.3	3.4	2.6	3.6	2.6	3.7	2.6	3.8	2.5	3.9	2.4
			35.0	2.4	2.0	2.9	2.3	3.4	2.6	3.6	2.6	3.6	2.6	3.7	2.5	3.8	2.4
			37.0	2.4	2.0	2.9	2.3	3.4	2.6	3.5	2.6	3.6	2.6	3.7	2.5	3.8	2.4
			39.0	2.4	2.0	2.9	2.3	3.4	2.6	3.5	2.6	3.5	2.5	3.6	2.5	3.7	2.4
	40	4.5	10.0	3.0	2.5	3.6	2.9	4.2	3.3	4.5	3.3	4.8	3.4	5.4	3.5	5.7	3.5
			12.0	3.0	2.5	3.6	2.9	4.2	3.3	4.5	3.3	4.8	3.4	5.4	3.5	5.6	3.5
			14.0	3.0	2.5	3.6	2.9	4.2	3.3	4.5	3.3	4.8	3.4	5.4	3.5	5.5	3.4
			16.0	3.0	2.5	3.6	2.9	4.2	3.3	4.5	3.3	4.8	3.4	5.4	3.5	5.5	3.4
			18.0	3.0	2.5	3.6	2.9	4.2	3.3	4.5	3.3	4.8	3.4	5.3	3.5	5.4	3.4
			20.0	3.0	2.5	3.6	2.9	4.2	3.3	4.5	3.3	4.8	3.4	5.2	3.5	5.3	3.3
			21.0	3.0	2.5	3.6	2.9	4.2	3.3	4.5	3.3	4.8	3.4	5.2	3.4	5.3	3.3
			23.0	3.0	2.5	3.6	2.9	4.2	3.3	4.5	3.3	4.8	3.4	5.1	3.4	5.2	3.3
			25.0	3.0	2.5	3.6	2.9	4.2	3.3	4.5	3.3	4.8	3.4	5.0	3.4	5.1	3.3
			27.0	3.0	2.5	3.6	2.9	4.2	3.3	4.5	3.3	4.8	3.4	5.0	3.3	5.1	3.2
			29.0	3.0	2.5	3.6	2.9	4.2	3.3	4.5	3.3	4.8	3.4	4.9	3.3	5.0	3.2
			31.0	3.0	2.5	3.6	2.9	4.2	3.3	4.5	3.3	4.7	3.4	4.8	3.3	4.9	3.2
			33.0	3.0	2.5	3.6	2.9	4.2	3.3	4.5	3.3	4.6	3.3	4.7	3.2	4.8	3.1
			35.0	3.0	2.5	3.6	2.9	4.2	3.3	4.5	3.3	4.6	3.3	4.7	3.2	4.8	3.1
			37.0	3.0	2.5	3.6	2.9	4.2	3.3	4.4	3.3	4.5	3.3	4.6	3.2	4.7	3.1
			39.0	3.0	2.5	3.6	2.9	4.2	3.3	4.4	3.3	4.4	3.2	4.5	3.1	4.6	3.0
	50	5.6	10.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.7	4.3	7.1	4.3
			12.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.7	4.3	7.0	4.2
			14.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.7	4.3	6.9	4.2
			16.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.7	4.3	6.8	4.1
			18.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.6	4.3	6.7	4.1
			20.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.5	4.2	6.6	4.1
			21.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.4	4.2	6.6	4.1
			23.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.4	4.2	6.5	4.0
			25.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.3	4.1	6.4	4.0
			27.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.2	4.1	6.3	4.0
			29.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	5.9	4.2	6.1	4.1	6.2	3.9
			31.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	5.9	4.1	6.0	4.0	6.1	3.9
			33.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	5.8	4.1	5.9	4.0	6.0	3.8
			35.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	5.7	4.1	5.8	3.9	5.9	3.8
			37.0	3.8	3.1	4.5	3.6	5.2	4.0	5.5	4.1	5.6	4.0	5.7	3.9	5.8	3.8
			39.0	3.8	3.1	4.5	3.6	5.2	4.0	5.4	4.0	5.5	4.0	5.6	3.9	5.8	3.7

TC: Total capacity :kW
SHC: Sensible heating capacity :kW

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6 Capacity tables

6 - 1 Cooling Capacity Tables

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FXSQ-A

FXSQ 50Hz	Unit size		Outdoor °CDB	14,0 WB 20,0 DB TC	14,0 WB 20,0 DB SHC	16,0 WB 23,0 DB TC	16,0 WB 23,0 DB SHC	18,0 WB 26,0 DB TC	18,0 WB 26,0 DB SHC	19,0 WB 27,0 DB TC	19,0 WB 27,0 DB SHC	20,0 WB 28,0 DB TC	20,0 WB 28,0 DB SHC	22,0 WB 30,0 DB TC	22,0 WB 30,0 DB SHC	24,0 WB 32,0 DB TC	24,0 WB 32,0 DB SHC
	63	7.1	10.0	4.8	3.9	5.7	4.5	6.6	5.1	7.1	5.2	7.6	5.3	8.5	5.5	9.0	5.4
			12.0	4.8	3.9	5.7	4.5	6.6	5.1	7.1	5.2	7.6	5.3	8.5	5.5	8.9	5.4
			14.0	4.8	3.9	5.7	4.5	6.6	5.1	7.1	5.2	7.6	5.3	8.5	5.5	8.7	5.3
			16.0	4.8	3.9	5.7	4.5	6.6	5.1	7.1	5.2	7.6	5.3	8.5	5.5	8.6	5.3
			18.0	4.8	3.9	5.7	4.5	6.6	5.1	7.1	5.2	7.6	5.3	8.3	5.4	8.5	5.2
			20.0	4.8	3.9	5.7	4.5	6.6	5.1	7.1	5.2	7.6	5.3	8.2	5.3	8.4	5.2
			21.0	4.8	3.9	5.7	4.5	6.6	5.1	7.1	5.2	7.6	5.3	8.2	5.3	8.3	5.2
			23.0	4.8	3.9	5.7	4.5	6.6	5.1	7.1	5.2	7.6	5.3	8.1	5.3	8.2	5.1
			25.0	4.8	3.9	5.7	4.5	6.6	5.1	7.1	5.2	7.6	5.3	7.9	5.2	8.1	5.1
			27.0	4.8	3.9	5.7	4.5	6.6	5.1	7.1	5.2	7.6	5.3	7.8	5.2	8.0	5.0
			29.0	4.8	3.9	5.7	4.5	6.6	5.1	7.1	5.2	7.5	5.3	7.7	5.1	7.9	5.0
			31.0	4.8	3.9	5.7	4.5	6.6	5.1	7.1	5.2	7.4	5.2	7.6	5.1	7.8	4.9
			33.0	4.8	3.9	5.7	4.5	6.6	5.1	7.1	5.2	7.3	5.2	7.5	5.0	7.6	4.9
			35.0	4.8	3.9	5.7	4.5	6.6	5.1	7.1	5.2	7.2	5.1	7.4	4.9	7.5	4.8
			37.0	4.8	3.9	5.7	4.5	6.6	5.1	7.0	5.1	7.1	5.1	7.2	4.9	7.4	4.8
			39.0	4.8	3.9	5.7	4.5	6.6	5.1	6.9	5.1	7.0	5.0	7.1	4.8	7.3	4.7
	80	9.0	10.0	6.1	4.9	7.2	5.7	8.4	6.3	9.0	6.5	9.6	6.6	10.8	6.8	11.4	6.7
			12.0	6.1	4.9	7.2	5.7	8.4	6.3	9.0	6.5	9.6	6.6	10.8	6.8	11.2	6.6
			14.0	6.1	4.9	7.2	5.7	8.4	6.3	9.0	6.5	9.6	6.6	10.8	6.8	11.1	6.6
			16.0	6.1	4.9	7.2	5.7	8.4	6.3	9.0	6.5	9.6	6.6	10.7	6.8	10.9	6.5
			18.0	6.1	4.9	7.2	5.7	8.4	6.3	9.0	6.5	9.6	6.6	10.6	6.7	10.8	6.4
			20.0	6.1	4.9	7.2	5.7	8.4	6.3	9.0	6.5	9.6	6.6	10.4	6.6	10.6	6.4
			21.0	6.1	4.9	7.2	5.7	8.4	6.3	9.0	6.5	9.6	6.6	10.4	6.6	10.6	6.4
			23.0	6.1	4.9	7.2	5.7	8.4	6.3	9.0	6.5	9.6	6.6	10.2	6.6	10.4	6.3
			25.0	6.1	4.9	7.2	5.7	8.4	6.3	9.0	6.5	9.6	6.6	10.1	6.5	10.3	6.2
			27.0	6.1	4.9	7.2	5.7	8.4	6.3	9.0	6.5	9.6	6.6	9.9	6.4	10.1	6.2
			29.0	6.1	4.9	7.2	5.7	8.4	6.3	9.0	6.5	9.5	6.6	9.8	6.4	10.0	6.1
			31.0	6.1	4.9	7.2	5.7	8.4	6.3	9.0	6.5	9.4	6.5	9.6	6.3	9.8	6.1
			33.0	6.1	4.9	7.2	5.7	8.4	6.3	9.0	6.5	9.3	6.5	9.5	6.2	9.7	6.0
			35.0	6.1	4.9	7.2	5.7	8.4	6.3	9.0	6.5	9.1	6.4	9.3	6.2	9.5	5.9
			37.0	6.1	4.9	7.2	5.7	8.4	6.3	8.9	6.4	9.0	6.3	9.2	6.1	9.4	5.9
			39.0	6.1	4.9	7.2	5.7	8.4	6.3	8.7	6.3	8.8	6.2	9.0	6.1	9.3	5.8
	100	11.2	10.0	7.6	6.3	9.0	7.2	10.5	8.1	11.2	8.3	11.9	8.5	13.4	8.7	14.2	8.7
			12.0	7.6	6.3	9.0	7.2	10.5	8.1	11.2	8.3	11.9	8.5	13.4	8.7	14.0	8.6
			14.0	7.6	6.3	9.0	7.2	10.5	8.1	11.2	8.3	11.9	8.5	13.4	8.7	13.8	8.5
			16.0	7.6	6.3	9.0	7.2	10.5	8.1	11.2	8.3	11.9	8.5	13.3	8.7	13.6	8.4
			18.0	7.6	6.3	9.0	7.2	10.5	8.1	11.2	8.3	11.9	8.5	13.2	8.6	13.4	8.3
			20.0	7.6	6.3	9.0	7.2	10.5	8.1	11.2	8.3	11.9	8.5	13.0	8.6	13.2	8.3
			21.0	7.6	6.3	9.0	7.2	10.5	8.1	11.2	8.3	11.9	8.5	12.9	8.5	13.2	8.2
			23.0	7.6	6.3	9.0	7.2	10.5	8.1	11.2	8.3	11.9	8.5	12.7	8.4	13.0	8.2
			25.0	7.6	6.3	9.0	7.2	10.5	8.1	11.2	8.3	11.9	8.5	12.5	8.3	12.8	8.1
			27.0	7.6	6.3	9.0	7.2	10.5	8.1	11.2	8.3	11.9	8.5	12.3	8.3	12.6	8.0
			29.0	7.6	6.3	9.0	7.2	10.5	8.1	11.2	8.3	11.9	8.4	12.2	8.2	12.4	7.9
			31.0	7.6	6.3	9.0	7.2	10.5	8.1	11.2	8.3	11.7	8.4	12.0	8.1	12.2	7.8
			33.0	7.6	6.3	9.0	7.2	10.5	8.1	11.2	8.3	11.5	8.3	11.8	8.0	12.1	7.7
			35.0	7.6	6.3	9.0	7.2	10.5	8.1	11.2	8.3	11.3	8.2	11.6	7.9	11.9	7.7
			37.0	7.6	6.3	9.0	7.2	10.5	8.1	11.0	8.2	11.2	8.1	11.4	7.8	11.7	7.6
			39.0	7.6	6.3	9.0	7.2	10.5	8.1	10.8	8.1	11.0	8.0	11.2	7.7	11.5	7.5
	125	14.0	10.0	9.4	7.8	11.3	8.9	13.1	10.0	14.0	10.2	14.9	10.4	16.7	10.7	17.7	10.5
			12.0	9.4	7.8	11.3	8.9	13.1	10.0	14.0	10.2	14.9	10.4	16.7	10.7	17.5	10.4
			14.0	9.4	7.8	11.3	8.9	13.1	10.0	14.0	10.2	14.9	10.4	16.7	10.7	17.2	10.3
			16.0	9.4	7.8	11.3	8.9	13.1	10.0	14.0	10.2	14.9	10.4	16.7	10.6	17.0	10.2
			18.0	9.4	7.8	11.3	8.9	13.1	10.0	14.0	10.2	14.9	10.4	16.4	10.6	16.8	10.2
			20.0	9.4	7.8	11.3	8.9	13.1	10.0	14.0	10.2	14.9	10.4	16.2	10.5	16.6	10.1
			21.0	9.4	7.8	11.3	8.9	13.1	10.0	14.0	10.2	14.9	10.4	16.1	10.4	16.4	10.0
			23.0	9.4	7.8	11.3	8.9	13.1	10.0	14.0	10.2	14.9	10.4	15.9	10.3	16.2	9.9
			25.0	9.4	7.8	11.3	8.9	13.1	10.0	14.0	10.2	14.9	10.4	15.6	10.2	16.0	9.8
			27.0	9.4	7.8	11.3	8.9	13.1	10.0	14.0	10.2	14.9	10.4	15.4	10.1	15.8	9.7
			29.0	9.4	7.8	11.3	8.9	13.1	10.0	14.0	10.2	14.9	10.4	15.2	10.0	15.5	9.7
			31.0	9.4	7.8	11.3	8.9	13.1	10.0	14.0	10.2	14.6	10.3	15.0	9.9	15.3	9.6
			33.0	9.4	7.8	11.3	8.9	13.1	10.0	14.0	10.2	14.4	10.1	14.7	9.8	15.1	9.5
			35.0	9.4	7.8	11.3	8.9	13.1	10.0	14.0	10.2	14.2	10.0	14.5	9.7	14.9	9.4
			37.0	9.4	7.8	11.3	8.9	13.1	10.0	13.8	10.1	13.9	9.9	14.3	9.6	14.6	9.3
			39.0	9.4	7.8	11.3	8.9	13.1	10.0	13.5	10.0	13.7	9.8	14.1	9.5	14.4	9.2
	140	16.0	10.0	10.8	8.9	12.9	10.2	15.0	11.4	16.0	11.7	17.0	11.9	19.1	12.2	20.2	12.1
			12.0	10.8	8.9	12.9	10.2	15.0	11.4	16.0	11.7	17.0	11.9	19.1	12.2	20.0	12.0
			14.0	10.8	8.9	12.9	10.2	15.0	11.4	16.0	11.7	17.0	11.9	19.1	12.2	19.7	11.9
			16.0	10.8	8.9	12.9	10.2	15.0	11.4	16.0	11.7	17.0	11.9	19.1	12.2	19.4	11.8
			18.0	10.8	8.9	12.9	10.2	15.0	11.4	16.0	11.7	17.0	11.9	18.8	12.1	19.2	11.7
			20.0	10.8	8.9	12.9	10.2	15.0	11.4	16.0	11.7	17.0	11.9	18.5	12.0	18.9	11.6
			21.0	10.8	8.9	12.9	10.2	15.0	11.4	16.0	11.7	17.0	11.9	18.4	11.9	18.8	11.5
			23.0	10.8	8.9	12.9	10.2	15.0	11.4	16.0	11.7	17.0	11.9	18.1	11.8	18.5	11.4
			25.0	10.8	8.9	12.9	10.2	15.0	11.4	16.0	11.7	17.0	11.9	17.9	11.7	18.3	11.3
			27.0	10.8	8.9	12.9	10.2	15.0	11.4	16.0	11.7	17.0	11.9	17.6	11.6	18.0	11.2
			29.0	10.8	8.9	12.9	10.2	15.0	11.4	16.0	11.7	17.0	11.9	17.4	11.5	17.8	11.1
			31.0	10.8	8.9	12.9	10.2	15.0	11.4	16.0	11.7	16.7	11.8	17.1	11.4	17.5	11.0
			33.0	10.8	8.9	12.9	10.2	15.0	11.4	16.0	11.7	16.5	11.6	16.8	11.3	17.2	10.9
			35.0	10.8	8.9	12.9	10.2	15.0	11.4	16.0	11.7	16.2	11.5	16.6	11.2	17.0	10.8
			37.0	10.8	8.9	12.9	10.2	15.0	11.4	15.7	11.6	15.9	11.4	16.3	11.1	16.7	10.7
			39.0	10.8	8.9	12.9	10.2	15.0	11.4	15.5	11.5	15.7	11.3	16.1	10.9	16.5	10.6

TC: Total capacity :kW
SHC: Sensible heating capacity :kW

3D095999A

6 Capacity tables

6 - 2 Heating Capacity Tables

FXSQ-A

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
15	−19,8	−20,0	1,1	1,1	1,1	1,1	1,1	1,1
	−18,8	−19,0	1,2	1,2	1,1	1,1	1,1	1,1
	−16,7	−17,0	1,2	1,2	1,2	1,2	1,2	1,2
	−14,7	−15,0	1,3	1,3	1,3	1,3	1,3	1,3
	−12,6	−13,0	1,4	1,4	1,4	1,3	1,3	1,3
	−10,5	−11,0	1,4	1,4	1,4	1,4	1,4	1,4
	−8,5	−10,0	1,5	1,5	1,5	1,4	1,4	1,4
	−8,5	−9,1	1,5	1,5	1,5	1,5	1,5	1,5
	−7,0	−7,6	1,6	1,6	1,6	1,5	1,6	1,6
	−5,0	−5,6	1,6	1,6	1,6	1,6	1,6	1,6
	−3,0	−3,7	1,7	1,7	1,7	1,7	1,7	1,7
	0,0	−0,7	1,8	1,8	1,8	1,8	1,8	1,7
	3,0	2,2	1,9	1,9	1,9	1,8	1,8	1,7
	5,0	4,1	1,9	1,9	1,9	1,8	1,8	1,7
	7,0	6,0	2,0	2,0	1,9	1,8	1,8	1,7
	9,0	7,9	2,1	2,0	1,9	1,8	1,8	1,7
	11,0	9,8	2,1	2,0	1,9	1,8	1,8	1,7
	13,0	11,8	2,1	2,0	1,9	1,8	1,8	1,7
	15,0	13,7	2,1	2,0	1,9	1,8	1,8	1,7
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

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
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
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

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6 Capacity tables

6 - 2 Heating Capacity Tables

FXSQ-A

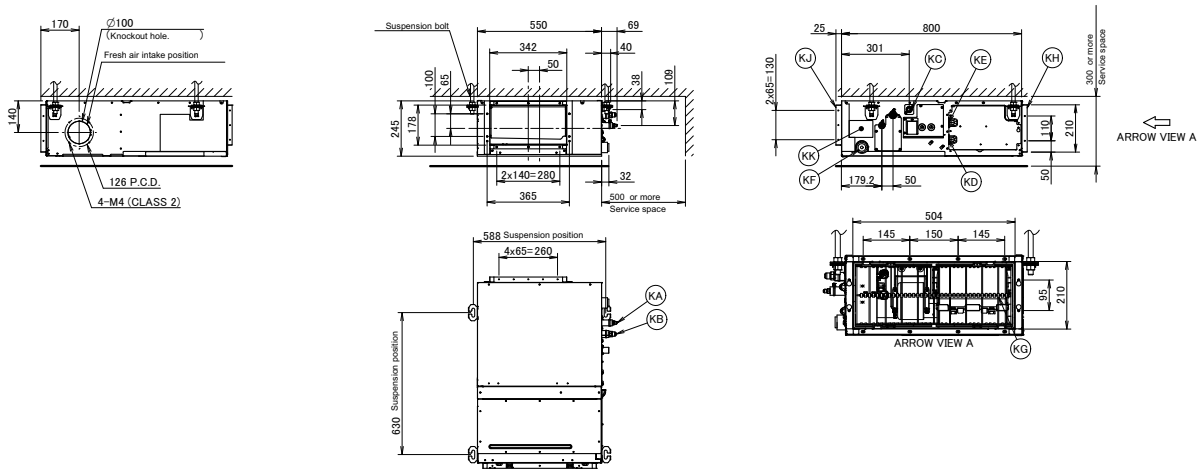
Unit size	Outdoor air temp.		Indoor air temp.: °CDB					
			16,0	18,0	20,0	21,0	22,0	24,0
	°CDB	°CWB	kW	kW	kW	kW	kW	kW
100	−19.8	−20.0	7.4	7.4	7.3	7.3	7.3	7.3
	−18.8	−19.0	7.6	7.6	7.6	7.5	7.5	7.5
	−16.7	−17.0	8.0	8.0	8.0	8.0	8.0	8.0
	−14.7	−15.0	8.5	8.5	8.4	8.4	8.4	8.4
	−12.6	−13.0	8.9	8.9	8.9	8.9	8.9	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	12.9	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

3D095294A

7 Dimensional drawings

7 - 1 Dimensional Drawings

FXSQ15-32A

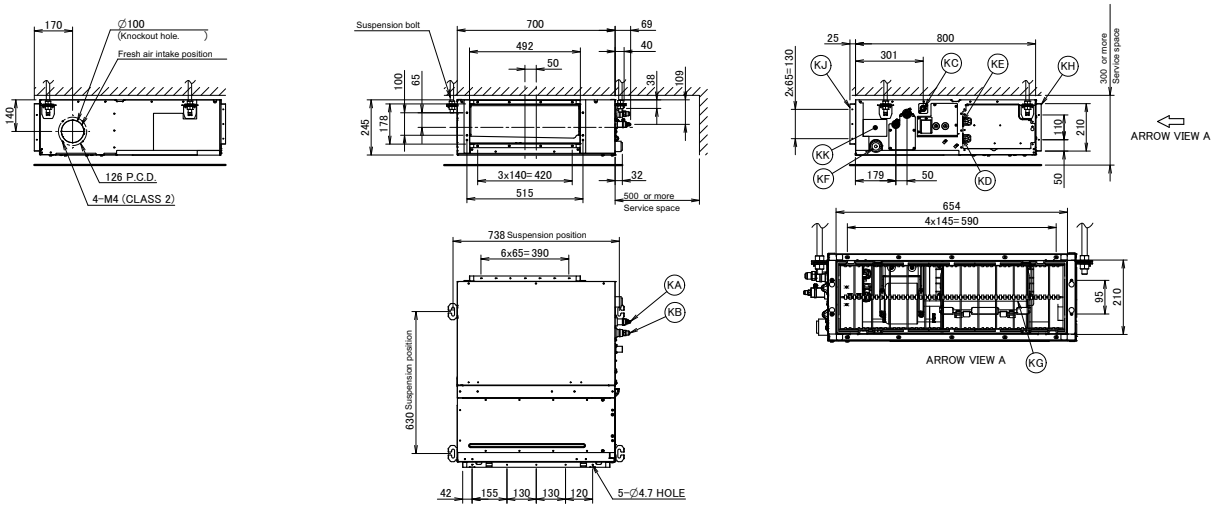


Item	Name	Description
KA	Liquid pipe connection port	Ø6.35 flared connection
KB	Gas pipe connection port	Ø12.70 flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD Ø26, ID Ø20)
KG	Air filter	/
KH	Air suction side	/
KJ	Air discharge side	/
KK	Nameplate	/

Notes
1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

3D094888A

FXSQ40-50A



Item	Name	Description
KA	Liquid pipe connection port	Ø6.35 flared connection
KB	Gas pipe connection port	Ø12.70 flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD Ø26, ID Ø20)
KG	Air filter	/
KH	Air suction side	/
KJ	Air discharge side	/
KK	Nameplate	/

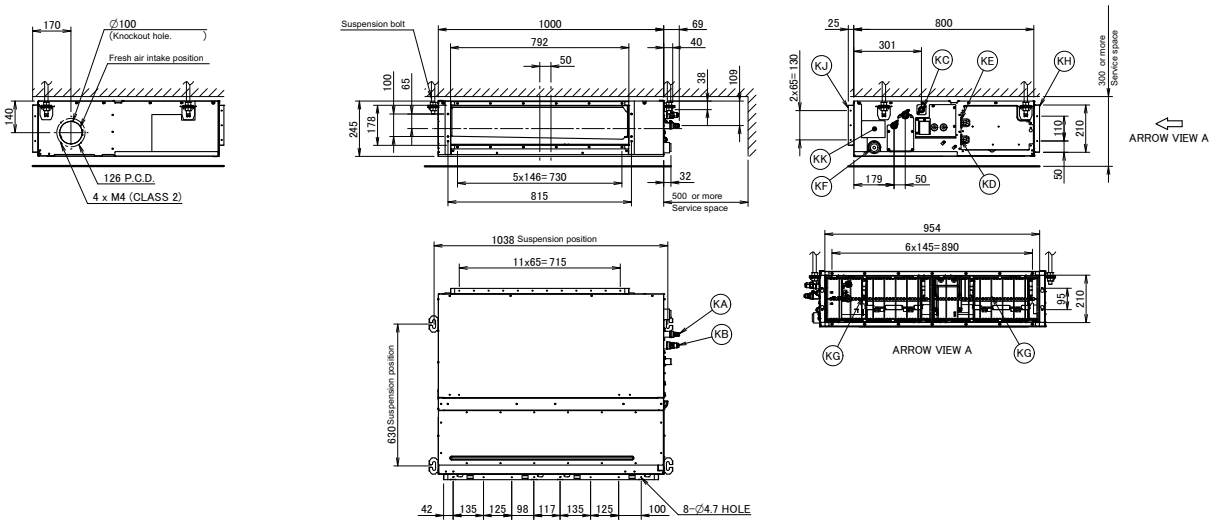
Notes
1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

3D094919A

7 Dimensional drawings

7 - 1 Dimensional Drawings

FXSQ63-80A

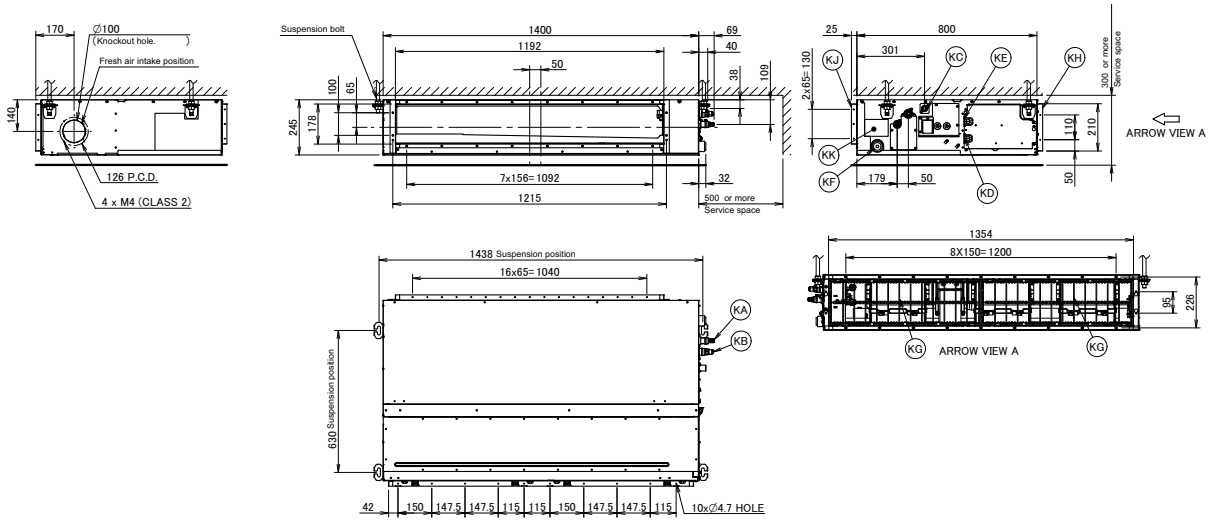


Item	Name	Description
KA	Liquid pipe connection port	Ø9.52 flared connection
KB	Gas pipe connection port	Ø15.90 flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD Ø26, ID Ø20)
KG	Air filter	/
KH	Air suction side	/
KJ	Air discharge side	/
KK	Nameplate	/

Notes
1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

3D094916A

FXSQ100-125A



Item	Name	Description
KA	Liquid pipe connection port	Ø9.52 flared connection
KB	Gas pipe connection port	Ø15.90 flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD Ø26, ID Ø20)
KG	Air filter	/
KH	Air suction side	/
KJ	Air discharge side	/
KK	Nameplate	/

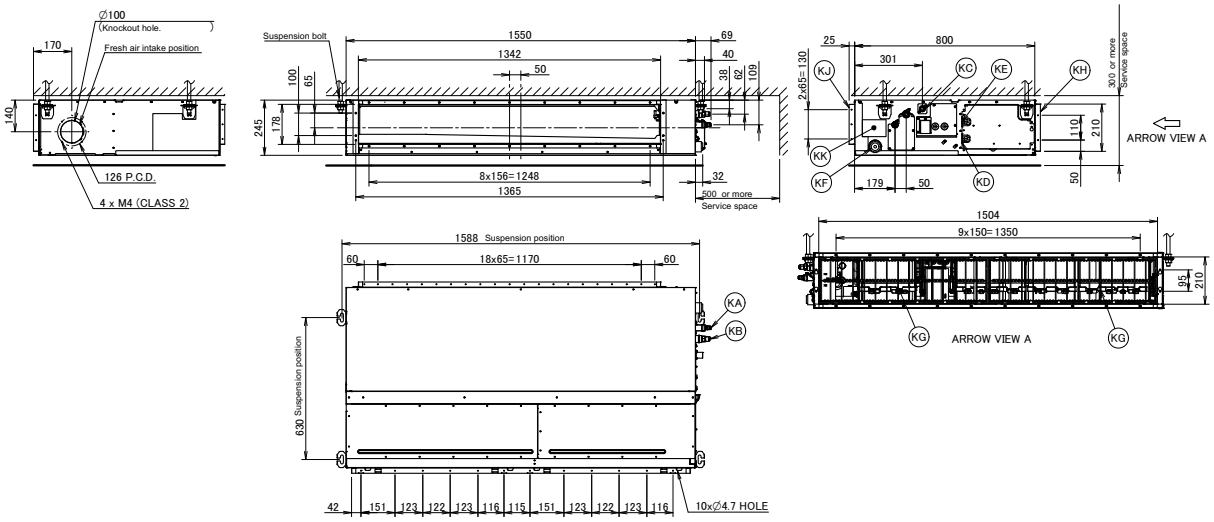
Notes
1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

3D094917A

7 Dimensional drawings

7 - 1 Dimensional Drawings

FXSQ140A



Item	Name	Description
KA	Liquid pipe connection port	Ø9.52 flared connection
KB	Gas pipe connection port	Ø15.90 flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD Ø26, ID Ø20)
KG	Air filter	/
KH	Air suction side	/
KJ	Air discharge side	/
KK	Nameplate	/

Notes

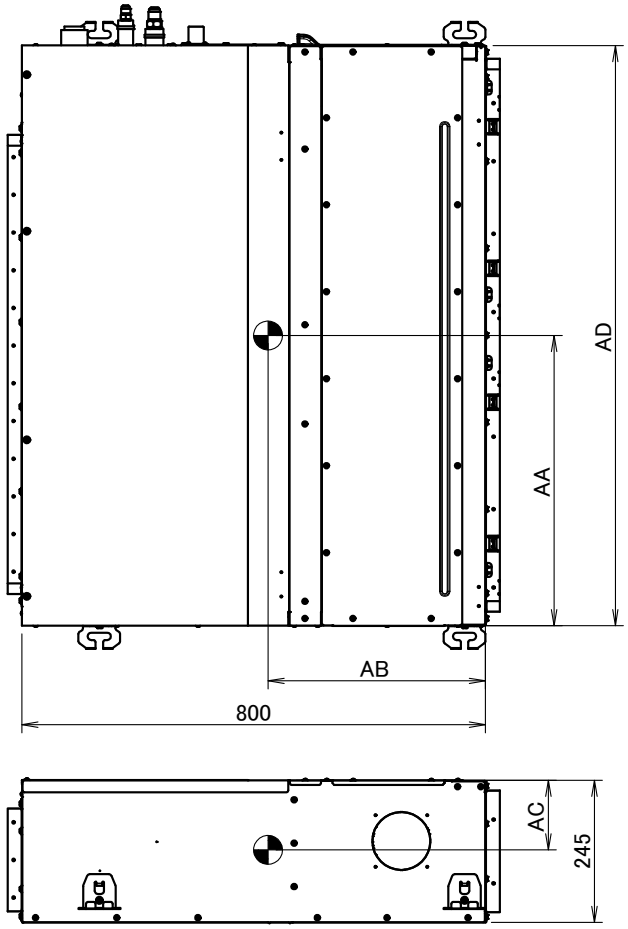
1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

3D094928A

8 Centre of gravity

8 - 1 Centre of Gravity

FXSQ-A



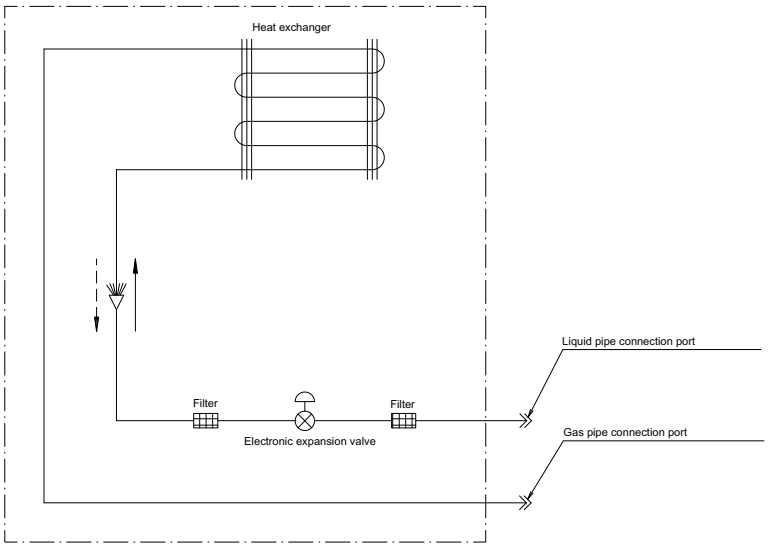
Applicable models	AA	AB	AC	AB
FXSQ15/20/25/32	305	365	145	550
FXSQ40/50	410	375	125	700
FXSQ63/80	525	380	125	100
FXSQ100/125	760	390	115	1400
FXSQ140	870	385	120	1550

4D096407A

9 Piping diagrams

9 - 1 Piping Diagrams

FXSQ-A



Refrigerant flow

Cooling ——►

Heating – — ►

Piping connections Ø

Model	Gas	Liquid
FXSQ15/20/25/32/40/50	Ø 12.70	Ø 6.35
FXSQ63/80/100/125/140	Ø 15.90	Ø 9.52

3D090269A

10 Wiring diagrams

10 - 1 Wiring Diagrams - Single Phase

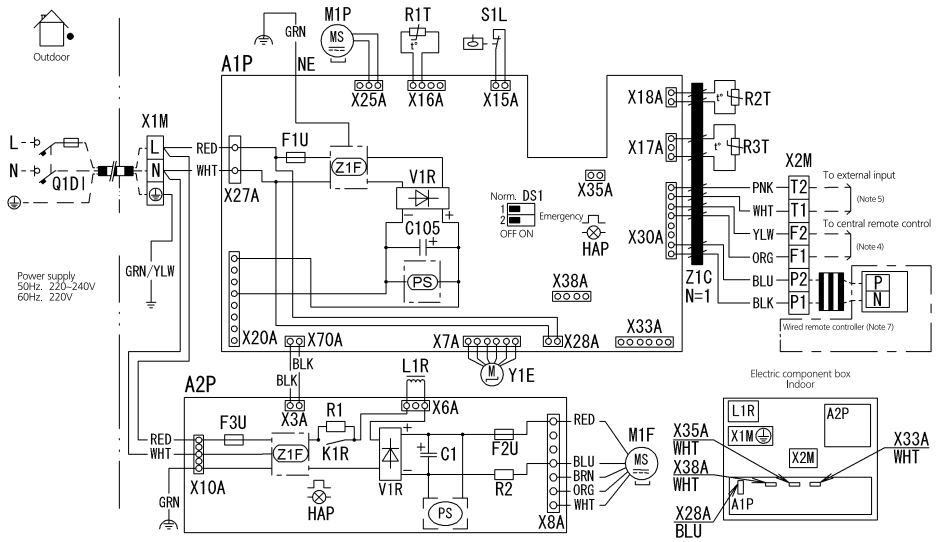
FXSQ15-125A

Indoor unit

A1P	: Printed circuit board
A2P	: Printed circuit board (Fan)
C1	: Capacitor
C105	: Capacitor
DS1	: Selector switch
F1U	: Fuse (T, 3.15A, 250V)
F2U	: Fuse (T, 5A, 250V)
F3U	: Fuse (T, 6.3A, 250V)
HAP	: Indication lamps
K1R	: Magnetic relay
L1R	: Reactor
M1F	: Motor (Indoor fan)
M1P	: Motor (Drain pump)
R1	: Resistor (current sensor)
R2	: Resistor (current sensor)
R1T	: Thermistor (Suction)
R2T	: Thermistor (Liquid)
R3T	: Thermistor (Coil)
S1L	: Float switch
V1R	: Diode bridge
PS	: Switching power supply
X1M	: Terminal strip (Power supply)
X2M	: Terminal block (Control)
Y1E	: Electronic expansion valve coil
Z1F	: Noise filter
Z1C	: Ferrite core
Z2C	: Ferrite core
Q1DI	: Earth leakage breaker

Connector (Optional accessories)

X28A	: Connector (Power supply for wiring)
X33A	: Connector (for wiring)
X35A	: Connector (Power supply for adapter)
X38A	: Connector (for wiring)



Notes

1. ▭▭▭ : Screw terminal ▭ : Connector, ▬▬▬ : Field wiring
2. In case of a multi-indoor-unit-system with parallel operation, refer to the documentation fo the indoor units.
3. For details, refer to the wiring diagram attached to the outdoor unit.
4. When using a central remote control, connect it to the unit according to the installation manual.
5. When connecting the input wires from outside, forced OFF or ON/OFF control operation can be selected by the remote controller. for more information, see installation manual
6. For a multi-indoor-unit-system with parallel operation, the connection ration (number of indoor units you can connect to the outdoor unit) is different. Before connecting, refer to the Technical data of the General catalogue.
7. For how to switch between the main unit and the sub units, refer to the installation manual of the remote control.
8. Colours: BLK:Black; RED:Red; BLU:Blue; WHT:White; GRN:Green; YLW:Yellow; BRN:Brown; ORG:Orange; PNK:Pink

3D090349A

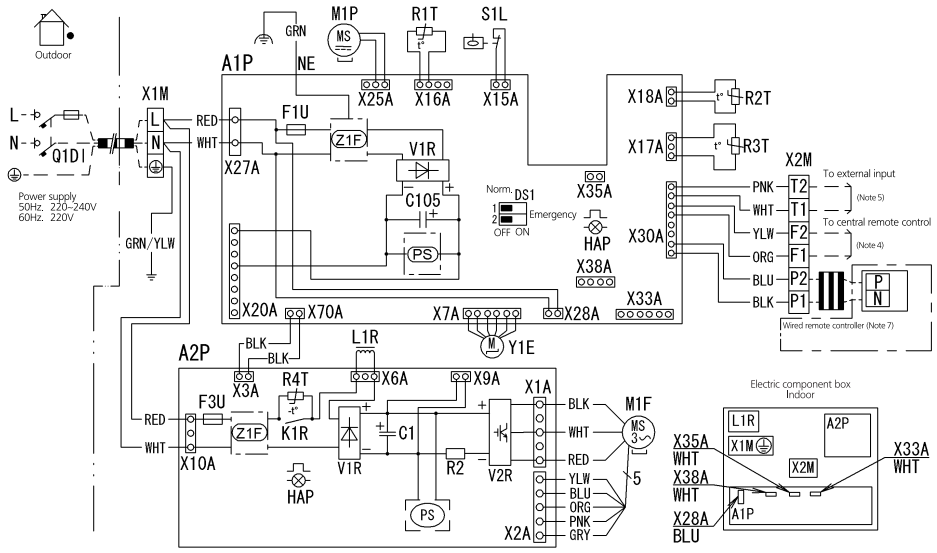
FXSQ140A

Indoor unit

A1P	: Printed circuit board
A2P	: Printed circuit board (Fan)
C1	: Capacitor
C105	: Capacitor
DS1	: Selector switch
F1U	: Fuse (T, 3.15A, 250V)
F3U	: Fuse (T, 6.3A, 250V)
HAP	: Indication lamps
K1R	: Magnetic relay
L1R	: Reactor
M1F	: Motor (Indoor fan)
M1P	: Motor (Drain pump)
R2	: Resistor (current sensor)
R1T	: Thermistor (Suction)
R2T	: Thermistor (Liquid)
R3T	: Thermistor (Coil)
R4T	: Thermistor NTC (current limiting)
S1L	: Float switch
V1R	: Diode bridge
V2R	: Power module
PS	: Switching power supply
X1M	: Terminal strip (Power supply)
X2M	: Terminal block (Control)
Y1E	: Electronic expansion valve coil
Z1F	: Noise filter
Q1DI	: Earth leakage breaker

Connector (Optional accessories)

X28A	: Connector (Power supply for wiring)
X33A	: Connector (for wiring)
X35A	: Connector (Power supply for adapter)
X38A	: Connector (for wiring)



Notes

1. ▭▭▭ : Screw terminal ▭ : Connector, ▬▬▬ : Field wiring
2. In case of a multi-indoor-unit-system with parallel operation, refer to the documentation fo the indoor units.
3. For details, refer to the wiring diagram attached to the outdoor unit.
4. When using a central remote control, connect it to the unit according to the installation manual.
5. When connecting the input wires from outside, forced OFF or ON/OFF control operation can be selected by the remote controller. for more information, see installation manual
6. For a multi-indoor-unit-system with parallel operation, the connection ration (number of indoor units you can connect to the outdoor unit) is different. Before connecting, refer to the Technical data of the General catalogue.
7. For how to switch between the main unit and the sub units, refer to the installation manual of the remote control.
8. Colours: BLK:Black; RED:Red; BLU:Blue; WHT:White; GRN:Green; YLW:Yellow; BRN:Brown; ORG:Orange; PNK:Pink

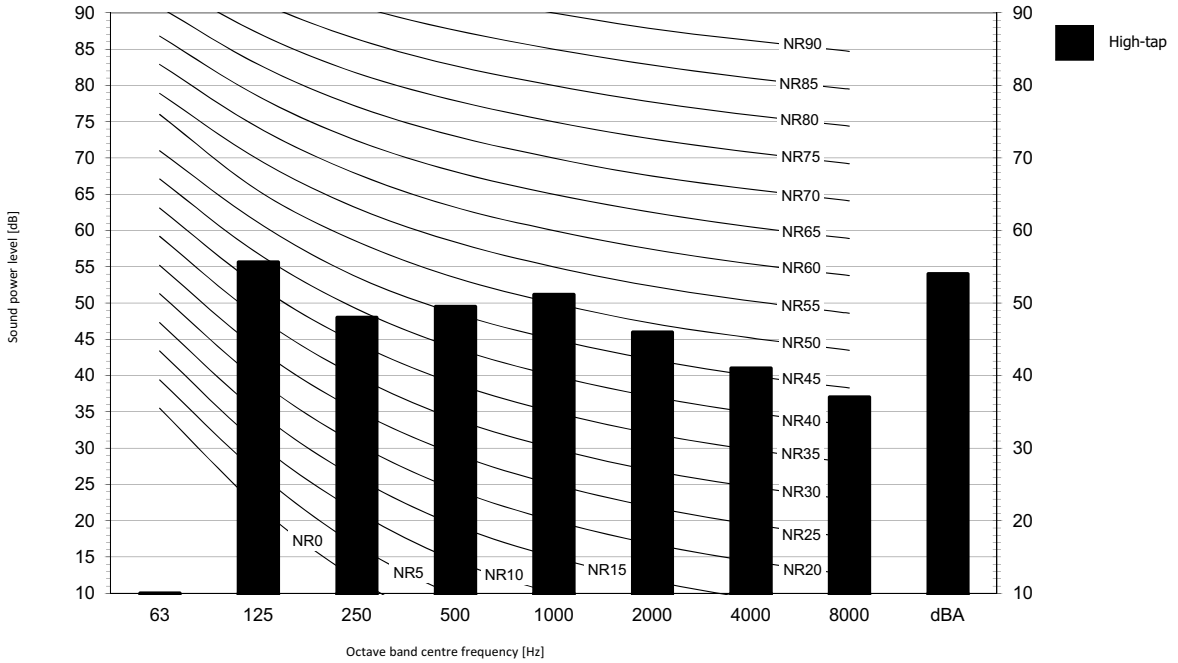
3D090351

11 Sound data

11 - 1 Sound Power Spectrum

FXSQ15A

Cooling mode



Notes

1 dBA = A-weighted sound power level (A scale according to IEC).

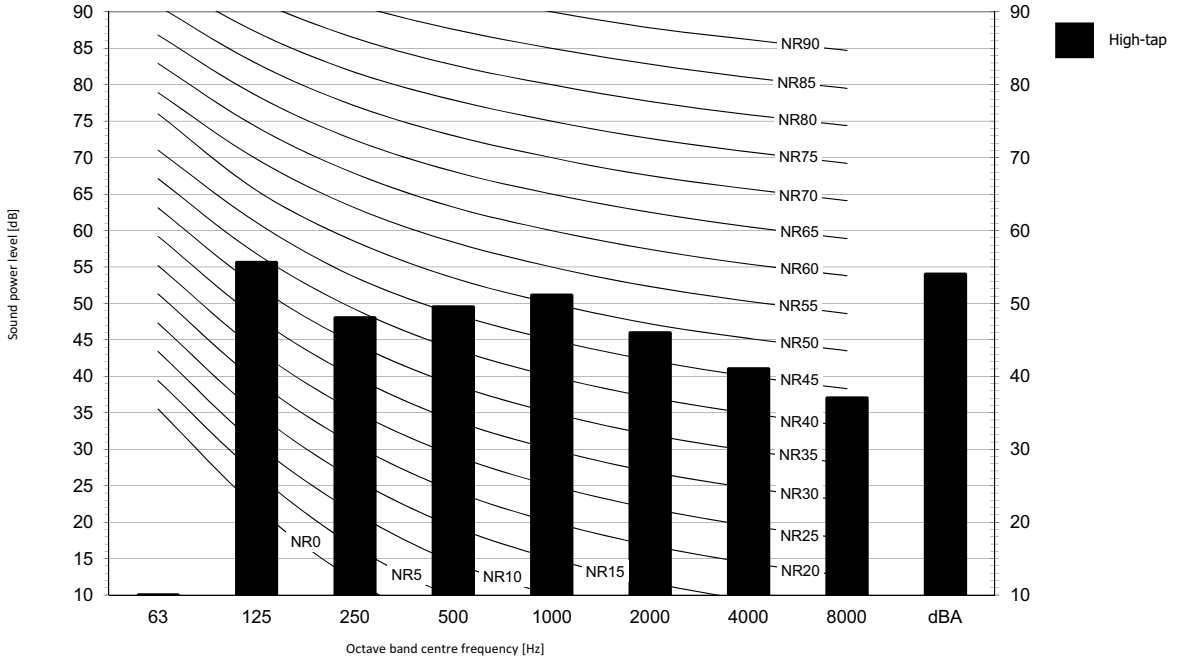
2 Reference acoustic intensity 0dB = 10E-6µW/m2

3 Measured according to ISO 3744

3D095590

FXSQ20-25A

Cooling mode



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

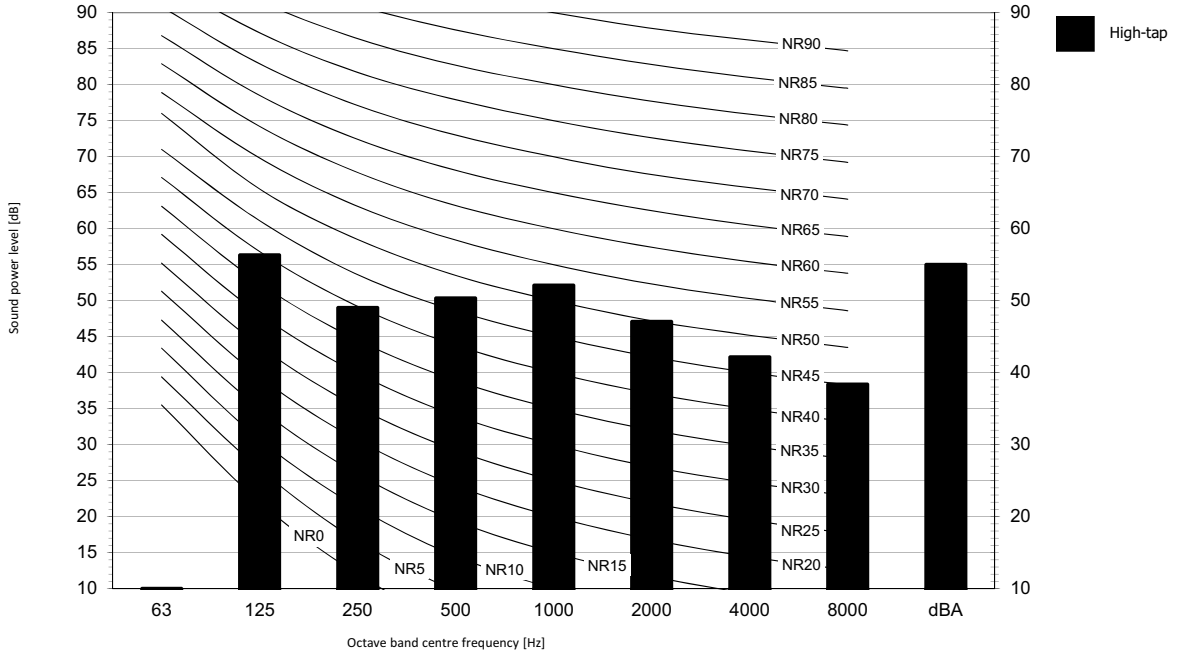
3D095591

11 Sound data

11 - 1 Sound Power Spectrum

FXSQ32A

Cooling mode



Notes

1 dBA = A-weighted sound power level (A scale according to IEC).

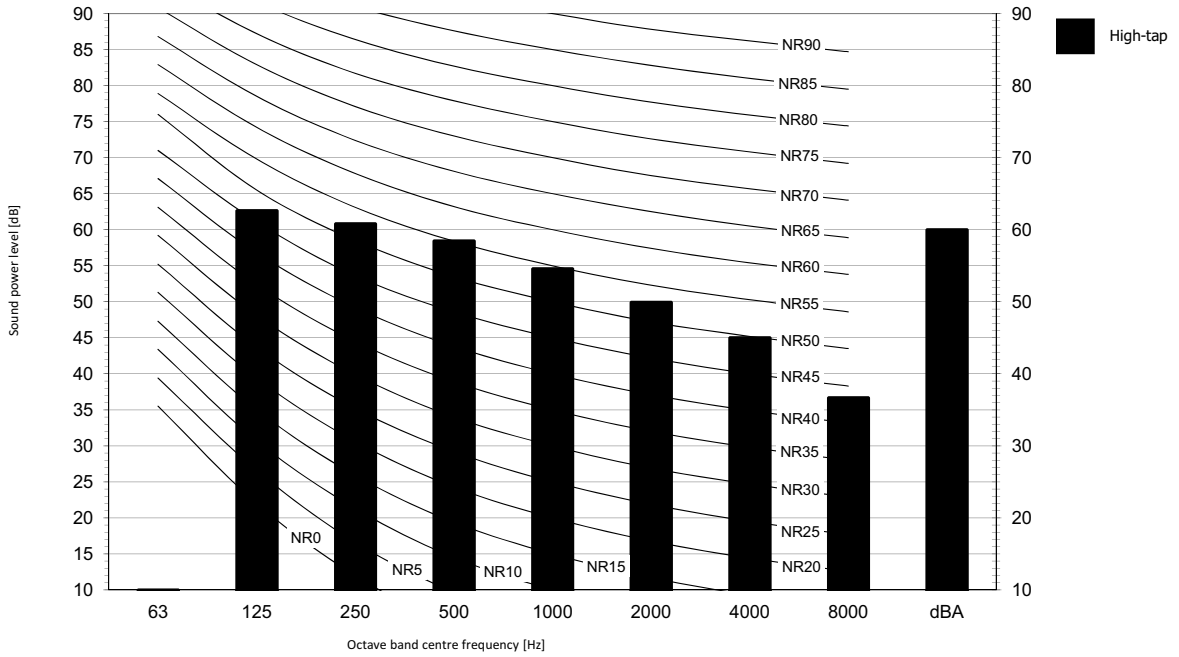
2 Reference acoustic intensity 0dB = 10E-6µW/m2

3 Measured according to ISO 3744

3D095592

FXSQ40-50A

Cooling mode



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

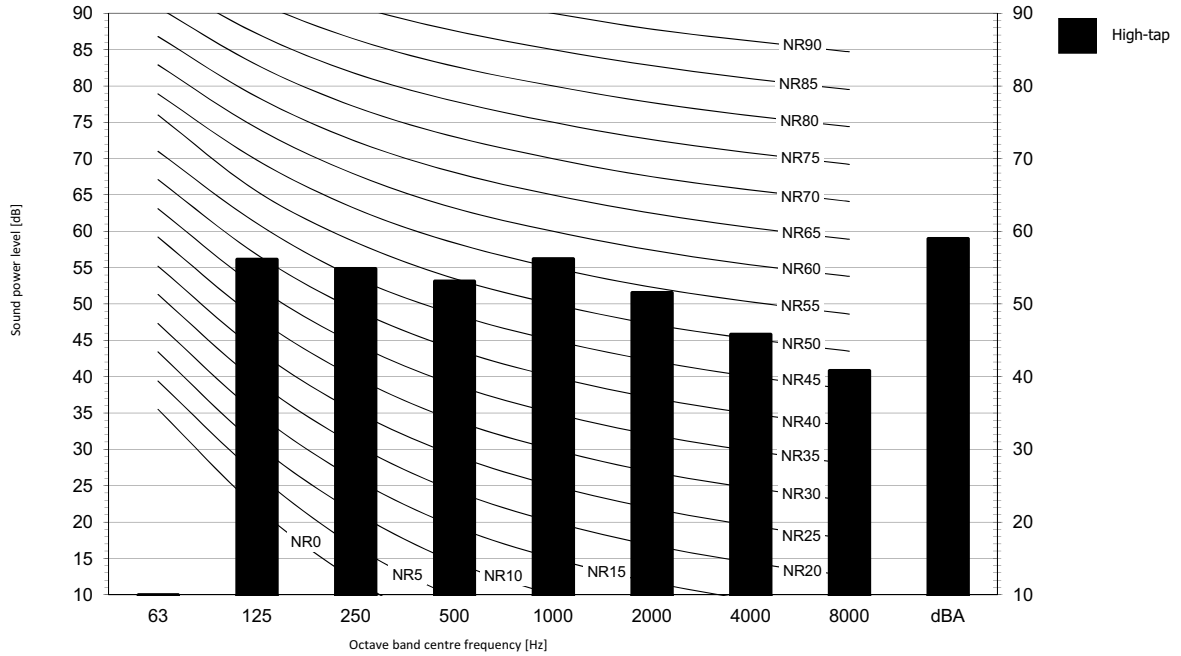
3D095579

11 Sound data

11 - 1 Sound Power Spectrum

FXSQ63A

Cooling mode



Notes

1 dBA = A-weighted sound power level (A scale according to IEC).

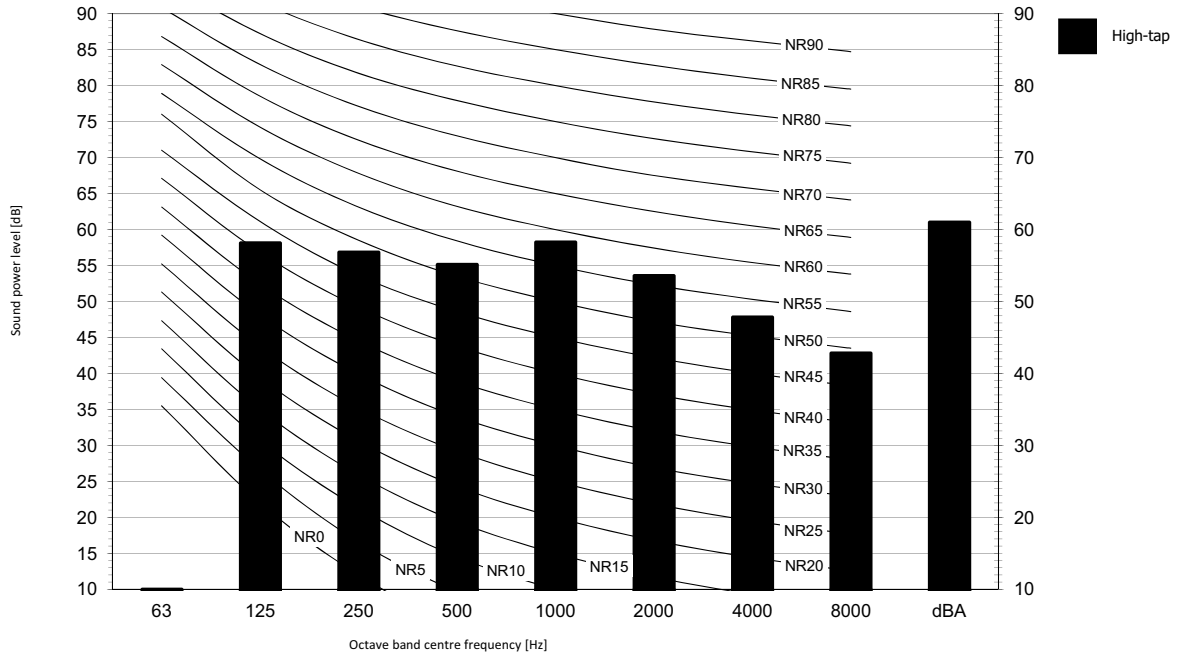
2 Reference acoustic intensity 0dB = 10E-6µW/m2

3 Measured according to ISO 3744

3D095593

FXSQ80A

Cooling mode



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

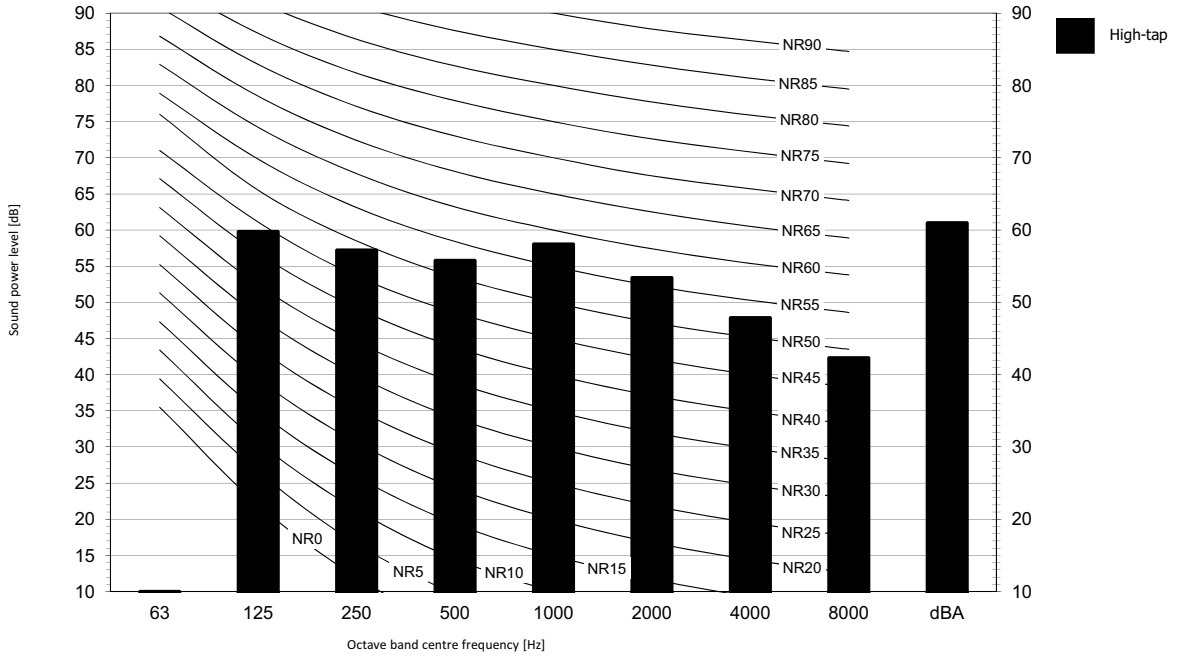
3D095594

11 Sound data

11 - 1 Sound Power Spectrum

FXSQ100A

Cooling mode



Notes

1 dBA = A-weighted sound power level (A scale according to IEC).

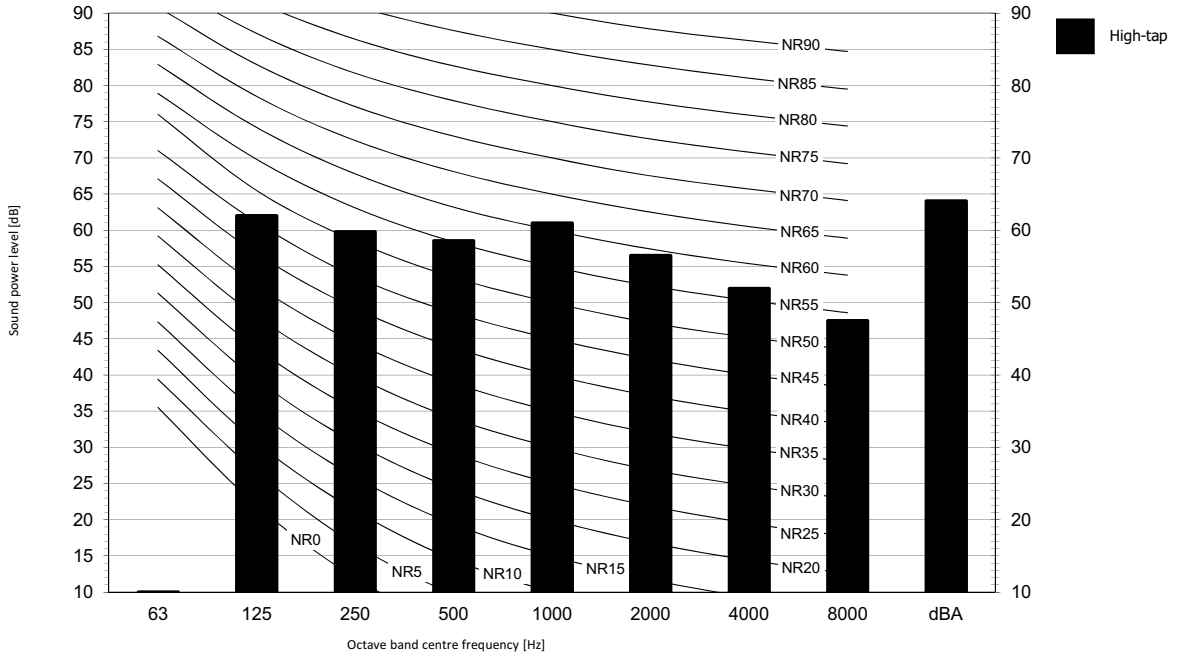
2 Reference acoustic intensity 0dB = 10E-6µW/m2

3 Measured according to ISO 3744

3D095596

FXSQ125A

Cooling mode



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

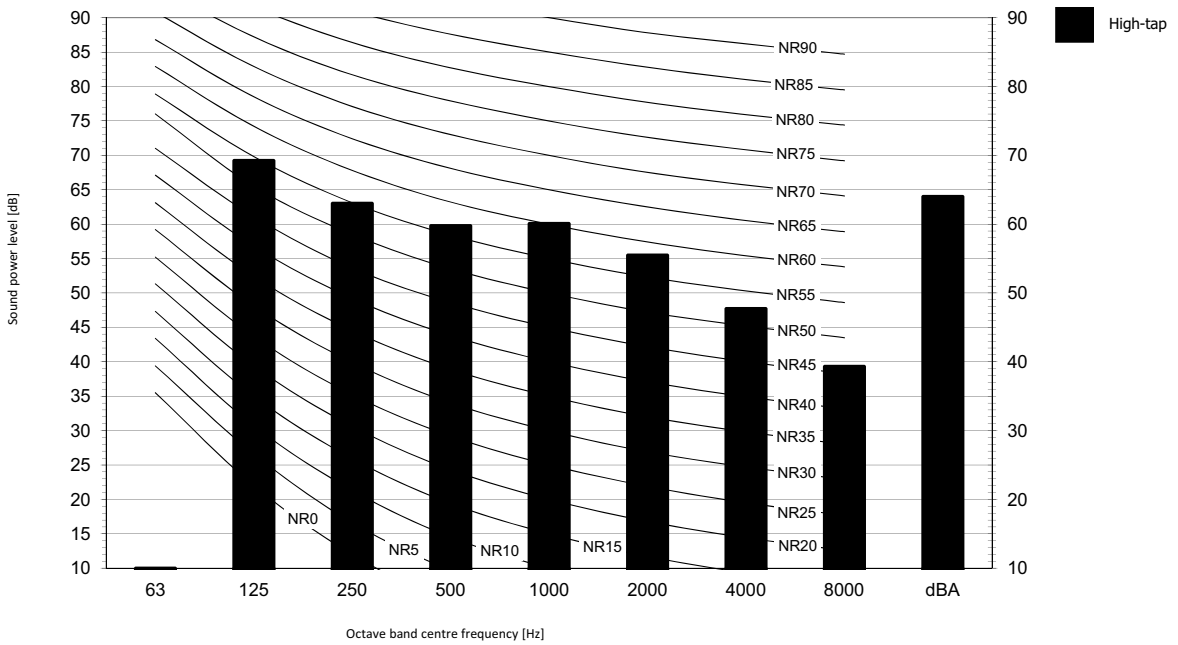
3D095597

11 Sound data

11 - 1 Sound Power Spectrum

FXSQ140A

Cooling mode



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

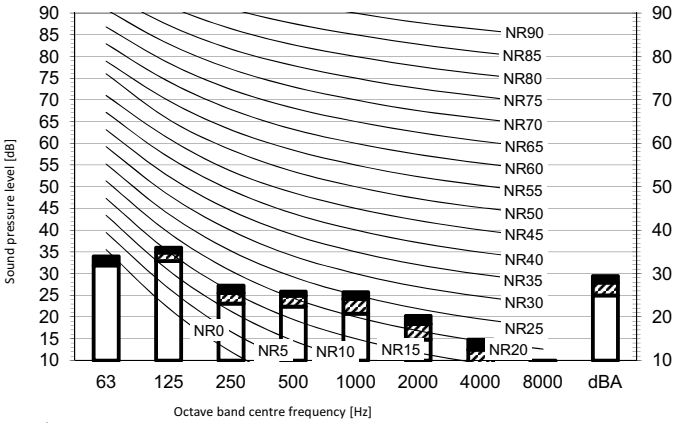
3D096621

11 Sound data

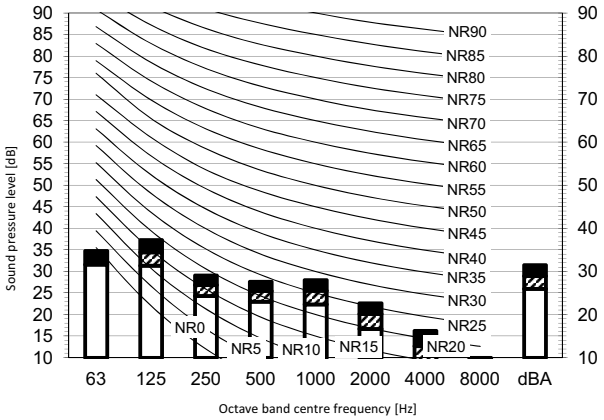
11 - 2 Sound Pressure Spectrum

FXSQ15A

Cooling mode



Heating mode

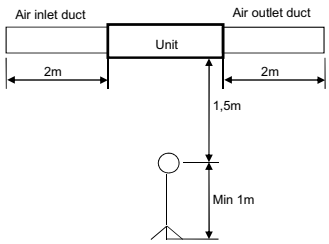


Legend

dBA = A-weighted sound pressure level (A scale according to IEC).

High-tap Medium-tap Low-tap

Location of microphone



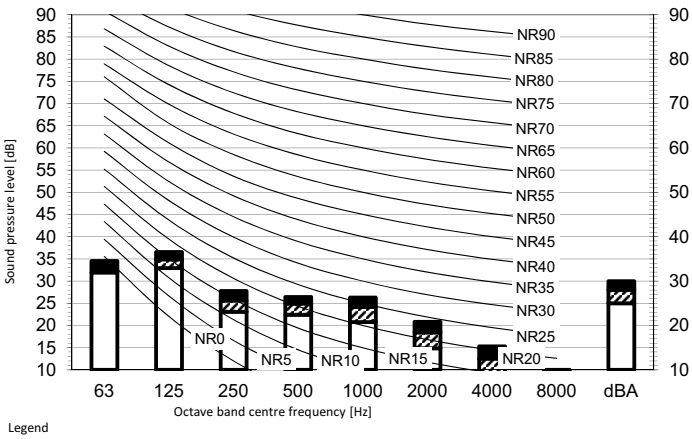
Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

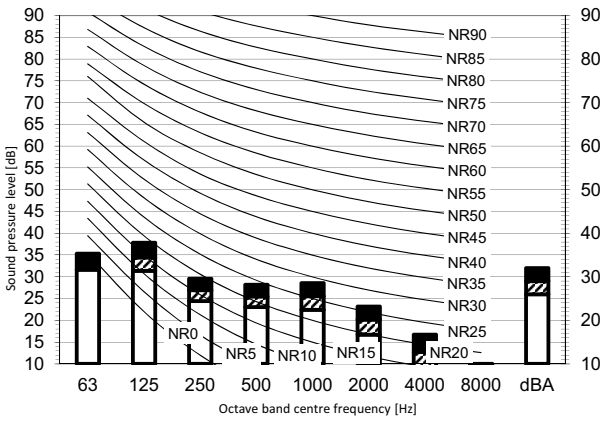
3D095568A

FXSQ20-25A

Cooling mode



Heating mode

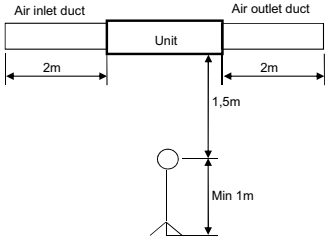


Legend

dBA = A-weighted sound pressure level (A scale according to IEC).

High-tap Medium-tap Low-tap

Location of microphone



Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

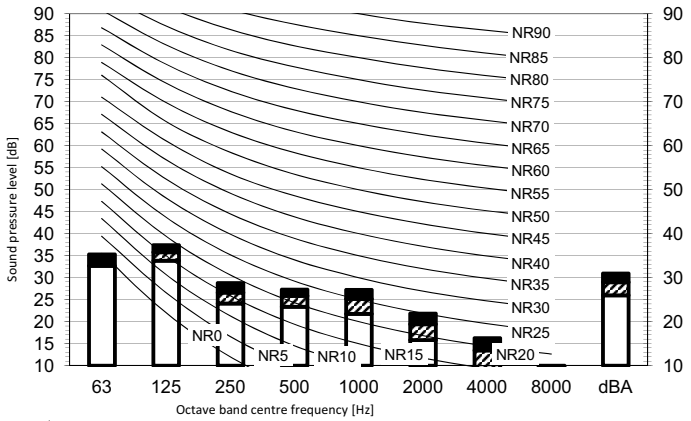
3D095569A

11 Sound data

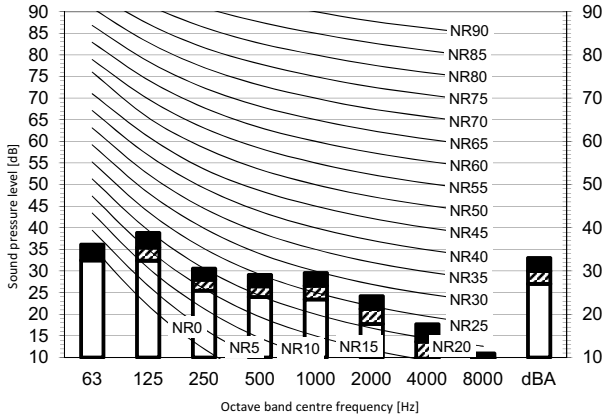
11 - 2 Sound Pressure Spectrum

FXSQ32A

Cooling mode



Heating mode

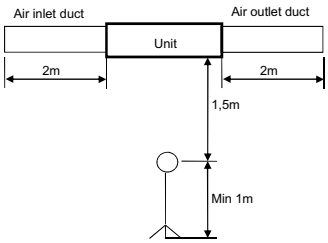


Legend

dBA = A-weighted sound pressure level (A scale according to IEC).

High-tap Medium-tap Low-tap

Location of microphone



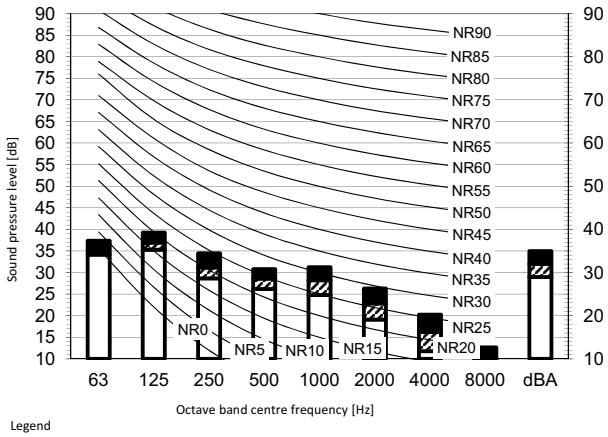
Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

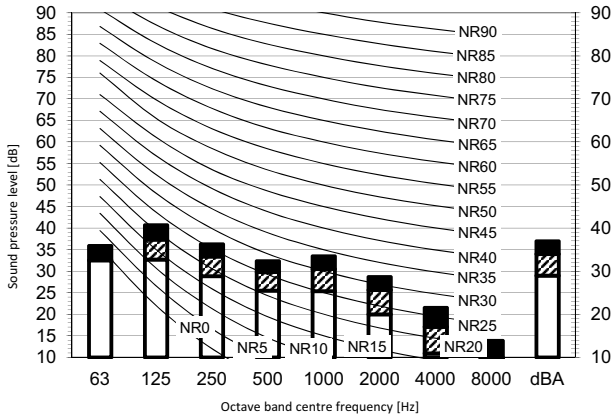
3D095570A

FXSQ40-50A

Cooling mode



Heating mode

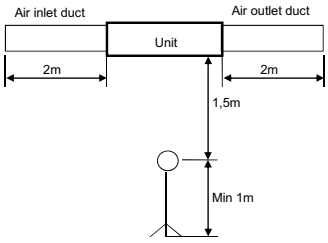


Legend

dBA = A-weighted sound pressure level (A scale according to IEC).

High-tap Medium-tap Low-tap

Location of microphone



Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

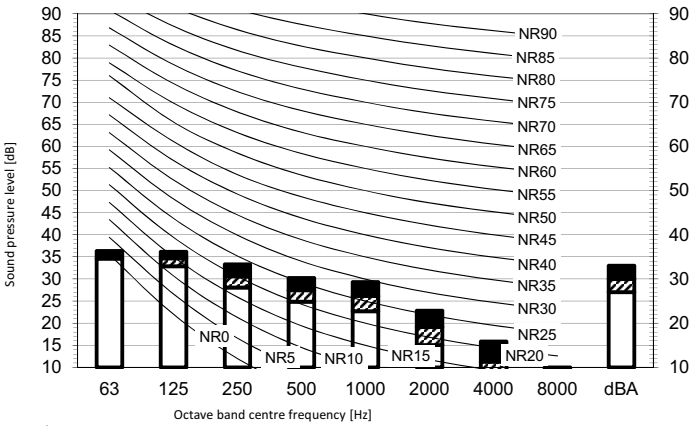
3D095575A

11 Sound data

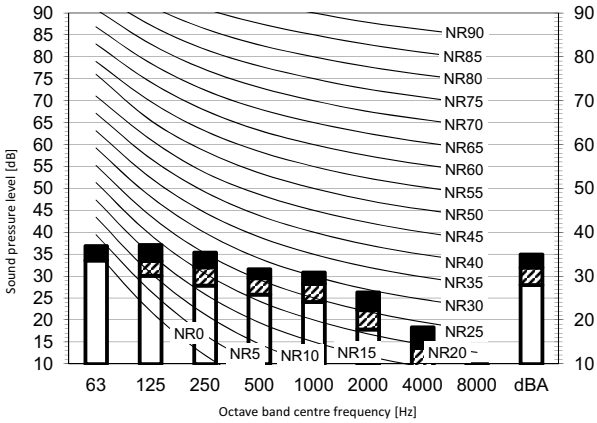
11 - 2 Sound Pressure Spectrum

FXSQ63A

Cooling mode



Heating mode

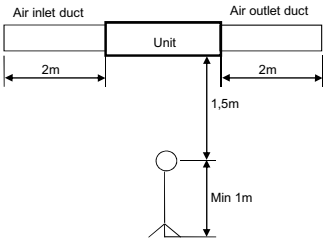


Legend

dBA = A-weighted sound pressure level (A scale according to IEC).

High-tap Medium-tap Low-tap

Location of microphone



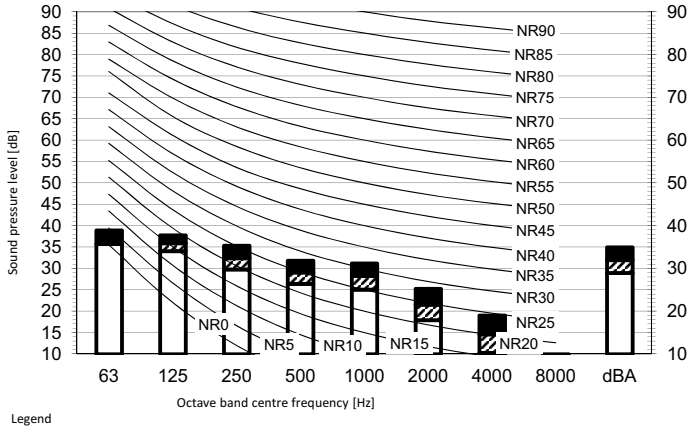
Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

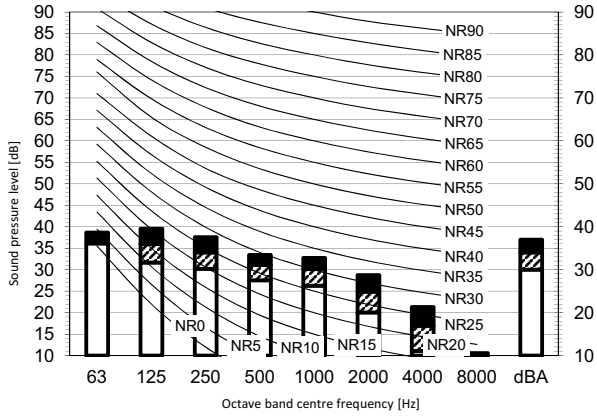
3D095571A

FXSQ80A

Cooling mode



Heating mode

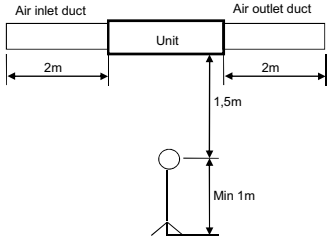


Legend

dBA = A-weighted sound pressure level (A scale according to IEC).

High-tap Medium-tap Low-tap

Location of microphone



Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

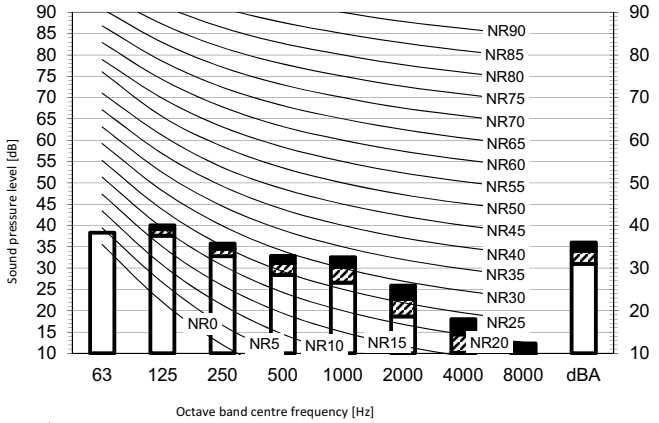
3D095572A

11 Sound data

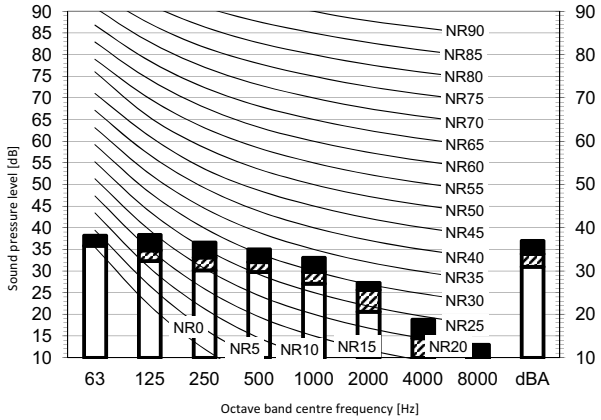
11 - 2 Sound Pressure Spectrum

FXSQ100A

Cooling mode



Heating mode

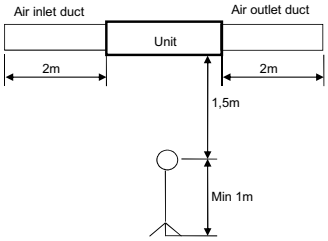


Legend

dBA = A-weighted sound pressure level (A scale according to IEC).

High-tap Medium-tap Low-tap

Location of microphone



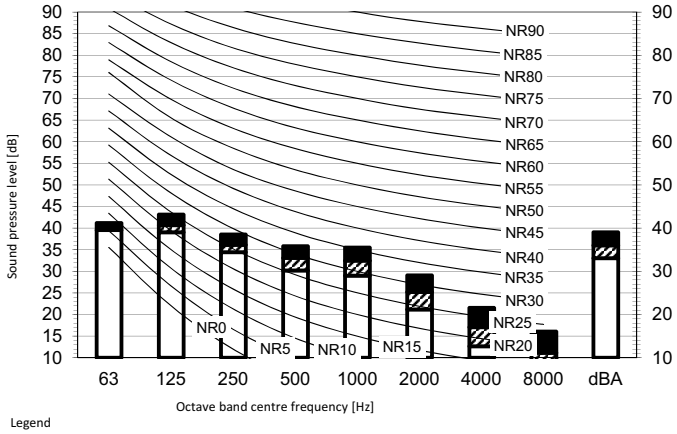
Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

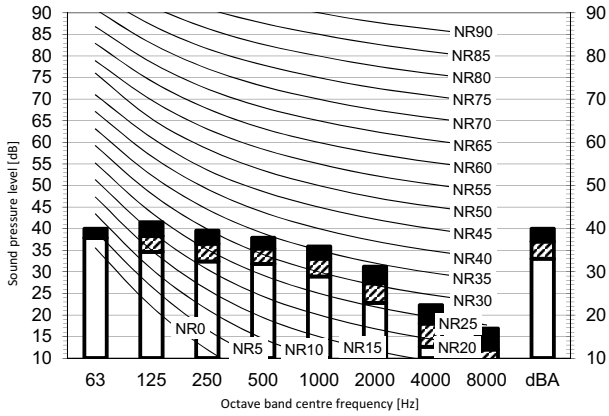
3D095573A

FXSQ125A

Cooling mode



Heating mode

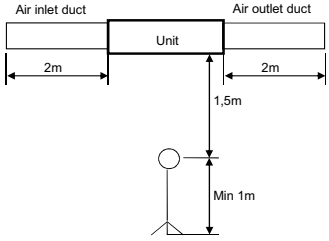


Legend

dBA = A-weighted sound pressure level (A scale according to IEC).

High-tap Medium-tap Low-tap

Location of microphone



Notes

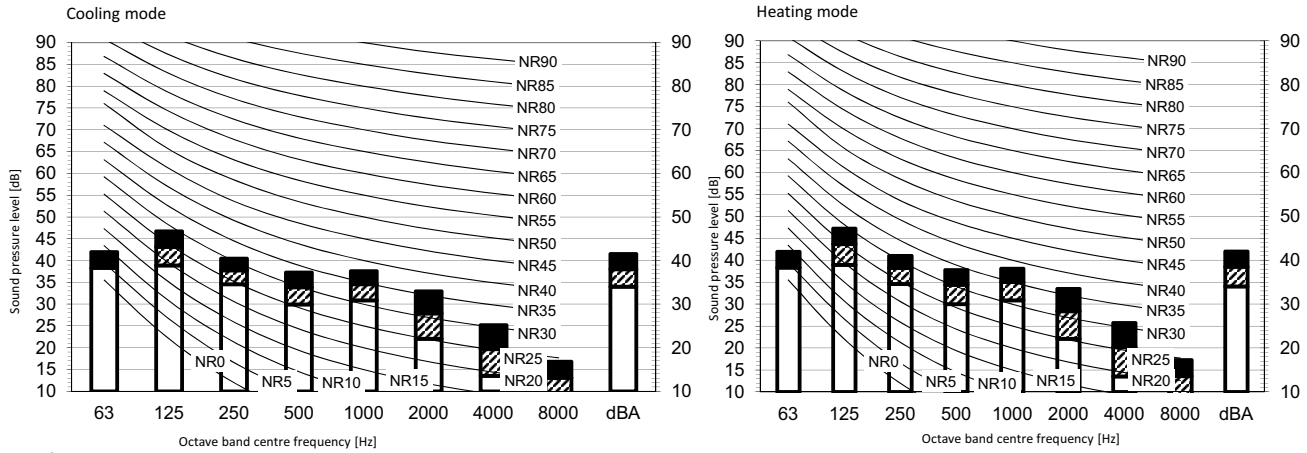
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

3D095574A

11 Sound data

11 - 2 Sound Pressure Spectrum

FXSQ140A

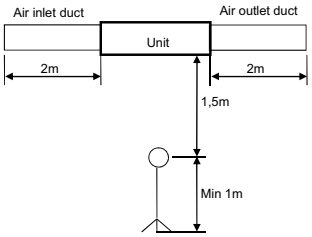


Legend

dBA = A-weighted sound pressure level (A scale according to IEC).

High-tap | Medium-tap | Low-tap

Location of microphone



Notes

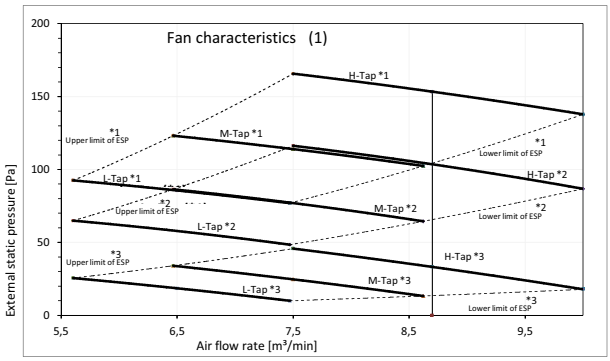
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

3D096622A

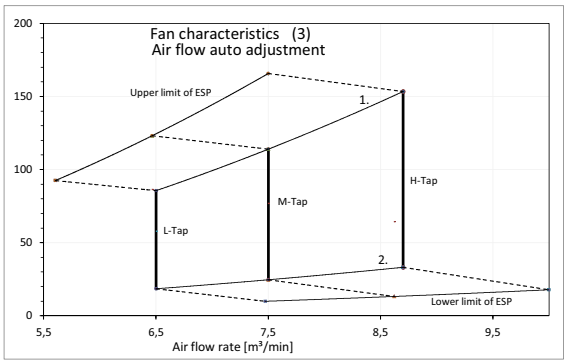
12 Fan characteristics

12 - 1 Fan Characteristics

FXSQ15A

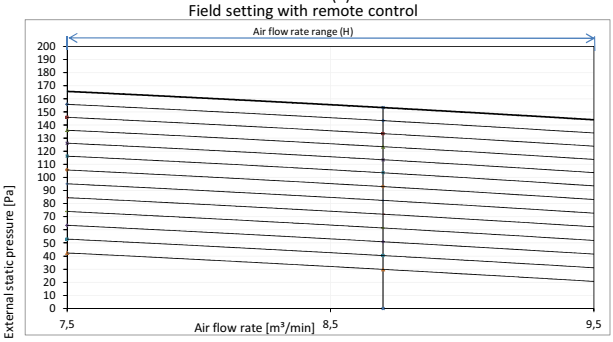


Mark		ESP [Pa]
*1	MAX	150
*2	-	100
*3	STD	50



1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

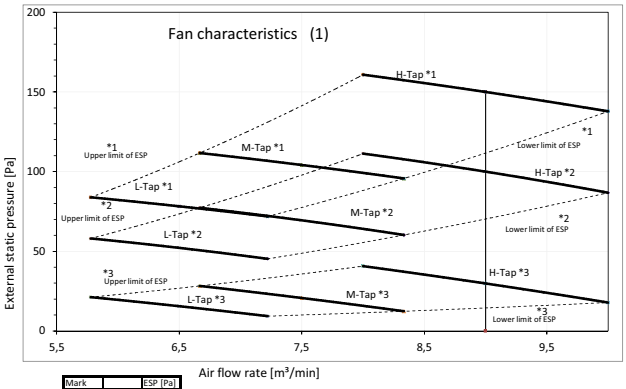
Fan characteristics (2)
Field setting with remote control



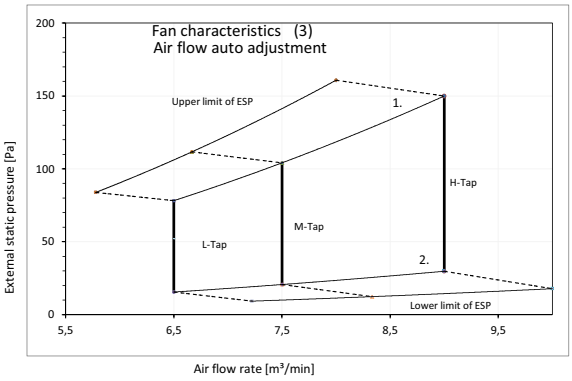
Notes
1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

3D096999

FXSQ20-25A

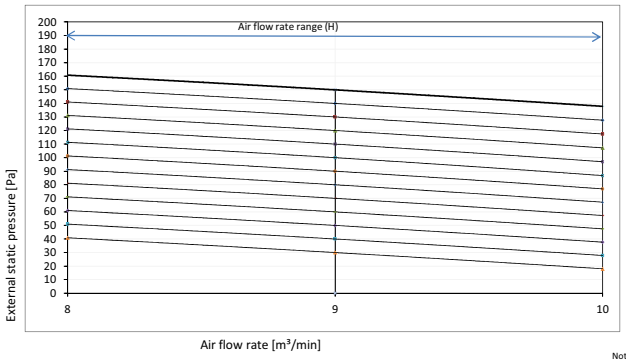


Mark		ESP [Pa]
*1	MAX	150
*2	-	100
*3	STD	30



1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

Fan characteristics (2)
Field setting with remote control



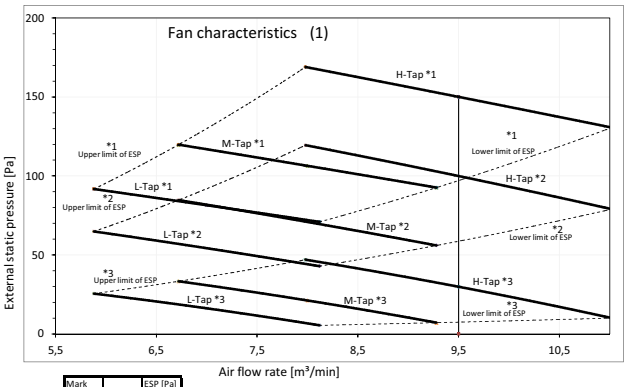
Notes
1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

3D095680A

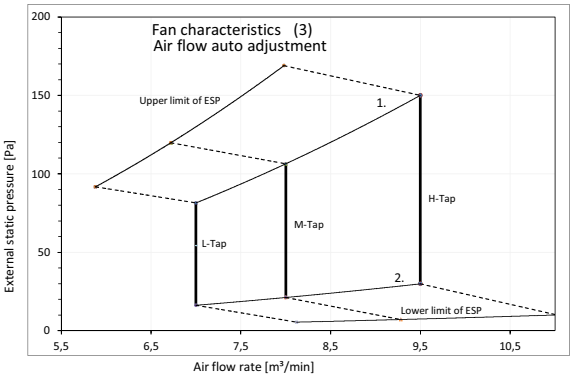
12 Fan characteristics

12 - 1 Fan Characteristics

FXSQ32A

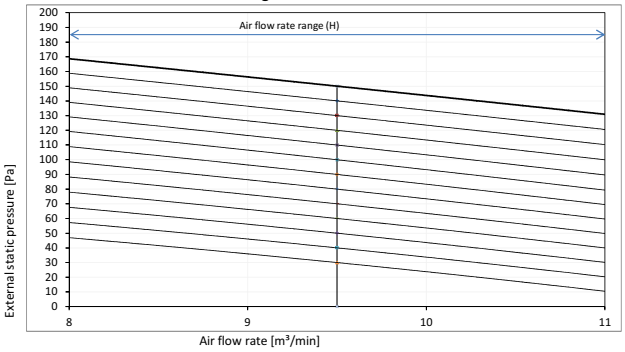


Mark		ESP [Pa]
*1	MAX	150
*2	-	100
*3	STD	30



1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

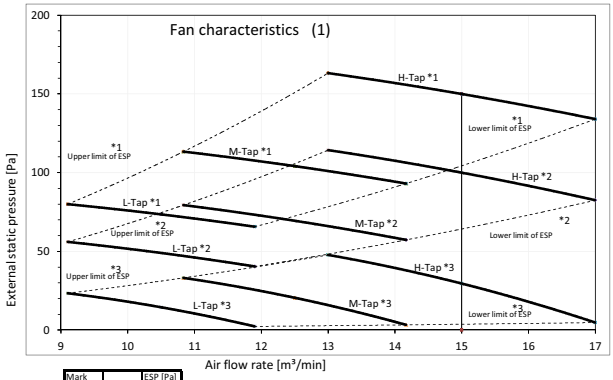
Fan characteristics (2)
Field setting with remote control



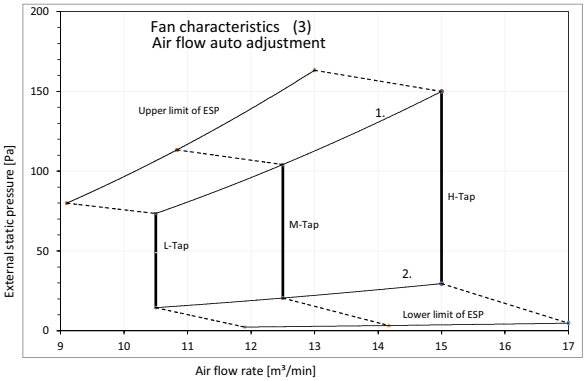
Notes
1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

3D095681A

FXSQ40A

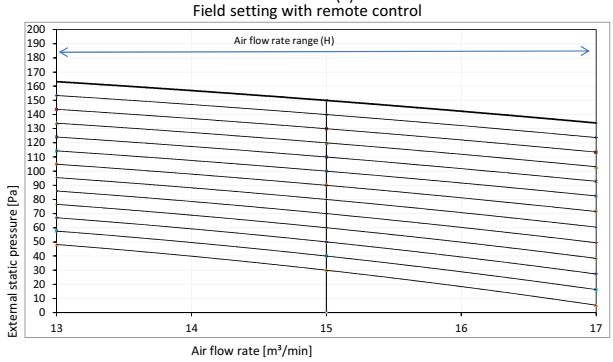


Mark		ESP [Pa]
*1	MAX	150
*2	-	100
*3	STD	30



1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

Fan characteristics (2)
Field setting with remote control



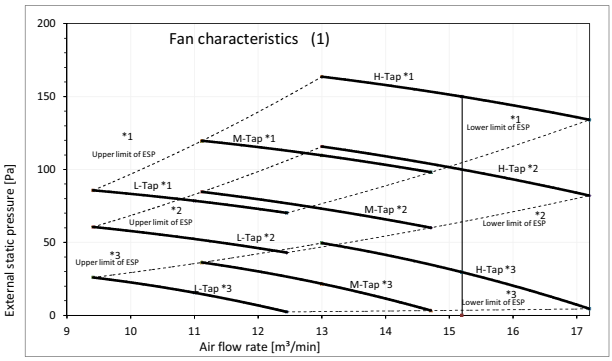
Notes
1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

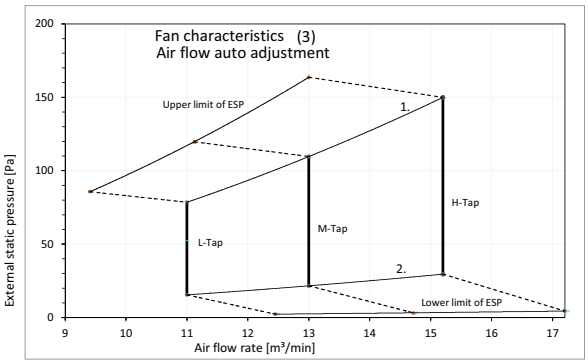
3D095682A

12 Fan characteristics

12 - 1 Fan Characteristics

FXSQ50A

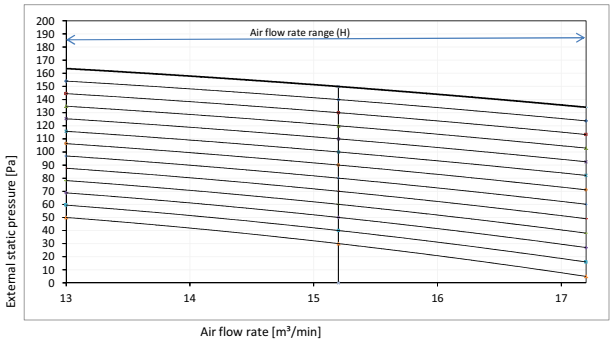




1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

Mark		ESP [Pa]
*1	MAX	150
*2	-	100
*3	STD	30

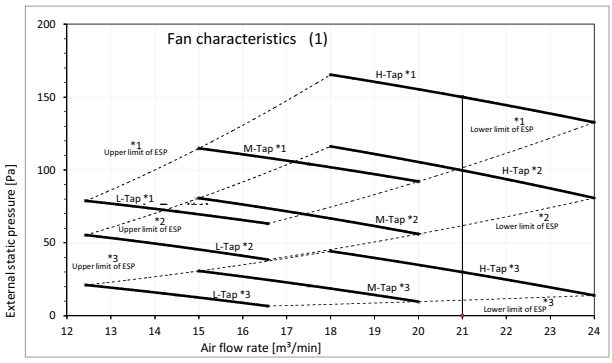
Fan characteristics (2)
Field setting with remote control

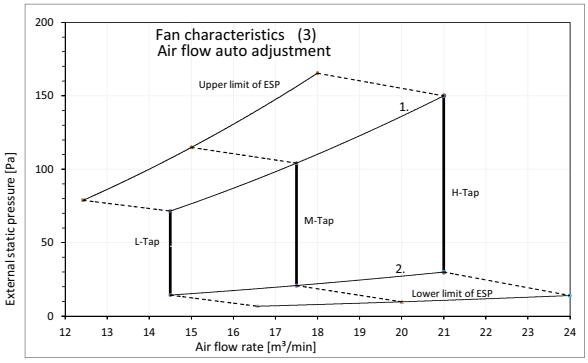


Notes
1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

3D095688A

FXSQ63A

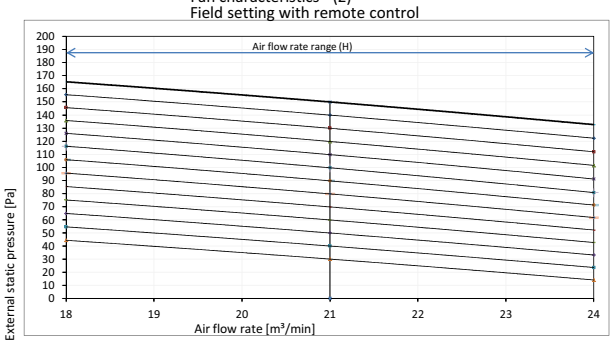




1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

Mark		ESP [Pa]
*1	MAX	150
*2	-	100
*3	STD	30

Fan characteristics (2)
Field setting with remote control



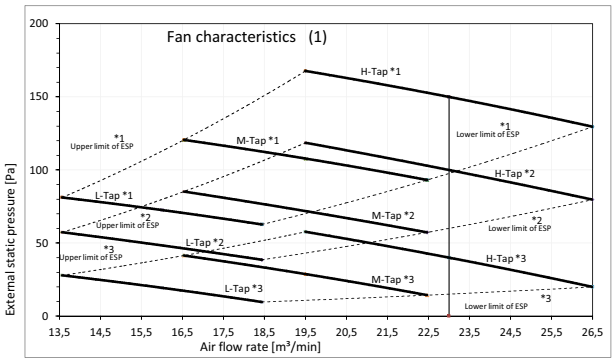
Notes
1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

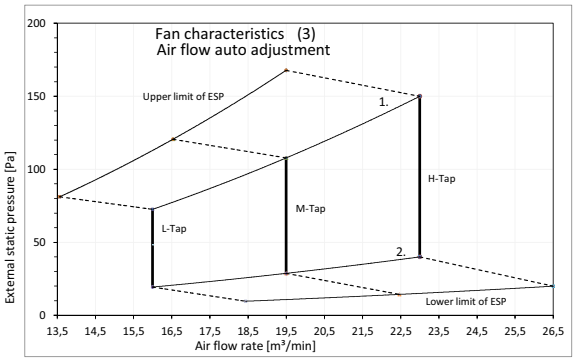
3D095690A

12 Fan characteristics

12 - 1 Fan Characteristics

FXSQ80A

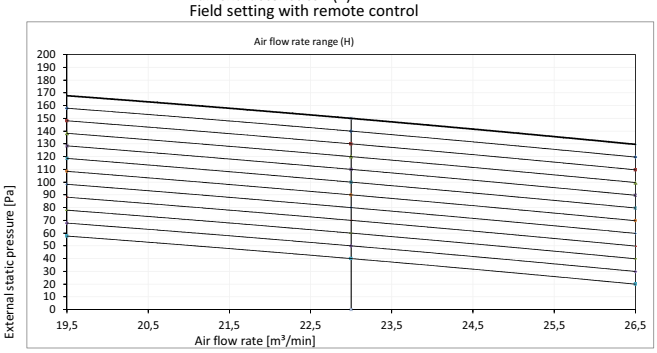




1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

Mark		ESP [Pa]
*1	MAX	150
*2	-	100
*3	STD	40

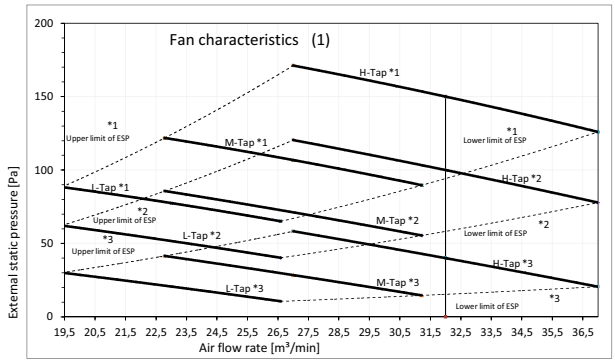
Fan characteristics (2)
Field setting with remote control

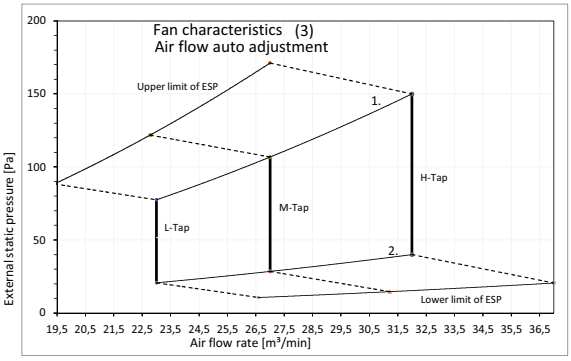


Notes
1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

3D095692A

FXSQ100A

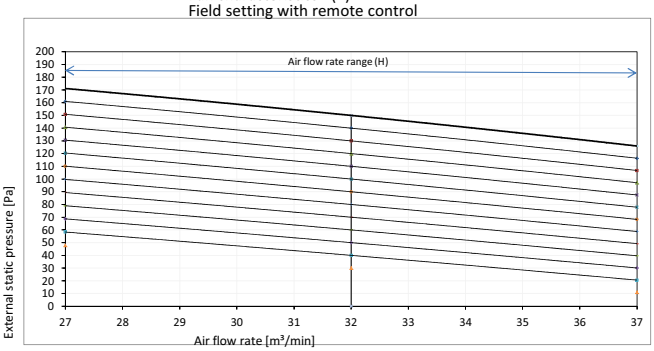




1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

Mark		ESP [Pa]
*1	MAX	150
*2	-	100
*3	STD	40

Fan characteristics (2)
Field setting with remote control



Notes
1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

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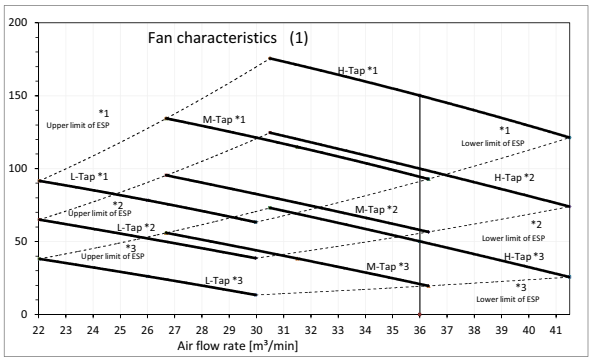
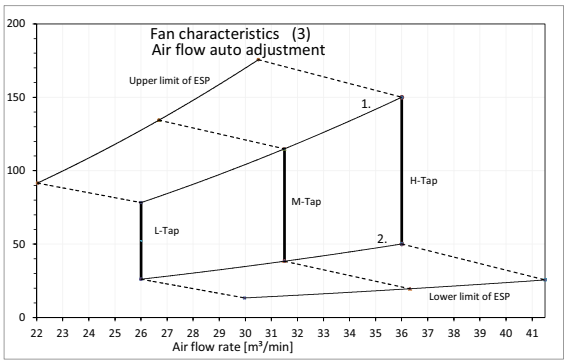
12 Fan characteristics

12 - 1 Fan Characteristics

FXSQ125A

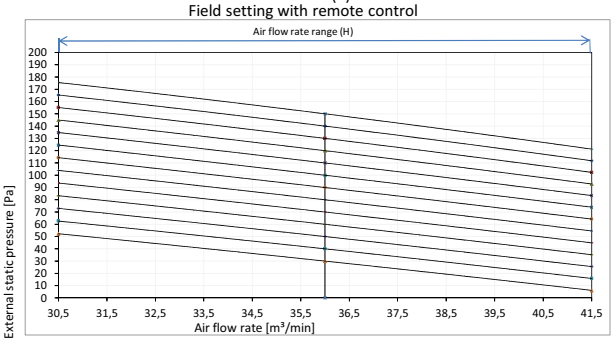


Mark		ESP [Pa]
*1	MAX	150
*2	-	100
*3	STD	50



1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

Fan characteristics (2)
Field setting with remote control



Notes
1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

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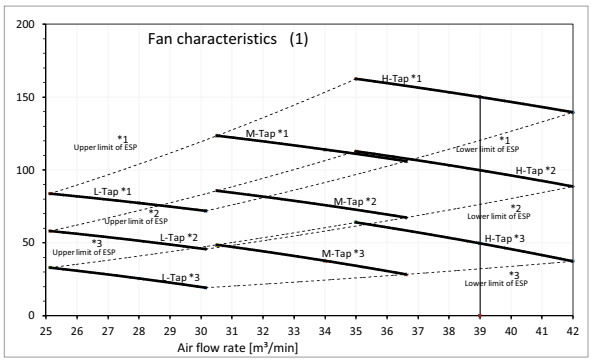
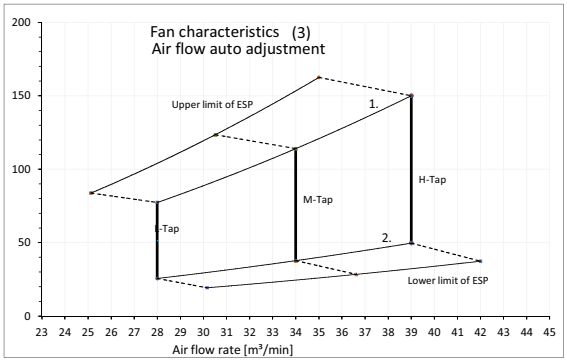
FXSQ140A

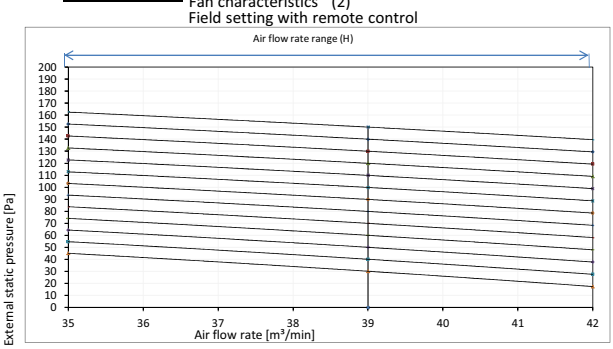


Mark		ESP [Pa]
*1	MAX	150
*2	-	100
*3	STD	50



1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

Fan characteristics (2)
Field setting with remote control



Notes
1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

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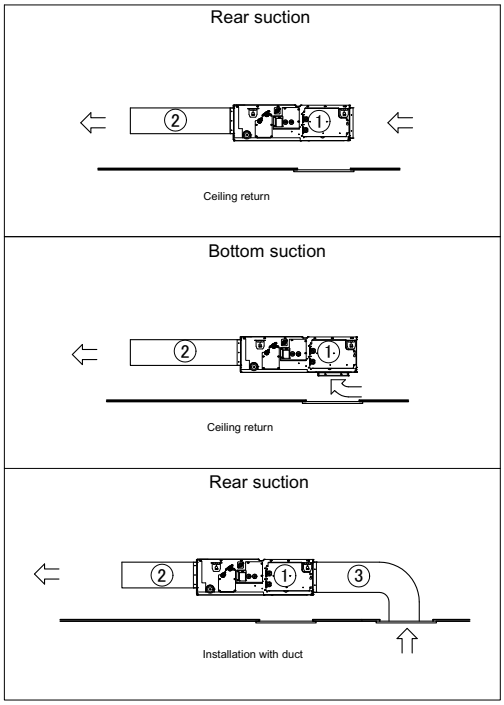
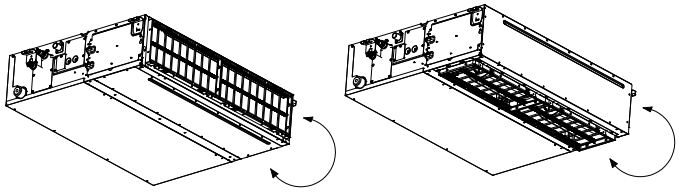
13 Installation

13 - 1 Installation Method

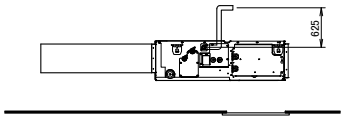
FXSQ-A

Installation methods





Easy modification from rear suction to bottom suction



Height of drain pump outlet pipe

Number	Description	
①	Indoor unit	
②	Air outlet duct	Field supply
③	Air inlet duct	Field supply

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