

technical data

RoundFlow Ceiling Mounted Cassette
FXFQ-P7VEB

air conditioning systems

VRV[®] III-S
VRV[®] III
VRV[®] WII

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FXFQ-P7VEB

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1 Specifications

1-1 TECHNICAL SPECIFICATIONS				FXFQ20P7VEB		FXFQ25P7VEB		FXFQ32P7VEB		FXFQ40P7VEB		FXFQ50P7VEB			
Capacity	Cooling			kW		2.2		2.8		3.6		4.5		5.6	
	Heating			kW		2.5		3.2		4.0		5.0		6.3	
Power Input	Cooling			kW		0.053		0.053		0.053		0.063		0.083	
	Heating			kW		0.045		0.045		0.045		0.055		0.067	
Casing	Material			Galvanised steel											
Dimensions	Packing	Height	mm	220		220		220		220		220			
		Width	mm	882		882		882		882		882			
		Depth	mm	882		882		882		882		882			
	Unit	Height	mm	204		204		204		204		204			
		Width	mm	840		840		840		840		840			
		Depth	mm	840		840		840		840		840			
Weight	Unit			kg		20.0		20.0		20.0		20.0		21.0	
	Packed Unit			kg		24.0		24.0		24.0		24.0		26.0	
Dimensions	Length	Inside	mm	2,096											
		Outside	mm	2,152											
Heat Exchanger	Dimensions	Nr of Rows		2		2		2		2		2			
		Fin Pitch	mm	1.2		1.2		1.2		1.2		1.2			
		Nr of Passes		2		2		3		3		7			
		Face Area	m²	0.267		0.267		0.267		0.267		0.357			
		Nr of Stages		6		6		6		6		8			
		Empty Tubeplate Hole		4		4									
	Fin	Fin type		Cross fin coil (Multi louver fins and Hi-XSS tubes)											
Fan	Type			Turbo fan											
	Quantity			1		1		1		1		1			
Air Flow Rate	Cooling	High	m³/min	12.5		12.5		12.5		13.5		15.5			
		Low	m³/min	9.0		9.0		9.0		9.0		10.0			
	Heating	High	m³/min	12.5		12.5		12.5		13.5		15.0			
		Low	m³/min	9.0		9.0		9.0		9.0		9.5			
Fan	Motor	Model		QTS48D11M											
		Steps		2		2		2		2		2			
		Output (high)	W	56		56		56		56		56			
Refrigerant	Name			R-410A											
Sound Level	Cooling	Sound power (nominal)	dBA	49		49		49		50		51			
Cooling	Sound Pressure	High	dBA	31		31		31		32		33			
		Low	dBA	28		28		28		28		28			
Heating	Sound Pressure	High	dBA	31		31		31		32		33			
		Low	dBA	28		28		28		28		28			
Piping connections	Liquid (OD)	Type		Flare connection											
		Diameter	mm	6.35		6.4		6.4		6.4		6.4			
	Gas	Type		Flare connection											
		Diameter	mm	12.7		12.7		12.7		12.7		12.7			
	Drain	Diameter	mm	VP25 (I.D. 25/O.D. 32)											
	Heat Insulation			Foamed polystyrene/polyethylene											
	Sound absorbing insulation			(Foamed Polyurethane)											
Decoration Panel	Model			BYCQ140CW1											
	Colour			RAL9010											
	Dimensions	Height	mm	50		50		50		50		50			
		Width	mm	950		950		950		950		950			
		Depth	mm	950		950		950		950		950			
	Weight			kg		5.5		5.5		5.5		5.5			
Air Filter				Resin net with mold resistance											

1 Specifications

1-1 TECHNICAL SPECIFICATIONS		FXFQ20P7VEB	FXFQ25P7VEB	FXFQ32P7VEB	FXFQ40P7VEB	FXFQ50P7VEB
Standard Accessories	Standard Accessories	Installation and operation manual				
		Drain hose				
		Washer for hanging bracket				
		Screws				
		Sealing Pads				
		Insulation for fitting				
		Clamp for drain hose				
		Installation guide				
		Drain sealing pad				
		Notes	The sound pressure values are mentioned for a unit installed with rear suction			
The sound power level is an absolute value indicating the power wick a sound source generates.						
Nominal cooling capacities are based on : indoor temperature : 27°CDB, 19°CWB, outdoor temperature : 35°CDB, equivalent refrigerant piping : 5m, level difference : 0m.						
Nominal heating capacities are based on : indoor temperature : 20°CDB, outdoor temperature : 7°CDB, 6°CWB, equivalent refrigerant piping : 5m (horizontal)						
Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.						

1-1 TECHNICAL SPECIFICATIONS				FXFQ63P7VEB		FXFQ80P7VEB		FXFQ100P7VEB		FXFQ125P7VEB	
Capacity	Cooling		kW	7.1		9.0		11.2		14.0	
	Heating		kW	8.0		10.0		12.5		16.0	
Power Input	Cooling		kW	0.095		0.120		0.173		0.258	
	Heating		kW	0.114		0.108		0.176		0.246	
Casing	Material			Galvanised steel							
Dimensions	Packing	Height	mm	220		262		262		304	
		Width	mm	882		882		882		882	
		Depth	mm	882		882		882		882	
	Unit	Height	mm	204		246		246		288	
		Width	mm	840		840		840		840	
		Depth	mm	840		840		840		840	
Weight	Unit		kg	21.0		24.0		24.0		26.0	
	Packed Unit		kg	26.0		28.0		28.0		31.0	
Dimensions	Length	Inside	mm	2,096							
		Outside	mm	2,152							
Heat Exchanger	Dimensions	Nr of Rows		2		2		2		2	
		Fin Pitch	mm	1.2		1.2		1.2		1.2	
		Nr of Passes		7		9		9		11	
		Face Area	m²	0.357		0.446		0.446		0.535	
		Nr of Stages		8		10		10		12	
	Fin	Fin type		Cross fin coil (Multi louver fins and Hi-XSS tubes)							
Fan	Type			Turbo fan							
	Quantity			1		1		1		1	
Air Flow Rate	Cooling	High	m³/min	16.5		23.5		26.5		33.0	
		Low	m³/min	11.0		14.5		17.0		20.0	
	Heating	High	m³/min	17.5		23.5		28.0		33.0	
		Low	m³/min	12.0		14.5		17.5		20.0	
Fan	Motor	Model		QTS48D11M		QTS48C15M		QTS48C15M		QTS48C15M	
		Steps		2		2		2		2	
		Output (high)	W	56		120		120		120	
Refrigerant	Name			R-410A							
Sound Level	Cooling	Sound power (nominal)	dBA	52		55		58		61	
Cooling	Sound Pressure	High	dBA	34		38		41		44	
		Low	dBA	29		32		33		34	
Heating	Sound Pressure	High	dBA	36		38		42		44	
		Low	dBA	30		32		34		34	

1 Specifications

1-1 TECHNICAL SPECIFICATIONS				FXFQ63P7VEB	FXFQ80P7VEB	FXFQ100P7VEB	FXFQ125P7VEB
Piping connections	Liquid (OD)	Type		Flare connection			
		Diameter	mm	9.5	9.5	9.5	9.5
	Gas	Type		Flare connection			
		Diameter	mm	15.9	15.9	15.9	15.9
	Drain	Diameter	mm	VP25 (I.D. 25/O.D. 32)			
	Heat Insulation		Foamed polystyrene/polyethylene				
Sound absorbing insulation		(Foamed Polyurethane)					
Decoration Panel	Model			BYCQ140CW1			
	Colour			RAL9010			
	Dimensions	Height	mm	50	50	50	50
		Width	mm	950	950	950	950
		Depth	mm	950	950	950	950
	Weight		kg	5.5	5.5	5.5	5.5
Air Filter			Resin net with mold resistance				
Standard Accessories	Standard Accessories			Installation and operation manual			
				Drain hose			
				Washer for hanging bracket			
				Screws			
				Sealing Pads			
				Insulation for fitting			
				Clamp for drain hose			
				Installation guide			
				Drain sealing pad			
Notes			The sound pressure values are mentioned for a unit installed with rear suction				
			The sound power level is an absolute value indicating the power wich a sound source generates.				
			Nominal cooling capacities are based on : indoor temperature : 27°CDB, 19°CWB, outdoor temperature : 35°CDB, equivalent refrigerant piping : 5m, level difference : 0m.				
			Nominal heating capacities are based on : indoor temperature : 20°CDB, outdoor temperature : 7°CDB, 6°CWB, equivalent refrigerant piping : 5m (horizontal)				
			Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.				

1 Specifications

1-2 ELECTRICAL SPECIFICATIONS			FXFQ20P7VEB	FXFQ25P7VEB	FXFQ32P7VEB	FXFQ40P7VEB	FXFQ50P7VEB
Power Supply	Name		VE				
	Frequency	Hz	50/60				
	Voltage	V	220-240/220				
Current	Minimum circuit amps (MCA)	A	0.4	0.4	0.4	0.5	0.6
	Maximum fuse amps (MFA)	A	16	16	16	16	16
	Full load amps (FLA)	A	0.3	0.3	0.3	0.4	0.5
Voltage range	Minimum	V	-10%				
	Maximum	V	+10%				
Notes			Voltage range : units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed range limits.				
			Maximum allowable voltage range variation between phases is 2%.				
			MCA/MFA : MCA = 1.25 x FLA				
			MFA <= 4 x FLA				
			next lower standard fuse rating minimum 16A				
			select wire size based on the MCA				
			instead of a fuse, use a circuit breaker				

1-2 ELECTRICAL SPECIFICATIONS			FXFQ63P7VEB	FXFQ80P7VEB	FXFQ100P7VEB	FXFQ125P7VEB
Power Supply	Name		VE			
	Frequency	Hz	50/60			
	Voltage	V	220-240/220			
Current	Minimum circuit amps (MCA)	A	0.9	0.9	1.4	1.9
	Maximum fuse amps (MFA)	A	16	16	16	16
	Full load amps (FLA)	A	0.7	0.7	1.1	1.5
Voltage range	Minimum	V	-10%			
	Maximum	V	+10%			
Notes			Voltage range : units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed range limits.			
			Maximum allowable voltage range variation between phases is 2%.			
			MCA/MFA : MCA = 1.25 x FLA			
			MFA <= 4 x FLA			
			next lower standard fuse rating minimum 16A			
			select wire size based on the MCA			
			instead of a fuse, use a circuit breaker			

2 Safety device settings

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Safety devices		FXFQ20P	FXFQ25P	FXFQ32P	FXFQ40P	FXFQ 50P	FXFQ 63P	FXFQ 80P	FXFQ 100P	FXFQ125P
PC board fuse		250V 5A	250V 5A	250V 5A	250V 5A	250V 5A	250V 5A	250V 5A	250V 5A	250V 5A
Fan motor thermal fuse	°C	---	---	---	---	---	---	---	---	---
Fan motor thermal protector	°C	OFF: 108 ^{±5} (ON: 96 ^{±15})	OFF: 108 ^{±5} (ON: 96 ^{±15})	OFF: 108 ^{±5} (ON: 96 ^{±15})	OFF: 108 ^{±5} (ON: 96 ^{±15})	OFF: 108 ^{±5} (ON: 96 ^{±15})	OFF: 108 ^{±5} (ON: 96 ^{±15})	OFF: 108 ^{±5} (ON: 96 ^{±15})	OFF: 108 ^{±5} (ON: 96 ^{±15})	OFF: 108 ^{±5} (ON: 96 ^{±15})
Drain pump fuse	°C	145	145	145	145	145	145	145	145	145

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3 Options

OPTIONS

No.	Item	Model	FXFQ20P	FXFQ25P	FXFQ32P	FXFQ40P	FXFQ50P	FXFQ63P	FXFQ80P	FXFQ100P	FXFQ125P
1	Decoration panel						BYCQ140CW1				
2	Long life replacement filter	non-woven type					KAFP551K160				
3	Fresh air intake kit (20% fresh air)	Chamber type					KDDQ55C140				
4	Sealing member of air discharge outlet						KDBHQ55C140				

CONTROL SYSTEM

No.	Item	Model	FXFQ20P	FXFQ25P	FXFQ32P	FXFQ40P	FXFQ50P	FXFQ63P	FXFQ80P	FXFQ100P	FXFQ125P
1	Remote control	Wireless					BRC7F532F				
							BRC7F533F				
		Wired					BRC1D528				
2-1	Wiring adapter for electrical appendices (1)						KRP2A526 *1				
2-2	Wiring adapter for electrical appendices (2)						KRP4AA53 *1				
2-3	Wiring adapter (hour meter)						EKRP1C11 *1				
3	Remote sensor						KRCS01-4				
4	Installation box for adapter PCB						KRP1H98				
5	Central remote control						DCS302CA51				
6	Unified ON/OFF control						DCS301BA51				
7	Electrical box with earth terminal (2 blocks)						KJB212AA				
8	Schedule timer						DST301BA51				

*1 Installation box is necessary for these adapters.

*2 All options are supplied as kit.

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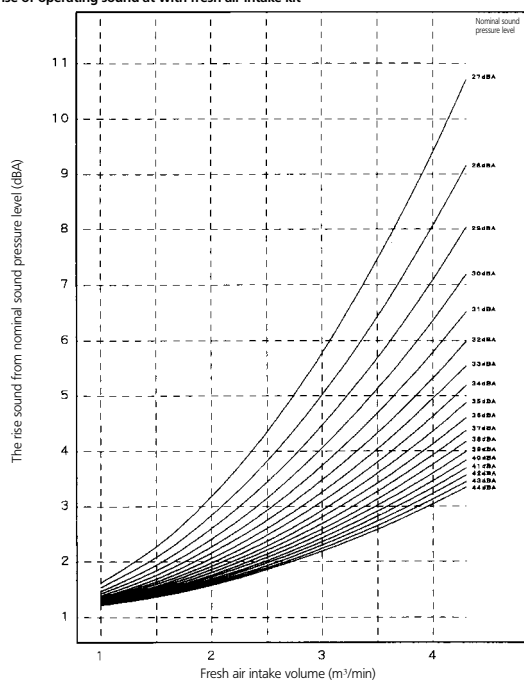
FXFQ-P

Max fresh air intake volume table

The maximum intake air flow volume is following table.
If the intake air flow volume is too large, the operating sound may rise or detection of the indoor unit suction temperature may be affected.

FXFQ-P	20	25	32	40	50	63	80	100	125
Max fresh air intake volume (m ³ /min)	2.5	2.5	2.5	2.7	3.1	3.5	4.3	4.3	4.3

The rise of operating sound at with fresh air intake kit



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4 Capacity tables

4 - 1 Cooling capacity tables

FXFQ-P

TC: Total capacity,kW – SHC: Sensible capacity,kW

Unit size	Nominal capacity	Outdoor air temp.	Indoor air temperature													
			14.0WB		16.0WB		18.0WB		19.0WB		20.0WB		22.0WB		24.0WB	
			20.0DB		23.0DB		26.0DB		27.0DB		28.0DB		30.0DB		32.0DB	
		°CDB	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
20	2.2	10.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.8	2.6	1.9	2.9	1.9
		12.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.8	2.6	1.9	2.9	1.9
		14.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.8	2.6	1.9	2.8	1.8
		16.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.8	2.6	1.9	2.8	1.8
		18.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.8	2.6	1.9	2.7	1.8
		20.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.8	2.6	1.9	2.7	1.8
		21.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.8	2.6	1.9	2.7	1.8
		23.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.8	2.6	1.9	2.6	1.7
		25.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.8	2.6	1.9	2.6	1.7
		27.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.8	2.5	1.8	2.6	1.7
		29.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.8	2.5	1.8	2.5	1.7
		31.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.8	2.4	1.8	2.5	1.7
		33.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.8	2.4	1.7	2.5	1.7
		35.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.8	2.4	1.7	2.4	1.7
25	2.8	37.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.7	2.3	1.8	2.3	1.8	2.4	1.7
		39.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.7	2.2	1.8	2.3	1.7	2.3	1.7
		10.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	3.0	2.2	3.4	2.2	3.7	2.3
		12.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	3.0	2.2	3.4	2.2	3.6	2.3
		14.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	3.0	2.2	3.4	2.2	3.6	2.2
		16.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	3.0	2.2	3.4	2.2	3.5	2.2
		18.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	3.0	2.2	3.4	2.2	3.5	2.2
		20.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	3.0	2.2	3.4	2.2	3.4	2.1
		21.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	3.0	2.2	3.4	2.2	3.4	2.1
		23.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	3.0	2.2	3.3	2.2	3.4	2.1
		25.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	3.0	2.2	3.3	2.2	3.3	2.1
		27.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	3.0	2.2	3.2	2.1	3.3	2.1
		29.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	3.0	2.2	3.2	2.1	3.2	2.0
		31.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	3.0	2.2	3.1	2.1	3.2	2.1
32	3.6	33.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	3.0	2.2	3.1	2.1	3.1	2.0
		35.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	3.0	2.2	3.0	2.1	3.1	2.0
		37.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	2.9	2.2	3.0	2.1	3.0	2.0
		39.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	2.9	2.2	2.9	2.0	3.0	2.0
		10.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.8	3.8	2.9	4.3	2.9	4.7	2.9
		12.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.8	3.8	2.9	4.3	2.9	4.7	2.9
		14.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.8	3.8	2.9	4.3	2.9	4.6	2.9
		16.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.8	3.8	2.9	4.3	2.9	4.6	2.8
		18.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.8	3.8	2.9	4.3	2.9	4.5	2.8
		20.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.8	3.8	2.9	4.3	2.9	4.4	2.7
		21.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.8	3.8	2.9	4.3	2.9	4.4	2.7
		23.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.8	3.8	2.9	4.2	2.8	4.3	2.7
		25.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.8	3.8	2.9	4.2	2.8	4.3	2.7
		27.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.8	3.8	2.9	4.1	2.8	4.2	2.6
40	4.5	29.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.8	3.8	2.9	4.1	2.8	4.2	2.6
		31.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.8	3.8	2.9	4.0	2.7	4.1	2.6
		33.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.8	3.8	2.9	3.9	2.7	4.0	2.6
		35.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.8	3.8	2.8	3.9	2.7	4.0	2.6
		37.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.8	3.7	2.8	3.8	2.7	3.9	2.6
		39.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.9	3.7	2.8	3.8	2.6	3.8	2.6
		10.0	3.0	2.8	3.6	3.0	4.2	3.3	4.5	3.4	4.8	3.5	5.4	3.2	5.9	3.5
		12.0	3.0	2.8	3.6	3.0	4.2	3.3	4.5	3.4	4.8	3.5	5.4	3.2	5.8	3.5
		14.0	3.0	2.8	3.6	3.0	4.2	3.3	4.5	3.4	4.8	3.5	5.4	3.2	5.8	3.5
		16.0	3.0	2.8	3.6	3.0	4.2	3.3	4.5	3.4	4.8	3.5	5.4	3.2	5.7	3.4
		18.0	3.0	2.8	3.6	3.0	4.2	3.3	4.5	3.4	4.8	3.5	5.4	3.2	5.6	3.4
		20.0	3.0	2.8	3.6	3.0	4.2	3.3	4.5	3.4	4.8	3.5	5.4	3.2	5.5	3.4
		21.0	3.0	2.8	3.6	3.0	4.2	3.3	4.5	3.4	4.8	3.5	5.4	3.2	5.5	3.3
		23.0	3.0	2.8	3.6	3.0	4.2	3.3	4.5	3.4	4.8	3.5	5.3	3.2	5.4	3.3
		25.0	3.0	2.8	3.6	3.0	4.2	3.3	4.5	3.4	4.8	3.5	5.2	3.2	5.3	3.3
		27.0	3.0	2.8	3.6	3.0	4.2	3.3	4.5	3.4	4.8	3.5	5.2	3.1	5.3	3.3
		29.0	3.0	2.8	3.6	3.0	4.2	3.3	4.5	3.4	4.8	3.5	5.1	3.1	5.2	3.2
		31.0	3.0	2.8	3.6	3.0	4.2	3.3	4.5	3.4	4.8	3.5	5.0	3.1	5.1	3.2
		33.0	3.0	2.8	3.6	3.0	4.2	3.3	4.5	3.4	4.8	3.5	4.9	3.0	5.0	3.2
		35.0	3.0	2.8	3.6	3.0	4.2	3.3	4.5	3.4	4.7	3.5	4.9	3.0	5.0	3.1
		37.0	3.0	2.8	3.6	3.0	4.2	3.3	4.5	3.4	4.7	3.5	4.8	3.0	4.9	3.1
		39.0	3.0	2.8	3.6	3.0	4.2	3.3	4.5	3.4	4.6	3.4	4.7	3.0	4.8	3.1

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4 Capacity tables

4 - 1 Cooling capacity tables

FXFQ-P			TC: Total capacity;kW – SHC: Sensible capacity;kW															
Unit size	Nominal capacity	Outdoor air temp.	Indoor air temperature												22.0WB 30.0DB		24.0WB 32.0DB	
			14.0WB 20.0DB		16.0WB 23.0DB		18.0WB 26.0DB		19.0WB 27.0DB		20.0WB 28.0DB							
			°CDB	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	
50	5.6	10.0	3.8	3.2	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.7	3.9	7.4	4.3		
		12.0	3.8	3.2	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.7	3.9	7.3	4.3		
		14.0	3.8	3.2	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.7	3.9	7.2	4.3		
		16.0	3.8	3.2	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.7	3.9	7.1	4.2		
		18.0	3.8	3.2	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.7	3.9	7.0	4.2		
		20.0	3.8	3.2	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.7	3.9	6.9	4.1		
		21.0	3.8	3.2	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.7	3.9	6.8	4.1		
		23.0	3.8	3.2	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.6	3.9	6.7	4.1		
		25.0	3.8	3.2	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.5	3.9	6.6	4.0		
		27.0	3.8	3.2	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.4	3.8	6.6	4.0		
		29.0	3.8	3.2	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.3	3.8	6.5	3.9		
		31.0	3.8	3.2	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.2	3.8	6.4	3.9		
		33.0	3.8	3.2	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.1	3.7	6.3	3.9		
		35.0	3.8	3.2	4.5	3.6	5.2	4.0	5.6	4.1	5.9	4.2	6.0	3.7	6.2	3.8		
37.0	3.8	3.2	4.5	3.6	5.2	4.0	5.6	4.1	5.8	4.2	5.9	3.6	6.1	3.8				
39.0	3.8	3.2	4.5	3.6	5.2	4.0	5.6	4.1	5.7	4.1	5.8	3.6	6.0	3.7				
63	7.1	10.0	4.8	4.1	5.7	4.6	6.6	5.0	7.1	5.2	7.6	5.3	8.5	5.4	9.3	5.5		
		12.0	4.8	4.1	5.7	4.6	6.6	5.0	7.1	5.2	7.6	5.3	8.5	5.4	9.2	5.4		
		14.0	4.8	4.1	5.7	4.6	6.6	5.0	7.1	5.2	7.6	5.3	8.5	5.4	9.1	5.4		
		16.0	4.8	4.1	5.7	4.6	6.6	5.0	7.1	5.2	7.6	5.3	8.5	5.4	9.0	5.3		
		18.0	4.8	4.1	5.7	4.6	6.6	5.0	7.1	5.2	7.6	5.3	8.5	5.4	8.8	5.2		
		20.0	4.8	4.1	5.7	4.6	6.6	5.0	7.1	5.2	7.6	5.3	8.5	5.4	8.7	5.1		
		21.0	4.8	4.1	5.7	4.6	6.6	5.0	7.1	5.2	7.6	5.3	8.5	5.4	8.7	5.1		
		23.0	4.8	4.1	5.7	4.6	6.6	5.0	7.1	5.2	7.6	5.3	8.4	5.4	8.5	5.0		
		25.0	4.8	4.1	5.7	4.6	6.6	5.0	7.1	5.2	7.6	5.3	8.3	5.3	8.4	5.0		
		27.0	4.8	4.1	5.7	4.6	6.6	5.0	7.1	5.2	7.6	5.3	8.1	5.2	8.3	5.0		
		29.0	4.8	4.1	5.7	4.6	6.6	5.0	7.1	5.2	7.6	5.3	8.0	5.1	8.2	4.9		
		31.0	4.8	4.1	5.7	4.6	6.6	5.0	7.1	5.2	7.6	5.3	7.9	5.1	8.1	4.9		
		33.0	4.8	4.1	5.7	4.6	6.6	5.0	7.1	5.2	7.6	5.3	7.8	5.0	7.9	4.8		
		35.0	4.8	4.1	5.7	4.6	6.6	5.0	7.1	5.2	7.5	5.2	7.7	5.0	7.8	4.8		
37.0	4.8	4.1	5.7	4.6	6.6	5.0	7.1	5.2	7.4	5.2	7.5	4.9	7.7	4.7				
39.0	4.8	4.1	5.7	4.6	6.6	5.0	7.1	5.2	7.2	5.1	7.4	4.9	7.6	4.7				
80	9.0	10.0	6.1	5.2	7.2	5.8	8.4	6.4	9.0	6.5	9.6	6.7	10.8	6.9	11.8	7.1		
		12.0	6.1	5.2	7.2	5.8	8.4	6.4	9.0	6.5	9.6	6.7	10.8	6.9	11.7	7.0		
		14.0	6.1	5.2	7.2	5.8	8.4	6.4	9.0	6.5	9.6	6.7	10.8	6.9	11.5	6.9		
		16.0	6.1	5.2	7.2	5.8	8.4	6.4	9.0	6.5	9.6	6.7	10.8	6.9	11.4	6.8		
		18.0	6.1	5.2	7.2	5.8	8.4	6.4	9.0	6.5	9.6	6.7	10.8	6.9	11.2	6.7		
		20.0	6.1	5.2	7.2	5.8	8.4	6.4	9.0	6.5	9.6	6.7	10.8	6.9	11.1	6.6		
		21.0	6.1	5.2	7.2	5.8	8.4	6.4	9.0	6.5	9.6	6.7	10.8	6.9	11.0	6.6		
		23.0	6.1	5.2	7.2	5.8	8.4	6.4	9.0	6.5	9.6	6.7	10.6	6.8	10.8	6.4		
		25.0	6.1	5.2	7.2	5.8	8.4	6.4	9.0	6.5	9.6	6.7	10.5	6.7	10.7	6.4		
		27.0	6.1	5.2	7.2	5.8	8.4	6.4	9.0	6.5	9.6	6.7	10.3	6.6	10.5	6.3		
		29.0	6.1	5.2	7.2	5.8	8.4	6.4	9.0	6.5	9.6	6.7	10.2	6.5	10.4	6.2		
		31.0	6.1	5.2	7.2	5.8	8.4	6.4	9.0	6.5	9.6	6.7	10.0	6.5	10.2	6.2		
		33.0	6.1	5.2	7.2	5.8	8.4	6.4	9.0	6.5	9.6	6.7	9.8	6.4	10.1	6.2		
		35.0	6.1	5.2	7.2	5.8	8.4	6.4	9.0	6.5	9.5	6.6	9.7	6.4	9.9	6.1		
37.0	6.1	5.2	7.2	5.8	8.4	6.4	9.0	6.5	9.3	6.5	9.5	6.3	9.8	6.0				
39.0	6.1	5.2	7.2	5.8	8.4	6.4	9.0	6.6	9.2	6.5	9.4	6.2	9.6	6.0				
100	11.2	10.0	7.6	6.2	9.0	6.9	10.5	7.7	11.2	7.8	11.9	8.0	13.4	8.3	14.7	8.5		
		12.0	7.6	6.2	9.0	6.9	10.5	7.7	11.2	7.8	11.9	8.0	13.4	8.3	14.5	8.3		
		14.0	7.6	6.2	9.0	6.9	10.5	7.7	11.2	7.8	11.9	8.0	13.4	8.3	14.4	8.3		
		16.0	7.6	6.2	9.0	6.9	10.5	7.7	11.2	7.8	11.9	8.0	13.4	8.3	14.2	8.1		
		18.0	7.6	6.2	9.0	6.9	10.5	7.7	11.2	7.8	11.9	8.0	13.4	8.3	14.0	8.0		
		20.0	7.6	6.2	9.0	6.9	10.5	7.7	11.2	7.8	11.9	8.0	13.4	8.3	13.8	7.9		
		21.0	7.6	6.2	9.0	6.9	10.5	7.7	11.2	7.8	11.9	8.0	13.4	8.3	13.7	7.9		
		23.0	7.6	6.2	9.0	6.9	10.5	7.7	11.2	7.8	11.9	8.0	13.2	8.2	13.5	7.8		
		25.0	7.6	6.2	9.0	6.9	10.5	7.7	11.2	7.8	11.9	8.0	13.0	8.1	13.3	7.7		
		27.0	7.6	6.2	9.0	6.9	10.5	7.7	11.2	7.8	11.9	8.0	12.8	8.0	13.1	7.6		
		29.0	7.6	6.2	9.0	6.9	10.5	7.7	11.2	7.8	11.9	8.0	12.6	7.9	12.9	7.5		
		31.0	7.6	6.2	9.0	6.9	10.5	7.7	11.2	7.8	11.9	8.0	12.4	7.8	12.7	7.4		
		33.0	7.6	6.2	9.0	6.9	10.5	7.7	11.2	7.8	11.9	8.0	12.2	7.7	12.5	7.4		
		35.0	7.6	6.2	9.0	6.9	10.5	7.7	11.2	7.8	11.8	7.9	12.1	7.6	12.3	7.3		
37.0	7.6	6.2	9.0	6.9	10.5	7.7	11.2	7.8	11.6	7.8	11.9	7.5	12.2	7.2				
39.0	7.6	6.2	9.0	6.9	10.5	7.7	11.2	7.9	11.4	7.7	11.7	7.5	12.0	7.2				
125	14.0	10.0	9.5	7.7	11.3	8.6	13.1	9.6	14.0	9.8	14.9	9.9	16.8	10.5	18.4	10.9		
		12.0	9.5	7.7	11.3	8.6	13.1	9.6	14.0	9.8	14.9	9.9	16.8	10.5	18.2	10.7		
		14.0	9.5	7.7	11.3	8.6	13.1	9.6	14.0	9.8	14.9	9.9	16.8	10.5	18.0	10.6		
		16.0	9.5	7.7	11.3	8.6	13.1	9.6	14.0	9.8	14.9	9.9	16.8	10.5	17.7	10.4		
		18.0	9.5	7.7	11.3	8.6	13.1	9.6	14.0	9.8	14.9	9.9	16.8	10.5	17.5	10.3		
		20.0	9.5	7.7	11.3	8.6	13.1	9.6	14.0	9.8	14.9	9.9	16.8	10.5	17.2	10.2		
		21.0	9.5	7.7	11.3	8.6	13.1	9.6	14.0	9.8	14.9	9.9	16.8	10.5	17.1	10.1		
		23.0	9.5	7.7	11.3	8.6	13.1	9.6	14.0	9.8	14.9	9.9	16.5	10.3	16.9	9.9		
		25.0	9.5	7.7	11.3	8.6	13.1	9.6	14.0	9.8	14.9	9.9	16.3	10.2	16.6	9.8		
		27.0	9.5	7.7	11.3	8.6	13.1	9.6	14.0	9.8	14.9	9.9	16.1	10.0	16.4	9.7		
		29.0	9.5	7.7	11.3	8.6	13.1	9.6	14.0	9.8	14.9	9.9	15.8	9.8	16.2	9.6		
		31.0	9.5	7.7	11.3	8.6	13.1	9.6	14.0	9.8	14.9	9.9	15.6	9.8	15.9	9.4		
		33.0	9.5	7.7	11.3	8.6	13.1	9.6	14.0	9.8	14.9	9.9	15.3	9.6	15.7	9.2		
		35.0	9.5	7.7	11.3	8.6	13.1	9.6	14.0	9.8	14.8	9.8	15.1	9.5	15.4	9.1		
37.0	9.5	7.7	11.3	8.6	13.1	9.6	14.0	9.8	14.5	9.7	14.9	9.4	15.2	9.0				
39.0	9.5	7.7	11.3	8.6	13.1	9.6	14.0	9.8	14.3	9.5	14.6	9.2	15.0	8.9				

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4 Capacity tables

4 - 2 Heating capacity tables

4

FXFQ-P

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

3TW25512-2A

4 Capacity tables

4 - 2 Heating capacity tables

FXFQ-P

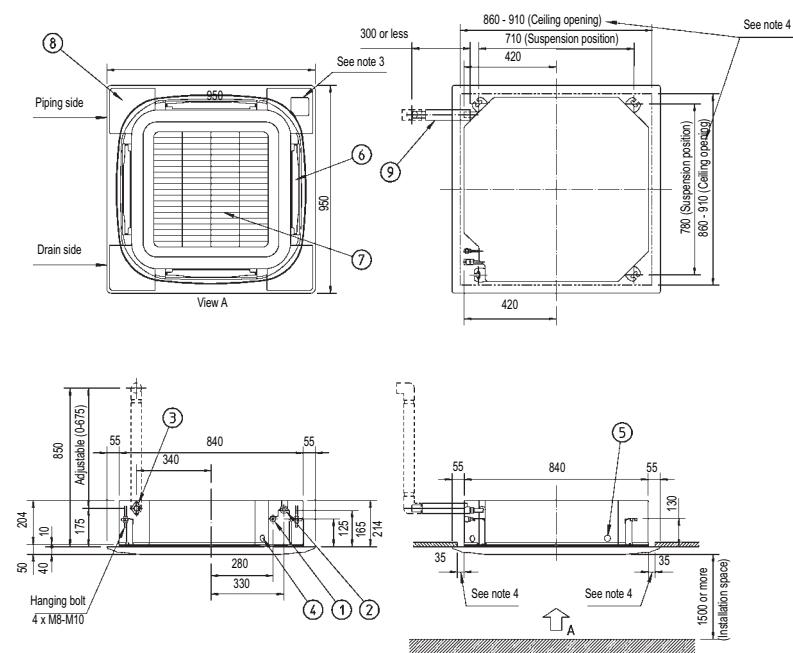
Unit size	Nominal Capacity	Outdoor air temp		Indoor air temp.: °CDB					
				16.0	18.0	20.0	21.0	22.0	24.0
		(°CDB)	(°CWB)	KW	KW	KW	KW	KW	KW
50	6.3	-19.8	-20.0	3.7	3.7	3.7	3.7	3.7	3.7
		-18.8	-19.0	3.8	3.8	3.8	3.8	3.8	3.8
		-16.7	-17.0	4.1	4.0	4.0	4.0	4.0	4.0
		-14.7	-15.0	4.3	4.3	4.3	4.2	4.2	4.2
		-12.6	-13.0	4.5	4.5	4.5	4.5	4.5	4.5
		-10.5	-11.0	4.7	4.7	4.7	4.7	4.7	4.7
		-9.5	-10.0	4.8	4.8	4.8	4.8	4.8	4.8
		-8.5	-9.1	4.9	4.9	4.9	4.9	4.9	4.9
		-7.0	-7.6	5.1	5.1	5.1	5.1	5.1	5.1
		-5.0	-5.6	5.3	5.3	5.3	5.3	5.3	5.3
		-3.0	-3.7	5.5	5.5	5.5	5.5	5.5	5.5
		0.0	-0.7	5.9	5.9	5.8	5.8	5.8	5.5
		3.0	2.2	6.2	6.2	6.2	6.1	5.9	5.5
		5.0	4.1	6.4	6.4	6.3	6.1	5.9	5.5
		7.0	6.0	6.6	6.6	6.3	6.1	5.9	5.5
		9.0	7.9	6.8	6.7	6.3	6.1	5.9	5.5
		11.0	9.8	7.0	6.7	6.3	6.1	5.9	5.5
		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	8.0	-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	10.0	-19.8	-20.0	5.9	5.9	5.9	5.9	5.9	5.8
		-18.8	-19.0	6.1	6.1	6.0	6.0	6.0	6.0
		-16.7	-17.0	6.4	6.4	6.4	6.4	6.4	6.4
		-14.7	-15.0	6.8	6.8	6.8	6.7	6.7	6.7
		-12.6	-13.0	7.1	7.1	7.1	7.1	7.1	7.1
		-10.5	-11.0	7.5	7.5	7.5	7.5	7.4	7.4
		-9.5	-10.0	7.7	7.7	7.6	7.6	7.6	7.6
		-8.5	-9.1	7.8	7.8	7.8	7.8	7.8	7.8
		-7.0	-7.6	8.1	8.1	8.1	8.1	8.0	8.0
		-5.0	-5.6	8.4	8.4	8.4	8.4	8.4	8.4
		-3.0	-3.7	8.8	8.8	8.7	8.7	8.7	8.7
		0.0	-0.7	9.3	9.3	9.3	9.3	9.3	8.7
		3.0	2.2	9.8	9.8	9.8	9.7	9.4	8.7
		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	12.5	-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	9.3	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	16.0	-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

3TW25512-2A

5 Dimensional drawing & centre of gravity

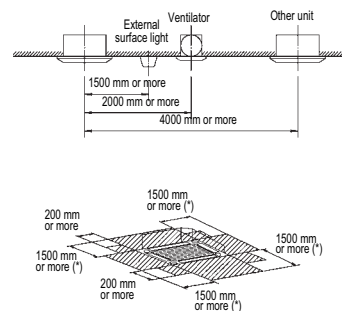
5 - 1 Dimensional drawing

FXFQ20-25-32-40-50-63P



Model	A	B
FXFQ20-50	6.35	12.7
FXFQ63	9.52	159

Nr	Name	Description
1	Liquid pipe connection	ø A flare connection
2	Gas pipe connection	ø B flare connection
3	Drain pipe connection	VP25 (O.D. ø32, I.D. ø25)
4	Power supply connection	
5	Transmission wiring connection	M5 (Inside control box)
6	Air discharge opening	Note 1
7	Corner decoration cover	
8	Drain house	O.D. ø32 I.D. ø26



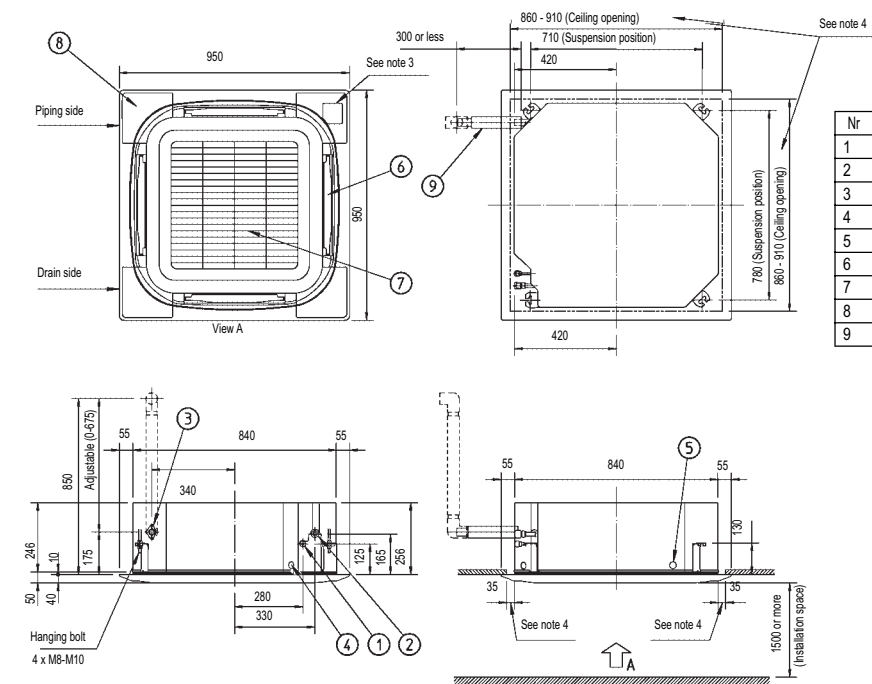
NOTES

(*) In case a discharge opening is closed with the 'sealing member' option, the distance of 1500 mm can be reduced to 500 mm on the closed side.

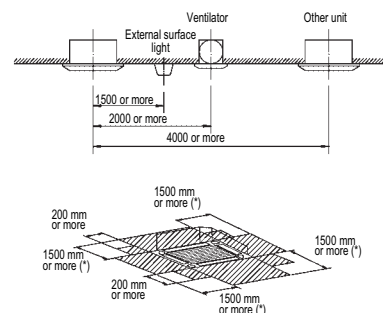
- Location of the nameplates:
- Unit body: on the control box cover.
- Decoration panel: on the panel frame at the motor side under the corner cover
- When installing an optional accessory, refer to the installation drawings
- For the fresh air intake kit ... an inspection port is necessary
- In case of using an Infrared remote control, this position will be a signal receiver.
Refer to the drawing of the infrared remote control for more detail
- Make sure the spacing between the ceiling and the cassette is no more than 35 mm. Max ceiling opening: 910 mm.
- When the conditions exceed 30°C and RH 80% in the ceiling or fresh air is induced into the ceiling, an additional insulation is required (polyethylene foam, thickness 10 mm or more.)
- Please respect the distances as shown on figure above.

3TW28834-1A

FXFQ80,100P



Nr	Name	Description
1	Liquid pipe connection	ø 9.52 flare connection
2	Gas pipe connection	ø 15.90 flare connection
3	Drain pipe connection	VP25 (O.D. ø32, I.D. ø25)
4	Power supply connection	
5	Transmission wiring connection	
6	Air discharge opening	
7	Air suction grill	
8	Corner decoration cover	
9	Drain house	O.D. ø32 I.D. ø26



NOTES

(*) In case a discharge opening is closed with the 'sealing member' option, the distance of 1500 mm can be reduced to 500 mm on the closed side.

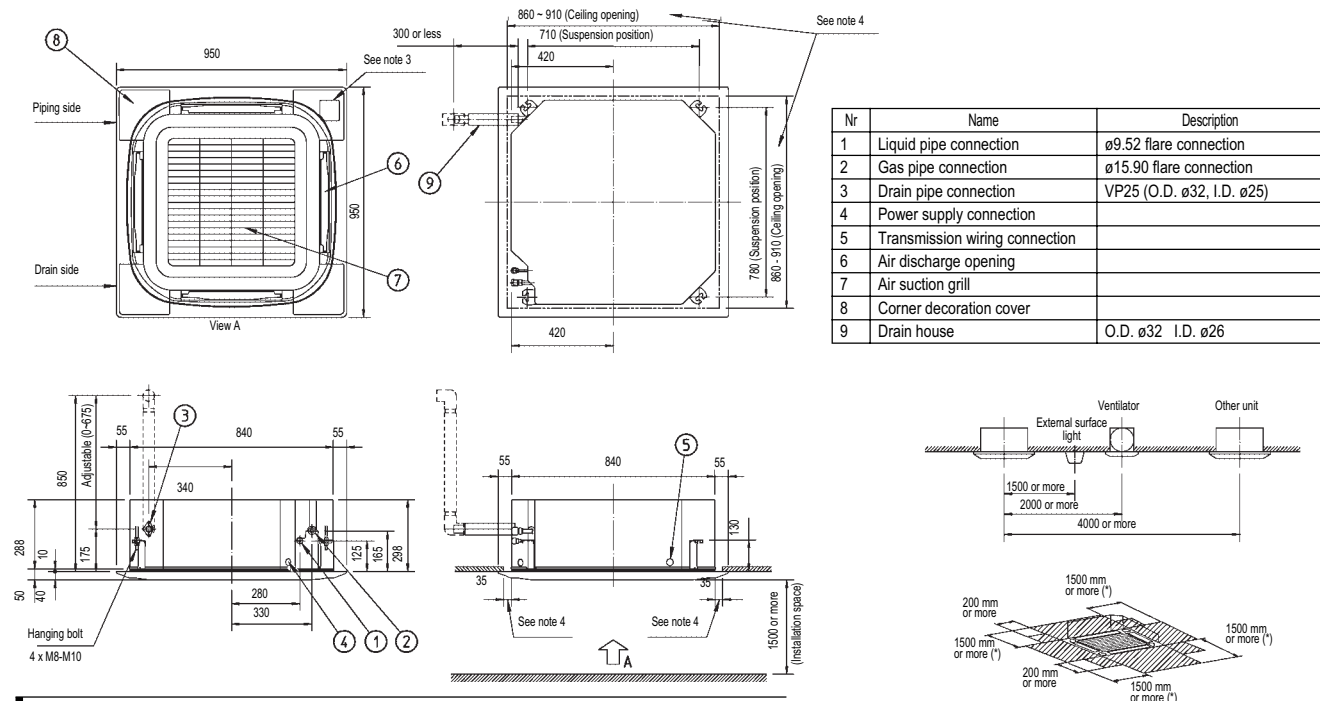
- Location of the nameplates:
- Unit body: on the control box cover.
- Decoration panel: on the panel frame at the motor side under the corner cover
- When installing an optional accessory, refer to the installation drawing
- For the fresh air intake kit ... an inspection port is necessary
- In case of using an Infrared remote control, this position will be a signal receiver.
Refer to the drawing of the infrared remote control for more detail
- Make sure the spacing between the ceiling and the cassette is no more than 35 mm. Max ceiling opening: 910 mm.
- When the conditions exceed 30°C and RH 80% in the ceiling or fresh air is induced into the ceiling, an additional insulation is required (polyethylene foam, thickness 10 mm or more.)
- Please respect the distances as shown on figure above.

3TW28894-1A

5 Dimensional drawing & centre of gravity

5 - 1 Dimensional drawing

FXFQ125P



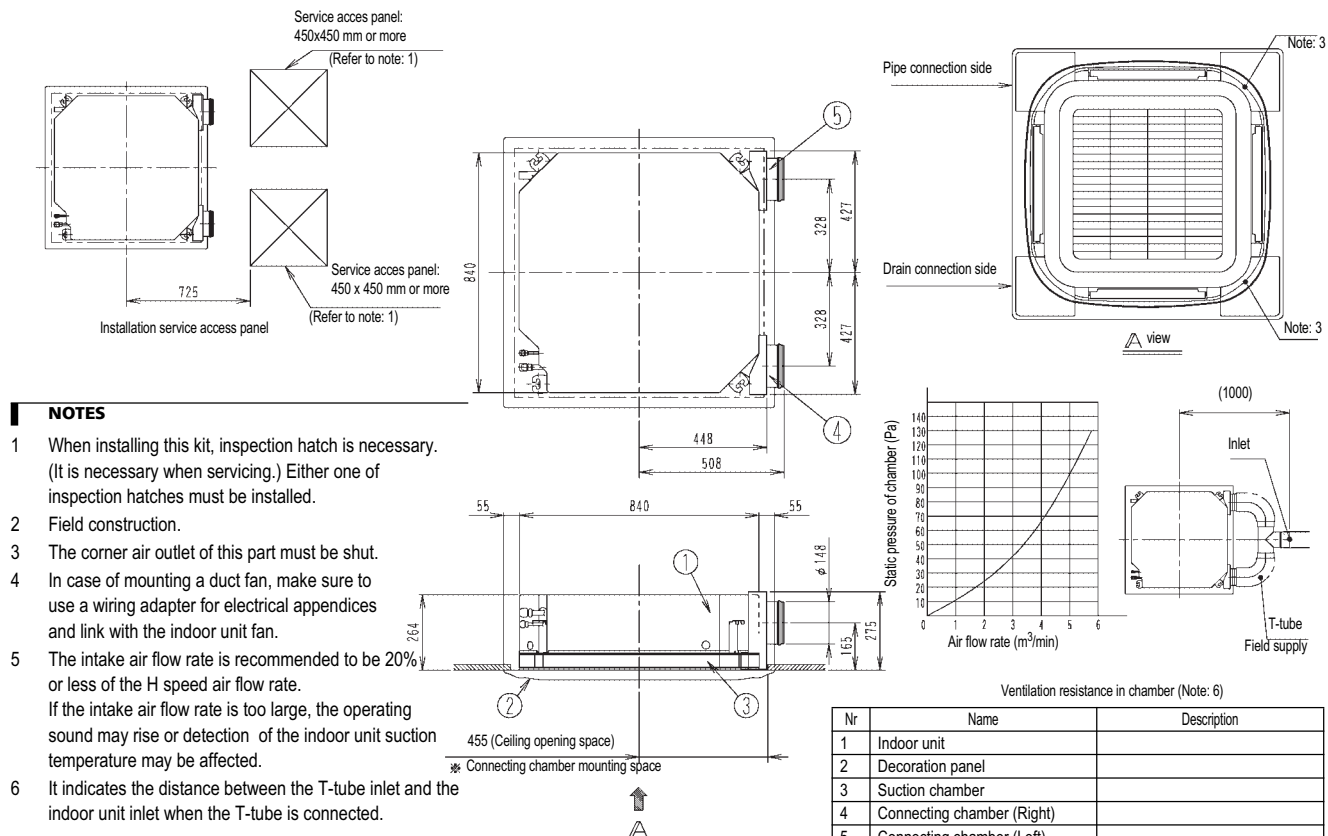
NOTES

- Location of the nameplates:
- Unit body: on the control box cover.
- Decoration panel: on the panel frame at the motor side under the corner cover
- When installing an optional accessory, refer to the installation drawings
- For the fresh air intake kit ... an inspection port is necessary
- In case of using an Infrared remote control, this position will be a signal receiver. Refer to the drawing of the infrared remote control for more detail
- Make sure the spacing between the ceiling and the cassette is no more than 35 mm. Max ceiling opening: 910 mm.
- When the conditions exceed 30°C and RH 80% in the ceiling or fresh air is inducted into the ceiling, an additional insulation is required (polyethylene foam, thickness 10 mm or more.)
- Please respect the distances as shown above

(*) In case a discharge opening is closed with the 'sealing member' option, the distance of 1500 mm can be reduced to 500 mm on the closed side.

3TW28914-1A

FXFQ20,25,32,40,50,63P



NOTES

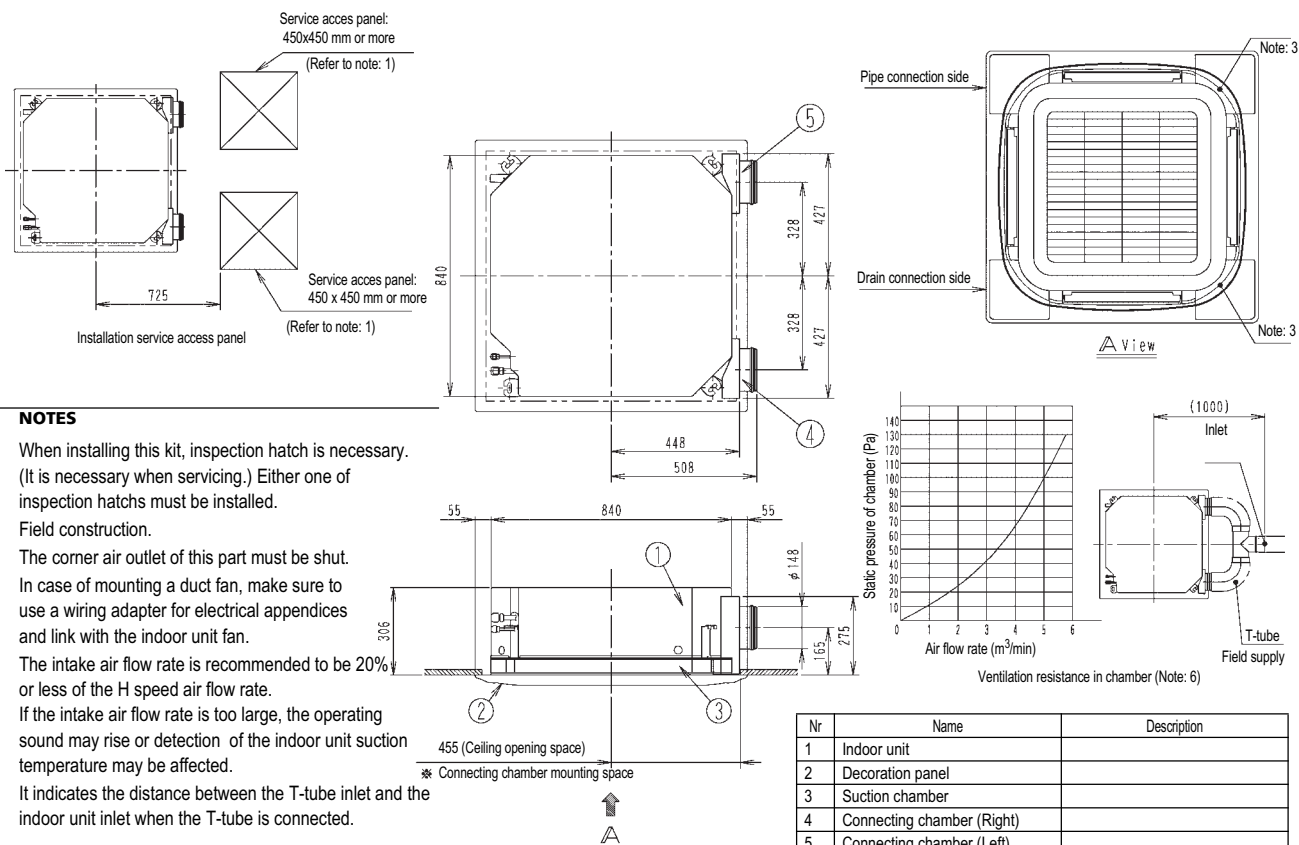
- When installing this kit, inspection hatch is necessary. (It is necessary when servicing.) Either one of inspection hatches must be installed.
- Field construction.
- The corner air outlet of this part must be shut.
- In case of mounting a duct fan, make sure to use a wiring adapter for electrical appendices and link with the indoor unit fan.
- The intake air flow rate is recommended to be 20% or less of the H speed air flow rate. If the intake air flow rate is too large, the operating sound may rise or detection of the indoor unit suction temperature may be affected.
- It indicates the distance between the T-tube inlet and the indoor unit inlet when the T-tube is connected.

3D057035

5 Dimensional drawing & centre of gravity

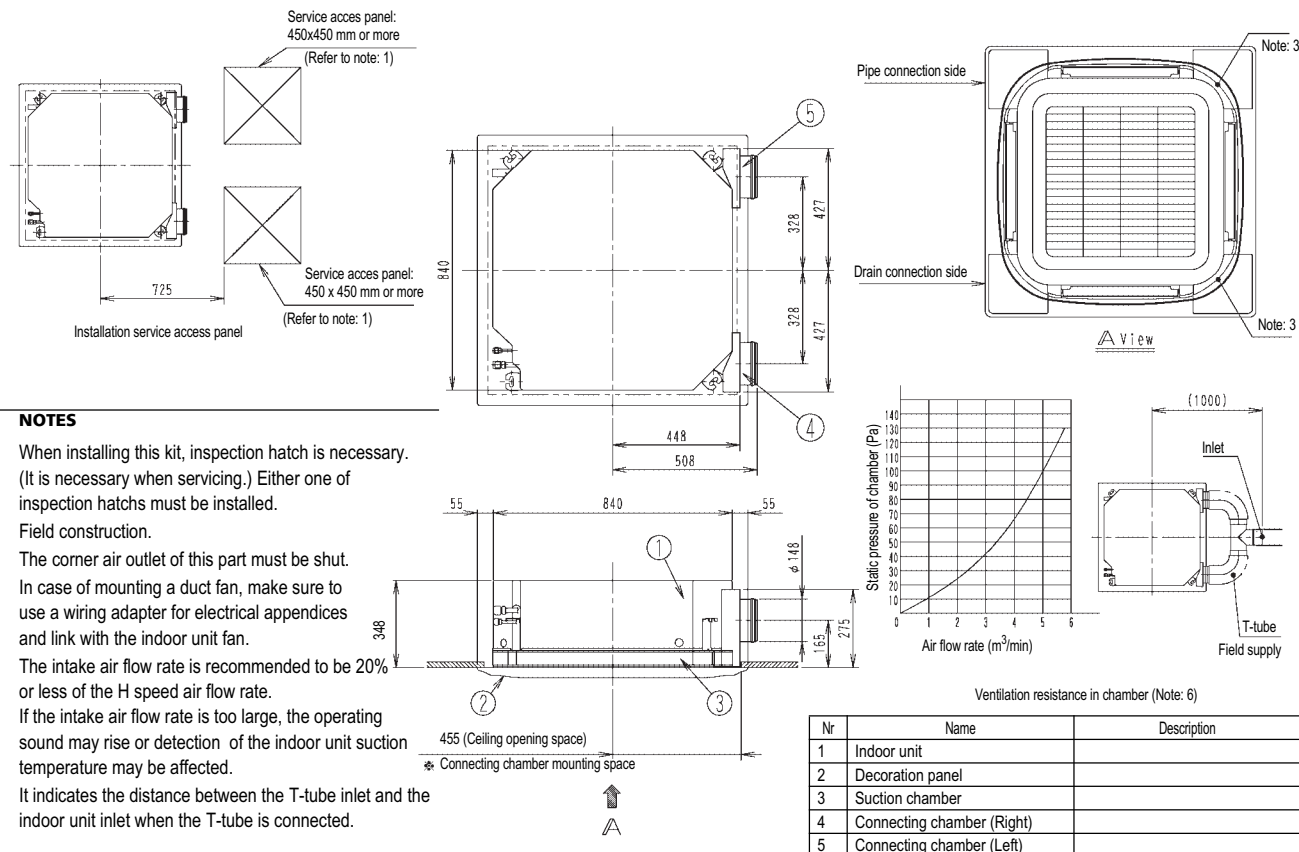
5 - 1 Dimensional drawing

FXFQ80,100P



3D057034

FXFQ125P



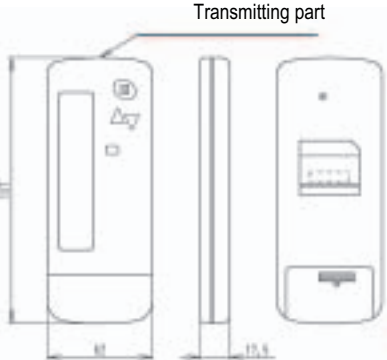
3D057032

5 Dimensional drawing & centre of gravity

5 - 1 Dimensional drawing

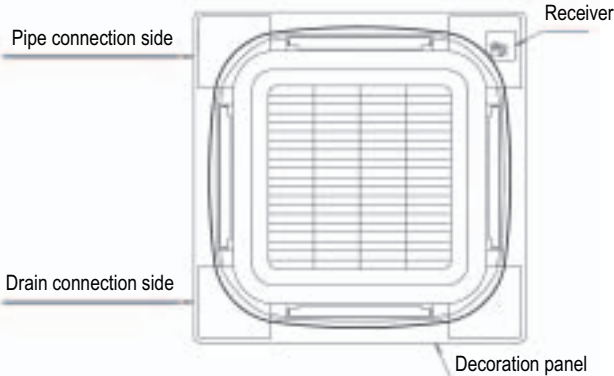
FXFQ-P

Remote control dimensions



Transmitting part

Receiver installation procedure



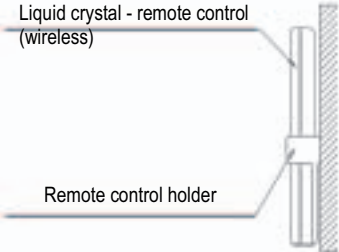
Pipe connection side

Drain connection side

Receiver

Decoration panel

Remote control holder installation procedure (installation to wall surface)



Liquid crystal - remote control (wireless)

Remote control holder

Receiver detail



Wireless remote control kit for each decoration panel

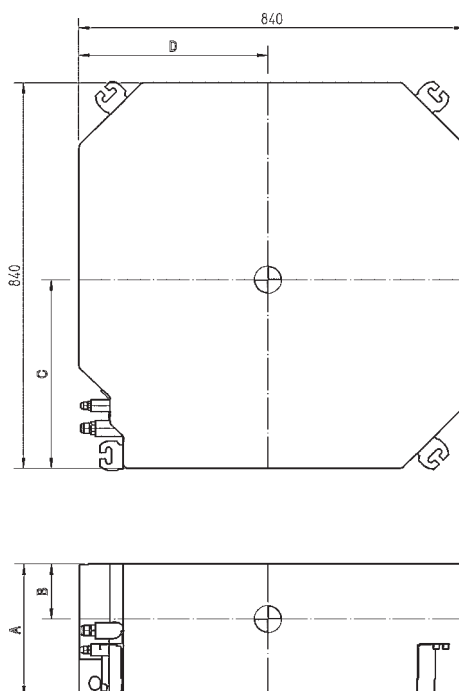
Wireless remote control kit	Decoration panel
BRC7F532F BRC7F533F	BYCQ140CW1

3D056851

5 Dimensional drawing & centre of gravity

5 - 2 Centre of gravity

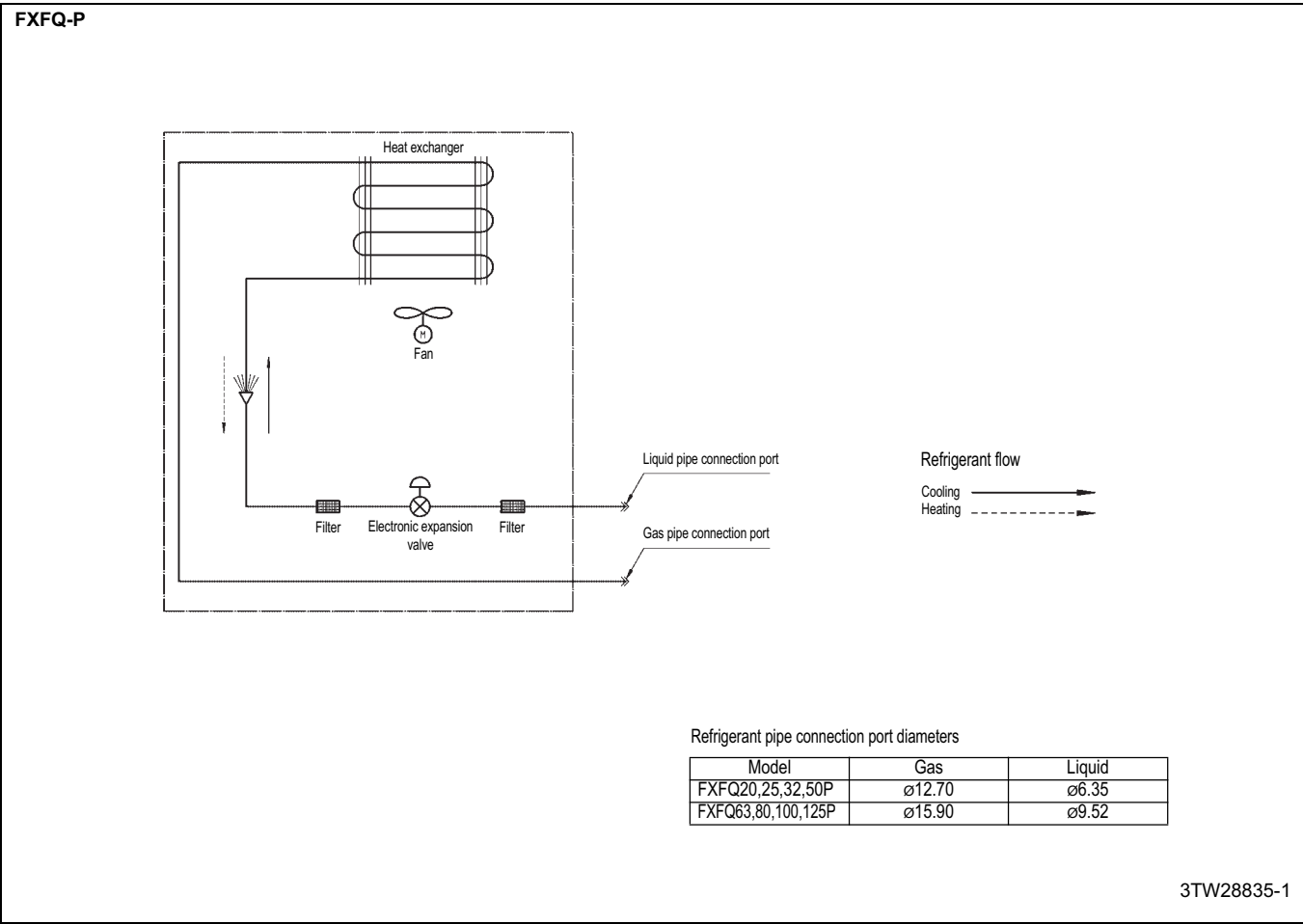
FXFQ-P



Models	A	B	C	D
FXFQ20~63	202	60	409	358
FXFQ80~100	246	90	411	411
FXFQ125	288	120	420	420

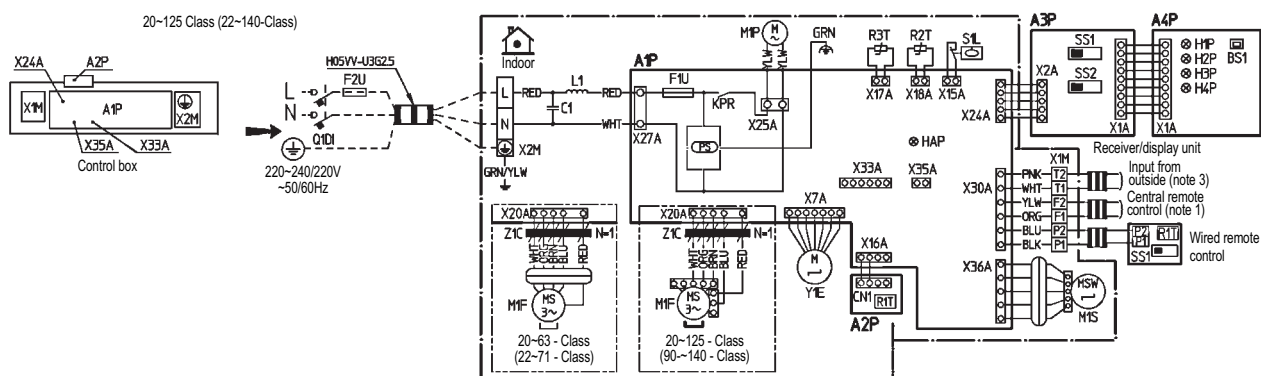
4TW28839-2

6 Piping diagram



7 - 1 Wiring diagram

FXFQ20,25,32,40,50,63,80,100,125P



Indoor unit		Q1DI	Earth leak detector	H1P	Light emitting diode (on-red)
A1P	Printed circuit board	R1T	Thermistor (air)	H2P	Light emitting diode (timer-green)
A2P	Printed circuit board (humidity sensor unit)	R2T	Thermistor (coil)	H3P	Light emitting diode (filter sign-red)
C1	Capacitor	R3T	Thermistor (header)	H4P	Light emitting diode (defrost-orange)
F1U	Fuse (T, 5A, 250V)	S1L	Float switch	SS1	Selector switch (main/sub)
F2U	Field fuse	X1M	Terminal strip	SS2	Selector switch (wireless address set)
HAP	Light emitting diode (service monitor green)	X2M	Terminal strip		Connector for optional parts
KPR	Magnetic relay (M1P)	Y1E	Electronic expansion valve	X24A	Connector (infrared remote control)
L1	Coil	Z1C	Ferrite core	X33A	Connector (adapter for wiring)
M1F	Motor (indoor fan)	Receiver/display unit (attached to infrared remote control)		X35A	Connector (group control adapter)
M1P	Motor (drain pump)	A3P	Printed circuit board		Infrared remote control
M1S	Motor (swing flap)	A4P	Printed circuit board	R1T	Thermistor (air)
PS	Power supply circuit	BS1	Push button (on/off)	SS1	Selector switch (main/sub)

 : Terminal block
 : Connector
 : Field wiring

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

3TW28836-1A

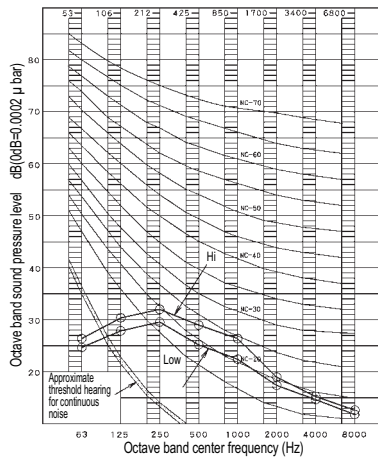
NOTES

- 1 In case of using central remote control, connect it to the unit in accordance with the attached installation manual.
- 2 X24A, X33A, and X35A are connected when the optional accessories are being used.
- 3 When connecting the input wires from outside, forced off or on/off control operation can be selected by remote control. See installation manual for more details.
- 4 Confirm the method of setting the selector switch (SS1, SS2) by installation manual and engineering data, etc.

8 Sound data

8 - 1 Sound pressure spectrum

FXFQ20P



4D056867

Over All (dB):

(B, G, N is already rectified)

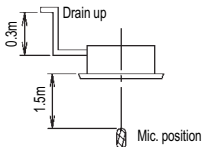
Operating conditions:

- Power source: 220~240V 50Hz/220V 60Hz
- Cooling: return air temperature: 27°C DB, 19°C WB - outdoor temperature: 35°C DB, 24°C WB
- Heating: return air temperature: 20°C DB, 15°C WB - outdoor temperature: 7°C DB, 6°C WB
- 4 direction discharge

Power level (dB): **Hi 49**

Measuring place: Anechoic chamber

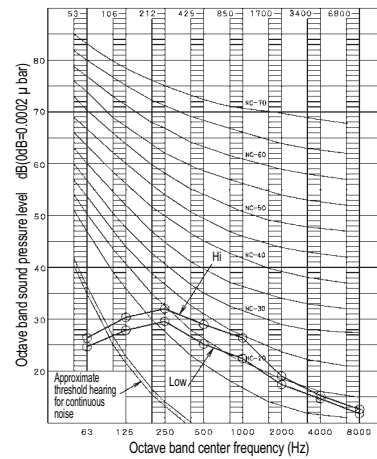
Location of microphone



Note: Operation noise differs with operation and ambient conditions.

Scale	Mode	
	Hi	Low
A	31.0	28.0
C	37.0	34.0

FXFQ25P



4D056868

Over All (dB):

(B, G, N is already rectified)

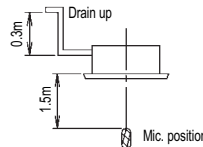
Operating conditions:

- Power source: 220~240V 50Hz/220V 60Hz
- Cooling: return air temperature: 27°C DB, 19°C WB - outdoor temperature: 35°C DB, 24°C WB
- Heating: return air temperature: 20°C DB, 15°C WB - outdoor temperature: 7°C DB, 6°C WB
- 4 direction discharge

Power level (dB): **Hi 49**

Measuring place: Anechoic chamber

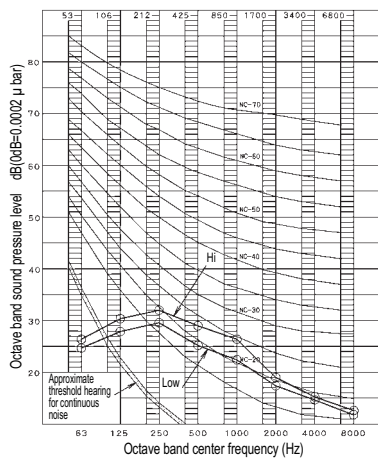
Location of microphone



Note: Operation noise differs with operation and ambient conditions.

Scale	Mode	
	Hi	Low
A	31.0	28.0
C	37.0	34.0

FXFQ32P



4D056869

Over All (dB):

(B, G, N is already rectified)

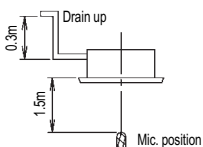
Operating conditions:

- Power source: 220~240V 50Hz/220V 60Hz
- Cooling: return air temperature: 27°C DB, 19°C WB - outdoor temperature: 35°C DB, 24°C WB
- Heating: return air temperature: 20°C DB, 15°C WB - outdoor temperature: 7°C DB, 6°C WB
- 4 direction discharge

Power level (dB): **Hi 49**

Measuring place: Anechoic chamber

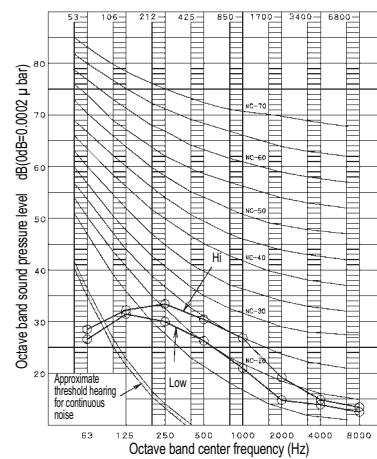
Location of microphone



Note: Operation noise differs with operation and ambient conditions.

Scale	Mode	
	Hi	Low
A	31.0	28.0
C	37.0	34.0

FXFQ40P



4D056870

Over All (dB):

(B, G, N is already rectified)

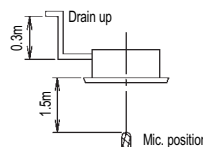
Operating conditions:

- Power source: 220~240V 50Hz/220V 60Hz
- Cooling: return air temperature: 27°C DB, 19°C WB - outdoor temperature: 35°C DB, 24°C WB
- Heating: return air temperature: 20°C DB, 15°C WB - outdoor temperature: 7°C DB, 6°C WB
- 4 direction discharge

Power level (dB): **Hi 50**

Measuring place: Anechoic chamber

Location of microphone



Note: Operation noise differs with operation and ambient conditions.

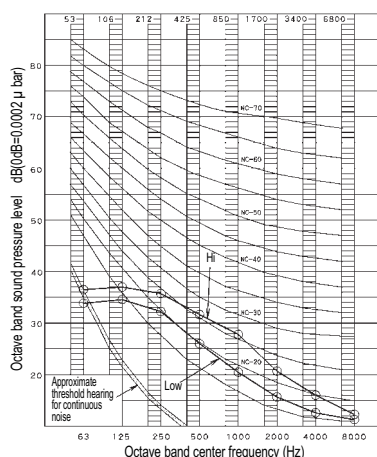
Scale	Mode	
	Hi	Low
A	32.0	28.0
C	38.0	34.0

8 Sound data

8 - 1 Sound pressure spectrum

8

FXFQ50P



4D056871

Over All (dB):

(B, G, N is already rectified)

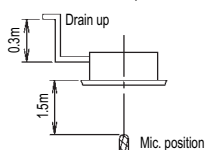
Operating conditions:

- Power source: 220~240V 50Hz/220V 60Hz
- Cooling: return air temperature: 27°C DB, 19°C WB - outdoor temperature: 35°C DB, 24°C WB
- Heating: return air temperature: 20°C DB, 15°C WB - outdoor temperature: 7°C DB, 6°C WB
- 4 direction discharge

Power level (dB): **Hi 51**

Measuring place: Anechoic chamber

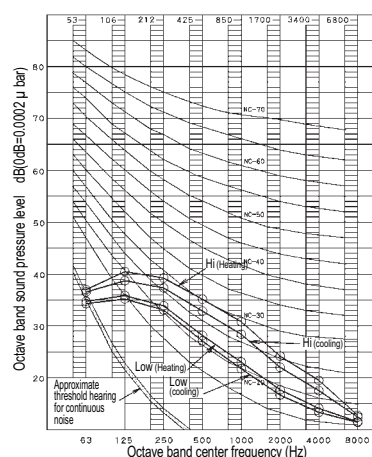
Location of microphone



Note: Operation noise differs with operation and ambient conditions.

Scale	Mode	
	Hi	Low
A	33.0	28.0
C	39.0	34.0

FXFQ63P



4D056872

Over All (dB):

(B, G, N is already rectified)

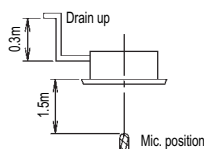
Operating conditions:

- Power source: 220~240V 50Hz/220V 60Hz
- Cooling: return air temperature: 27°C DB, 19°C WB - outdoor temperature: 35°C DB, 24°C WB
- Heating: return air temperature: 20°C DB, 15°C WB - outdoor temperature: 7°C DB, 6°C WB
- 4 direction discharge

Power level (dB): **Hi 54**

Measuring place: Anechoic chamber

Location of microphone

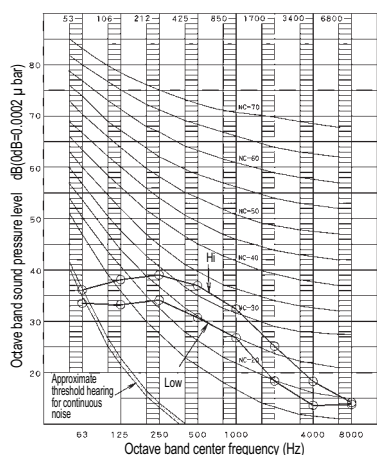


Note: Operation noise differs with operation and ambient conditions.

Scale	Mode			
	Hi		Low	
	Cooling	Heating	Cooling	Heating
A	34.0	36.0	29.0	30.0
C	40.0	42.0	35.0	36.0

Hi	
Cooling	Heating
52	54

FXFQ80P



4D056873

Over All (dB):

(B, G, N is already rectified)

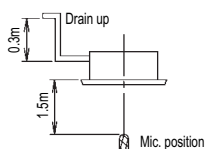
Operating conditions:

- Power source: 220~240V 50Hz/220V 60Hz
- Cooling: return air temperature: 27°C DB, 19°C WB - outdoor temperature: 35°C DB, 24°C WB
- Heating: return air temperature: 20°C DB, 15°C WB - outdoor temperature: 7°C DB, 6°C WB
- 4 direction discharge

Power level (dB): **Hi 55**

Measuring place: Anechoic chamber

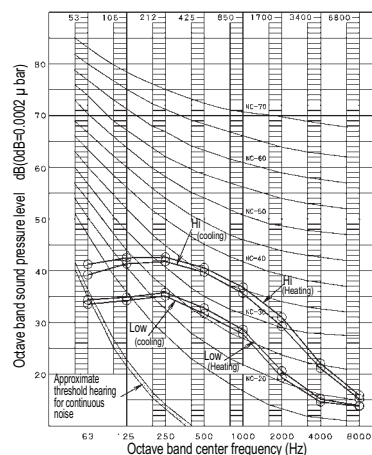
Location of microphone



Note: Operation noise differs with operation and ambient conditions.

Scale	Mode	
	Hi	Low
A	38.0	32.0
C	44.0	38.0

FXFQ100P



4D056874

Over All (dB):

(B, G, N is already rectified)

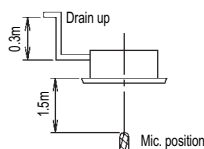
Operating conditions:

- Power source: 220~240V 50Hz/220V 60Hz
- Cooling: return air temperature: 27°C DB, 19°C WB - outdoor temperature: 35°C DB, 24°C WB
- Heating: return air temperature: 20°C DB, 15°C WB - outdoor temperature: 7°C DB, 6°C WB
- 4 direction discharge

Power level (dB): **Hi 58**

Measuring place: Anechoic chamber

Location of microphone



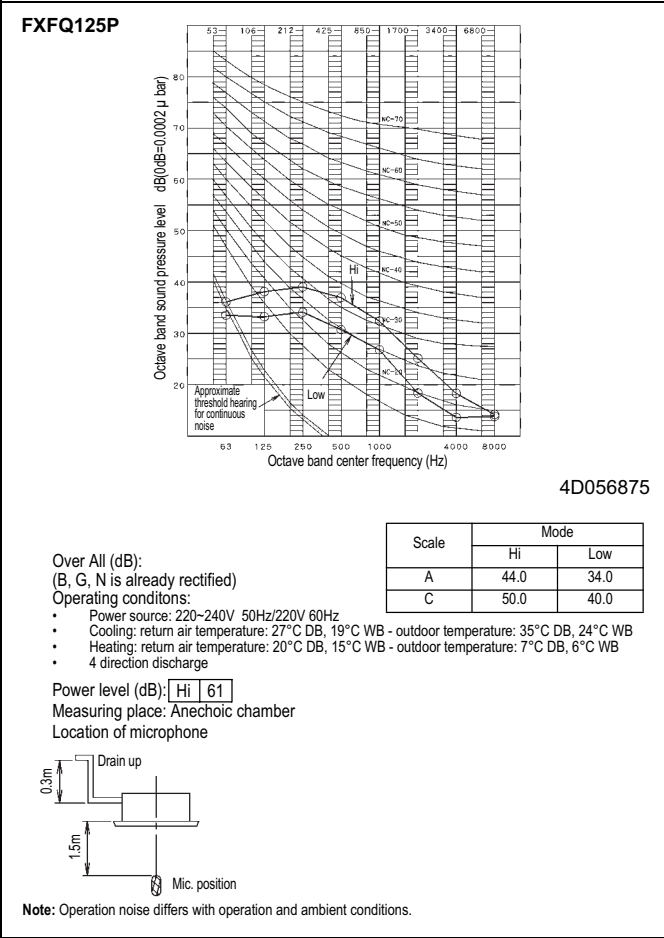
Note: Operation noise differs with operation and ambient conditions.

Scale	Mode			
	Hi		Low	
	Cooling	Heating	Cooling	Heating
A	41.0	42.0	33.0	34.0
C	47.0	48.0	39.0	40.0

Hi	
Cooling	Heating
58	59

8 Sound data

8 - 1 Sound pressure spectrum

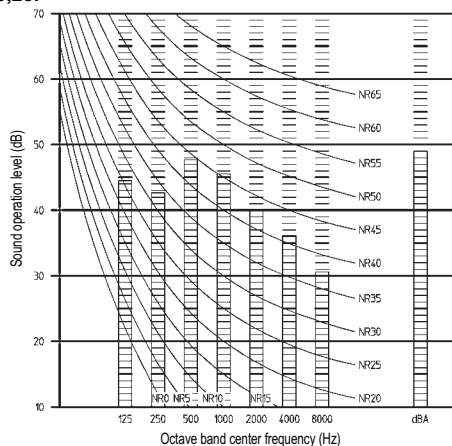


8 Sound data

8 - 2 Sound power spectrum

8

FXFQ20,25P

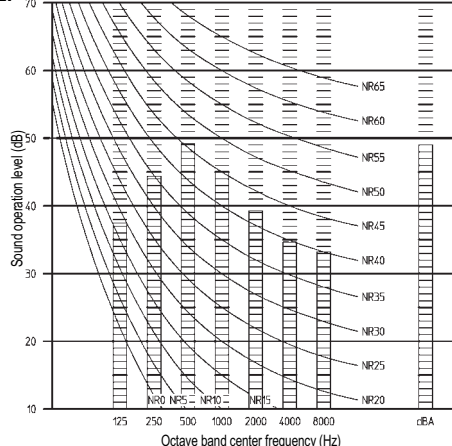


4TW28837-1

NOTES

- 1 Data is valid at free field condition.
- 2 Data is valid at nominal operation condition.
- 3 dBA = A-weighted sound operation level (A-scale according to IEC).
- 4 Reference acoustic intensity $0\text{dB} = 10\text{E-}6\mu\text{W/m}^2$
- 5 Curve for FXFQ20,25P7VEB in cooling mode.

FXFQ32P

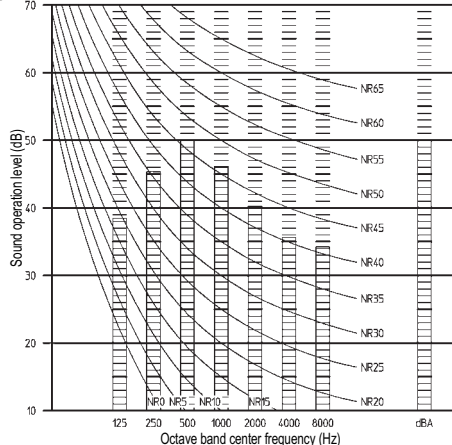


4TW28857-1

NOTES

- 1 Data is valid at free field condition.
- 2 Data is valid at nominal operation condition.
- 3 dBA = A-weighted sound operation level (A-scale according to IEC).
- 4 Reference acoustic intensity $0\text{dB} = 10\text{E-}6\mu\text{W/m}^2$
- 5 Curve for FXF32P7VEB in cooling mode.

FXFQ40P

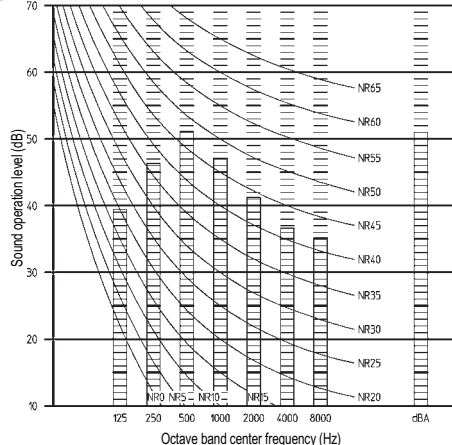


4TW28867-1

NOTES

- 1 Data is valid at free field condition.
- 2 Data is valid at nominal operation condition.
- 3 dBA = A-weighted sound operation level (A-scale according to IEC).
- 4 Reference acoustic intensity $0\text{dB} = 10\text{E-}6\mu\text{W/m}^2$
- 5 Curve for FXFQ40P7VEB in cooling mode.

FXFQ50P



4TW28877-1

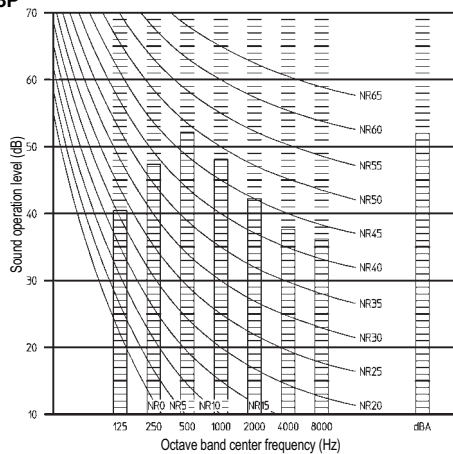
NOTES

- 1 Data is valid at free field condition.
- 2 Data is valid at nominal operation condition.
- 3 dBA = A-weighted sound operation level (A-scale according to IEC).
- 4 Reference acoustic intensity $0\text{dB} = 10\text{E-}6\mu\text{W/m}^2$
- 5 Curve for FXFQ50P7VEB in cooling mode.

8 Sound data

8 - 2 Sound power spectrum

FXFQ63P

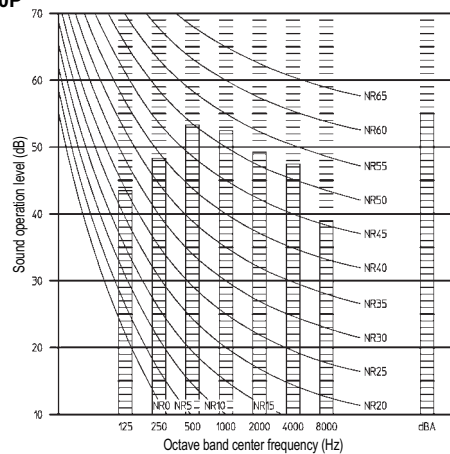


4TW28887-1

NOTES

- 1 Data is valid at free field condition.
- 2 Data is valid at nominal operation condition.
- 3 dBA = A-weighted sound operation level (A-scale according to IEC).
- 4 Reference acoustic intensity $0\text{dB} = 10\text{E-}6\mu\text{W/m}^2$
- 5 Curve for FXFQ63P7VEB in cooling mode.

FXFQ80P

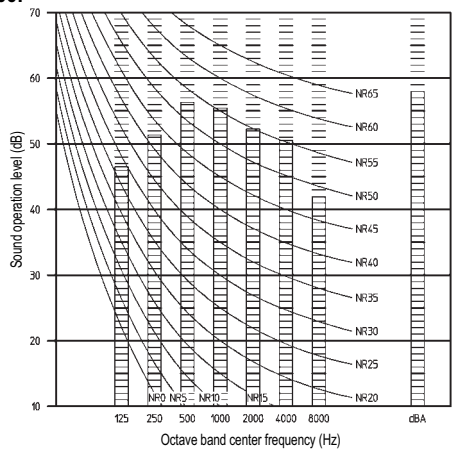


4TW28897-1

NOTES

- 1 Data is valid at free field condition.
- 2 Data is valid at nominal operation condition.
- 3 dBA = A-weighted sound operation level (A-scale according to IEC).
- 4 Reference acoustic intensity $0\text{dB} = 10\text{E-}6\mu\text{W/m}^2$
- 5 Curve for FXFQ80P7VEB in cooling mode.

FXFQ100P

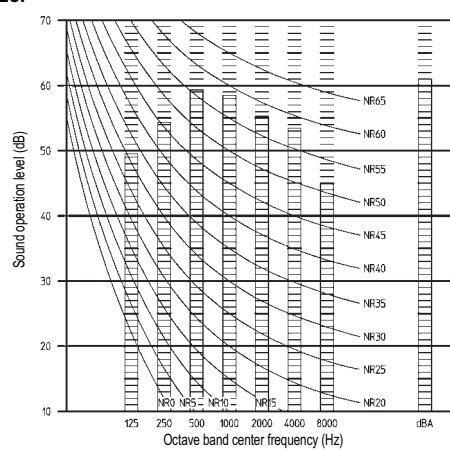


4TW28907-1

NOTES

- 1 Data is valid at free field condition.
- 2 Data is valid at nominal operation condition.
- 3 dBA = A-weighted sound operation level (A-scale according to IEC).
- 4 Reference acoustic intensity $0\text{dB} = 10\text{E-}6\mu\text{W/m}^2$
- 5 Curve for FXFQ100P7VEB in cooling mode.

FXFQ125P



4TW28917-1

NOTES

- 1 Data is valid at free field condition.
- 2 Data is valid at nominal operation condition.
- 3 dBA = A-weighted sound operation level (A-scale according to IEC).
- 4 Reference acoustic intensity $0\text{dB} = 10\text{E-}6\mu\text{W/m}^2$
- 5 Curve for FXFQ125P7VEB in cooling mode.

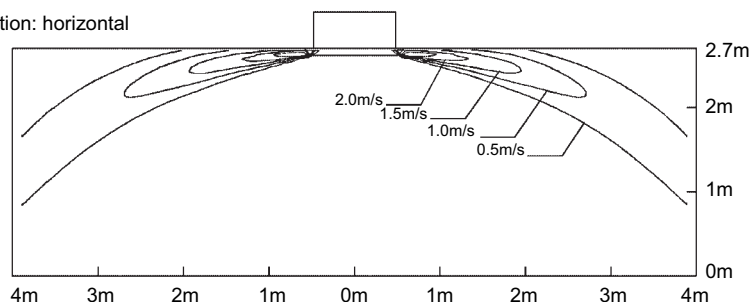
9 Air flow pattern

9

FXFQ20P

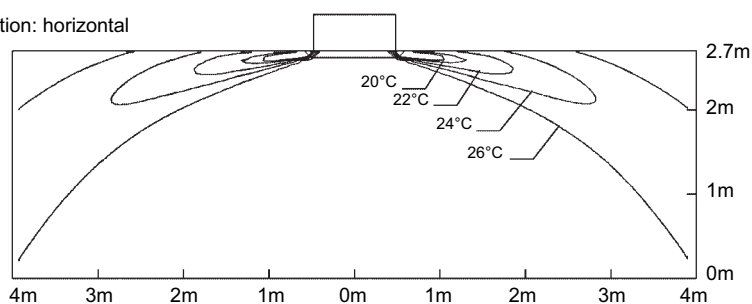
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal

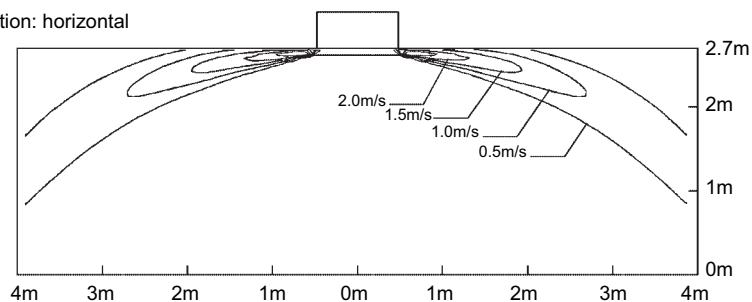


4D057221

FXFQ25P

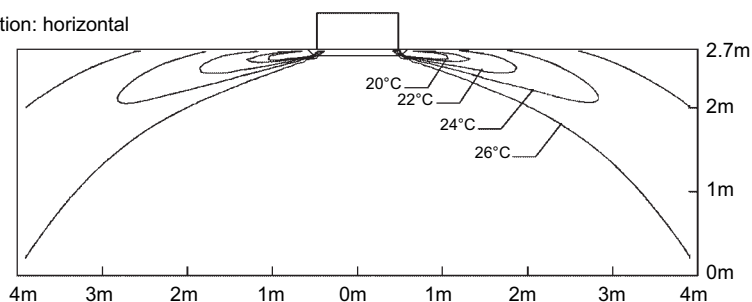
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal



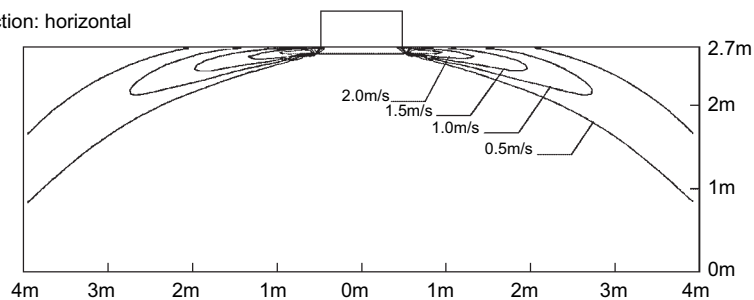
4D057223

9 Air flow pattern

FXFQ32P

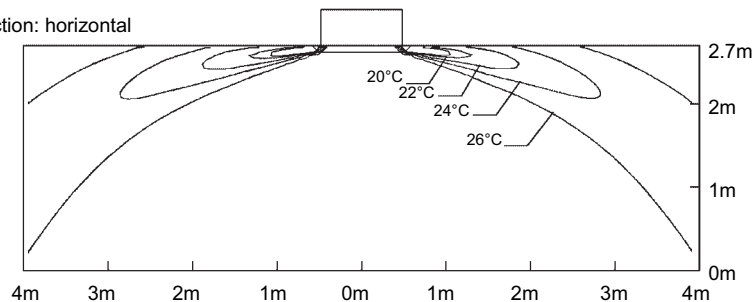
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal

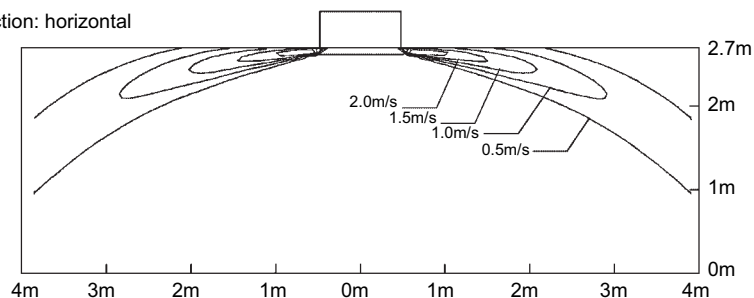


4D057225

FXFQ40P

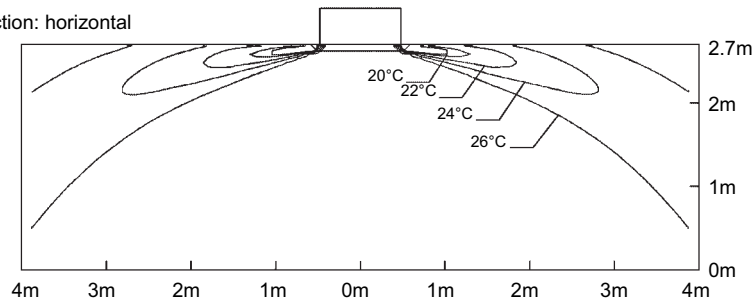
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal



4D057227

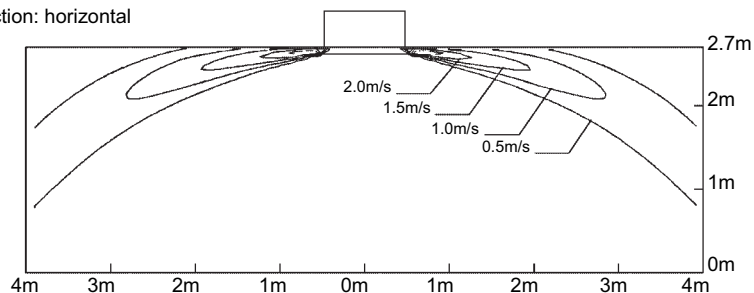
9 Air flow pattern

9

FXFQ50P

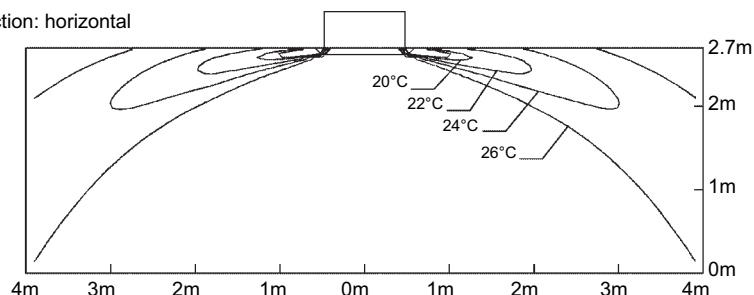
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal

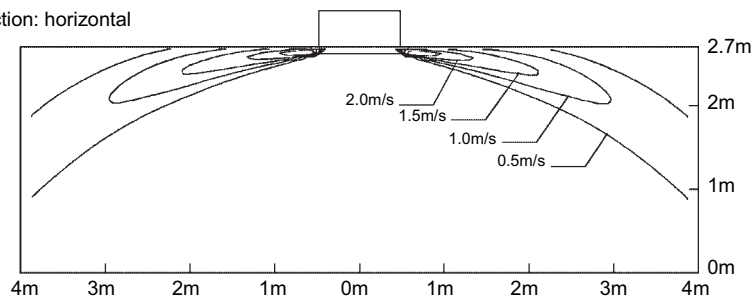


4D057229

FXFQ63P

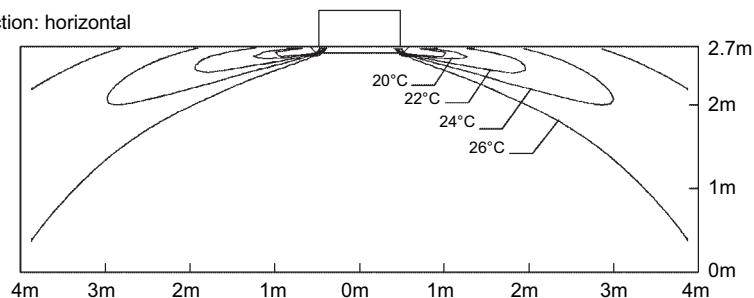
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal



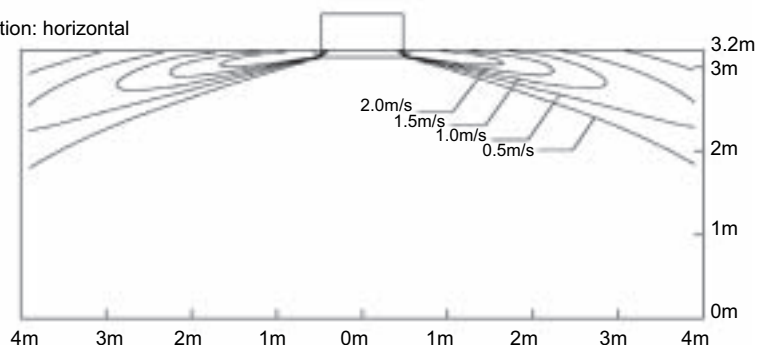
4D057231

9 Air flow pattern

FXFQ80P

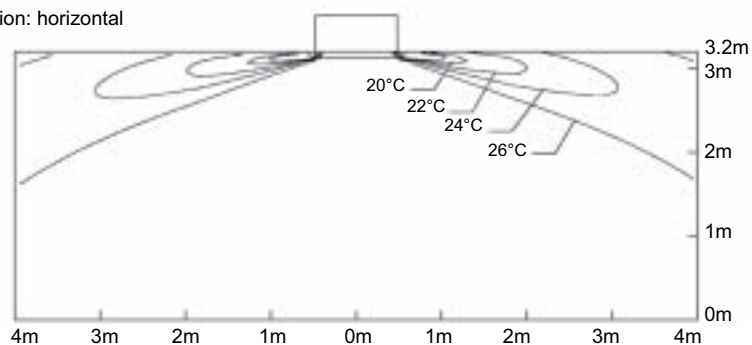
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal

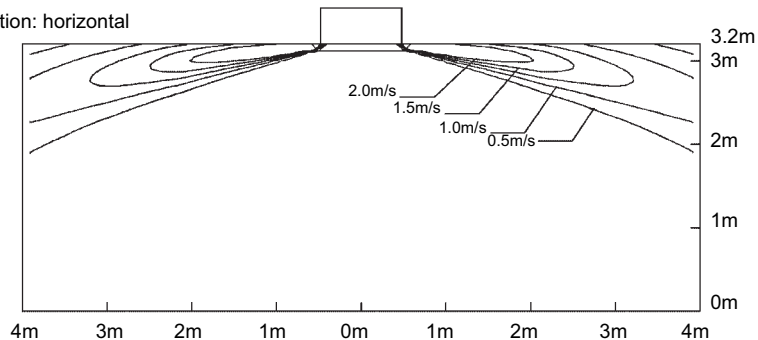


4D057233

FXFQ100P

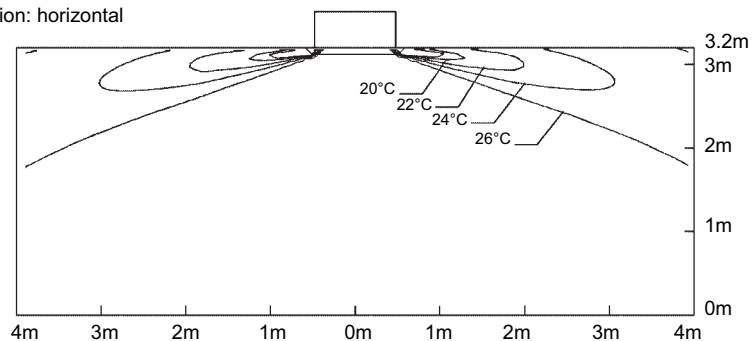
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal



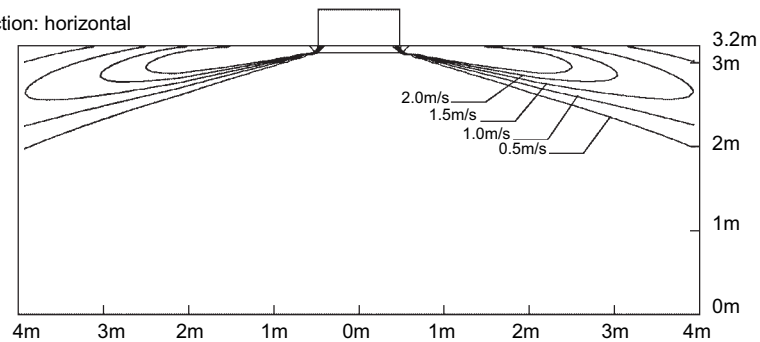
4D057235

9 Air flow pattern

FXFQ125P

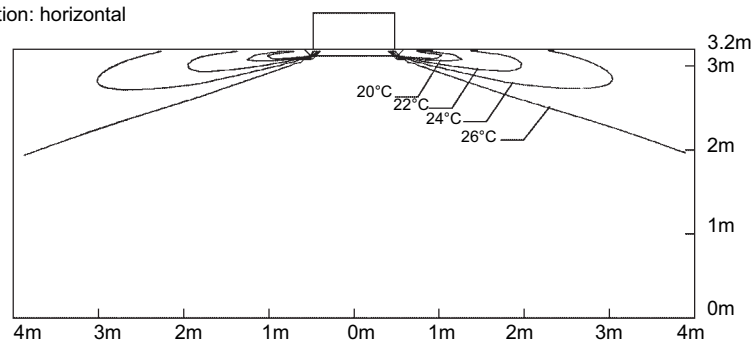
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal



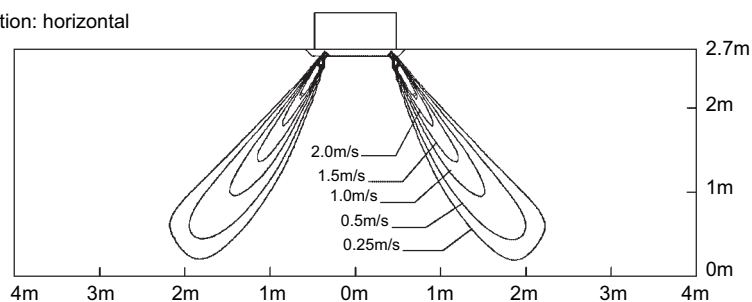
4D057237

9 Air flow pattern

FXFQ20P

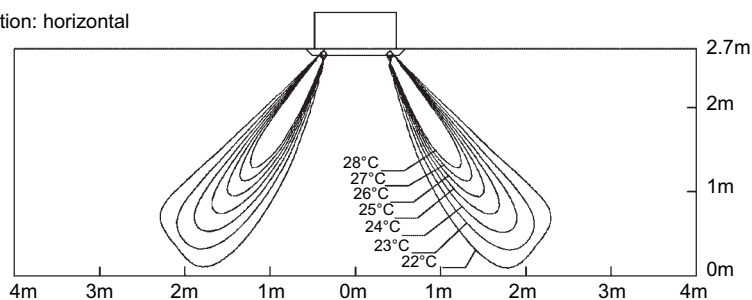
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal

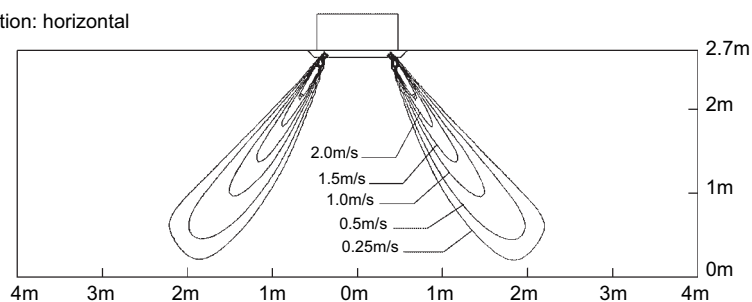


4D057220

FXFQ25P

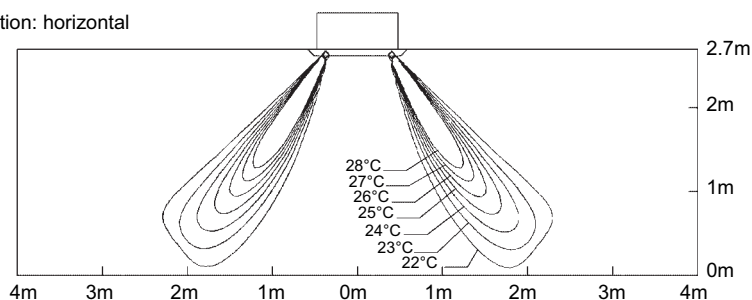
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal



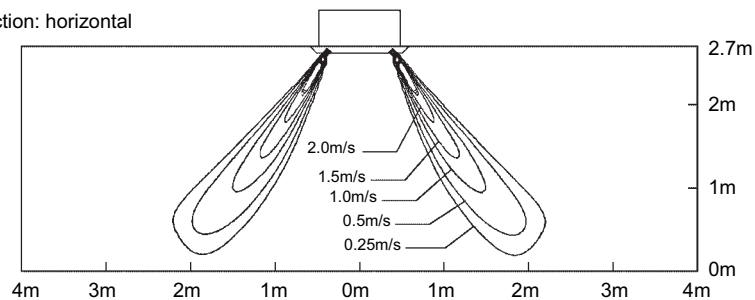
4D057222

9 Air flow pattern

FXFQ32P

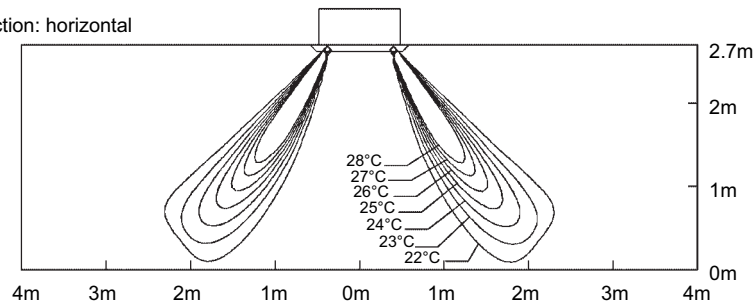
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal

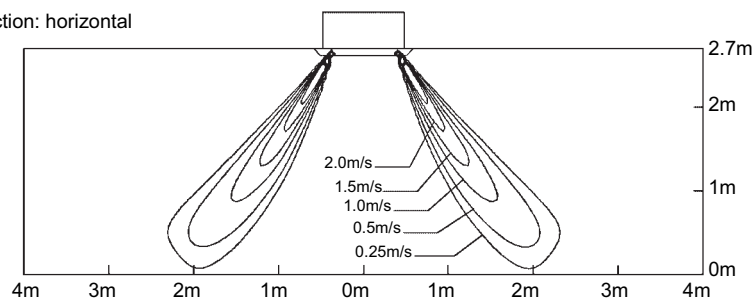


4D057224

FXFQ40P

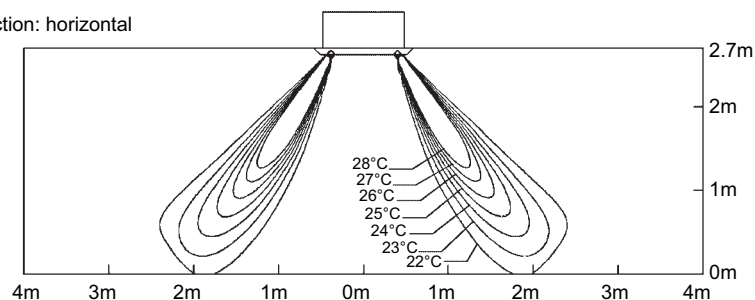
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal



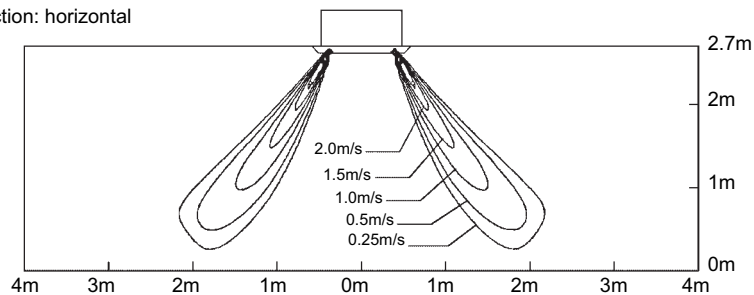
4D057226

9 Air flow pattern

FXFQ50P

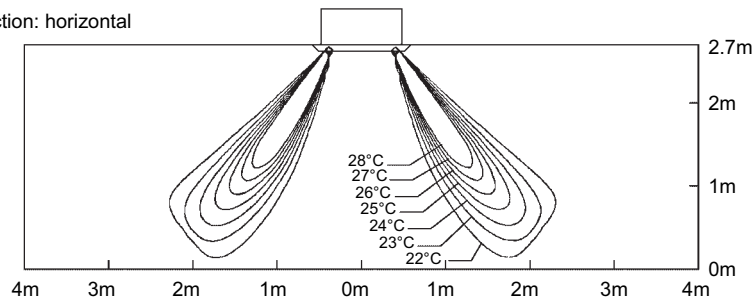
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal

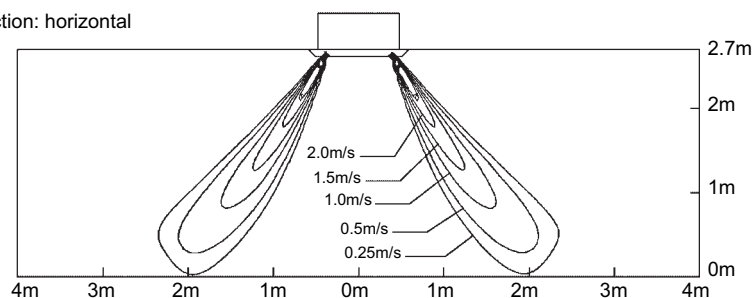


4D057228

FXFQ63P

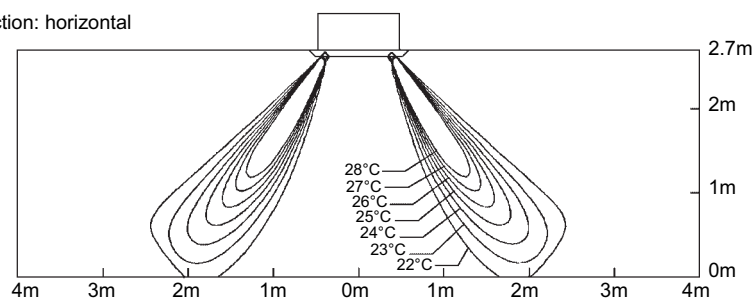
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal



4D057230

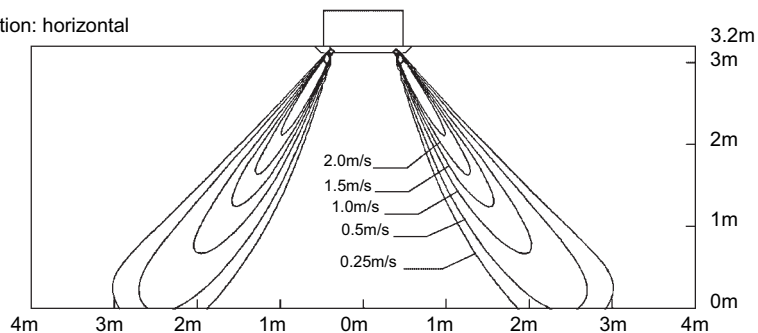
9 Air flow pattern

9

FXFQ80P

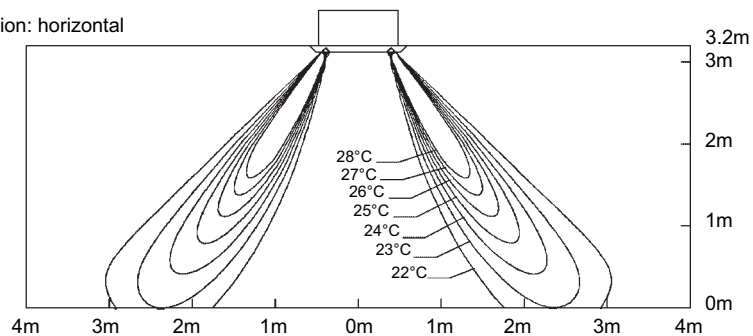
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal

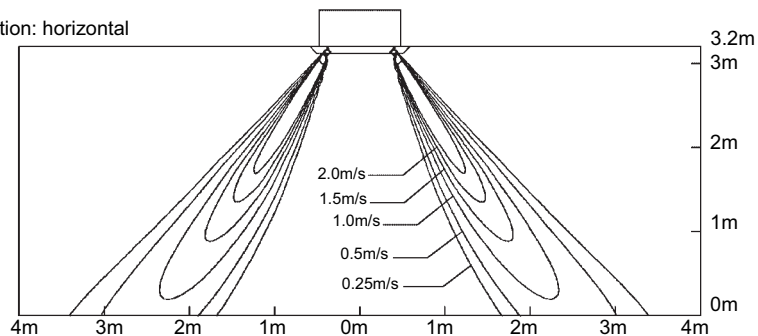


4D057232

FXFQ100P

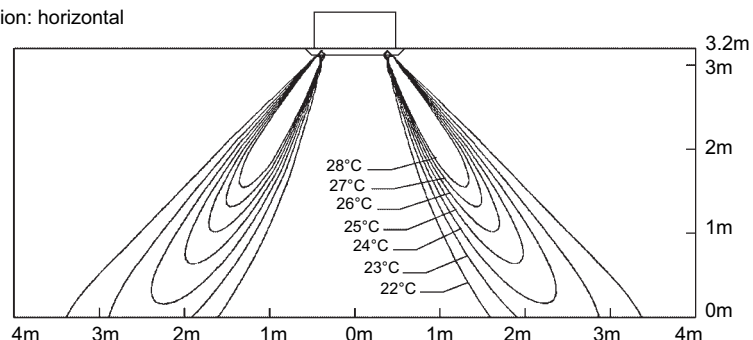
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air velocity distribution

All round air discharge, air flow direction: horizontal



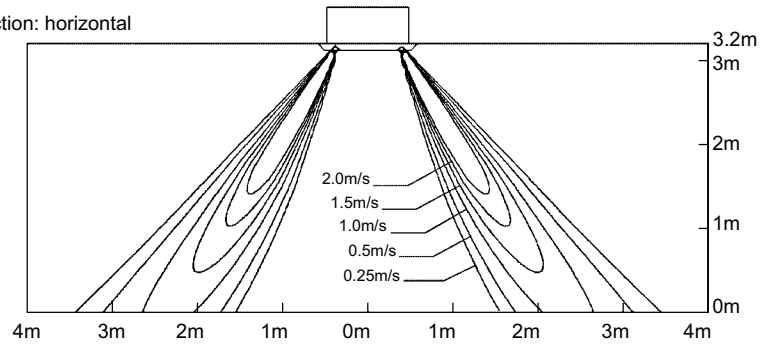
4D057234

9 Air flow pattern

FXFQ125P

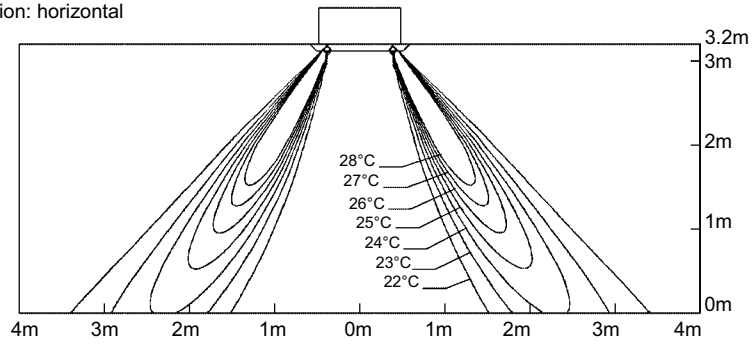
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air velocity distribution

All round air discharge, air flow direction: horizontal



4D057236

9 Air flow pattern

2

VRV III-S
VRV III
VRV VII



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



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



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



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

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