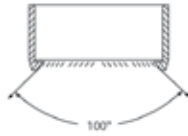


# Ceiling suspended unit

For wide rooms with no false ceilings nor free floor space

- › Ideal for comfortable air flow in wide rooms thanks to Coanda effect: up to 100° discharge angle
- › Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily without capacity loss
- › Can easily be mounted in corners and narrow spaces, as it only needs 30mm lateral service space



- › Reduced energy consumption thanks to specially developed DC fan motor and drain pump
- › Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating and there are no air intake grilles visible
- › No optional adapter needed for DIII-connection, link your unit into the wider building management system.
- › Drain pump kit available as accessory



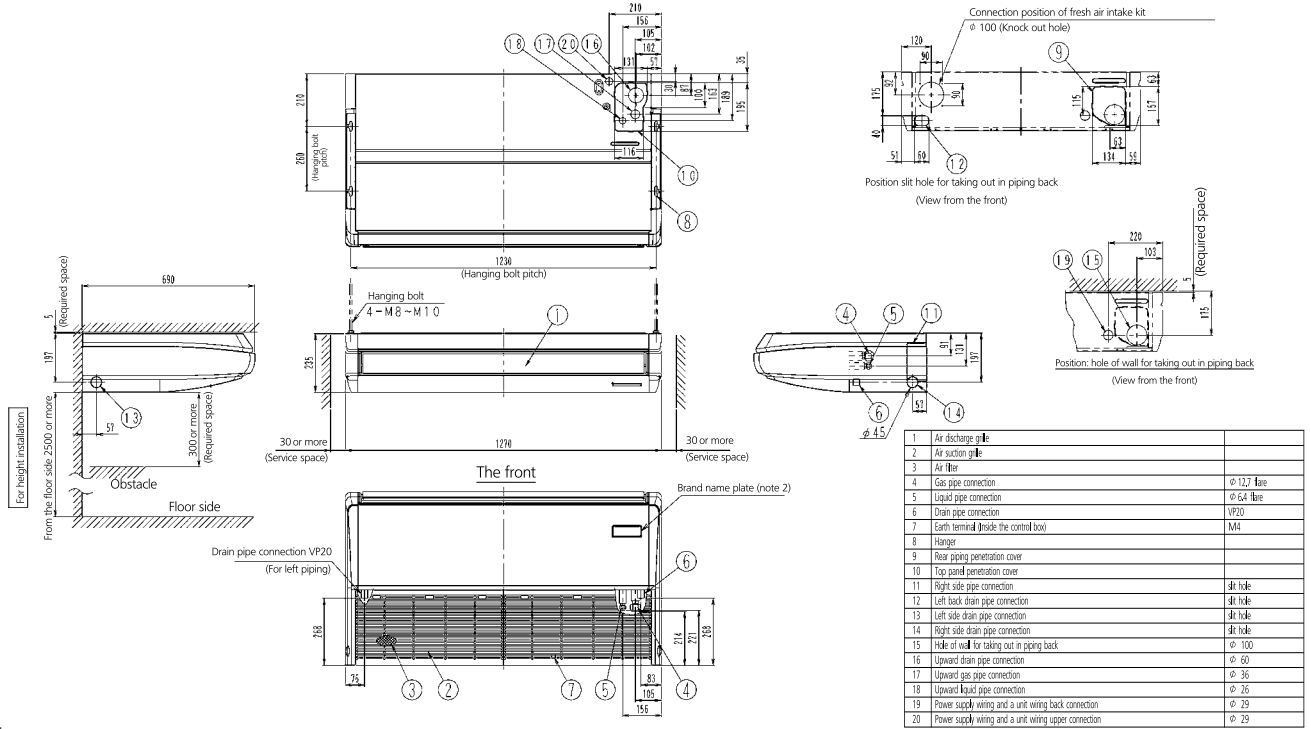
- › Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation device is required

Efficiency data		FHQ + RXS		35C + 35L3		50C + 50L		60C + 60L	
Cooling capacity	Min./Nom./Max.	kW		1.4/3.40/4.0		1.7/5.0/5.3		1.7/5.7/5.7	
Heating capacity	Min./Nom./Max.	kW		1.3/4.00/5.1		1.7/6.0/6.0		1.7/7.20/7.2	
Power input	Cooling	Min./Nom./Max.	kW	0.410/0.950/1.490		-/1.570/-		-/1.750/-	
	Heating	Min./Nom./Max.	kW	0.270/0.980/1.980		-/1.790/-		-/2.170/-	
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A++		A+			
		Pdesign	kW	3.40		5.00		5.70	
		SEER		6.18		5.87		6.02	
	Annual energy consumption	kWh	193		298		332		
	Heating (Average climate)	Energy label		A+		A			
		Pdesign	kW	3.10		4.35		4.71	
SCOP			4.43		3.86		3.87		
Annual energy consumption	kWh	981		1,578		1,705			
Nominal efficiency	EER		3.58		3.18		3.26		
	COP		4.08		3.35		3.32		
	Annual energy consumption	kWh	475		785		875		
	Energy label	Cooling/Heating	A/A		B/C		A/C		
Indoor unit		FHQ		35C		50C		60C	
Dimensions	Unit	HeightxWidthxDepth	mm	235x960x690				235x1,270x690	
Weight	Unit		kg	24		25		31	
Air filter	Type			Resin net with mold resistance					
Fan - Air flow rate	Cooling	High/Nom./Low	m³/min	14/11.5/10		15/12/10		19.5/15/11.5	
	Heating	High/Nom./Low	m³/min	14/11.5/10		15/12/10		19.5/15/11.5	
Sound power level	Cooling		dBA	53		54		54	
	Heating		dBA	53		54		54	
Sound pressure level	Cooling	High/Nom./Low	dBA	36/34/31		37/35/32		37/35/33	
	Heating	High/Nom./Low	dBA	36/34/31		37/35/32		37/35/33	
Control systems	Infrared remote control			BRC7G53					
	Wired remote control			BRC1D52 / BRC1E52A/B					
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50/60 / 220-240/220					
Outdoor unit		RXS		35L3		50L		60L	
Dimensions	Unit	HeightxWidthxDepth	mm	550x765x285		735x825x300			
Weight	Unit		kg	34		47		48	
Sound power level	Cooling		dBA	61		62		62	
	Heating		dBA	61		62		62	
Sound pressure level	Cooling	High/Low/Silent operation	dBA	48/-/44		48/44/-		49/46/-	
	Heating	High/Low/Silent operation	dBA	48/-/45		48/45/-		49/46/-	
Operation range	Cooling	Ambient	Min.-Max.	°CDB		-10~46			
	Heating	Ambient	Min.-Max.	°CWB		-15~18			
Refrigerant	Type/Charge	kg-TCO²Eq/GWP		R-410A/1.2/2.5/2,087.5		R-410A/1.7/3.5/2,087.5		R-410A/1.5/3.1/2,087.5	
Piping connections	Liquid	OD	mm	9.5		6.35		12.7	
	Gas	OD	mm	20		30		30	
	Piping length	OU - IU	Max.	m		10		10	
		System	Chargeless	m		10		10	
Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)					
Level difference	IU - OU	Max.	m	15		20.0		20.0	
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240		1~ / 50 / 220-230-240			
Current - 50Hz	Maximum fuse amps (MFA)		A	10		20		20	

(1) EER/COP according to Eurovent 2012, for use outside EU only (2) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.



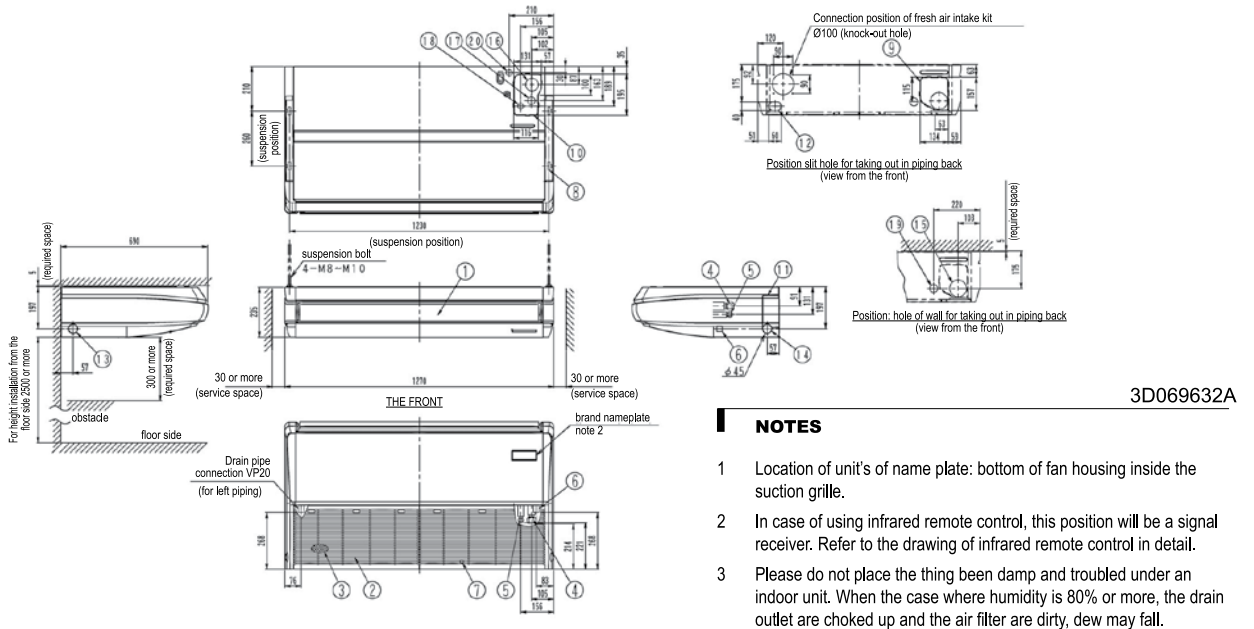
FHQ60C



- Note:
1. Location of unit's name plate: bottom of fan housing inside the suction grille.
  2. In case of using infrared remote controller, this position will be a signal receiver. Refer to the drawing of infrared remote controller in detail.
  3. Please do not place the thing been damp and troubled under an indoor unit. When the case where humidity is 80% or more, and the drain outlet are choked up and the air filter are dirty, dew may fall.

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NOTES

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Nr	Name	Description
1	Air discharge grille	
2	Air suction grille	
3	Air filter	
4	Gas pipe connection	Ø15.9 flare
5	Liquid pipe connection	Ø9.5 flare
6	Drain pipe connection	VP20
7	Earth terminal (inside electric components box)	M4
8	Hanger bracket	
9	Backward piping and wiring connection opening lid	
10	Upward piping and wiring connection opening lid	

11	Right side pipe connection	slit hole
12	Left back drain pipe connection	slit hole
13	Left side drain pipe connection	slit hole
14	Right side drain pipe connection	slit hole
15	Hole of wall for taking out in piping back	Ø100
16	Upward drain pipe connection	Ø60
17	Upward gas pipe connection	Ø36
18	Upward liquid pipe connection	Ø26
19	Power source wiring and a unit wiring back connection	Ø29
20	Power source wiring and a unit wiring upper connection	Ø29

