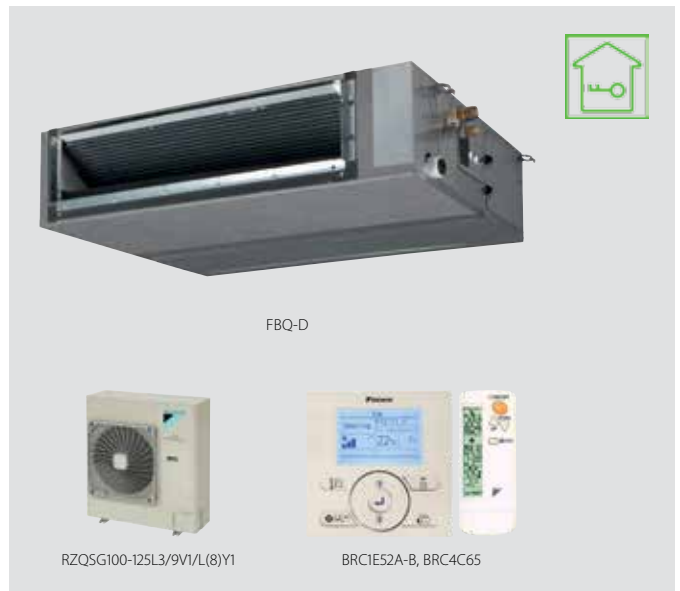


Concealed ceiling unit with medium ESP

Slimmest yet most powerful medium static pressure unit on the market

Combination with Seasonal Classic ensures good value for money for all types of commercial applications

- › Top efficiency in the market! Energy label up to A++
- › Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge
- › Lowest sound levels in the market: down to 25dBA!
- › Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- › Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- › Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- › Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation is required
- › Reduced energy consumption thanks to specially developed DC fan motor and drain pump
- › No optional adapter needed for DIII-connection, link your unit into the wider building management system.



FBQ-D



RZQSG100-125L3/9V1/L(8)Y1



BRC1E52A-B, BRC4C65

- › Flexible installation: air suction direction can be altered from rear to bottom suction and choice between free use or connection to optional suction grilles
- › Standard built-in drain pump with 625mm lift increases flexibility and installation speed



Efficiency data			FBQ + RZQSG	71D + 71L3V1	100D + 100L9V1	125D + 125L9V1	140D + 140L9V1	100D + 100L8Y1	125D + 125L8Y1	140D + 140LY1	
Cooling capacity	Nom.		kW	6.8	9.5	12.0	13.4	9.5	12.0	13.4	
Heating capacity	Nom.		kW	7.50	10.80	13.50	15.50	10.80	13.50	15.50	
Power input	Cooling	Nom.	kW	1.98	2.84	3.72	4.38	2.84	3.72	4.38	
	Heating	Nom.	kW	1.91	2.94	3.72	4.56	2.94	3.72	4.56	
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A+		A	-	A+	A	-	
		Pdesign	kW	6.80	9.50	12.00	-	9.50	12.00	-	
		SEER		5.84	5.61	5.47	-	5.61	5.47	-	
		Annual energy consumption	kWh	408	593	768	-	593	768	-	
	Heating (Average climate)	Energy label		A+		-	-	A+	-	-	
		Pdesign	kW	6.00	7.60		-	-	7.60	-	-
		SCOP		4.01	4.15	4.01	-	4.15	4.01	-	-
		Annual energy consumption	kWh	2,095	2,564	2,653	-	2,564	2,653	-	-
	Nominal efficiency	EER		3.43	3.35	3.23	3.06	3.35	3.23	3.06	
		COP		3.92	3.67	3.63	3.40	3.67	3.63	3.40	
Annual energy consumption		kWh	991	1,418	1,858	-	1,418	1,858	-	-	
Energy label		Cooling/Heating		A/A		-	-	A/A	-	-	
Indoor unit			FBQ	71D	100D	125D	140D	100D	125D	140D	
Dimensions	Unit	HeightxWidthxDepth	mm	245x1,000x800							245x1,400x800
Weight	Unit		kg	35	46						
Air filter	Type			Resin net with mold resistance							
Fan - Air flow rate	Cooling	High/Nom./Low	m³/min	18/15/12.5	29/26/23	34/29/23.5		29/26/23	34/29/23.5		
	Heating	High/Nom./Low	m³/min	18/15/12.5	29/26/23	34/29/23.5		29/26/23	34/29/23.5		
Fan - External static pressure	High/Nom.		Pa	150/30	150/40	150/50		150/40	150/50		
Sound power level	Cooling		dBA	56	58	62		58	62		
Sound pressure level	Cooling	High/Nom./Low	dBA	30/28/25	34/32/30	37/35/32		34/32/30	37/35/32		
	Heating	High/Nom./Low	dBA	31/28/25	36/33/30	38/35/32		36/33/30	38/35/32		
Control systems	Infrared remote control			BRC4C65							
	Wired remote control			BRC1E52A/B / BRC1D52							
Power supply	Phase / Frequency / Voltage		Hz / V	1 ~ / 50 / 220-240							
Outdoor unit			RZQSG	71L3V1	100L9V1	125L9V1	140L9V1	100L8Y1	125L8Y1	140LY1	
Dimensions	Unit	HeightxWidthxDepth	mm	770x900x320		990x940x320		1,430x940x320		1,430x940x320	
Weight	Unit		kg	67	72	74	95	82	101		
Sound power level	Cooling		dBA	65	70		69	70		69	
Sound pressure level	Cooling	Nom./Silent operation	dBA	49/47	53/-	54/-	53/-		54/-	53/-	
	Heating	Nom.	dBA	51	57	58	54	57	58	54	
Night quiet mode	Level 1		dBA	-	49						
	Cooling	Ambient Min.~Max.	°CDB	-15~46							
Operation range	Heating	Ambient Min.~Max.	°CWB	-15~-15.5							
	Type/Charge	kg-TCO²Eq/GWP		R-410A/2.75/5.7/2,087.5	R-410A/2.9/6.1/2,087.5		R-410A/4.0/8.4/2,087.5	R-410A/2.9/6.1/2,087.5		R-410A/4.0/8.4/2,087.5	
Piping connections	Liquid	OD	mm	9.52							
	Gas	OD	mm	15.9							
	Piping length	OU - IU	Max.	m	50						
		System	Equivalent	m	70						
		Chargeless	m	30							
	Additional refrigerant charge			See installation manual							
Level difference	IU - OU	Max.	m	15	30.0						
Power supply	Phase / Frequency / Voltage		Hz / V	1 ~ / 50 / 220-240							
Current - 50Hz	Maximum fuse amps (MFA)		A	20	32		16		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.

Combination with Seasonal Smart ensures best in class quality, highest efficiency and performance

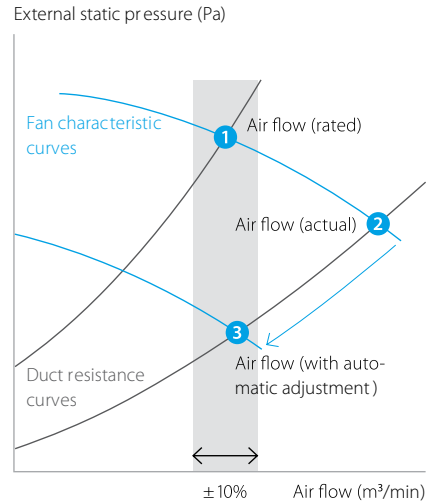
Optimised supply air volume

Automatically selects the most appropriate fan curve to achieve the units' nominal air flow within $\pm 10\%$

Why?

After installation the real ducting will frequently differ from the initially calculated air flow resistance → the real air flow may be much lower or higher than nominal, leading to a lack of capacity or uncomfortable air temperature

Automatic Airflow Adjustment function will adapt the unit's fan speed to any ducting automatically (10 or more fan curves are available on every model), making installation much faster



Efficiency data				FBQ + RZQG	71D + 71L9V1	100D + 100L9V1	125D + 125L9V1	140D + 140L9V1	71D + 71L8Y1	100D + 100L8Y1	125D + 125L8Y1	140D + 140LY1
Cooling capacity	Nom.			kW	6.8	9.5	12.0	13.4	6.8	9.5	12.0	13.4
Heating capacity	Nom.			kW	7.50	10.80	13.50	15.50	7.50	10.80	13.50	15.50
Power input	Cooling	Nom.		kW	1.89	2.49	3.63	4.00	1.89	2.49	3.63	4.00
	Heating	Nom.		kW	1.87	2.45	3.46	4.31	1.87	2.45	3.46	4.31
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A++	A+	A++	-	A++	A+	A++	-
		Pdesign		kW	6.80	9.50	12.00	-	6.80	9.50	12.00	-
		SEER			6.16	5.87	6.11	-	6.16	5.87	6.11	-
		Annual energy consumption		kWh	386	566	687	-	386	566	687	-
	Heating (Average climate)	Energy label			A+	A++	A+	-	A+	A++	A+	-
		Pdesign		kW	6.00	11.30	12.70	-	6.00	11.30	12.70	-
		SCOP			4.31	4.78	4.28	-	4.31	4.78	4.28	-
		Annual energy consumption		kWh	1,949	3,310	4,154	-	1,949	3,310	4,154	-
Nominal efficiency	EER				3.60	3.81	3.31	3.35	3.60	3.81	3.31	3.35
	COP				4.01	4.41	3.90	3.60	4.01	4.41	3.90	3.60
	Annual energy consumption			kWh	944	1,247	1,813	-	944	1,247	1,813	-
	Energy label	Cooling/Heating			A/A			-	A/A	A/A		-
Indoor unit				FBQ	71D	100D	125D	140D	71D	100D	125D	140D
Dimensions	Unit	HeightxWidthxDepth	mm	245x1,000x800	245x1,400x800			245x1,000x800	245x1,400x800			
Weight	Unit		kg	35	46			35	46			
Air filter	Type			Resin net with mold resistance								
Fan - Air flow rate	Cooling	High/Nom./Low	m³/min	18/15/12.5	29/26/23	34/29/23.5		18/15/12.5	29/26/23	34/29/23.5		
	Heating	High/Nom./Low	m³/min	18/15/12.5	29/26/23	34/29/23.5		18/15/12.5	29/26/23	34/29/23.5		
Fan - External static pressure	High/Nom.			Pa	150/30	150/40	150/50		150/30	150/40	150/50	
Sound power level	Cooling			dBA	56	58	62		56	58	62	
Sound pressure level	Cooling	High/Nom./Low	dBA	30/28/25	34/32/30	37/35/32		30/28/25	34/32/30	37/35/32		
	Heating	High/Nom./Low	dBA	31/28/25	36/33/30	38/35/32		31/28/25	36/33/30	38/35/32		
Control systems	Infrared remote control			BRC4C65								
	Wired remote control			BRC1E52A/B / BRC1D528								
Power supply	Phase / Frequency / Voltage			Hz / V	1 ~ / 50 / 220-240							
Outdoor unit				RZQG	71L9V1	100L9V1	125L9V1	140L9V1	71L8Y1	100L8Y1	125L8Y1	140LY1
Dimensions	Unit	HeightxWidthxDepth	mm	990x940x320	1,430x940x320			990x940x320	1,430x940x320			
Weight	Unit		kg	69	95			80	101			
Sound power level	Cooling			dBA	64	66	67	69	64	66	67	69
Sound pressure level	Cooling	Nom.	dBA	48	50	51	52	48	50	51	52	
	Heating	Nom.	dBA	50	52	53		50	52	53		
	Night quiet mode	Level 1	dBA	43	45			43	45			
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~50							
	Heating	Ambient	Min.~Max.	°CWB	-20~-15.5							
Refrigerant	Type/Charge	kg-TCO²Eq/GWP		R-410A/2.9/6.1/2,087.5	R-410A/4.0/8.4/2,087.5			R-410A/2.9/6.1/2,087.5	R-410A/4.0/8.4/2,087.5			
Piping connections	Liquid	OD	mm	9.52								
	Gas	OD	mm	15.9								
	Piping length	OU - IU	Max.	m	50	75			50	75		
		System	Equivalent	m	70	90			70	90		
			Chargeless	m	30							
	Additional refrigerant charge			kg/m	See installation manual							
Level difference	IU - OU	Max.	m	30.0								
Power supply	Phase / Frequency / Voltage			Hz / V	1 ~ / 50 / 220-240				3N~ / 50 / 380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32			20	32		

(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.

Concealed ceiling unit with medium ESP

Slimmest yet most powerful medium static pressure unit on the market

Combination with split outdoor units is ideal for small retail, offices or residential applications

- › Top efficiency in the market! Energy label up to A++
- › Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge
- › Lowest sound levels in the market: down to 25dBA!
- › Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- › Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- › Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- › Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation is required
- › Reduced energy consumption thanks to specially developed DC fan motor and drain pump
- › No optional adapter needed for DIII-connection, link your unit into the wider building management system.
- › Flexible installation: air suction direction can be altered from rear to bottom suction and choice between free use or connection to optional suction grilles

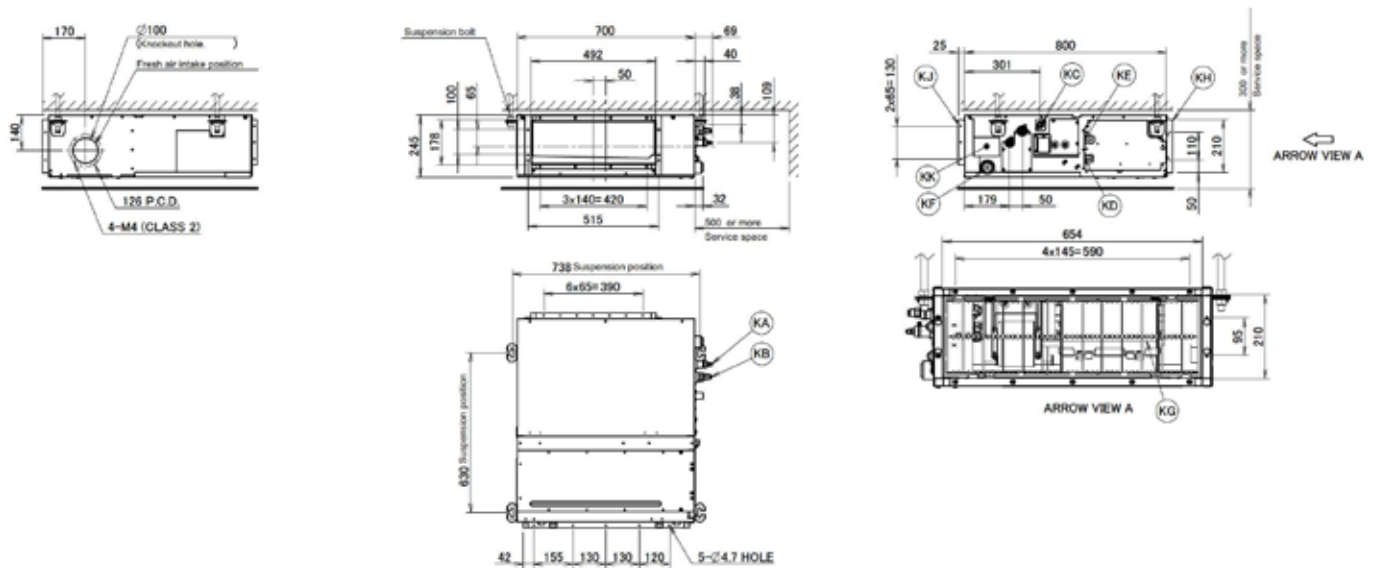


- › Standard built-in drain pump with 625mm lift increases flexibility and installation speed



Efficiency data				FBQ + RXS	35D + 35L3	50D + 50L	60D + 60L
Cooling capacity	Nom.			kW	3.4	5.0	5.7
Heating capacity	Nom.			kW	4.00	5.50	7.00
Power input	Cooling	Nom.		kW	0.85	1.42	1.65
	Heating	Nom.		kW	1.00	1.44	1.89
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A++		A+
		Pdesign		kW	3.40	5.00	5.70
		SEER			6.17	6.21	5.86
		Annual energy consumption		kWh	193	282	340
	Heating (Average climate)	Energy label				A+	
		Pdesign		kW	2.90	4.40	4.60
		SCOP			4.07	4.06	4.01
		Annual energy consumption		kWh	998	1,517	1,606
Nominal efficiency	EER				3.99	3.52	3.45
	COP				4.02	3.83	3.71
	Annual energy consumption			kWh	426	710	826
	Energy label	Cooling/Heating				A/A	
Indoor unit				FBQ	35D	50D	60D
Dimensions	Unit	HeightxWidthxDepth		mm	245x700x800		245x1,000x800
Weight	Unit			kg	28		35
Air filter	Type				Resin net with mold resistance		
Fan - Air flow rate	Cooling	High/Nom./Low		m ³ /min	15/12.5/10.5		18/15/12.5
	Heating	High/Nom./Low		m ³ /min	15/12.5/10.5		18/15/12.5
Fan - External static pressure	High/Nom.			Pa	150/30		
Sound power level	Cooling			dBA	60		56
Sound pressure level	Cooling	High/Nom./Low		dBA	35/32/29		30/28/25
	Heating	High/Nom./Low		dBA	37/34/29		31/28/25
Control systems	Infrared remote control				BRC4C65		
	Wired remote control				BRC1E52A/B / BRC1D52		
Power supply	Phase / Frequency / Voltage			Hz / V	1 ~ / 50 / 220-240		
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	
	Heating			dBA	61	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-TCO ² Eq/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	6.35		
	Gas	OD		mm	9.5	12.7	
	Piping length	OU - IU	Max.	m	20	30	
		System	Chargeless	m	10		
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)		
	Level difference	IU - OU	Max.	m	15	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	16	20	

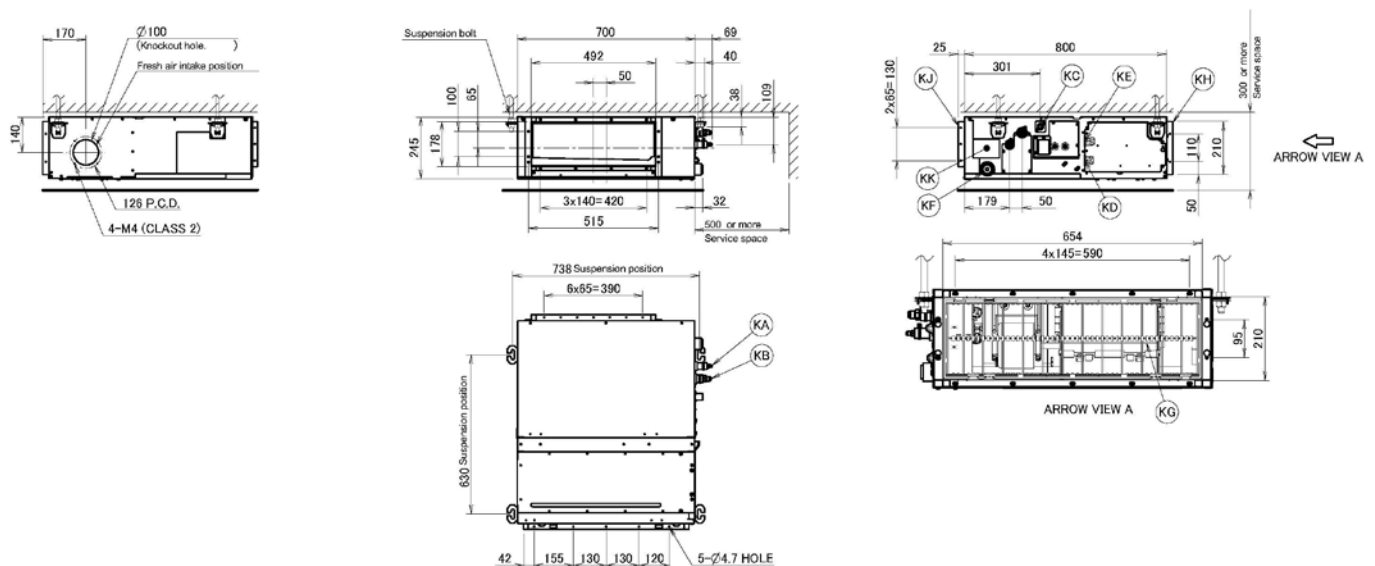
(1) EER/COP according to Eurovent 2012, for use outside EU only (2) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

FBQ35D

Item	Name	Description
KA	Liquid pipe connection port	Ø6.35 flared connection
KB	Gas pipe connection port	Ø9.52 flared connection
KD	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KE	Wiring connection	/
KF	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.

3D094988A

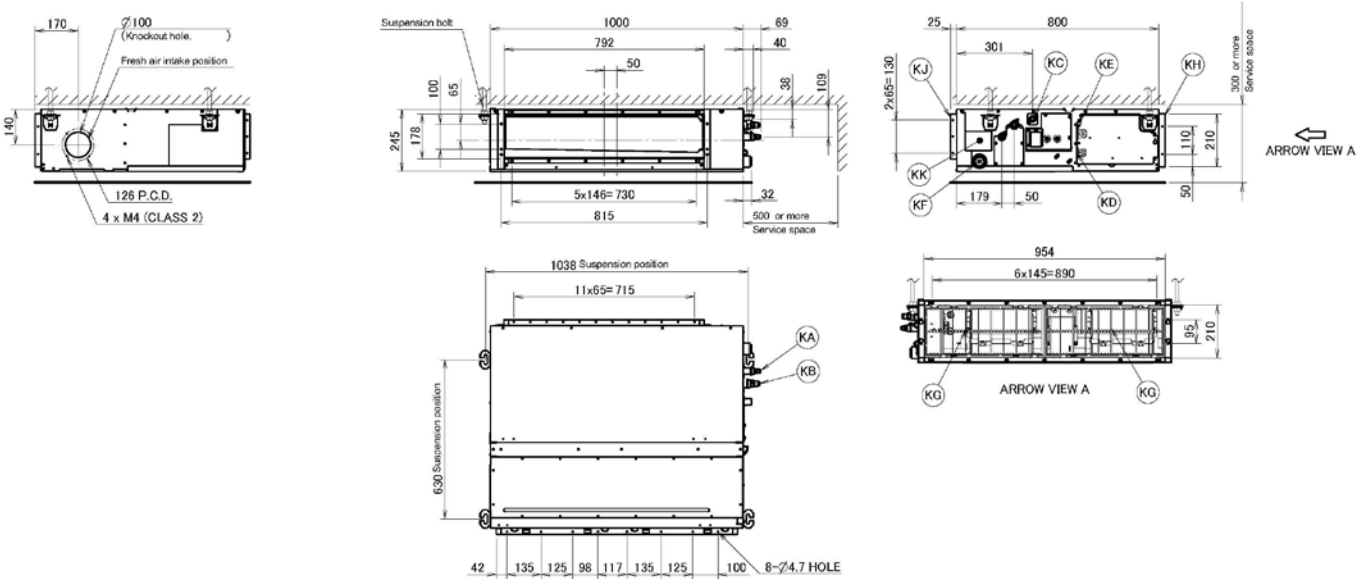
FBQ50D

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.

3D094918A

FBQ60D

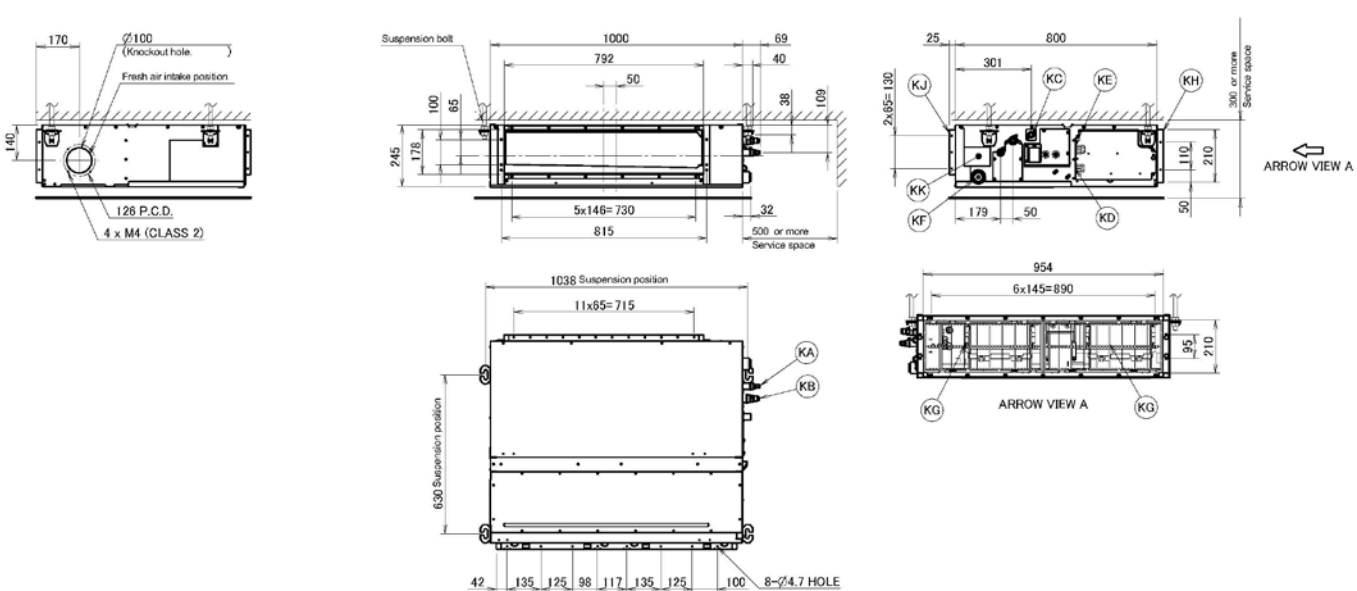


Item	Name	Description
KA	Liquid pipe connection port	Ø6.35 flared connection
KB	Gas pipe connection port	Ø12.70 flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD Ø26, ID Ø20)
KG	Air filter	/
KH	Air suction side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

3D094983A

FBQ71D

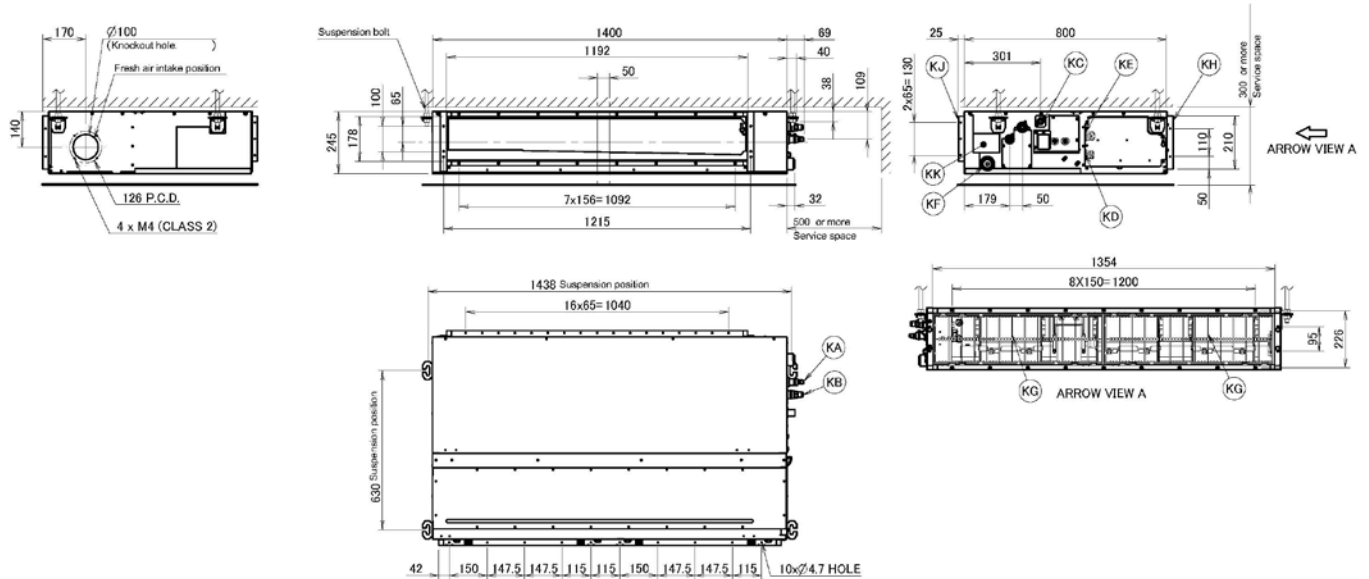


Item	Name	Description
KA	Liquid pipe connection port	Ø9.52 flared connection
KB	Gas pipe connection port	Ø15.90 flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD Ø26, ID Ø20)
KG	Air filter	/
KH	Air suction side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

3D094915A

FBQ100-140D



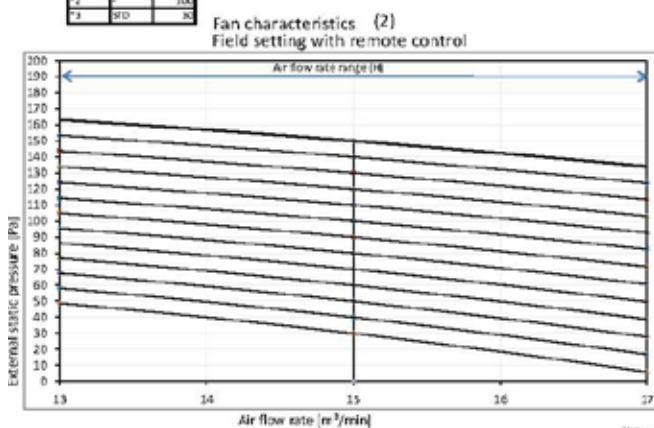
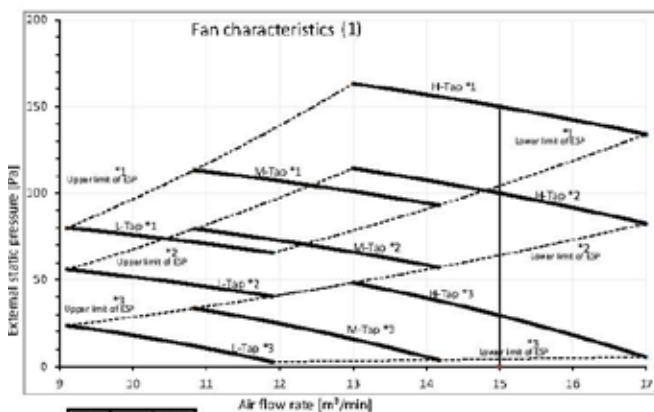
Item	Name	Description
KA	Liquid pipe connection port	Ø9.52 flared connection
KB	Gas pipe connection port	Ø15.90 flared connection
KC	Drain pipe connection	VP20 (ØD Ø25, 10 Ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (ØD Ø25, 10 Ø20)
KG	Air filter	/
KH	Air suction side	/
KJ	Air discharge side	/
KK	Nameplate	/

Notes

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

3D094914A

FBQ35-50D

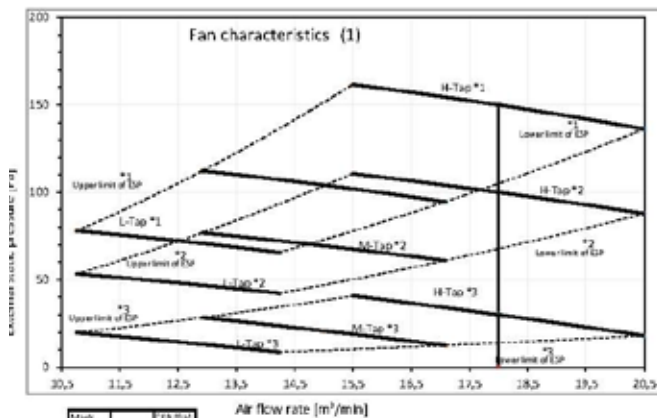


Notes

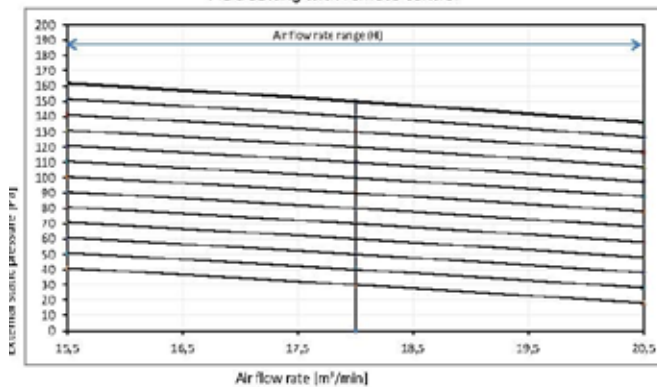
- The fan characteristics shown are in "fan only" mode.
- ESP: External Static Pressure.

3D095521A

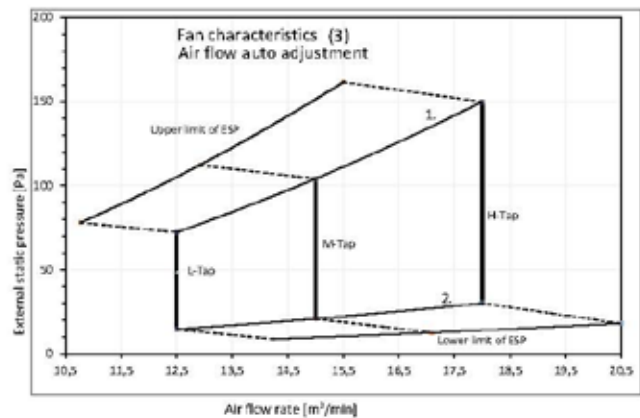
FBQ60-71D



Fan characteristics (2)
Field setting with remote control



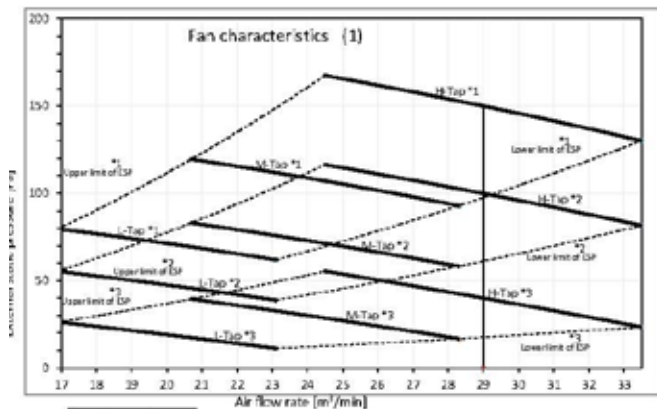
Notes
1. The fan characteristics shown are in "Fan only" mode.
2. ESP: External Static Pressure



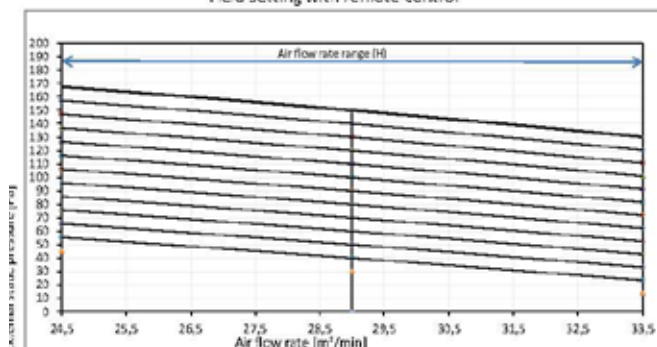
1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

3D095524A

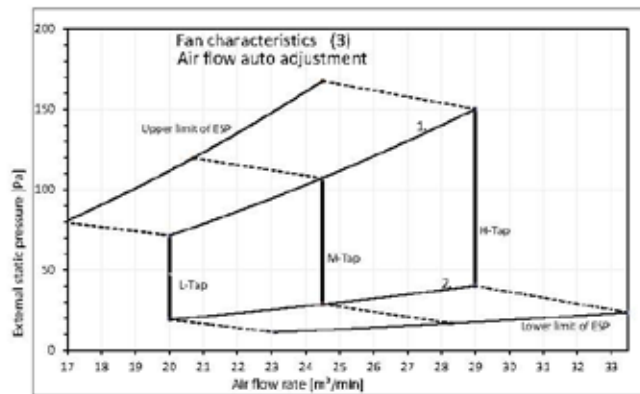
FBQ100D



Fan characteristics (2)
Field setting with remote control



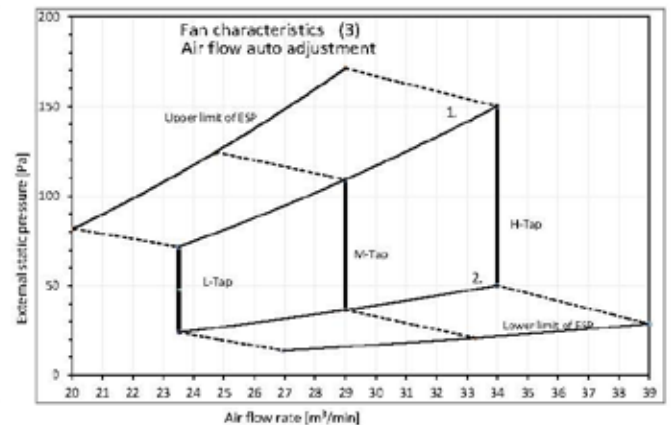
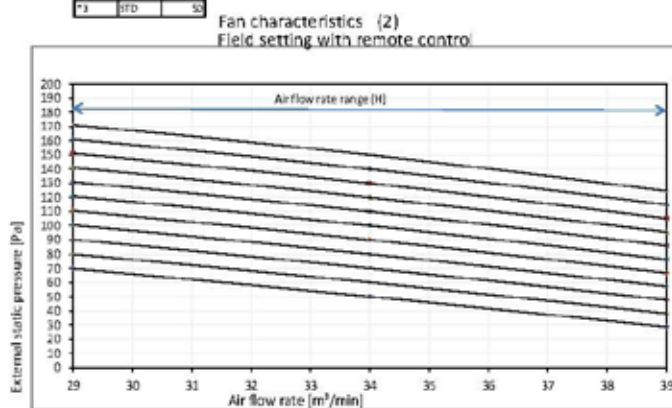
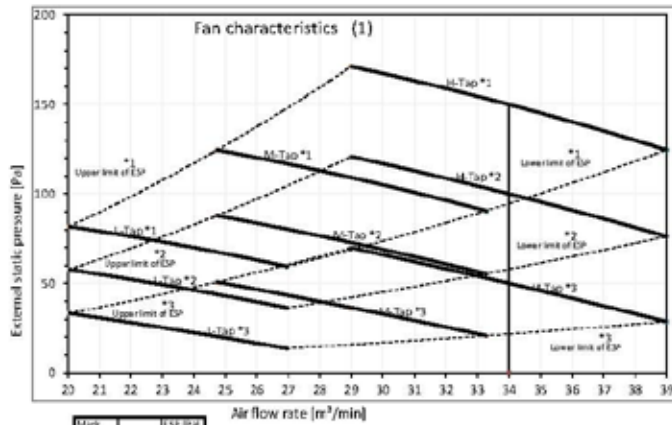
Notes
1. The fan characteristics shown are in "Fan only" mode.
2. ESP: External Static Pressure



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

3D095526A

FBQ125-140D



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

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

3D095527A