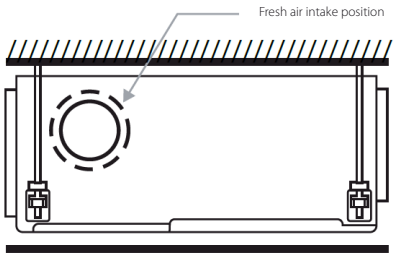
Concealed ceiling unit with high ESP

Ideal for large sized spaces

FXMQ-P7: ESP up to 200 Pa

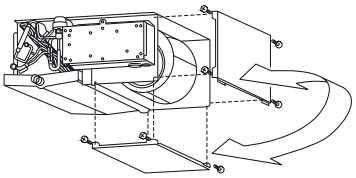
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- High external static pressure up to 200Pa facilitates extensive duct and grille network
- Discretely concealed in the wall: only the suction and discharge grilles are visible
- Reduced energy consumption thanks to specially developed DC fan motor
- Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation device is required

Fresh air intake opening in casing

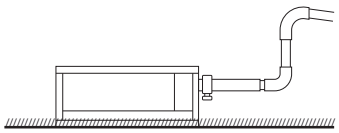


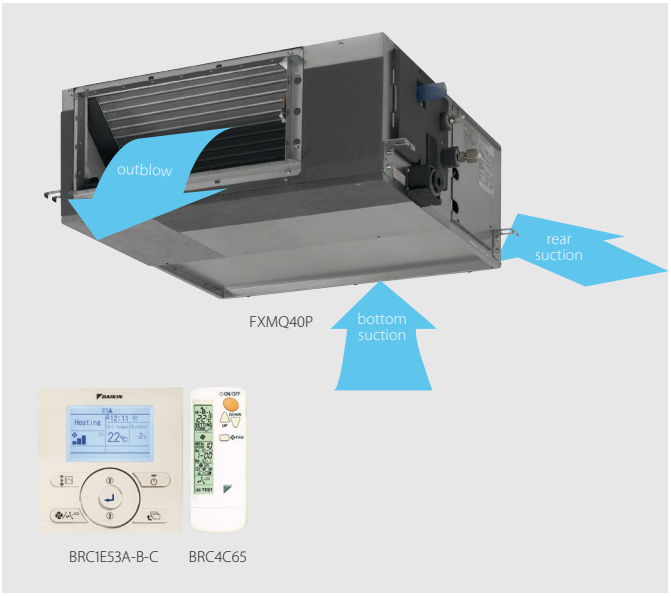
* Brings in up to 10% of fresh air into the room

- Flexible installation, as the air suction direction can be altered from rear to bottom suction



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





USP: FXMQ-MB: ESP up to 270

- High external static pressure up to 270Pa facilitates extensive duct and grille network
- Discretely concealed in the wall: only the suction and discharge grilles are visible
- Large capacity unit: up to 31.5 kW heating capacity
- Reduced energy consumption thanks to specially developed DC fan motor

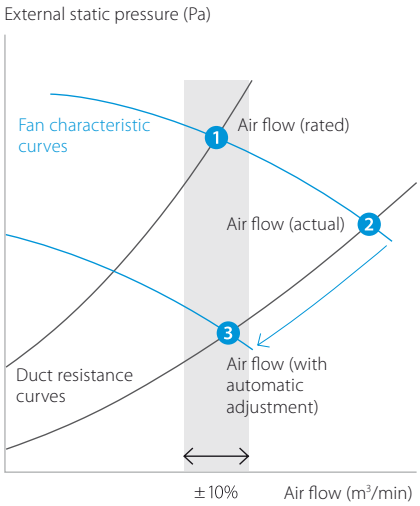
Automatic Airflow Adjustment function

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

Why?

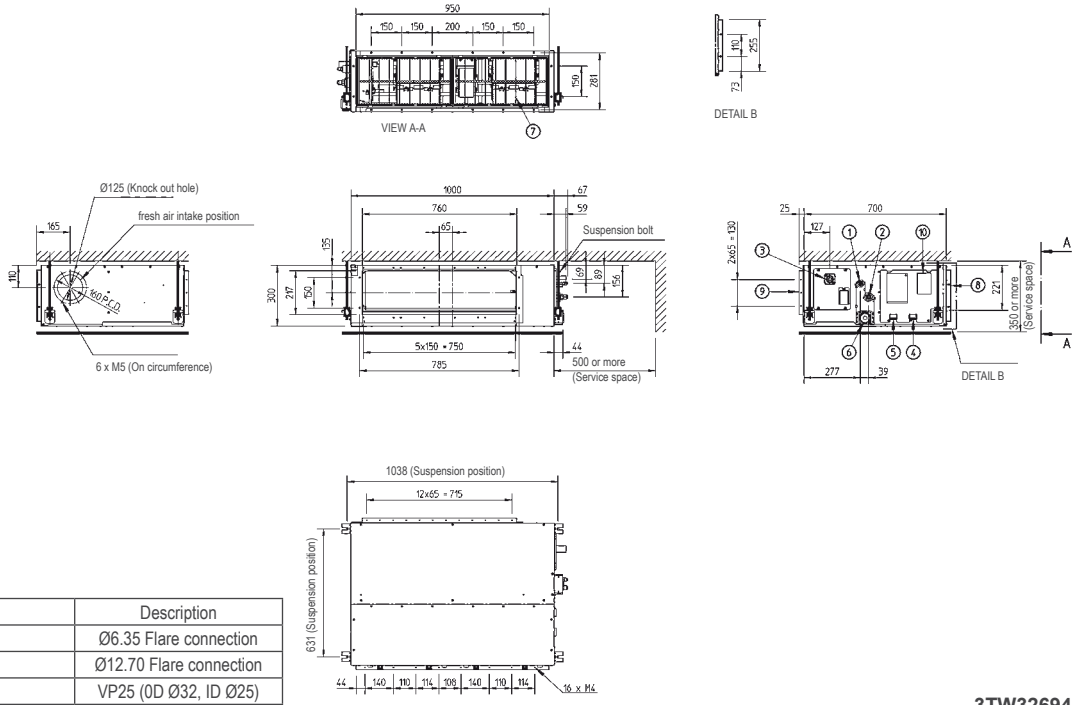
After installation the real ducting will frequently differ from the initially calculated air flow resistance → the real air flow may be much lower or higher than nominal , leading to a lack of capacity or uncomfortable air temperature

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



Indoor unit			FXMQ-P7/FXMQ-MB	50P7	63P7	80P7	100P7	125P7	200MB	250MB
Cooling capacity	Nom.		kW	5.6	7.1	9.0	11.2	14.0	22.4	28.0
Heating capacity	Nom.		kW	6.3	8.0	10.0	12.5	16.0	25.0	31.5
Power input - 50Hz	Cooling	Nom.	kW	0.110	0.120	0.171	0.176	0.241	0.895	1.185
	Heating	Nom.	kW	0.098	0.108	0.159	0.164	0.229	0.895	1.185
Required ceiling void >			mm	350					-	
Dimensions	Unit	Height	mm	300					470	
		Width	mm	1,000			1,400		1,380	
		Depth	mm	700					1,100	
Weight	Unit		kg	35			46		132	
Casing	Colour			Unpainted					-	
	Material			Galvanised steel plate						
Decoration panel	Model			BYBS71DJW1			BYBS125DJW1		-	
	Colour			White (10Y9/0.5)					-	
	Dimensions	HeightxWidthxDepth	mm	55x1,100x500			55x1,500x500		-x-x-	
	Weight		kg	4.5			6.5		-	
Fan-Air flow rate - 50Hz	Cooling	High/Nom./Low	m³/min	18/16.5/15	19.5/17.8/16	25/22.5/20	32/27.5/23	39/33.5/28	58/54.0/50	72/67.0/62
	Heating	High/Nom./Low	m³/min	18/16.5/15	19.5/17.8/16	25/22.5/20	32/27.5/23	39/33.5/28	-/-/-	
Fan-External static pressure - 50Hz	High/Nom.		Pa	200/100					270/160	270/170
Air filter	Type			Resin net with mold resistance					-	
Sound power level	Cooling	High/Nom.	dBA	61/-	64/-	67/-	65/-	70/-	-/-	
Sound pressure level	Cooling	High/Nom./Low	dBA	41/39/37	42/40/38	43/41/39		44/42/40	48/-/45	
	Heating	High/Nom./Low	dBA	41/39/37	42/40/38	43/41/39		44/42/40	-/-/-	
Refrigerant	Type			R-410A						
	GWP			2,087.5						
Piping connections	Liquid	OD	mm	6.35	9.52					
	Gas	OD	mm	12.7	15.9				19.1	22.2
	Drain			VP25 (I.D. 25/O.D. 32)					PS1B	
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/60/220-240/220					1~/50/220-240	
Current - 50Hz	Maximum fuse amps (MFA)		A	16						
Control systems	Infrared remote control			BRC4C65						
	Wired remote control			BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52						
	Simplified wired remote control for hotel applications			BRC2E52C (heat recovery type) / BRC3E52C (heat pump type)						

FXMQ50P7



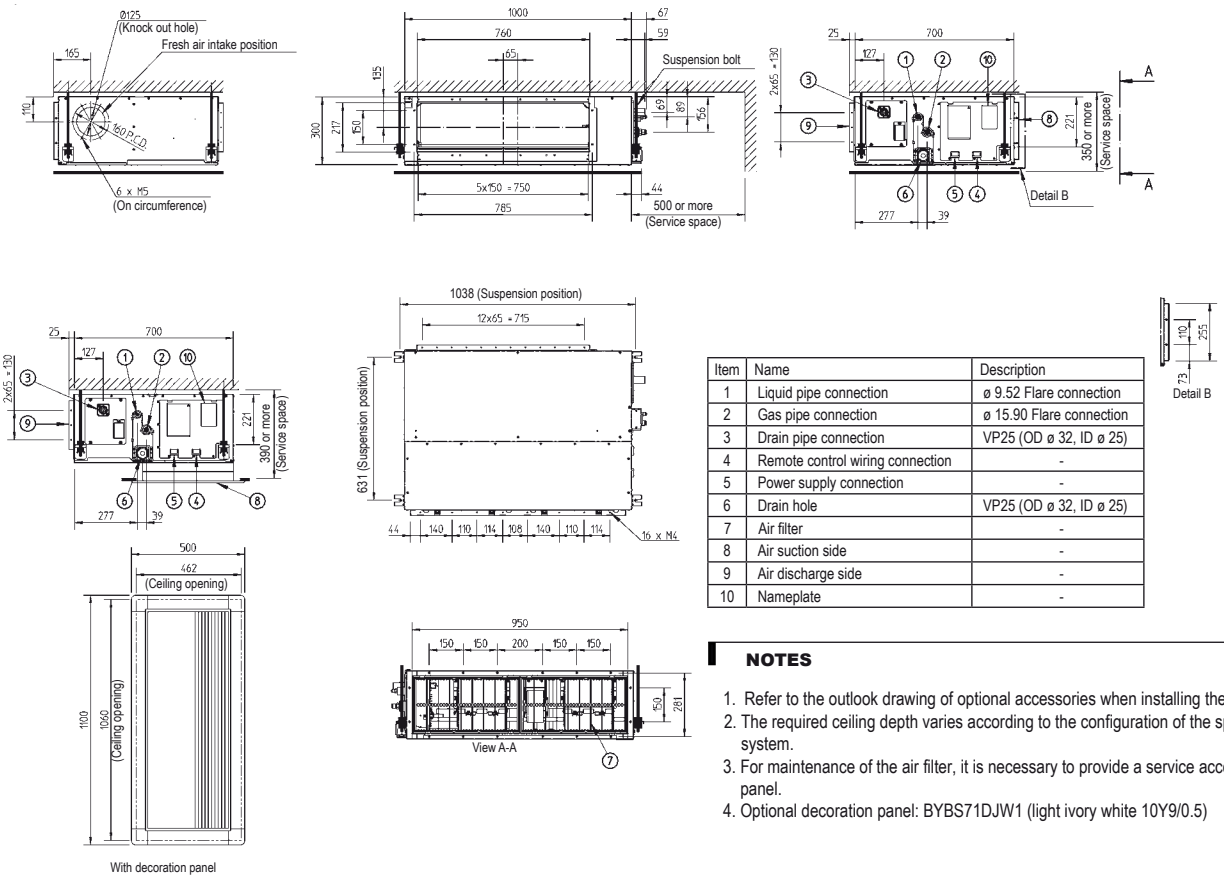
Item	Name	Description
1	Liquid pipe connection	Ø6.35 Flare connection
2	Gas pipe connection	Ø12.70 Flare connection
3	Drain pipe connection	VP25 (0D Ø32, ID Ø25)
4	Remote control wiring connection	-
5	Power supply connection	-
6	Drain hole	VP20 (0D Ø32, ID Ø25)
7	Air filter	-
8	Air suction side	-
9	Air discharge side	-
10	Nameplate	-

3TW32694-1

NOTES

1 Refer to 'outlook drawing for installing optional accessories' when installing optional accessories.
2 The required ceiling depth varies according to the configuration of the specific system.
3 For maintenance of the air filter, it is necessary to provide a service access panel.
Refer to the 'filter installation method' drawing.

FXMQ63-80P7



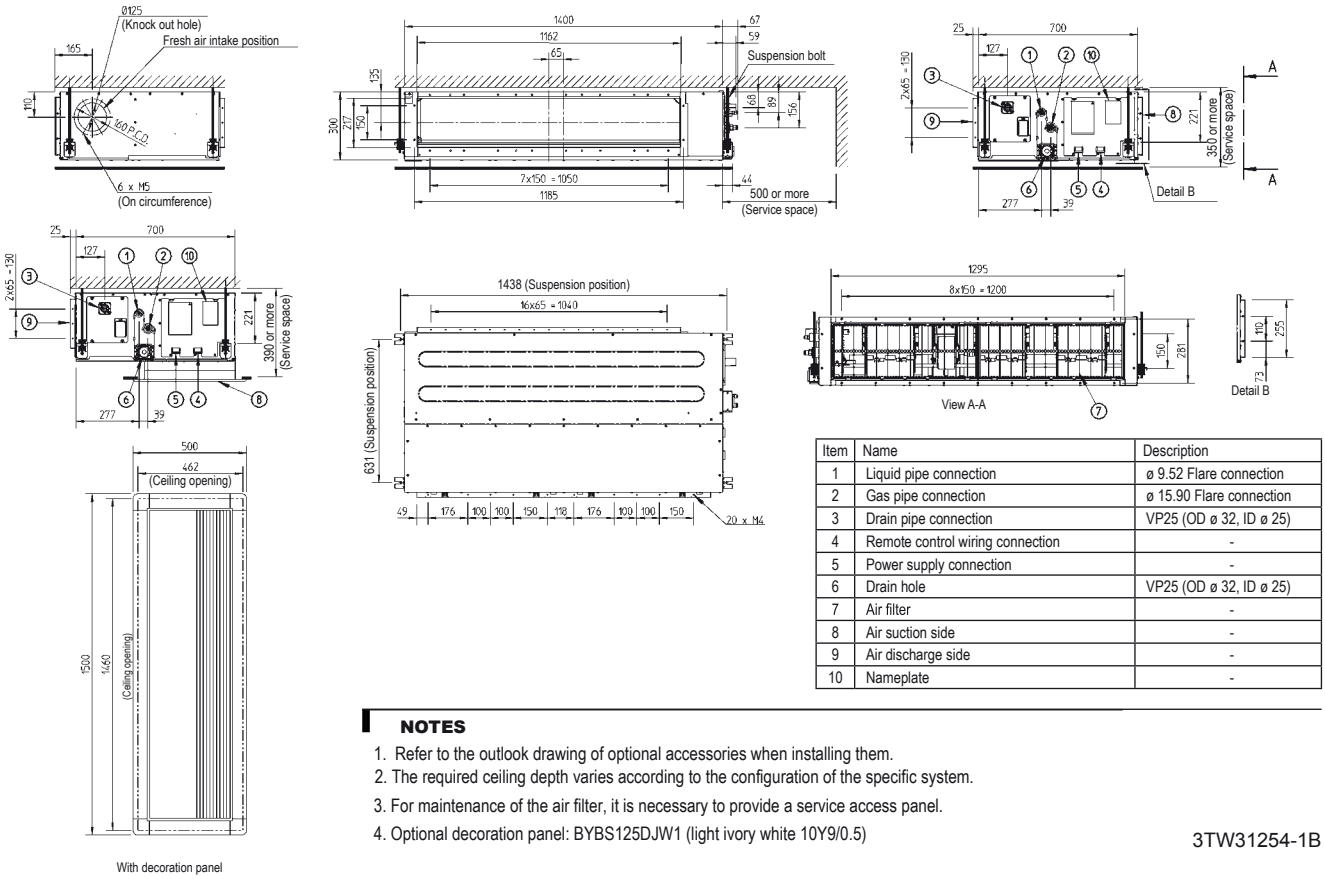
Item	Name	Description
1	Liquid pipe connection	ø 9.52 Flare connection
2	Gas pipe connection	ø 15.90 Flare connection
3	Drain pipe connection	VP25 (OD ø 32, ID ø 25)
4	Remote control wiring connection	-
5	Power supply connection	-
6	Drain hole	VP25 (OD ø 32, ID ø 25)
7	Air filter	-
8	Air suction side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

NOTES

1. Refer to the outlook drawing of optional accessories when installing them.
2. The required ceiling depth varies according to the configuration of the specific system.
3. For maintenance of the air filter, it is necessary to provide a service access panel.
4. Optional decoration panel: BYBS71DJW1 (light ivory white 10Y9/0.5)

3TW31234-1B

FXMQ100-125P7



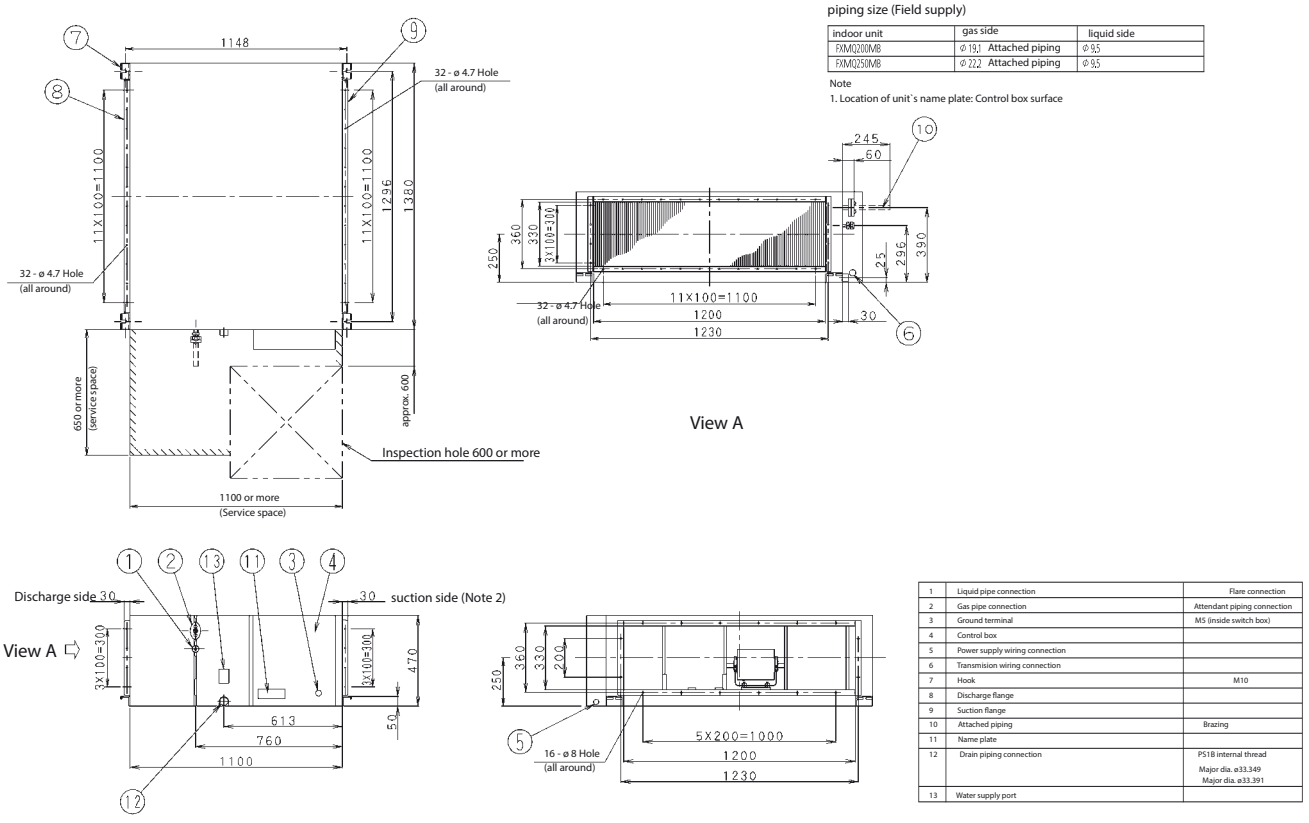
Item	Name	Description
1	Liquid pipe connection	ø 9.52 Flare connection
2	Gas pipe connection	ø 15.90 Flare connection
3	Drain pipe connection	VP25 (OD ø 32, ID ø 25)
4	Remote control wiring connection	-
5	Power supply connection	-
6	Drain hole	VP25 (OD ø 32, ID ø 25)
7	Air filter	-
8	Air suction side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

NOTES

1. Refer to the outlook drawing of optional accessories when installing them.
2. The required ceiling depth varies according to the configuration of the specific system.
3. For maintenance of the air filter, it is necessary to provide a service access panel.
4. Optional decoration panel: BYBS125DJW1 (light ivory white 10Y9/0.5)

3TW31254-1B

FXMQ-MB



piping size (Field supply)

indoor unit	gas side	liquid side
FXMQ200MB	Φ 19.1 Attached piping	Φ 9.5
FXMQ250MB	Φ 22.2 Attached piping	Φ 9.5

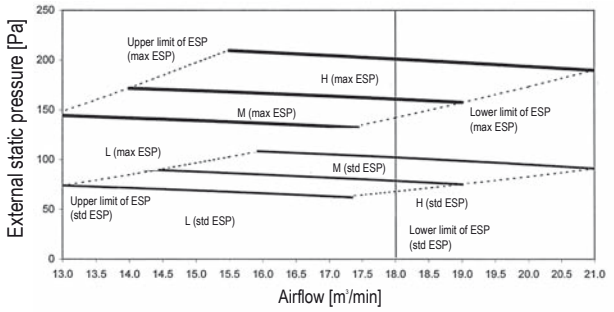
Note
1. Location of unit`s name plate: Control box surface

1	Liquid pipe connection	Flare connection
2	Gas pipe connection	Attendant piping connection
3	Ground terminal	M5 (inside switch box)
4	Control box	
5	Power supply wiring connection	
6	Transmision wiring connection	
7	Hook	M10
8	Discharge flange	
9	Suction flange	
10	Attached piping	Brazing
11	Name plate	
12	Drain piping connection	PS1B internal thread Major dia. ø33.349 Major dia. ø33.391
13	Water supply port	

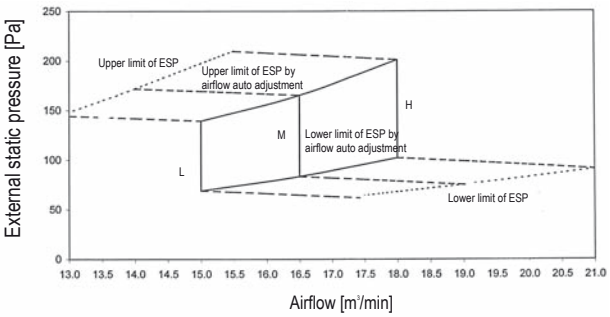
3D096007

FXMQ50P7

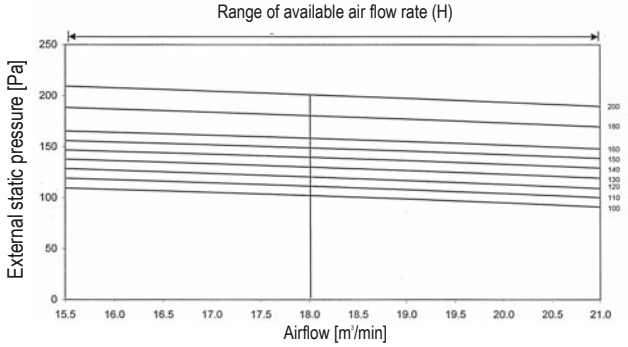
Fan characteristics (1)



Fan characteristics (3)
(airflow auto adjustment)



Fan characteristics (2)
(Field setting with remote control)



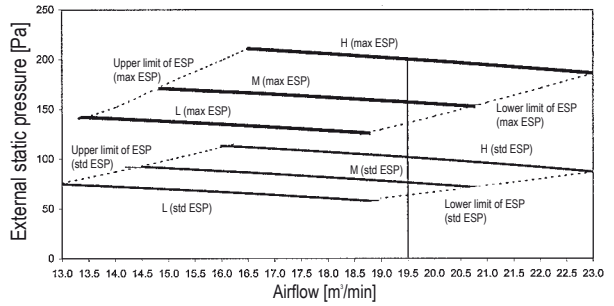
3TW32698-1

NOTES

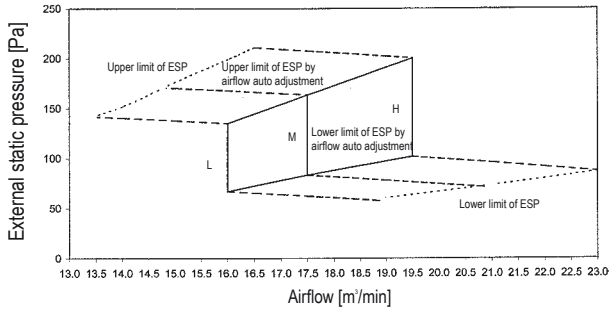
1. Fan characteristics as shown are in “fan only” mode.
2. ESP: External static pressure

FXMQ63P7

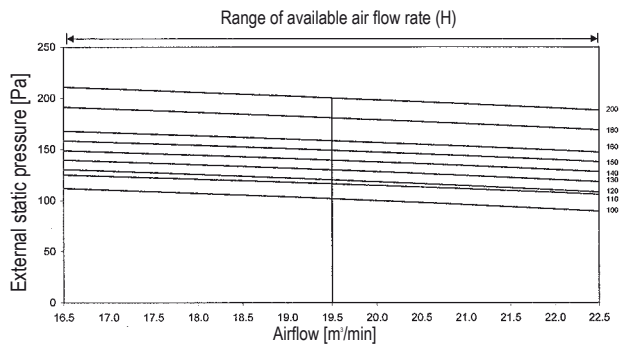
Fan characteristics (1)



Fan characteristics (3)
(airflow auto adjustment)



Fan characteristics (2)
(Field setting with remote control)



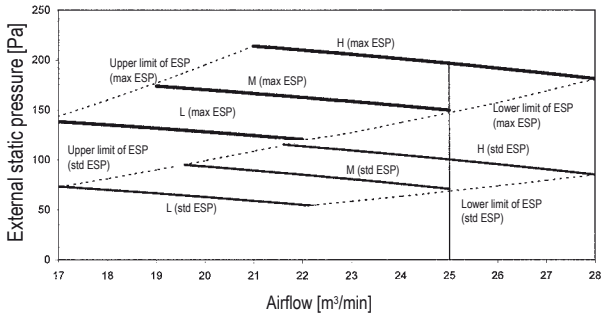
3TW32708-1

NOTES

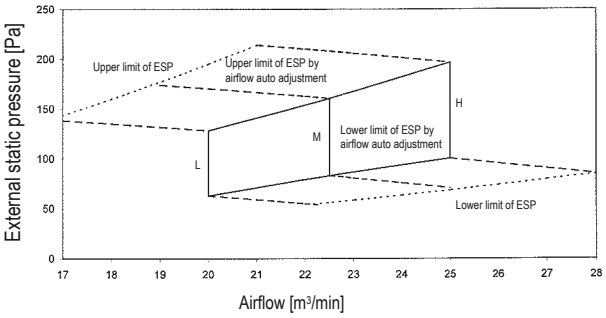
1. Fan characteristics as shown are in “fan only” mode.
2. ESP: External static pressure

FXMQ80P7

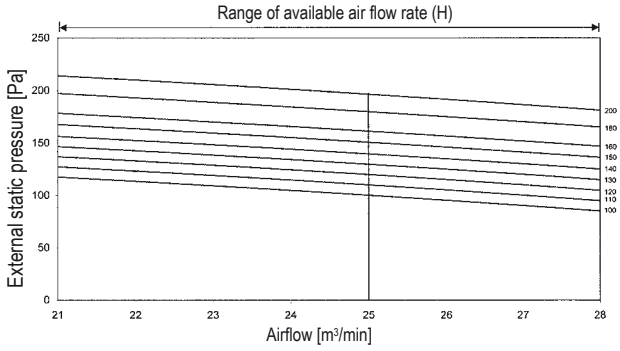
Fan characteristics (1)



Fan characteristics (3)
(airflow auto adjustment)



Fan characteristics (2)
(Field setting with remote control)



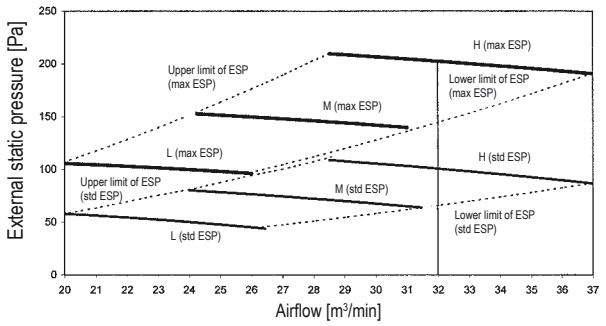
3TW32718-1

NOTES

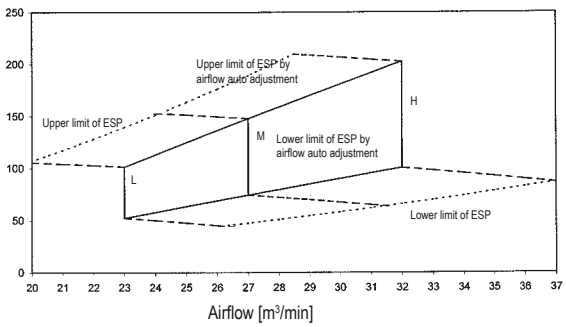
1. Fan characteristics as shown are in “fan only” mode.
2. ESP: External static pressure

FXMQ100P7

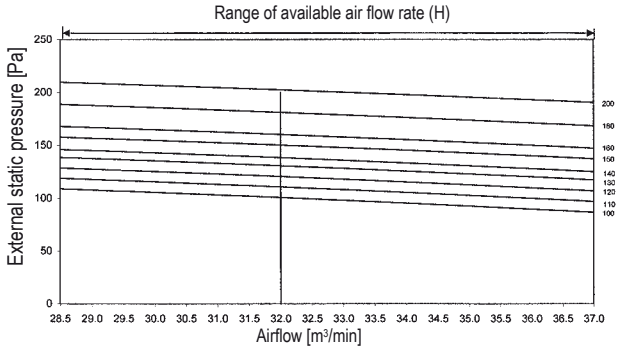
Fan characteristics (1)



Fan characteristics (3)
(airflow auto adjustment)



Fan characteristics (2)
(Field setting with remote control)



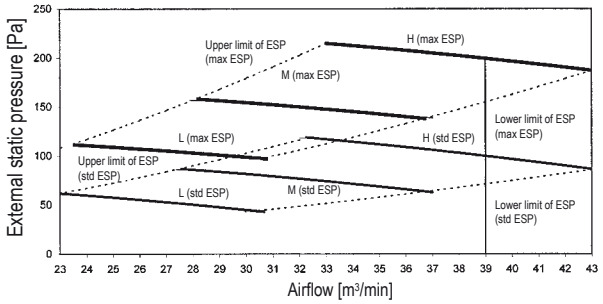
3TW32728-1

NOTES

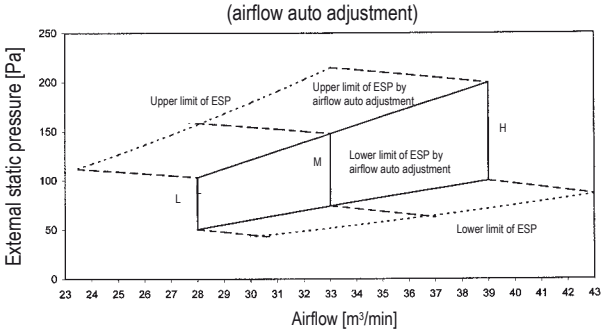
1. Fan characteristics as shown are in “fan only” mode.
2. ESP: External static pressure.

FXMQ125P7

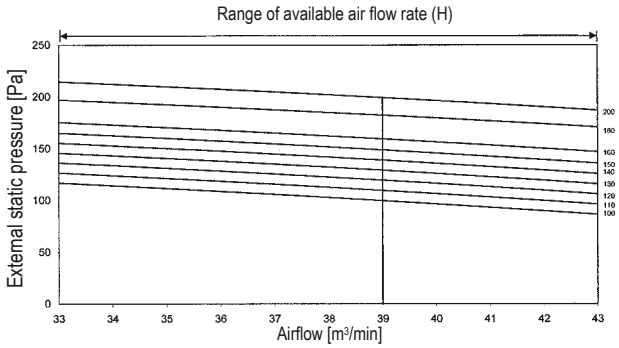
Fan characteristics (1)



Fan characteristics (3)
(airflow auto adjustment)



Fan characteristics (2)
(Field setting with remote control)

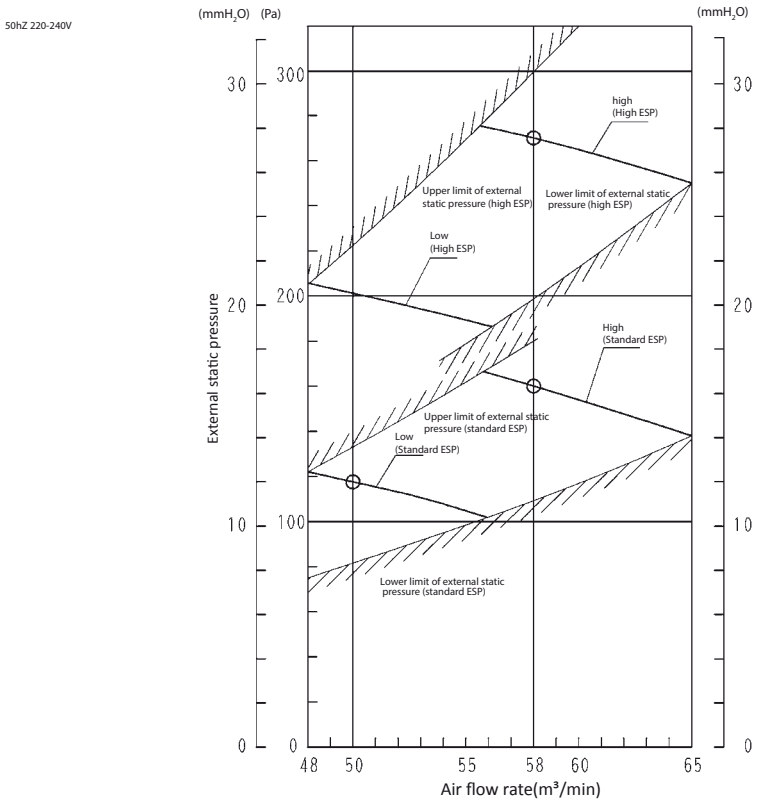


3TW32738-1

NOTES

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

FXMQ200MB

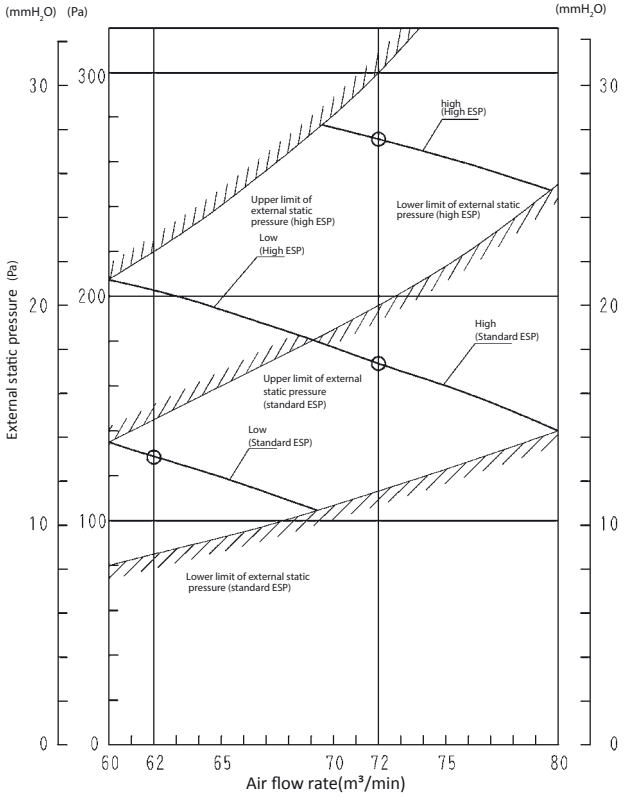


Notes:
1. Remote controller can be used to switch between `HIGH` and `LOW`.
2. The air flows is set to `STANDARD` before leaving the factory. It is possible to switch between `STANDARD ESP` and `HIGH ESP` by remote controller.

4D095421

FXMQ250MB

50hZ 220-240V



Notes:
1. Remote controller can be used to switch between `HIGH` and `LOW`.
2. The air flows is set to `STANDARD` before leaving the factory. It is possible to switch between `STANDARD ESP` and `HIGH ESP` by remote controller.

4D095422