

Concealed ceiling unit with medium ESP

Slimmest yet most powerful medium static pressure unit on the market

- › Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge



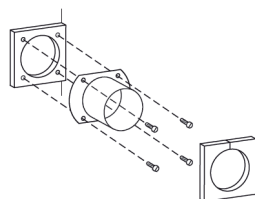
- › Whisper quiet operation: down to 25dBA sound pressure level
- › Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- › Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- › Discretely concealed in the wall: only the suction and discharge grilles are visible
- › 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
- › Reduced energy consumption thanks to specially developed DC fan motor and drain pump
- › Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation is required

Fresh air intake opening in casing



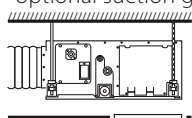
* Brings in up to 10% of fresh air into the room

Optional fresh air intake kit

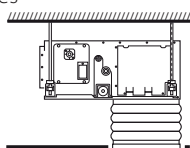


* Allows larger quantities of fresh air to be brought in

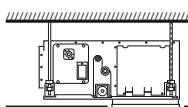
- › Flexible installation: air suction direction can be altered from rear to bottom suction and choice between free use or connection to optional suction grilles



For free use into a false ceiling

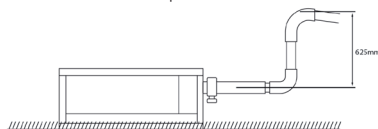


For connecting onto a suction canvas (not supplied by Daikin)



For direct connection to Daikin panel (via EKBYBSD kit)

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



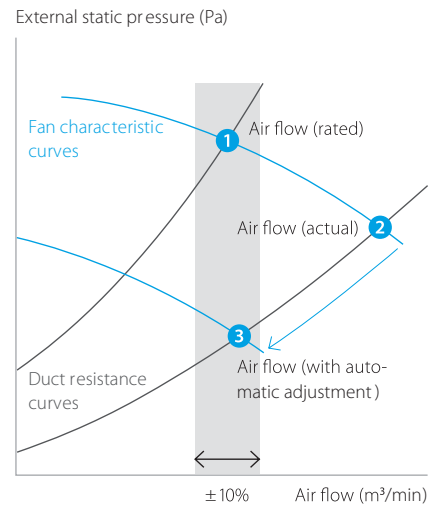
Automatic Airflow Adjustment function

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

Why?

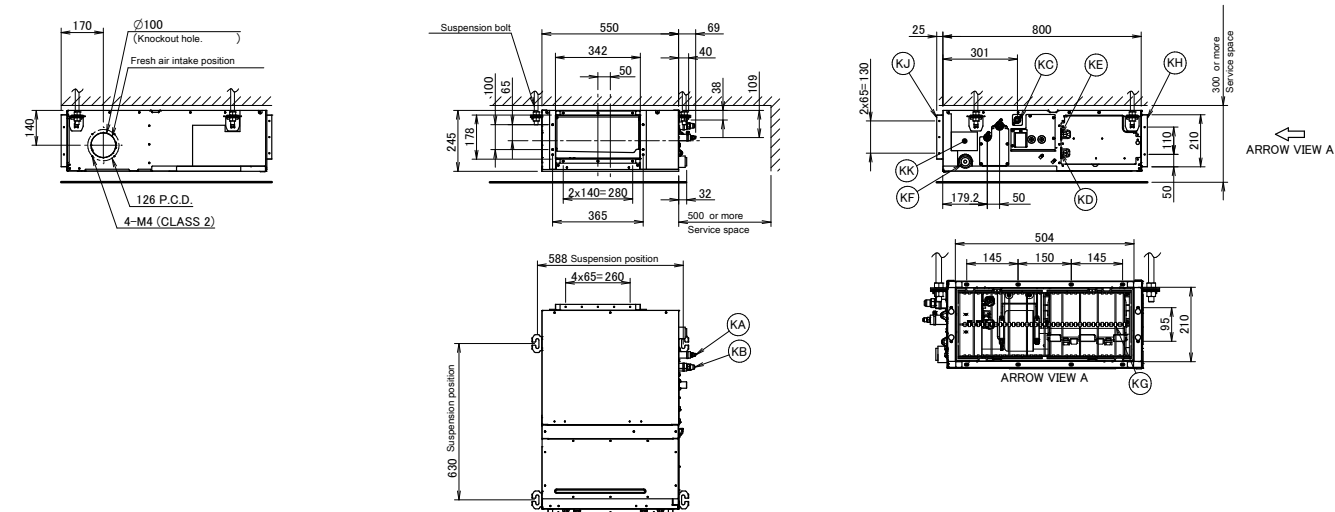
After installation the real ducting will frequently differ from the initially calculated air flow resistance → the real air flow may be much lower or higher than nominal, leading to a lack of capacity or uncomfortable air temperature

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



Indoor unit				FXSQ	15A	20A	25A	32A	40A	50A	63A	80A	100A	125A	140A		
Cooling capacity	Nom.		kW	1.7	2.2	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0	16.0			
Heating capacity	Nom.		kW	1.9	2.5	3.2	4.0	5.0	6.3	8.0	10.0	12.5	16.0	18.0			
Power input - 50Hz	Cooling	Nom.	kW	0.041			0.045	0.092	0.095		0.121	0.157	0.214	0.243			
	Heating	Nom.	kW	0.038			0.042	0.089	0.092		0.118	0.154	0.211	0.240			
Dimensions	Unit	Height	mm	245													
		Width	mm	550				700		1,000		1,400		1,550			
		Depth	mm	800													
Weight	Unit		kg	23.5			24	28.5	29	35.5	36.5	46	47	51			
Casing	Colour			Not painted (galvanised)													
	Material			Galvanised steel plate													
Fan-Air flow rate - 50Hz	Cooling	High/Nom./Low	m³/min	8.7/7.5/6.5	9/7.5/6.5		9.5/8/7.0	15/12.5/11	15.2/12.5/11	21.0/18/15	23/19.5/16	32/27/23	36/31.5/26	39/34/28			
	Heating	High/Nom./Low	m³/min	8.7/7.5/6.5	9/7.5/6.5		9.5/8/7	15/12.5/11	15.2/12.5/11	21/18/15	23/19.5/16.0	32/27/23	36/31.5/26	39/34/28			
Fan-External static pressure - 50Hz	High/Nom.		Pa	150/30								150/40		150/50			
Air filter	Type			Resin net with mold resistance													
Sound power level	Cooling	Nom.	dBA	54			55	60		59	61		64				
Sound pressure level	Cooling	High/Nom./Low	dBA	29.5/28/25	30/28/25		31/29/26	35/32/29		33/30/27	35/32/29	36/34/31	39/36/33	41.5/38/34			
	Heating	High/Nom./Low	dBA	31.5/29/26	32/29/26		33/30/27	37/34/29		35/32/28	37/34/30	37/34/31	40/37/33	42/38.5/34			
Refrigerant	Type			R-410A													
	GWP			2,087.5													
Piping connections	Liquid	OD	mm	6.35							9.52						
	Gas	OD	mm	12.7							15.9						
	Drain			VP20 (I.D. 20/O.D. 26)													
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/60/220-240/220													
Current - 50Hz	Maximum fuse amps (MFA)		A	16													
Control systems	Infrared remote control			BRC4C65													
	Wired remote control			BRC1D52 / BRC1E52A/B													
	Simplified wired remote control for hotel applications			BRC2E52C (heat recovery type) / BRC3E52C (heat pump type)													

FXSQ15-32A

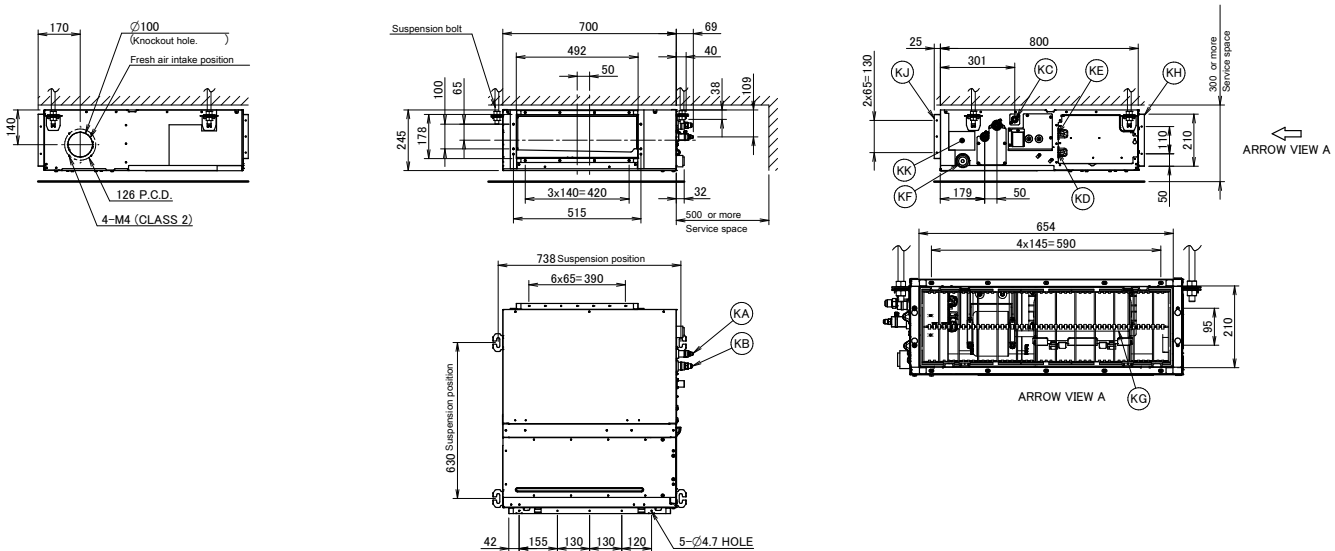


Item	Name	Description
KA	Liquid pipe connection port	Ø6.35 flared connection
KB	Gas pipe connection port	Ø12.70 flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD Ø26, ID Ø20)
KG	Air filter	/
KH	Air suction side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

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

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FXSQ40-50A

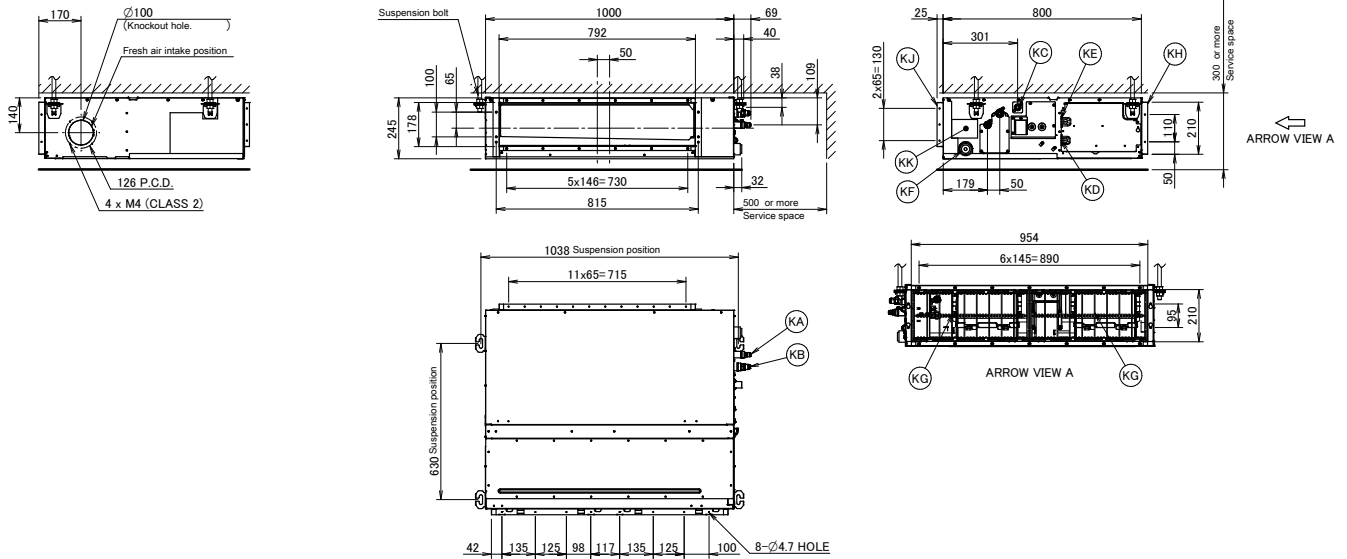


Item	Name	Description
KA	Liquid pipe connection port	Ø6.35 flared connection
KB	Gas pipe connection port	Ø12.70 flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD Ø26, ID Ø20)
KG	Air filter	/
KH	Air suction side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

Notes
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FXSQ63-80A



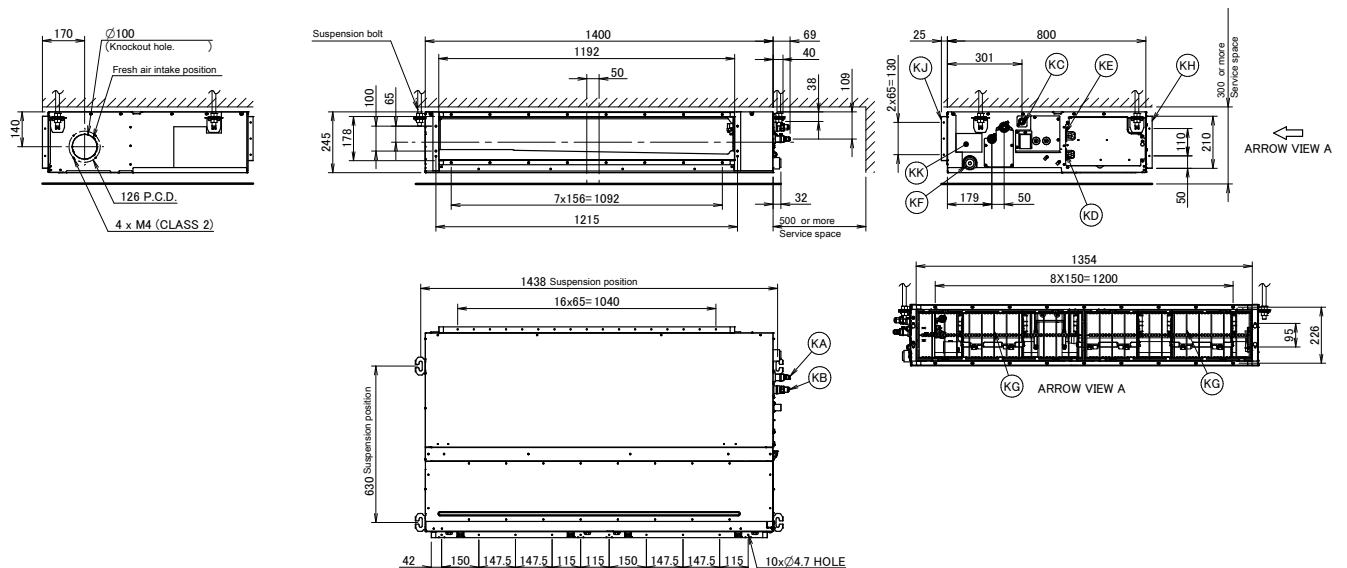
Item	Name	Description
KA	Liquid pipe connection port	Ø9.52 flared connection
KB	Gas pipe connection port	Ø15.90 flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD Ø26, ID Ø20)
KG	Air filter	/
KH	Air suction side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

Notes

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2. The ceiling depth varies according to the documentation of the specific system.

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FXSQ100-125A



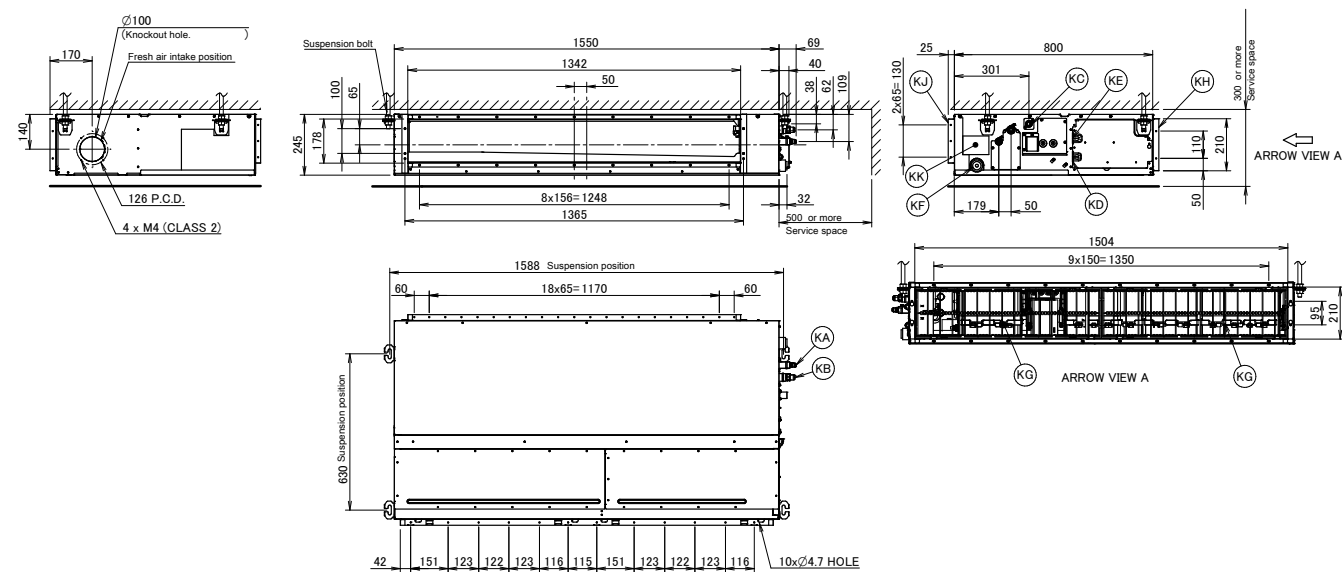
Item	Name	Description
KA	Liquid pipe connection port	Ø9.52 flared connection
KB	Gas pipe connection port	Ø15.90 flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD Ø26, ID Ø20)
KG	Air filter	/
KH	Air suction side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

Notes

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

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FXSQ140A



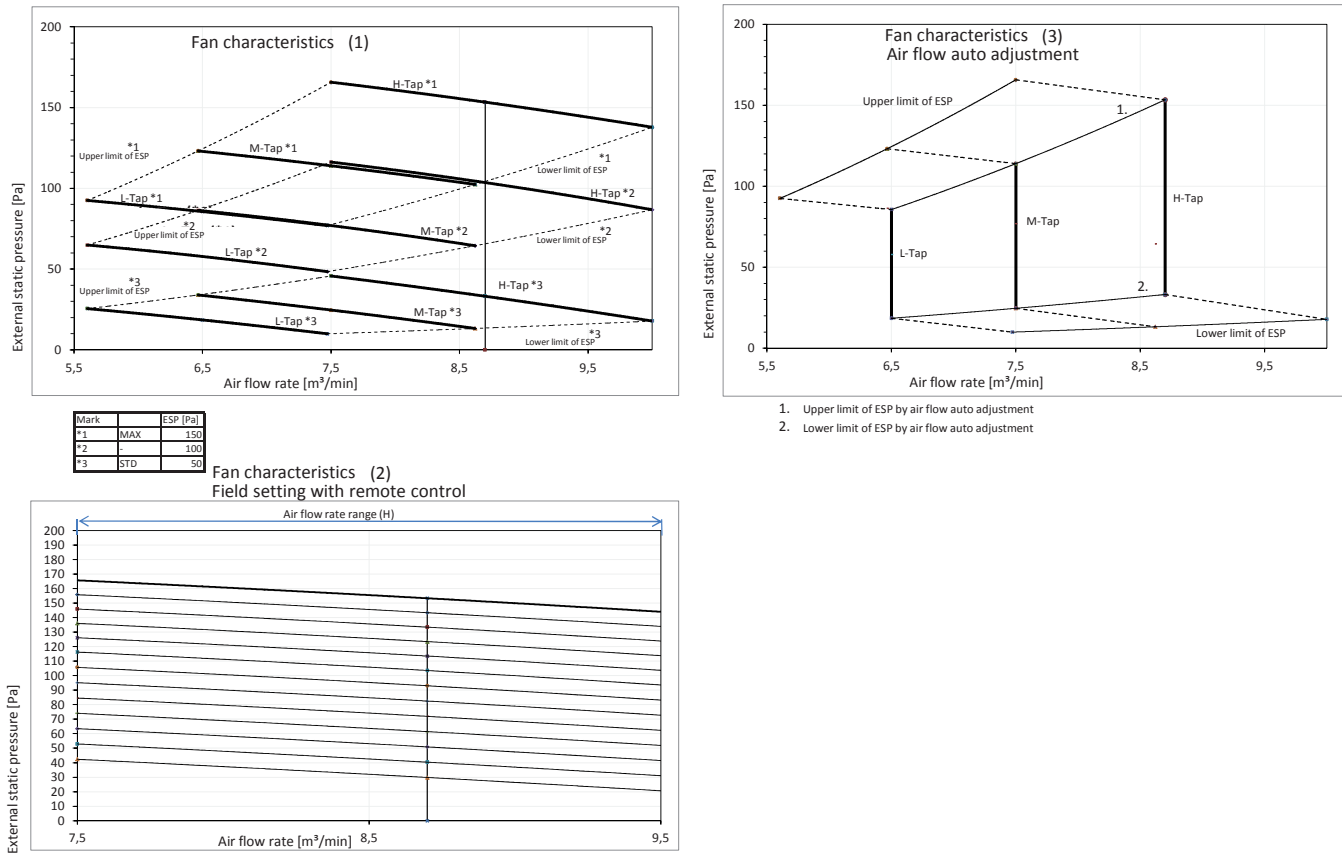
Item	Name	Description
KA	Liquid pipe connection port	Ø9.52 flared connection
KB	Gas pipe connection port	Ø15.90 flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD Ø26, ID Ø20)
KG	Air filter	/
KH	Air suction side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

Notes

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

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FXSQ15A

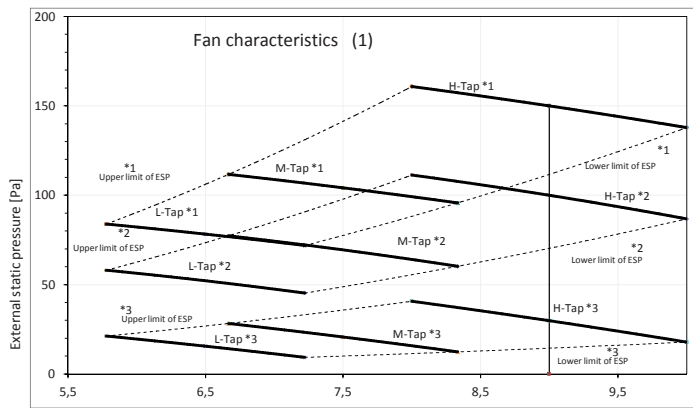


Notes

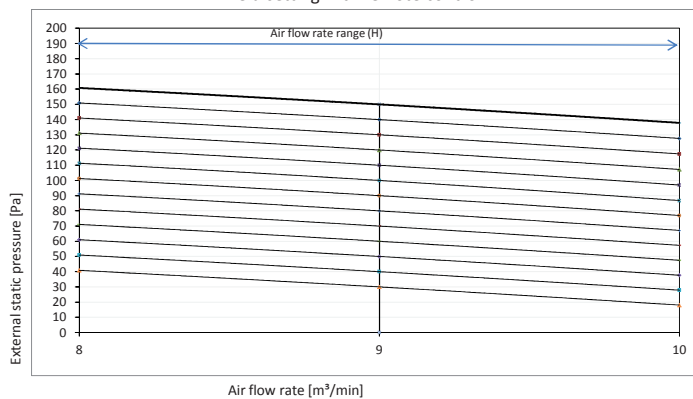
- The fan characteristics shown are in "fan only" mode.
- ESP: External Static Pressure

3D096999

FXSQ20-25A

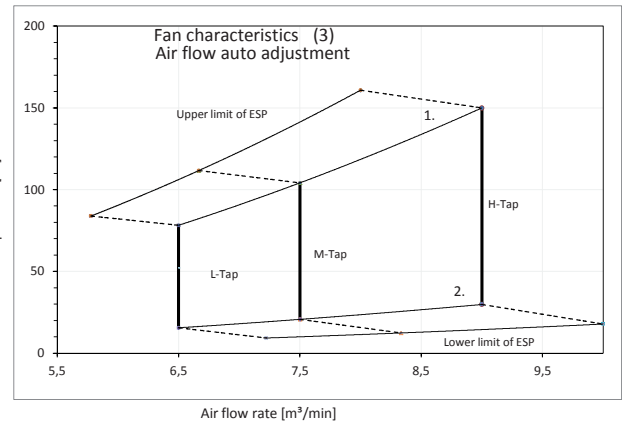


Fan characteristics (2)
Field setting with remote control



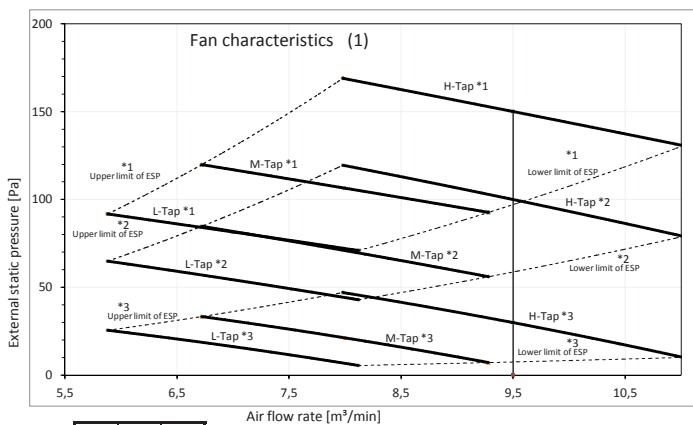
Notes

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

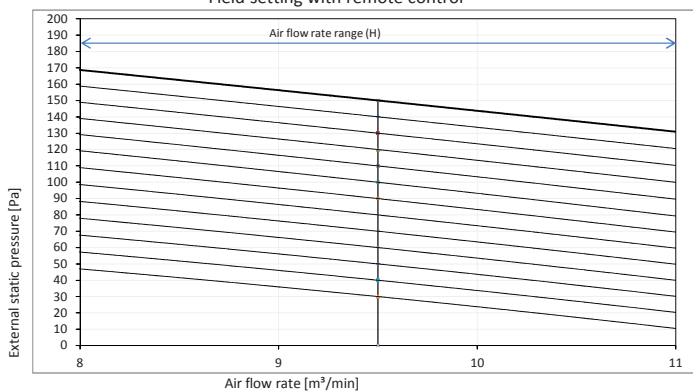


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FXSQ32A

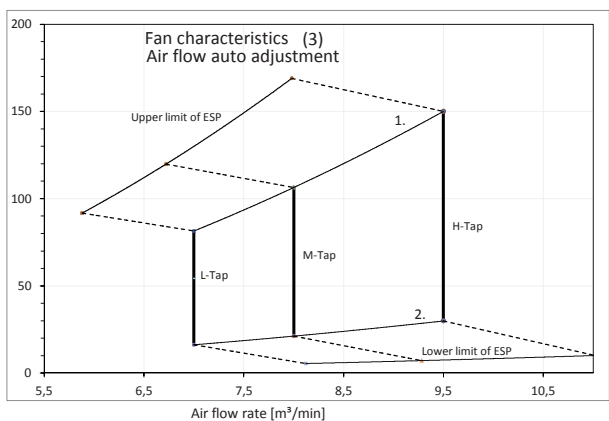


Fan characteristics (2)
Field setting with remote control



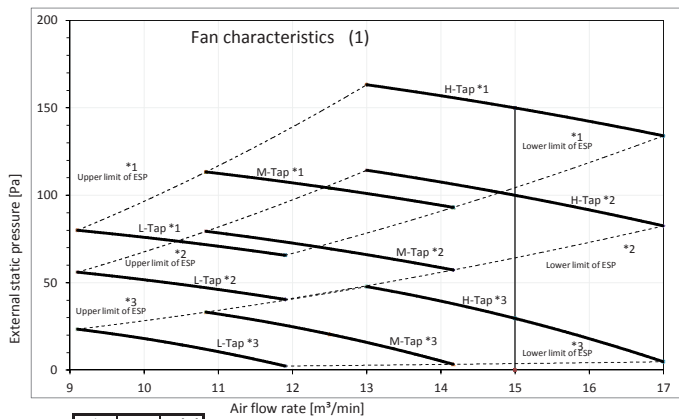
Notes

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

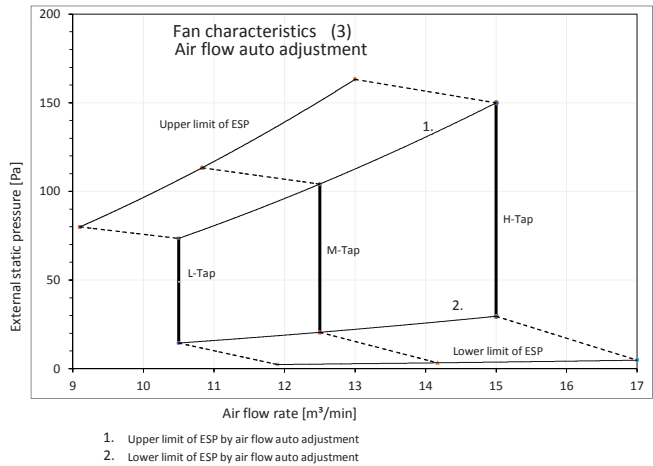
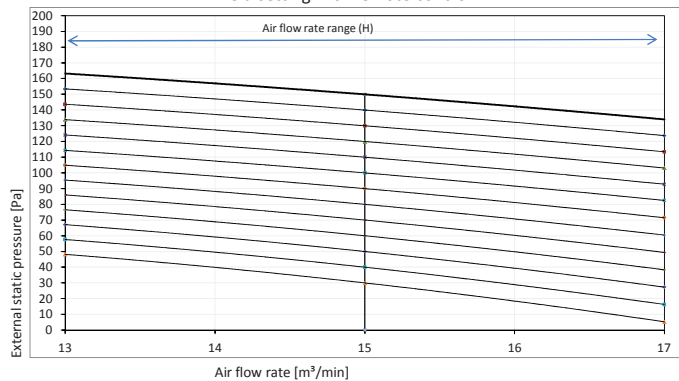


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FXSQ40A



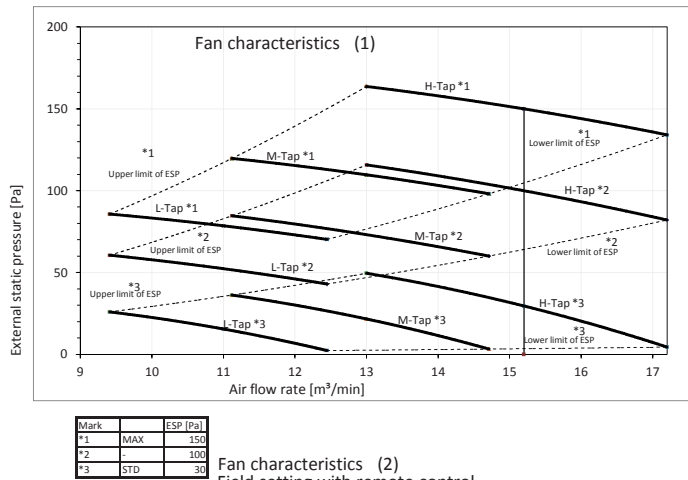
Fan characteristics (2)
Field setting with remote control



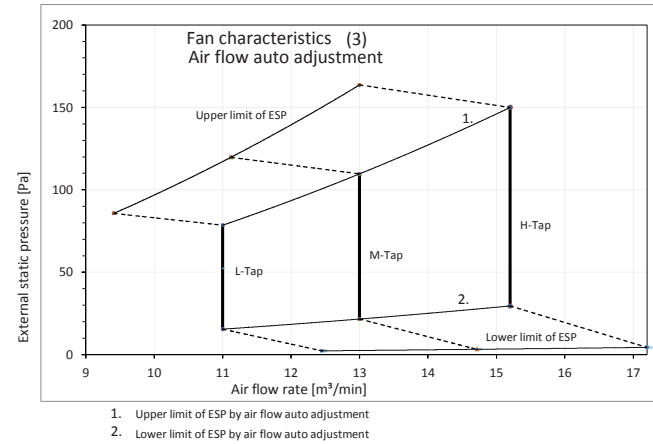
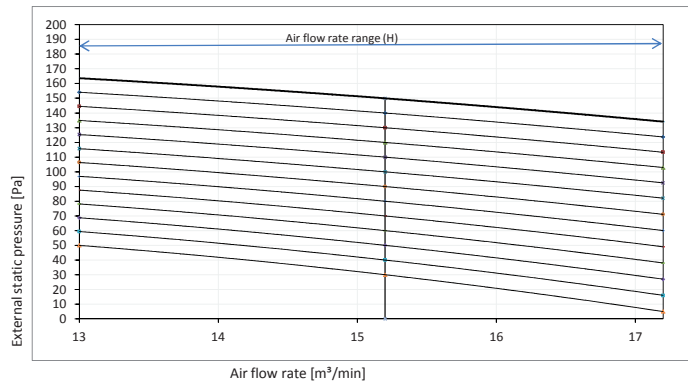
Notes
1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

3D095682A

FXSQ50A



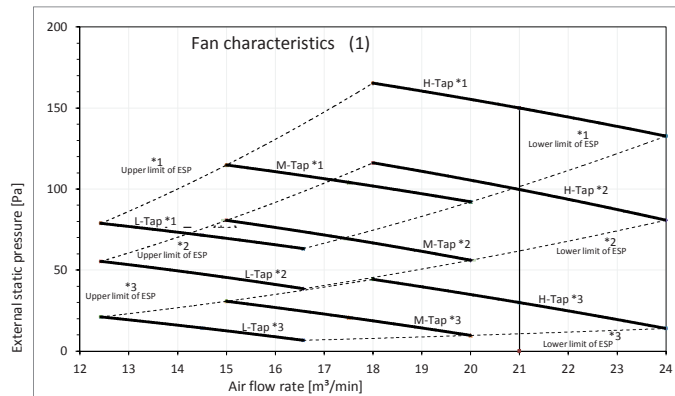
Fan characteristics (2)
Field setting with remote control



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

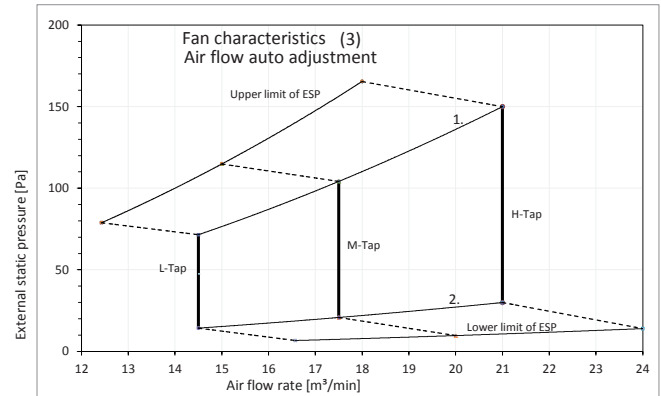
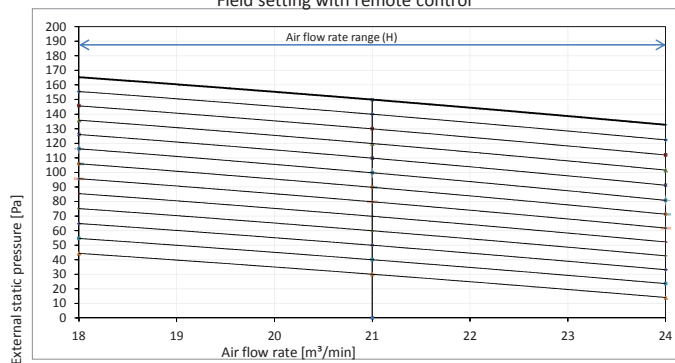
3D095688A

FXSQ63A



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

Fan characteristics (2)
Field setting with remote control

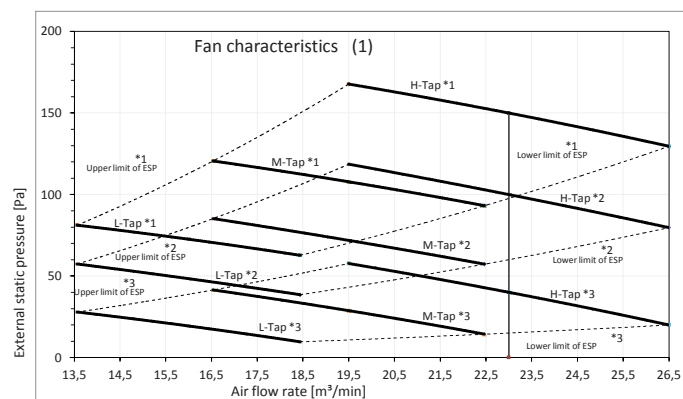


1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

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

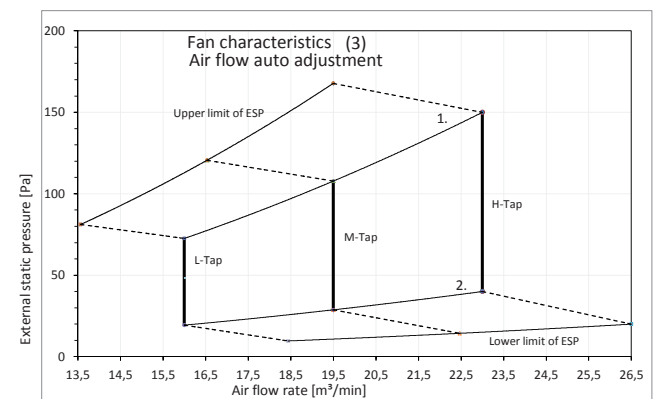
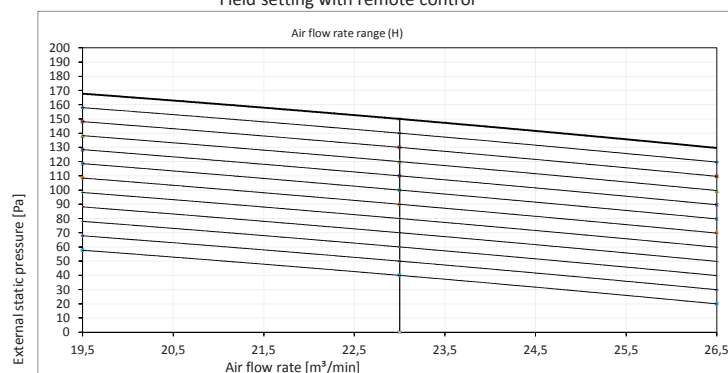
3D095690A

FXSQ80A



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

Fan characteristics (2)
Field setting with remote control

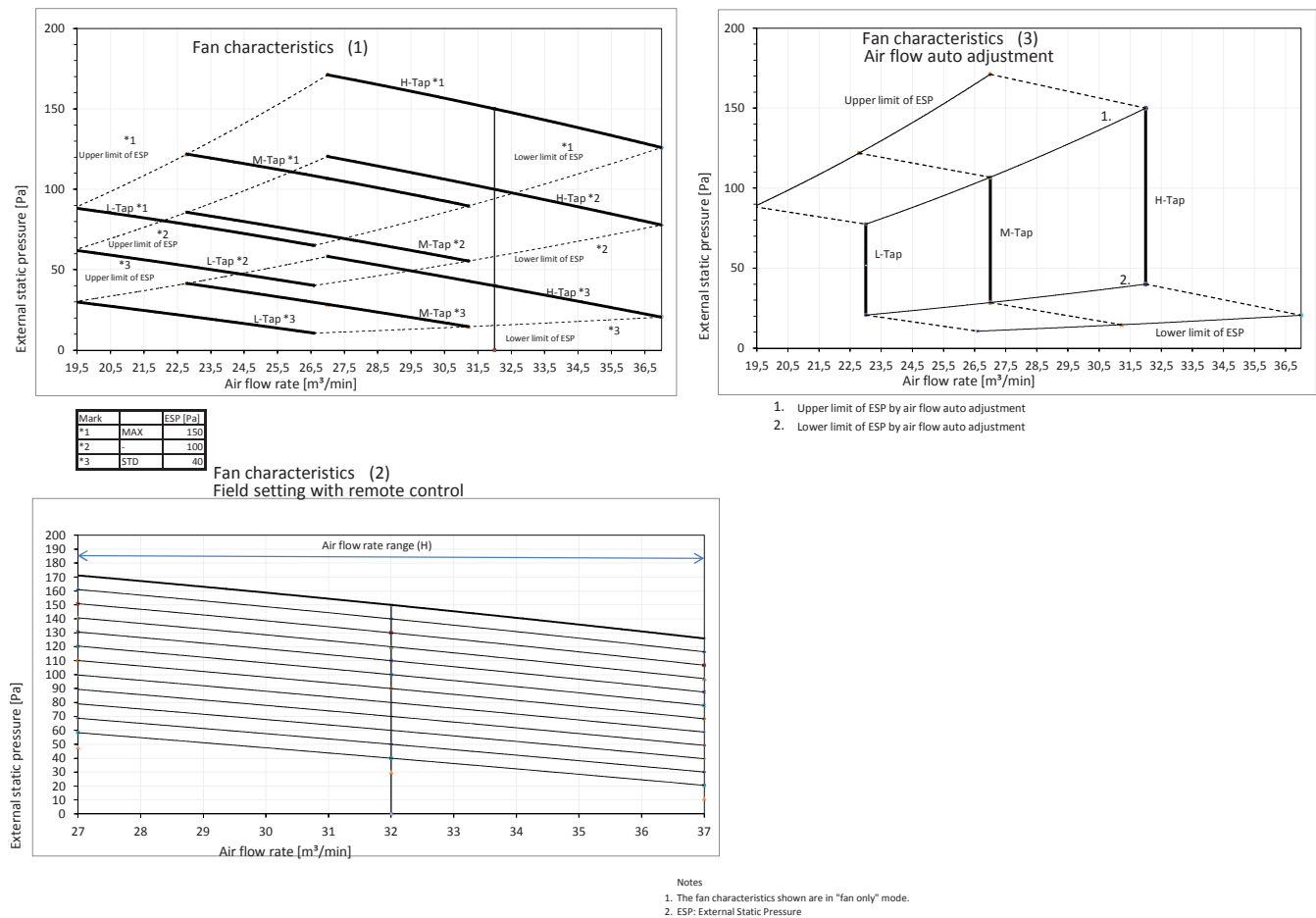


1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

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

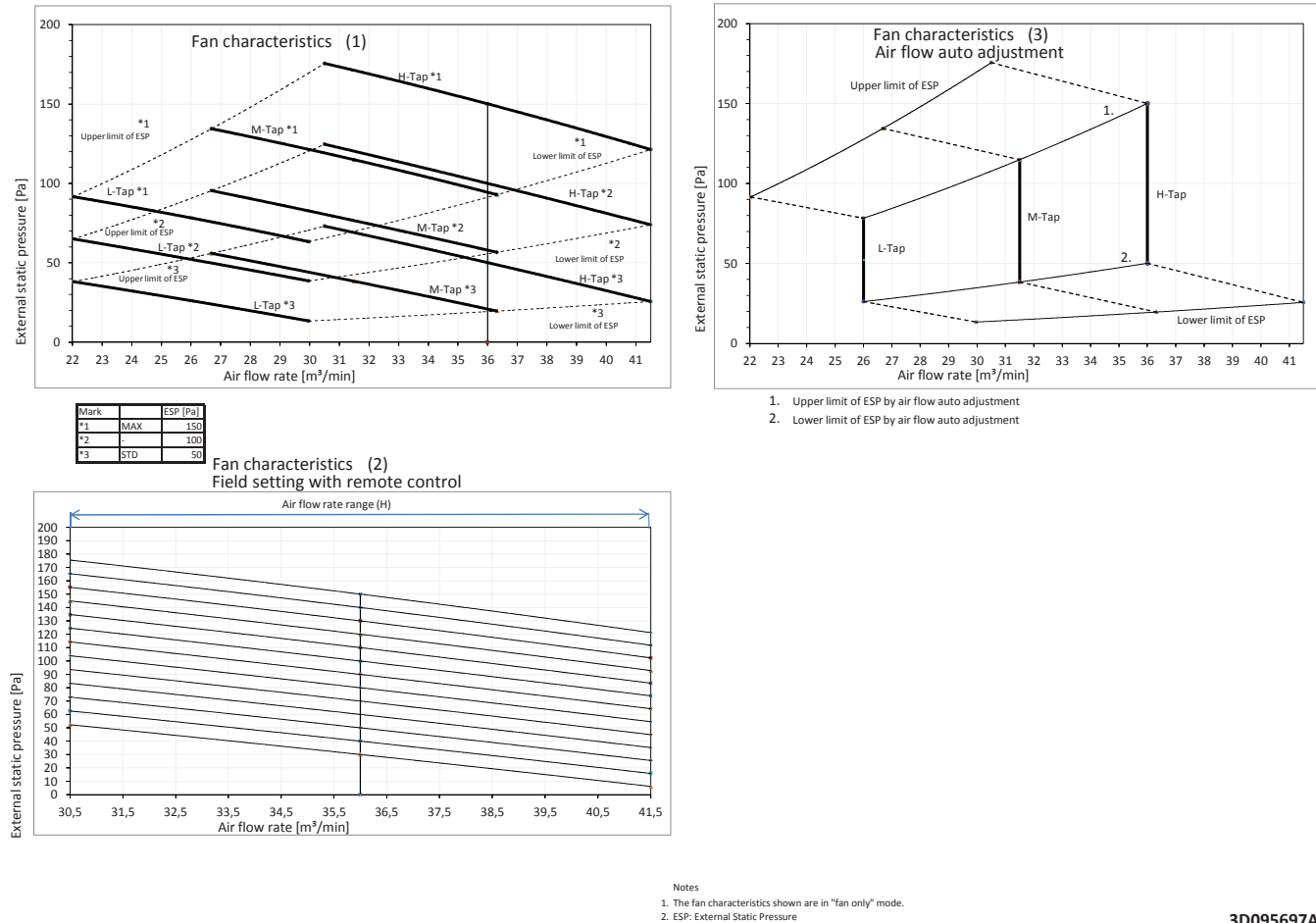
3D095692A

FXSQ100A



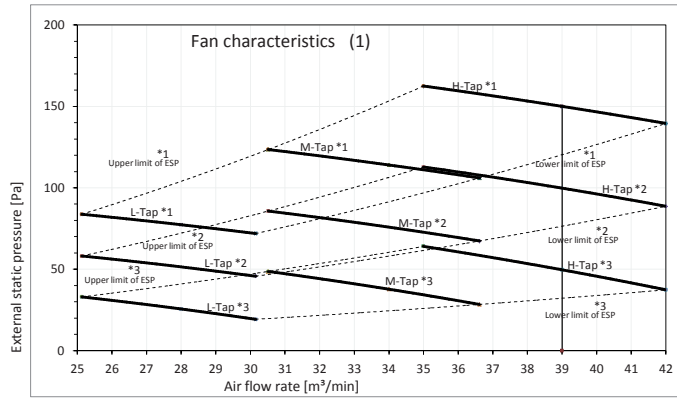
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FXSQ125A



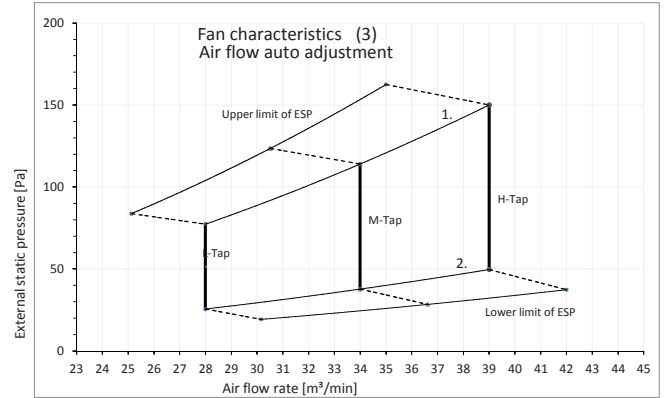
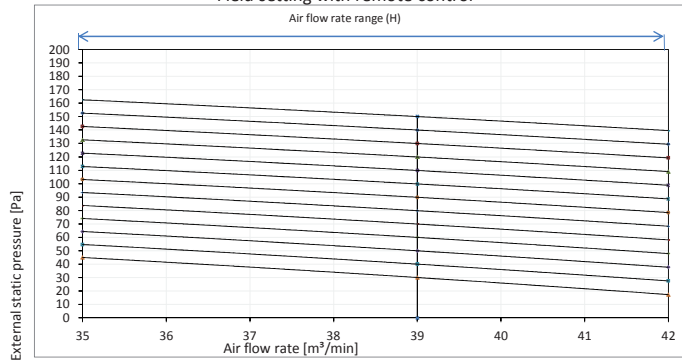
3D095697A

FXSQ140A



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

Fan characteristics (2)
Field setting with remote control



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

Notes

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

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