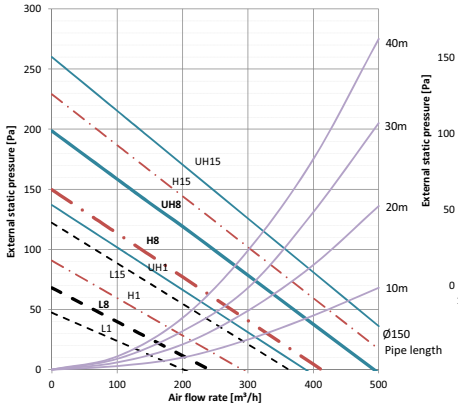
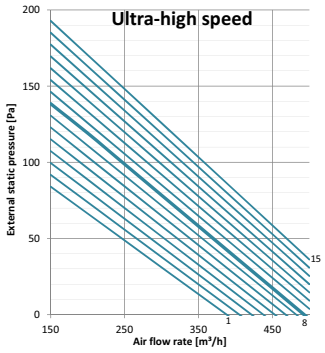
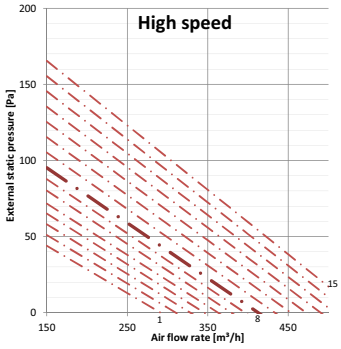
9 Fan characteristics

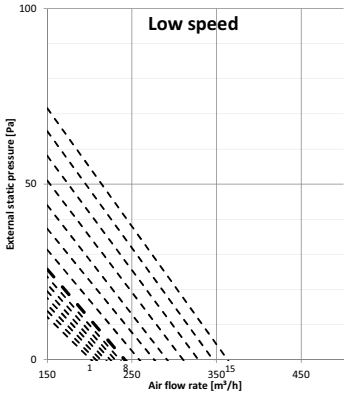
9 - 1 Fan Characteristics

VAM350FC









Ultra-high speed
High speed
Low speed

Legend

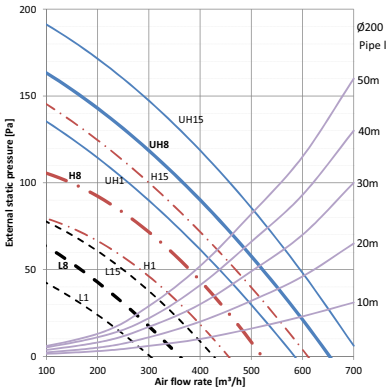
L1	=	Low speed lower limit
L8	=	Low speed factory setting
L15	=	Low speed upper limit
H1	=	High speed lower limit
H8	=	High speed factory setting
H15	=	High speed upper limit
UH1	=	Ultra-high speed lower limit
UH8	=	Ultra-high speed factory setting
UH15	=	Ultra-high speed upper limit

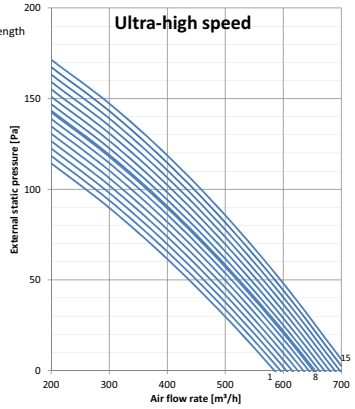
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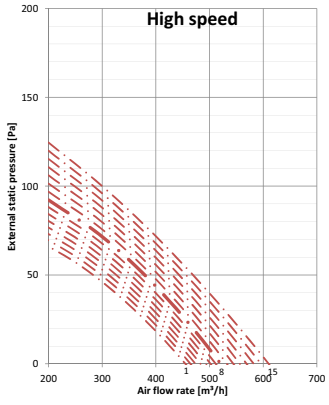
1. The fan speeds are valid for -230-V, -50-Hz power supply.

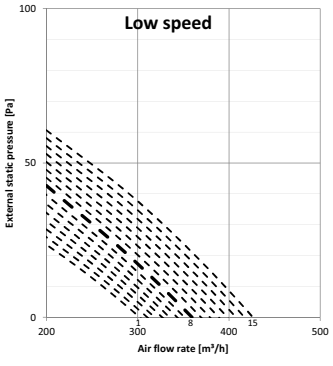
3D100381

VAM500FC









Ultra-high speed
High speed
Low speed

Legend

L1	=	Low speed lower limit
L8	=	Low speed factory setting
L15	=	Low speed upper limit
H1	=	High speed lower limit
H8	=	High speed factory setting
H15	=	High speed upper limit
UH1	=	Ultra-high speed lower limit
UH8	=	Ultra-high speed factory setting
UH15	=	Ultra-high speed upper limit

Notes

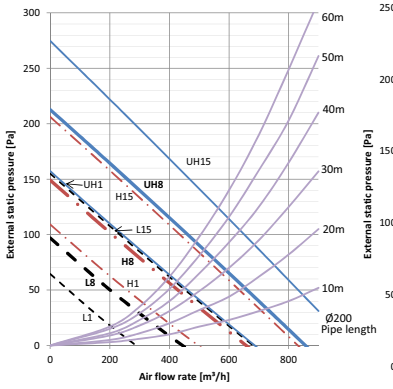
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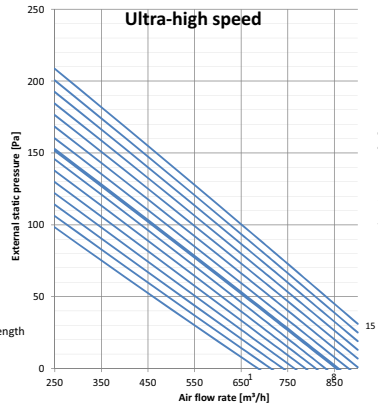
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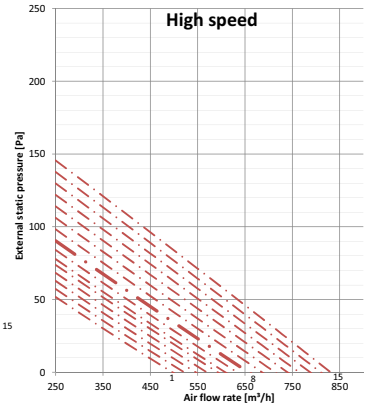
9 Fan characteristics

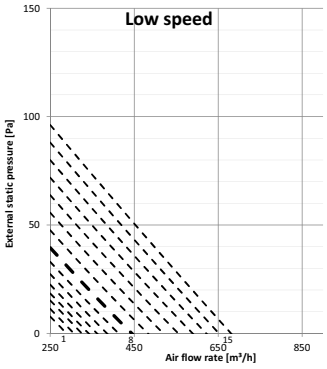
9 - 1 Fan Characteristics

VAM650FC









Ultra-high speed
High speed
Low speed

Legend

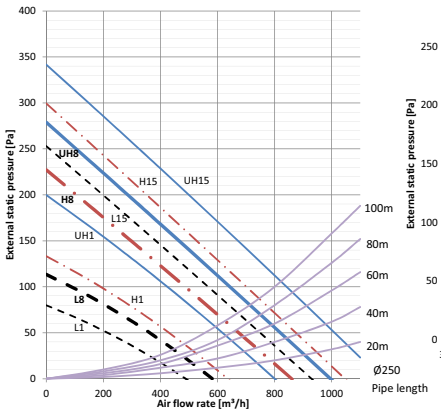
L1	=	Low speed lower limit
L8	=	Low speed factory setting
L15	=	Low speed upper limit
H1	=	High speed lower limit
H8	=	High speed factory setting
H15	=	High speed upper limit
UH1	=	Ultra-high speed lower limit
UH8	=	Ultra-high speed factory setting
UH15	=	Ultra-high speed upper limit

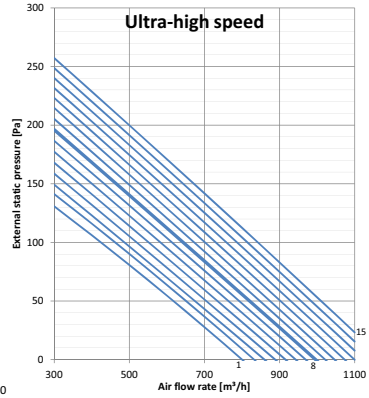
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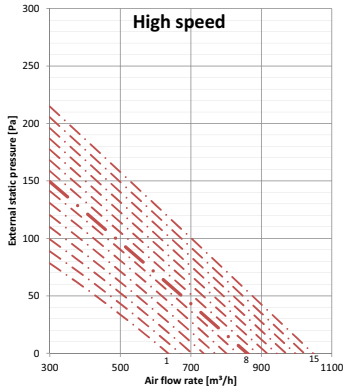
1. The fan speeds are valid for -230-V, -50-Hz power supply.

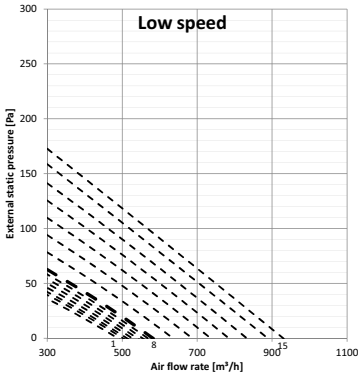
3D100383

VAM800FC









Ultra-high speed
High speed
Low speed

Legend

L1	=	Low speed lower limit
L8	=	Low speed factory setting
L15	=	Low speed upper limit
H1	=	High speed lower limit
H8	=	High speed factory setting
H15	=	High speed upper limit
UH1	=	Ultra-high speed lower limit
UH8	=	Ultra-high speed factory setting
UH15	=	Ultra-high speed upper limit

Notes

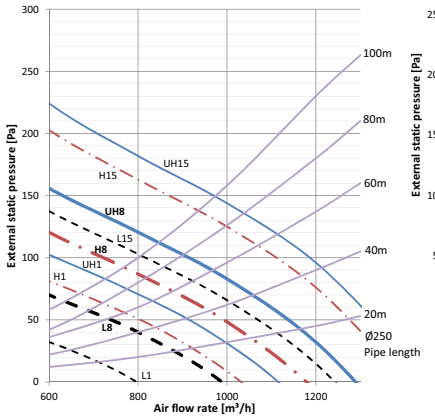
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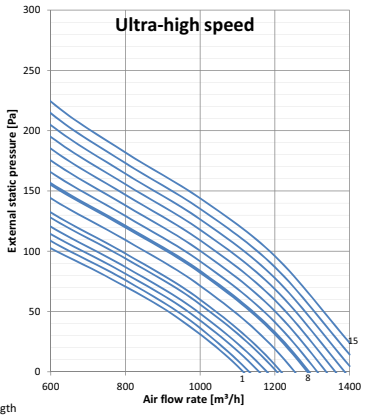
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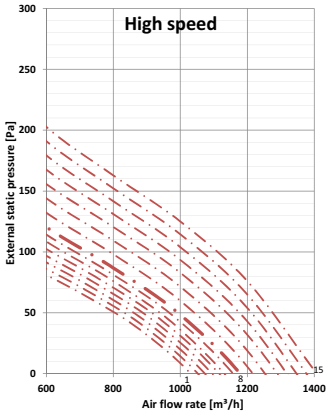
9 Fan characteristics

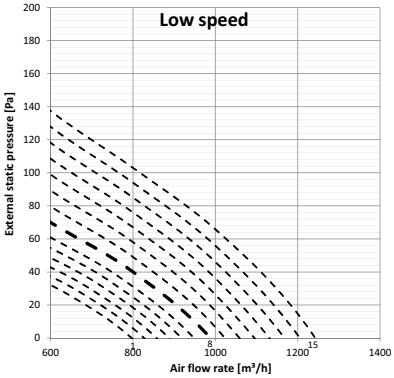
9 - 1 Fan Characteristics

VAM1000FC









Ultra-high speed
High speed
Low speed

Legend

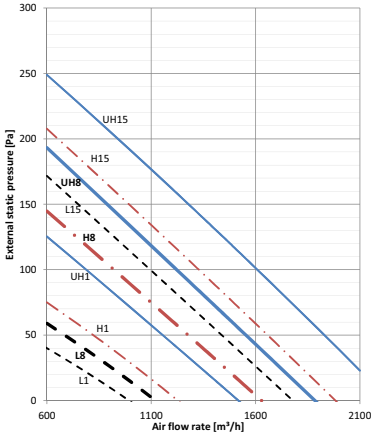
L1	=	Low speed lower limit
L8	=	Low speed factory setting
L15	=	Low speed upper limit
H1	=	High speed lower limit
H8	=	High speed factory setting
H15	=	High speed upper limit
UH1	=	Ultra-high speed lower limit
UH8	=	Ultra-high speed factory setting
UH15	=	Ultra-high speed upper limit

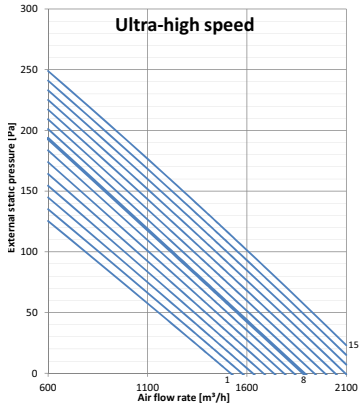
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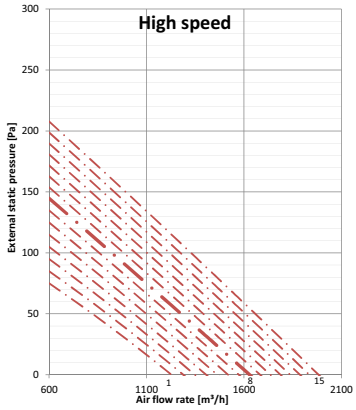
1. The fan speeds are valid for -230-V, -50-Hz power supply.

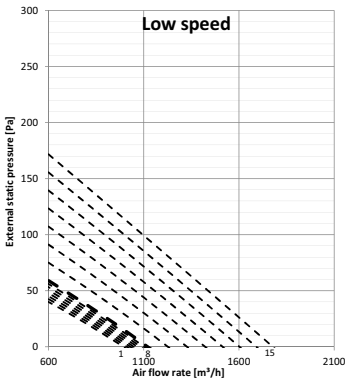
3D100385

VAM1500FC









Ultra-high speed
High speed
Low speed

Legend

L1	=	Low speed lower limit
L8	=	Low speed factory setting
L15	=	Low speed upper limit
H1	=	High speed lower limit
H8	=	High speed factory setting
H15	=	High speed upper limit
UH1	=	Ultra-high speed lower limit
UH8	=	Ultra-high speed factory setting
UH15	=	Ultra-high speed upper limit

Notes

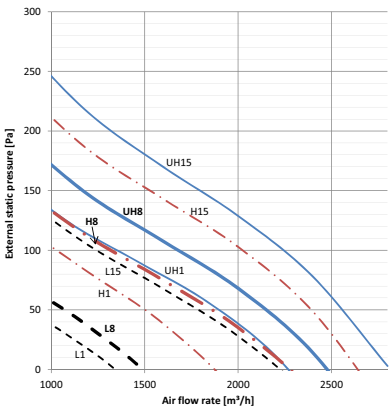
1. The fan speeds are valid for -230-V, -50-Hz power supply.

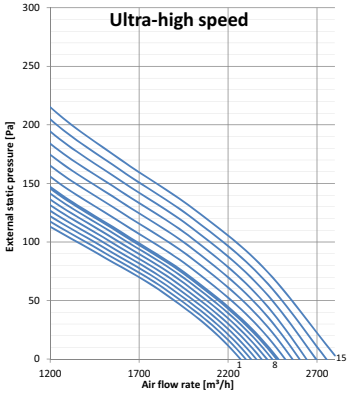
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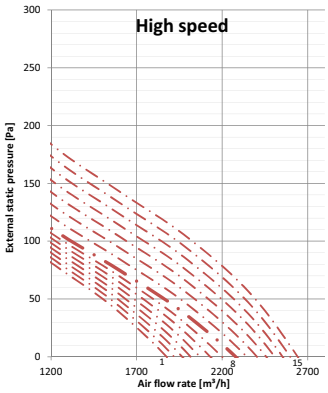
9 Fan characteristics

9 - 1 Fan Characteristics

VAM2000FC



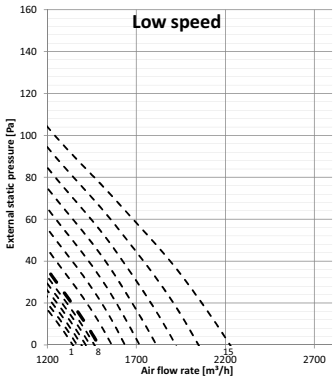




Ultra-high speed
High speed
Low speed

Legend

L1	=	Low speed lower limit
L8	=	Low speed factory setting
L15	=	Low speed upper limit
H1	=	High speed lower limit
H8	=	High speed factory setting
H15	=	High speed upper limit
UH1	=	Ultra-high speed lower limit
UH8	=	Ultra-high speed factory setting
UH15	=	Ultra-high speed upper limit



Notes

1. The fan speeds are valid for -230-V, -50-Hz power supply.

3D100387

10 Air filter characteristics

10 - 1 Air filter characteristics

VAM350-2000FC

High efficiency filter / dust filter for VAM350-2000FC

1 Information for filter selection

1 Choose required airflow
2 Choose the filters
3 Add up all the pressure drops of the duct system on the installation site and the filters
[For filter characteristics, refer to D-drawings]
4 Compare this with the unit performance characteristics to see resulting airflow & ESP

Download the VAM selection software on the Daikin extranet for easy selection

1 - 1 Choose required airflow

Choose the required airflow based upon the application/information

1 - 2 Choose the filters

Depending on the application prefilters and/or dust filters will be needed.

Filter requirements according to EN779: 2012

Table: Recommended dust filter classes per filter section (definition of filter classes according to EN 779)

Outdoor Air Quality	**Indoor Air Quality**			
	IDA 1 (High)	IDA 2 (Medium)	IDA 3 (Moderate)	IDA 4 (Low)
ODA 1 (pure air)	N/A	F8	F7	F5
ODA 2 (dust)	N/A	F6+F8	F5+F7	F5+F6
ODA 3 (very high concentrations of dust of gases)	N/A	N/A	F5+F7	F5+F6
*) GF = Gas filter (carbon filter) and/or chemical filter				

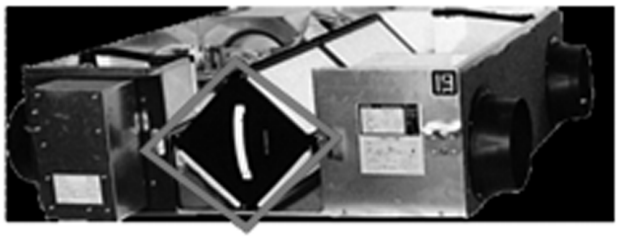
Outdoor air Quality:

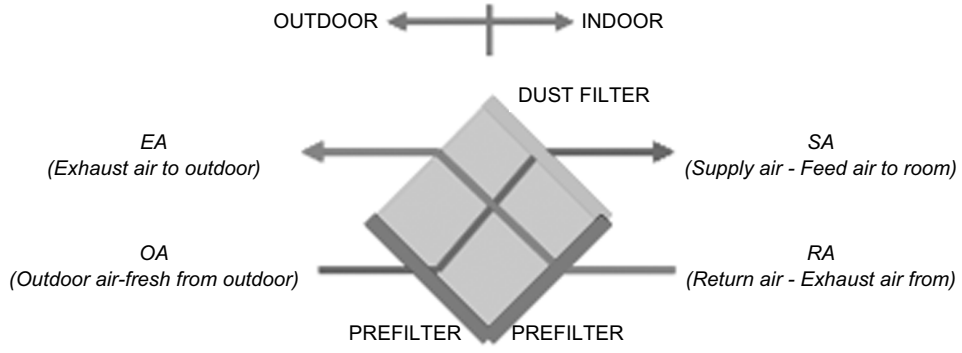
ODA 1 - Pure air
ODA 2 - High concentration particles air
ODA 3 - High concetration gas pollution
ODA 4 - High concentration gas pollution and particles
ODA 5 - Very high concentration gas pollution and particles

Indoor air Quality:

IDA 1 - Optium quality air (hospitals, laboratories, nursery)
IDA 2 - Good quality air (offices, residences, museum,...)
IDA 3 - Medium quality air (commercial buildings, cinema, theatre, room hotels, restaurants, bars, gym, computer room)

On the image below it is indicated where the standard prefilters and optional dust filters are installed. If 2 optional dust filters are used, the second one replaces the standard filter.





NOTE

1 Prefilters are factory mounted, M6, F7 and F8 dust filters are options

10 Air filter characteristics

10 - 1 Air filter characteristics

VAM350-2000FC

1-3 Add up all the pressure drops of the duct system on the installation site and the filters

[For filter characteristics, refer to D-drawings]

unit	airflow (m³/h)	filter pressure drop		
		M6	F7	F8
VAM350F	350	39	52	88
VAM500F	500	65	87	148
VAM650F	650	61	83	140
VAM800F	800	89	121	206
VAM1000F	1000	80	109	185
VAM1500F	1500	79	106	181
VAM2000F	2000	80	109	185

NOTES

1 Table shows values at nominal level, refer to drawings for detailed information

2 Filters according to EN779:2012

3 For more information refer to VAM installation, operation manual or filter manual

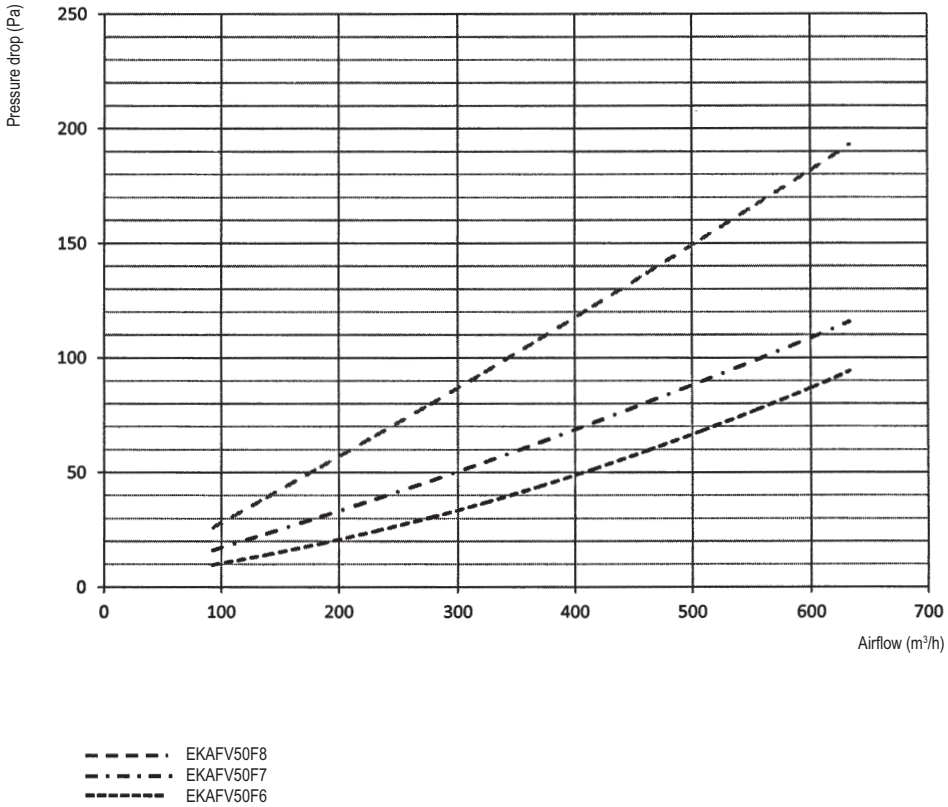
To adjust static pressure after filter placement:

Setting mode	Setting switch No.	Description of setting
19 (29)	2	SA fan speed setting
	3	EA fan speed setting

10 Air filter characteristics

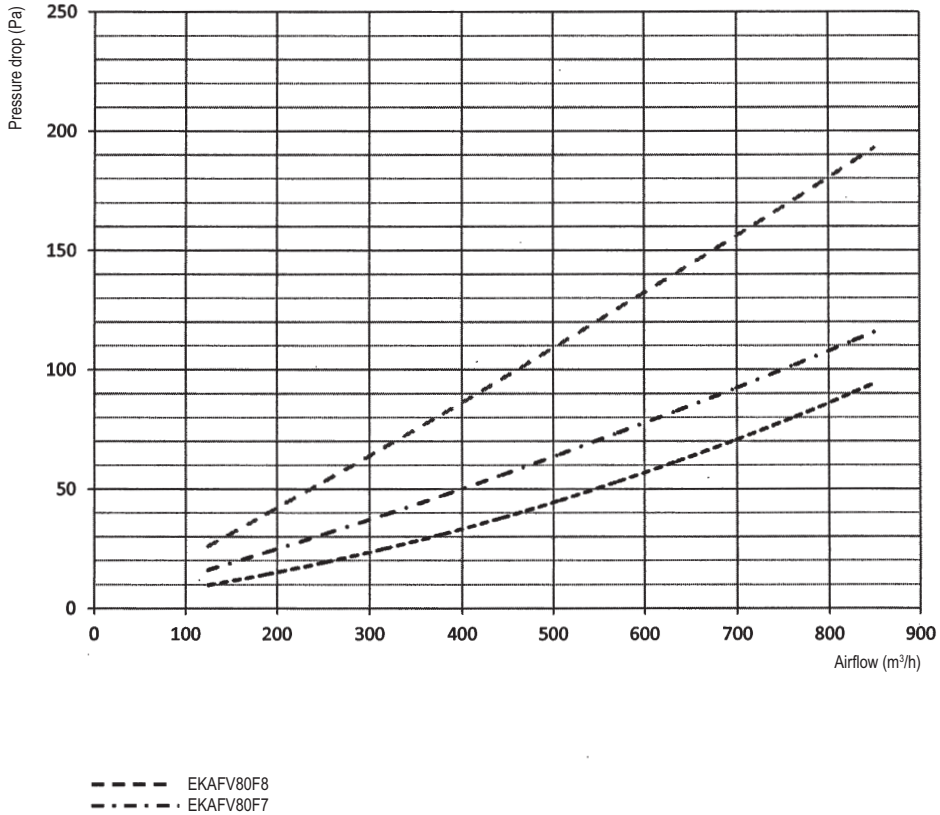
10 - 1 Air filter characteristics

VAM350-500FC



4D082449

VAM650-800FC

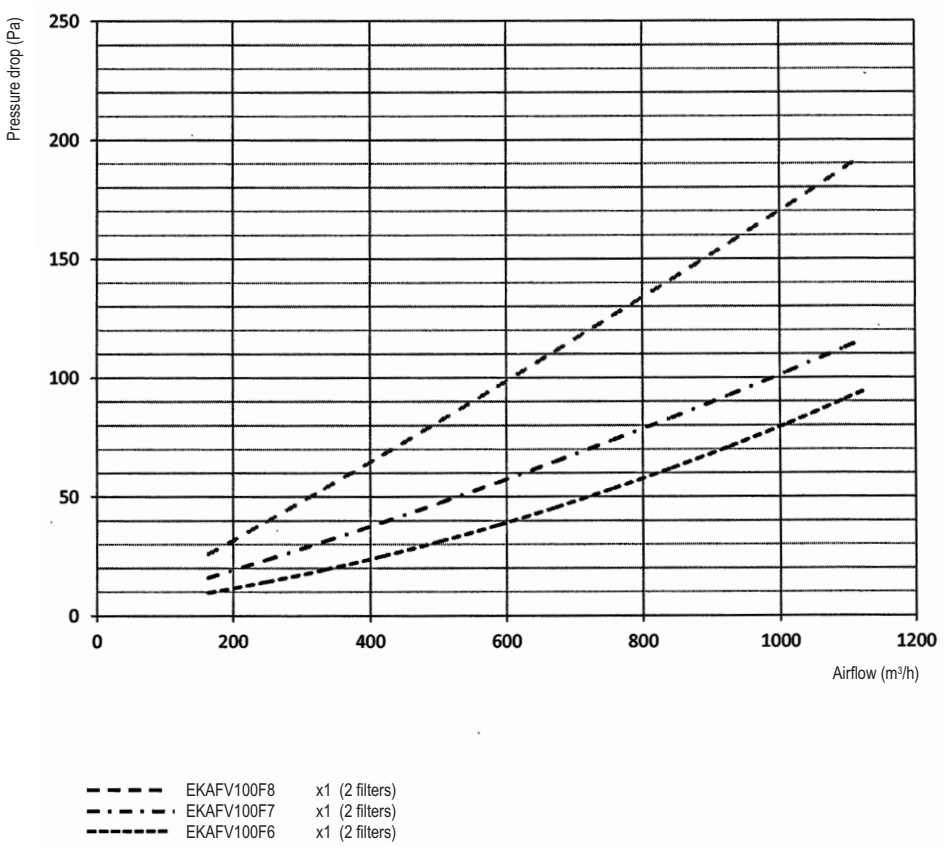


4D082450

10 Air filter characteristics

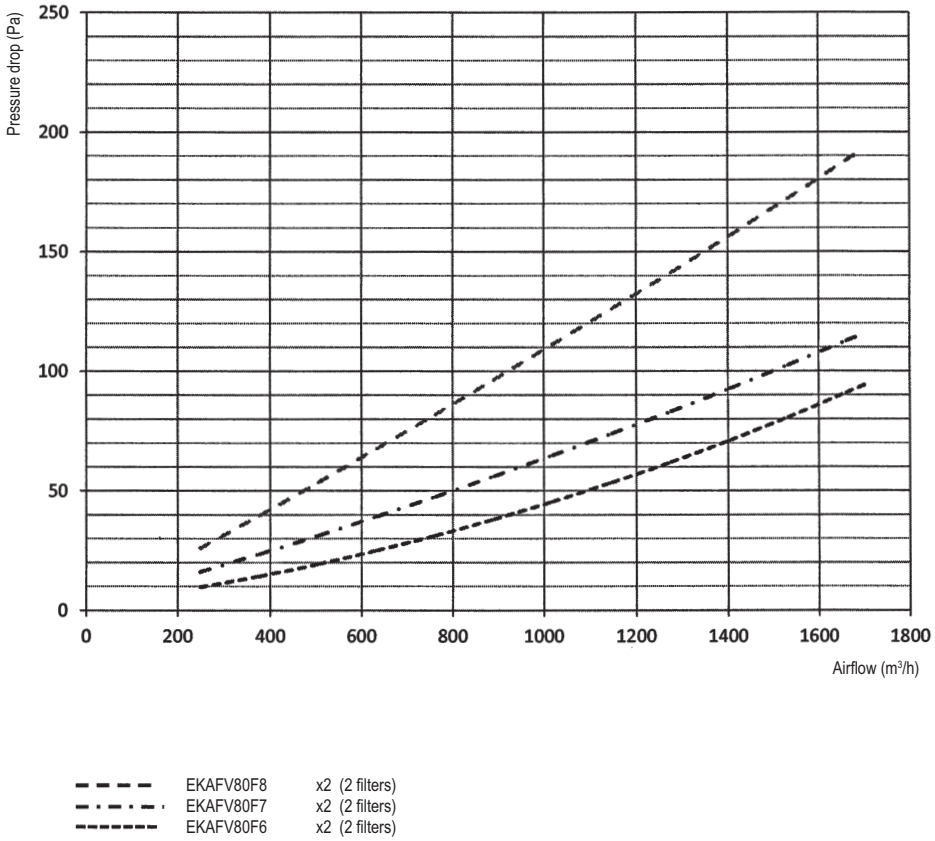
10 - 1 Air filter characteristics

VAM1000FC



4D082451

VAM1500FC

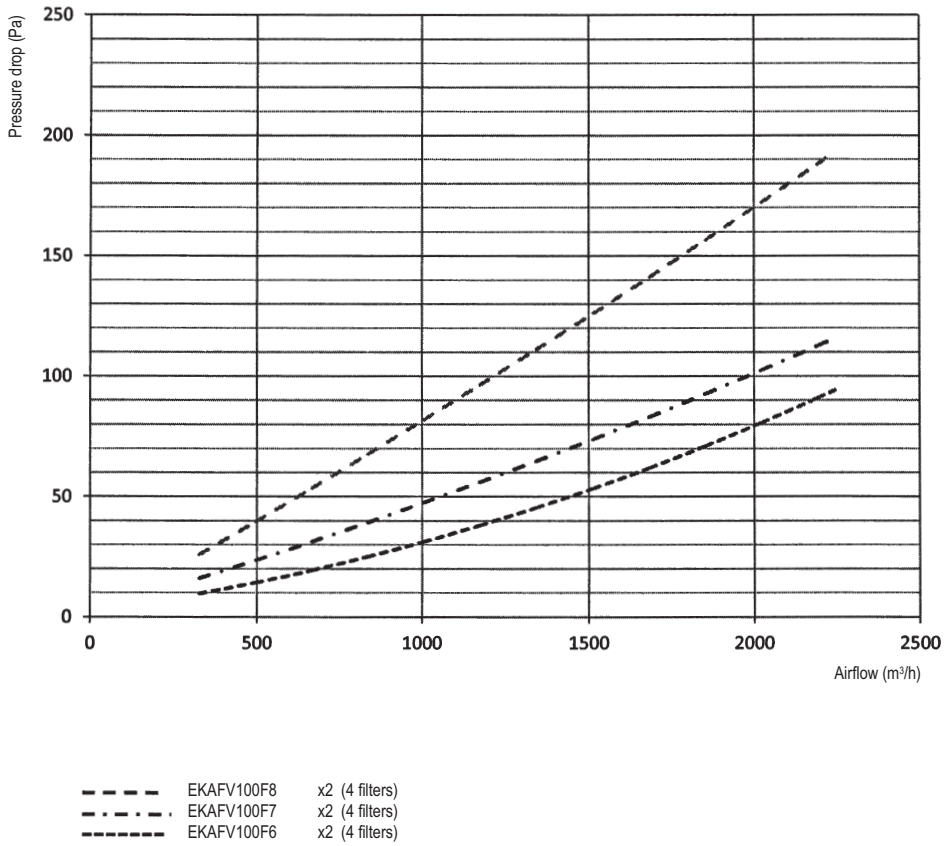


4D082452

10 Air filter characteristics

10 - 1 Air filter characteristics

VAM2000FC

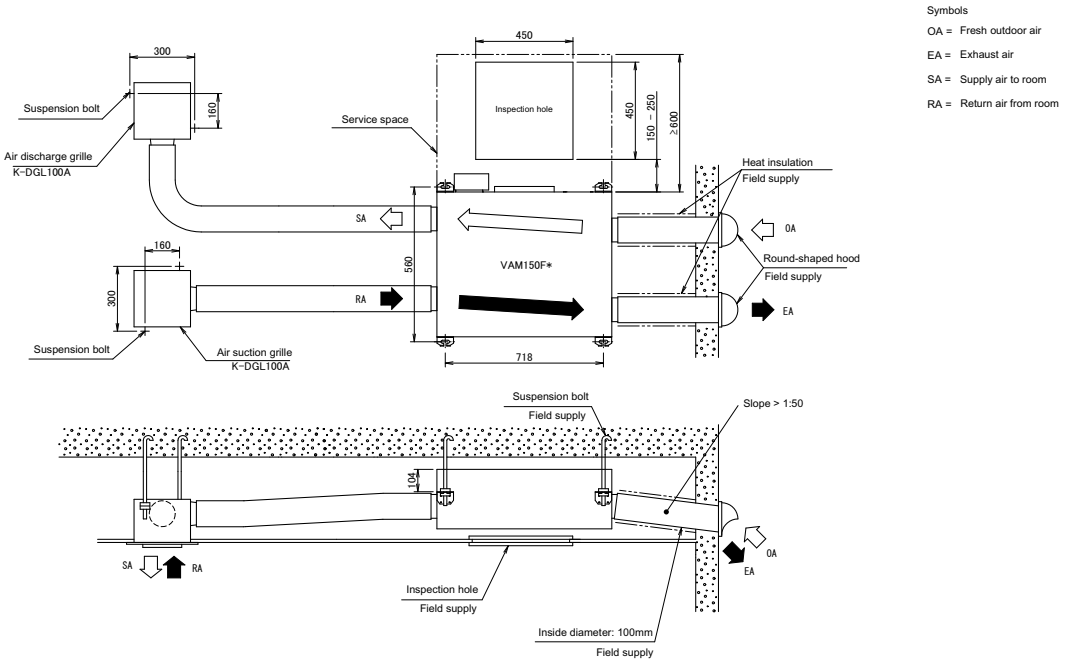


4D082453

11 Installation

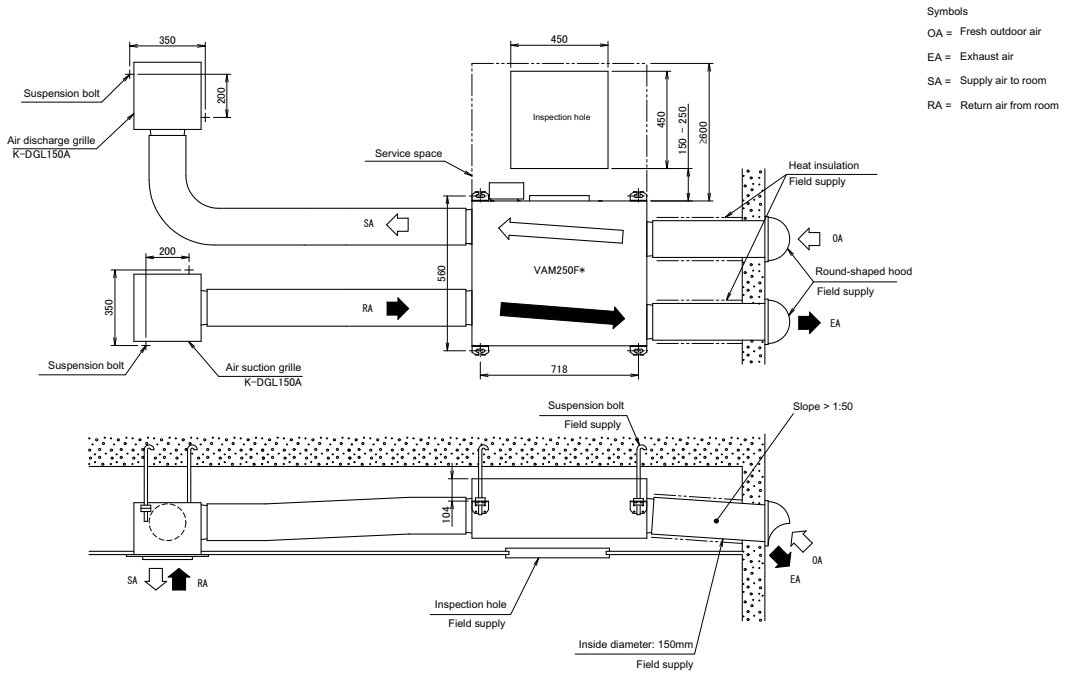
11 - 1 Installation Method

VAM150FC



3D099263

VAM250FC

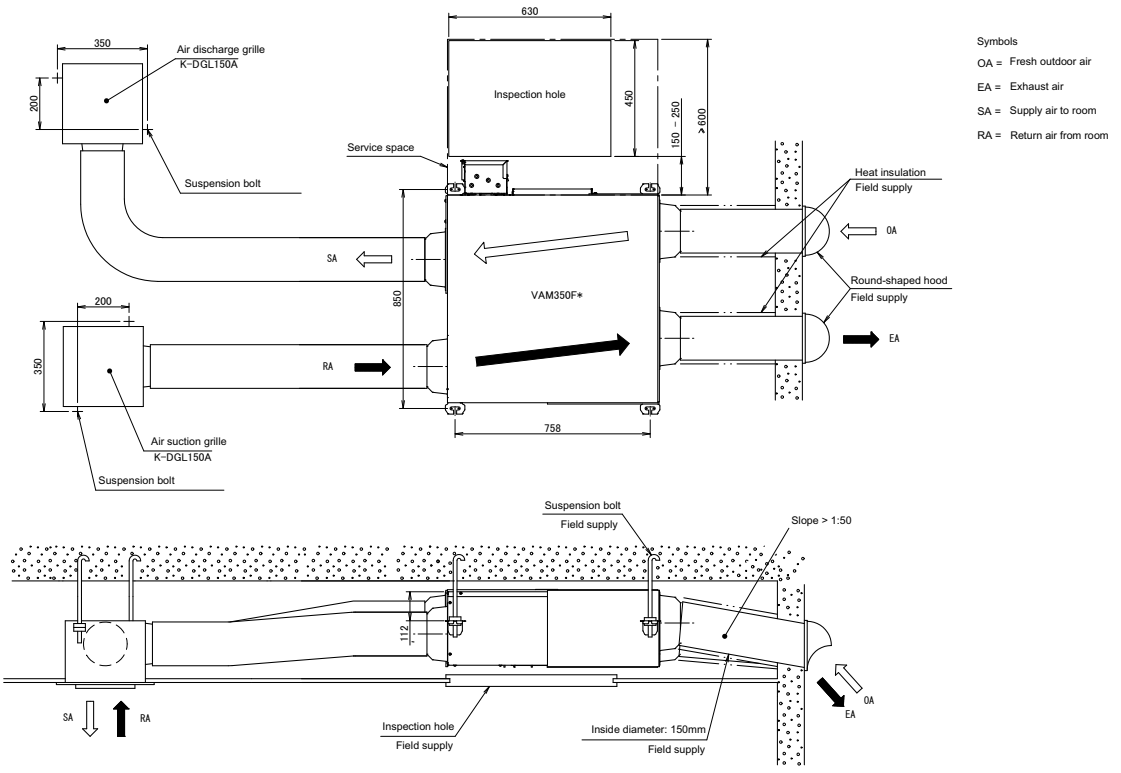


3D099264

11 Installation

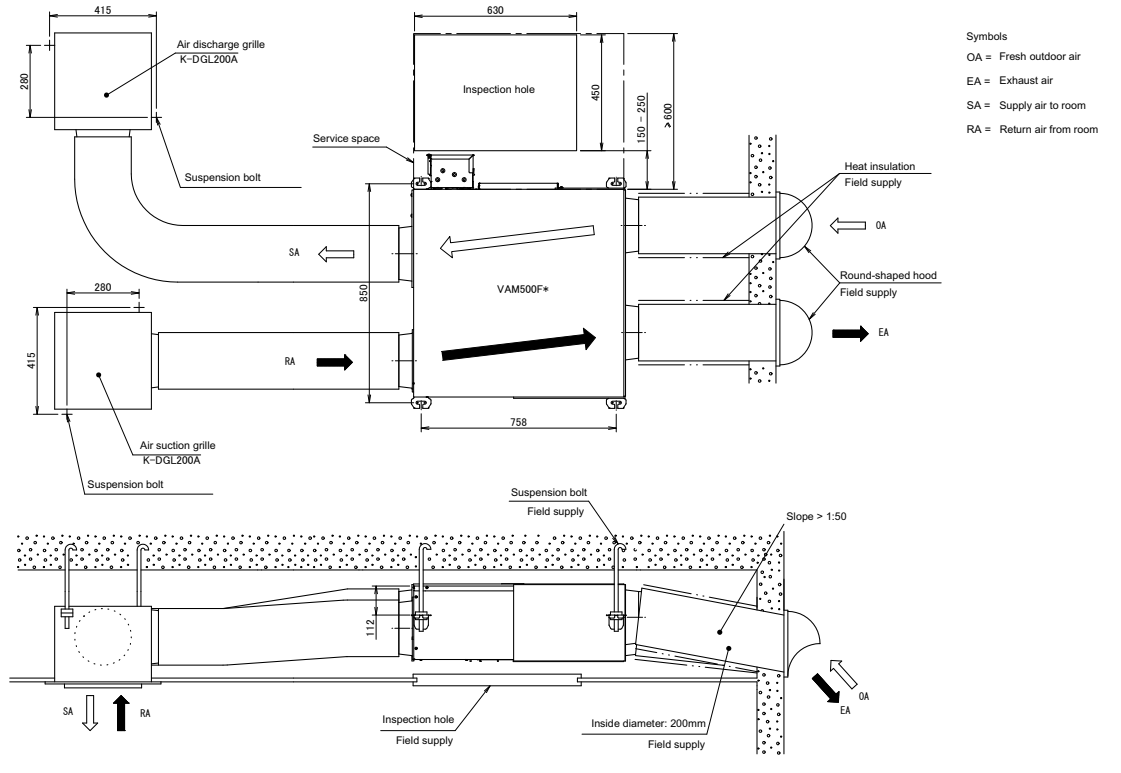
11 - 1 Installation Method

VAM350FC



3D081267A

VAM500FC

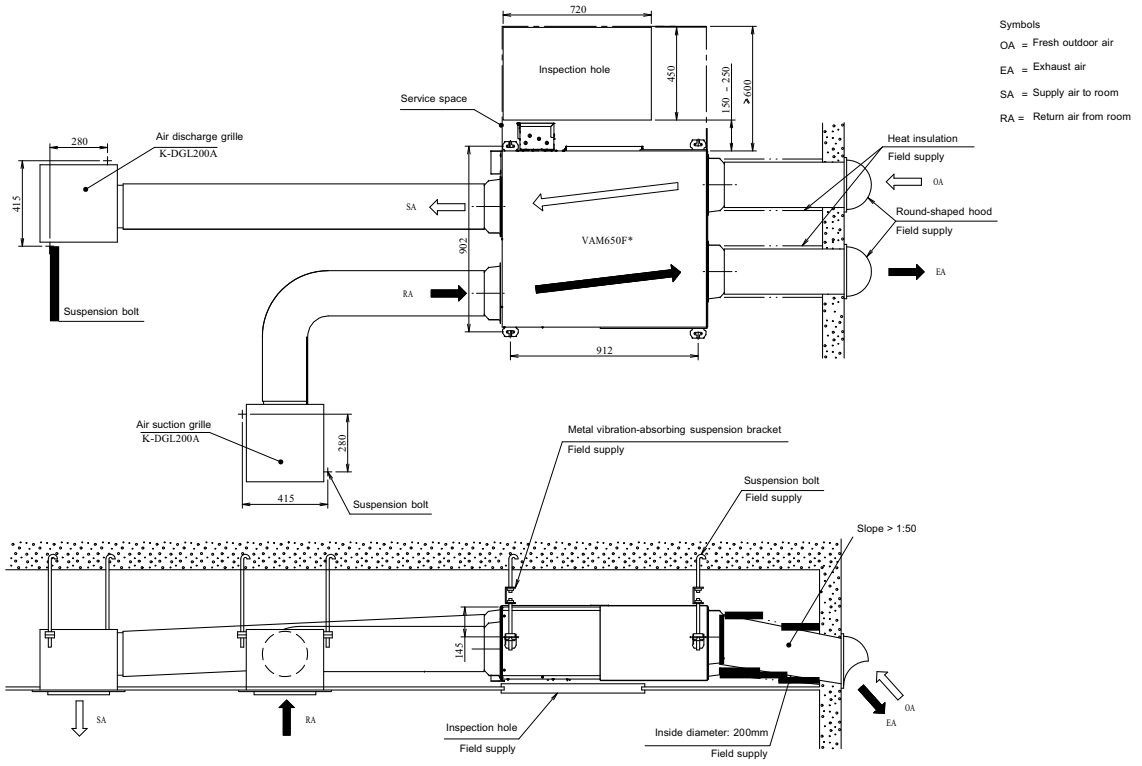


3D081268A

11 Installation

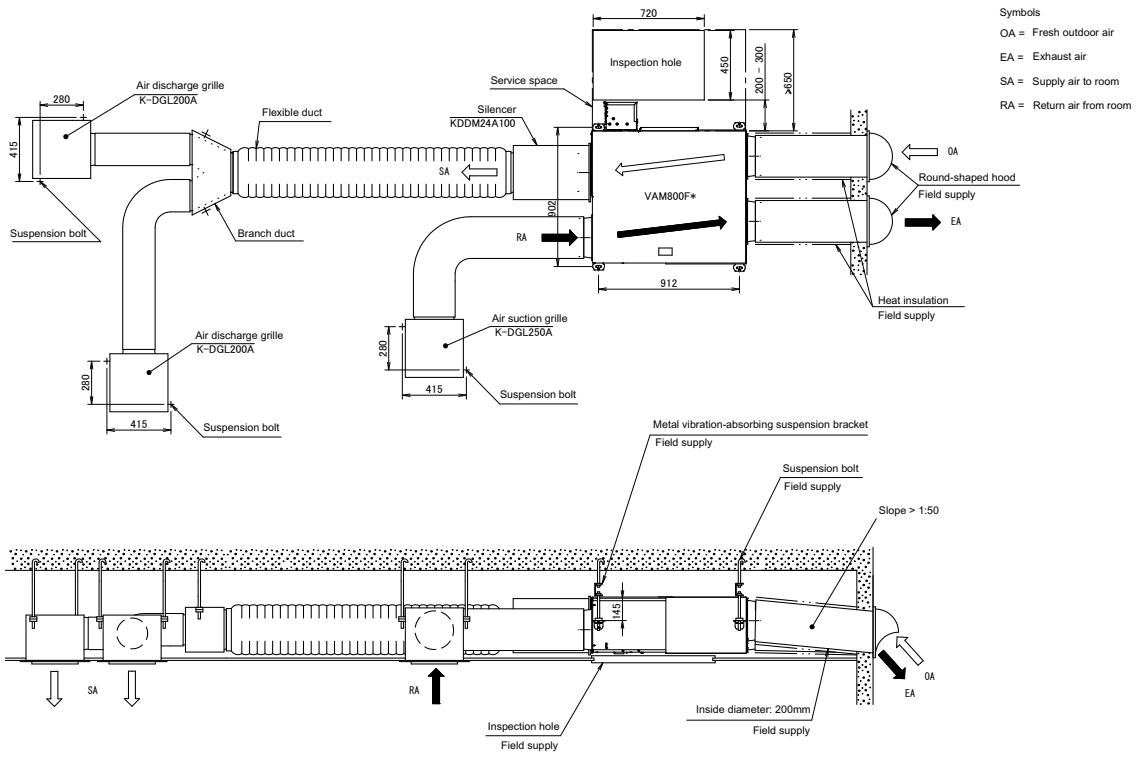
11 - 1 Installation Method

VAM650FC



3D081269A

VAM800FC

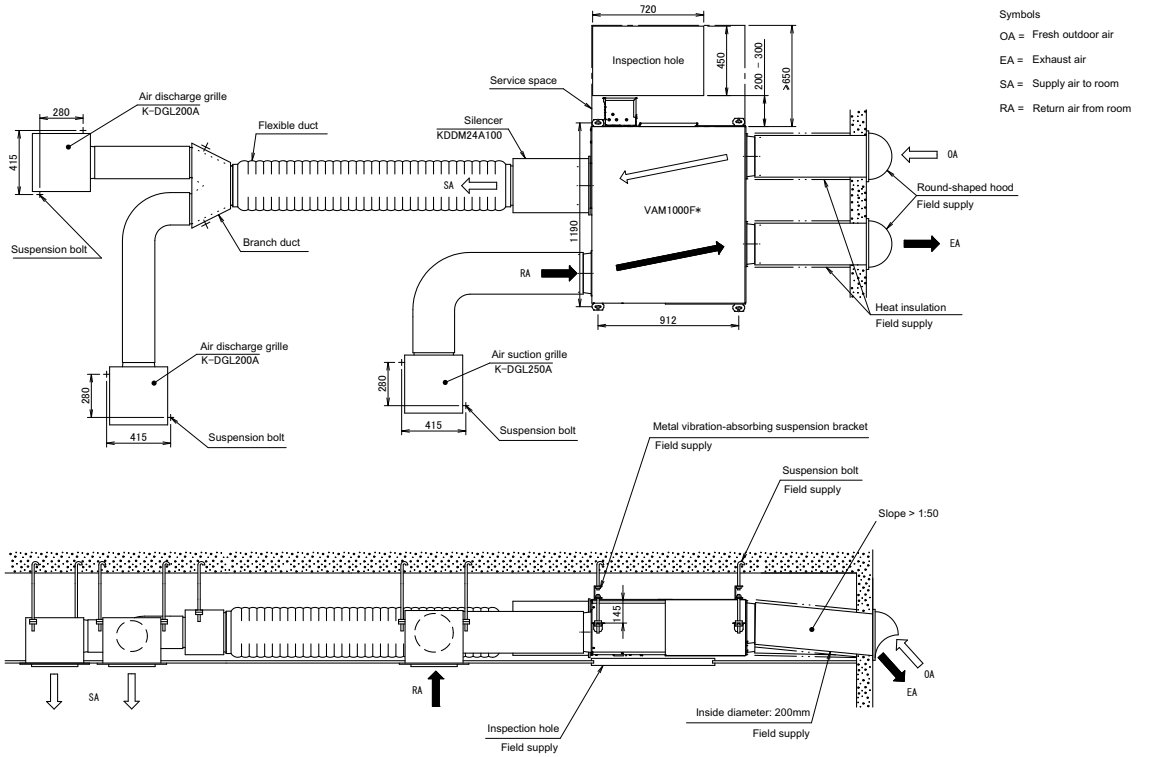


3D081270A

11 Installation

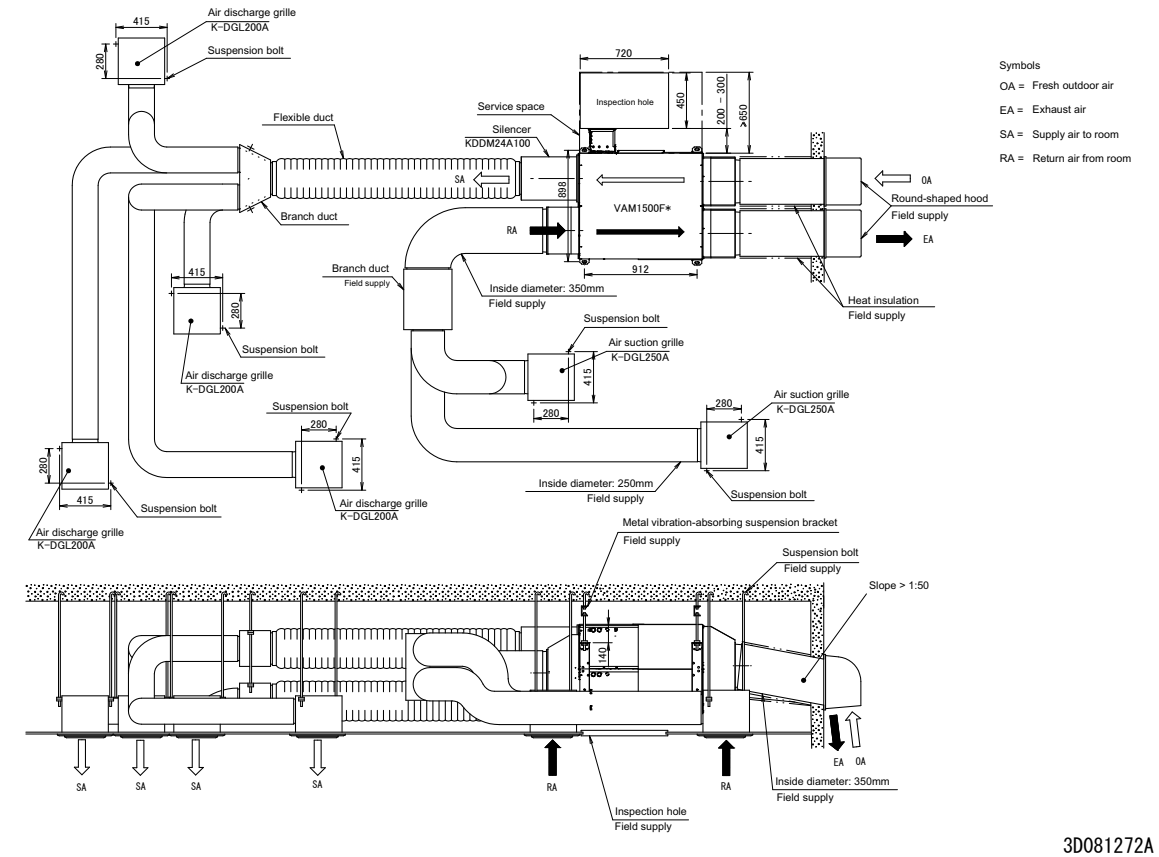
11 - 1 Installation Method

VAM1000FC



3D091271A

VAM1500FC

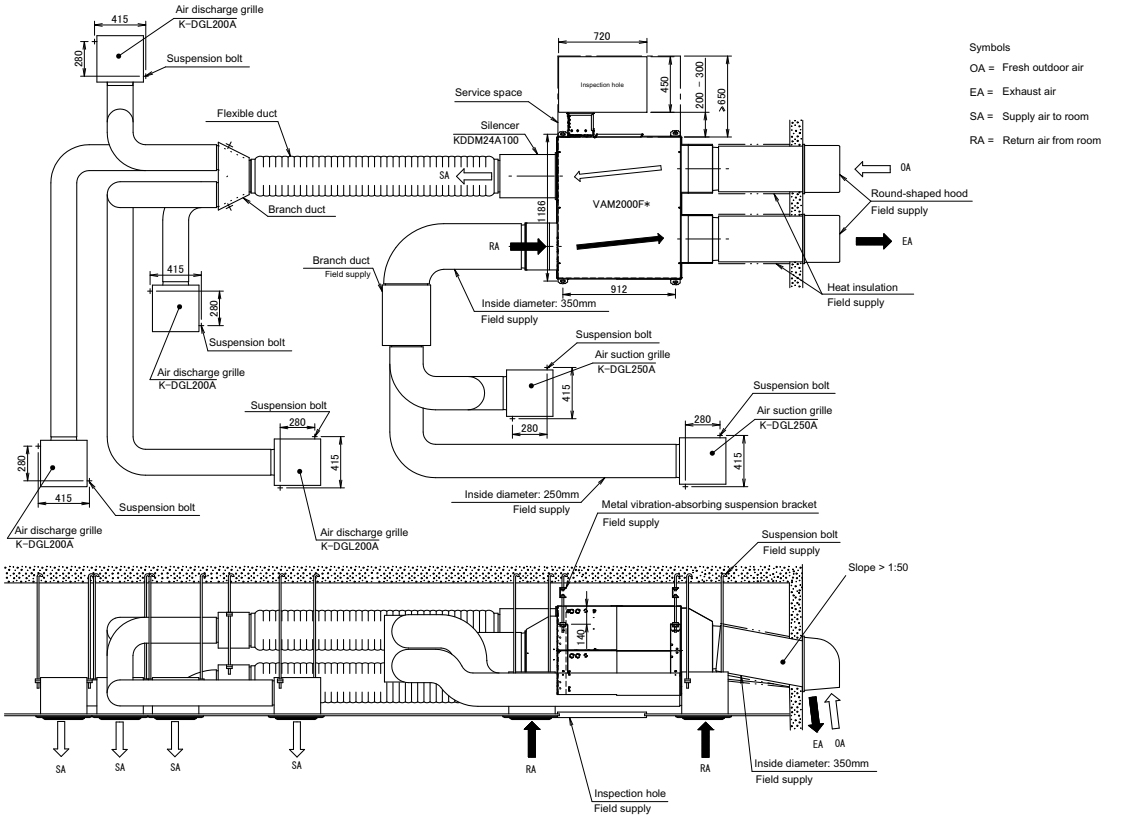


3D081272A

11 Installation

11 - 1 Installation Method

VAM2000FC



These products are not within the scope of the Eurovent certification program

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