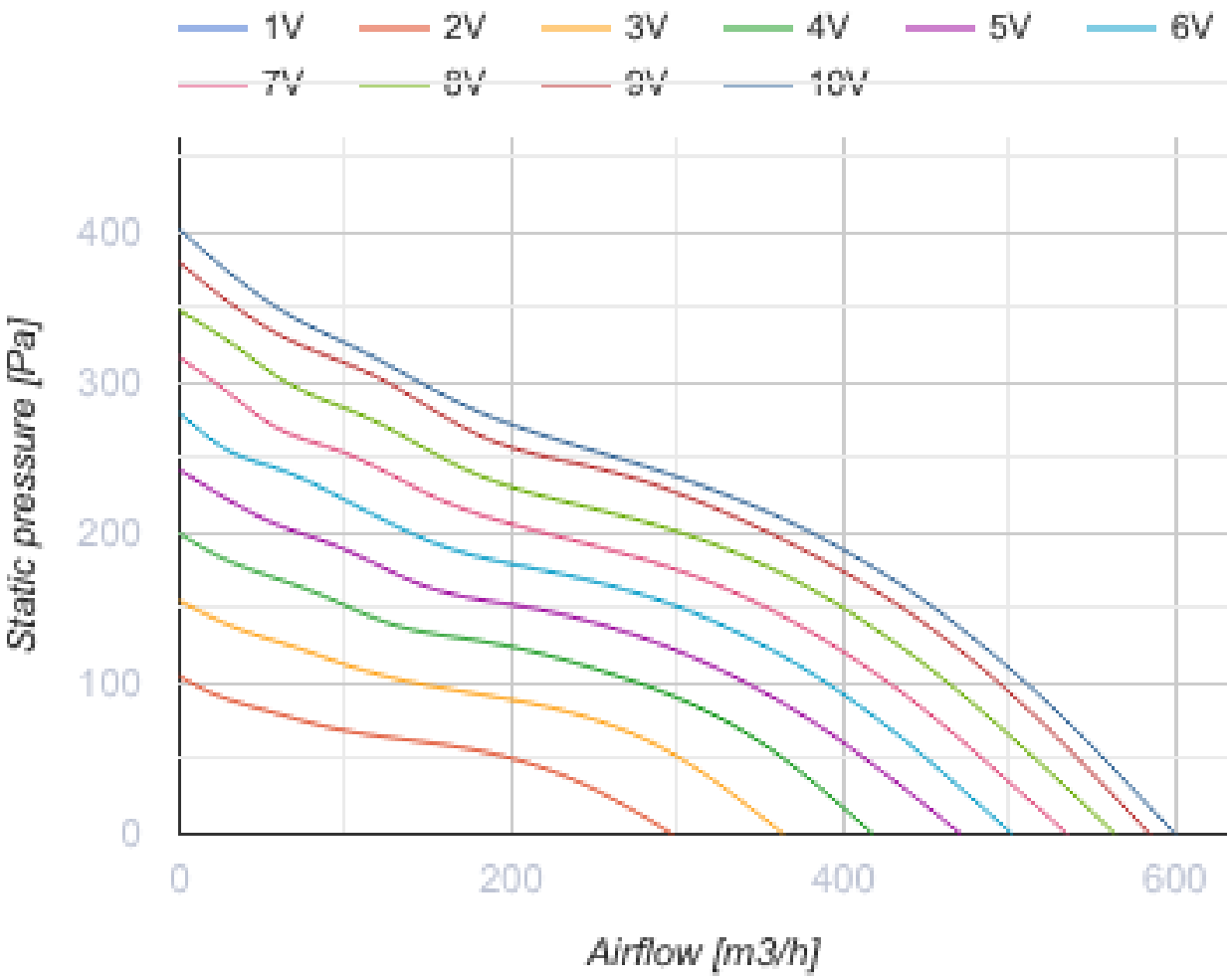
TT Silent-M 160 EC R1

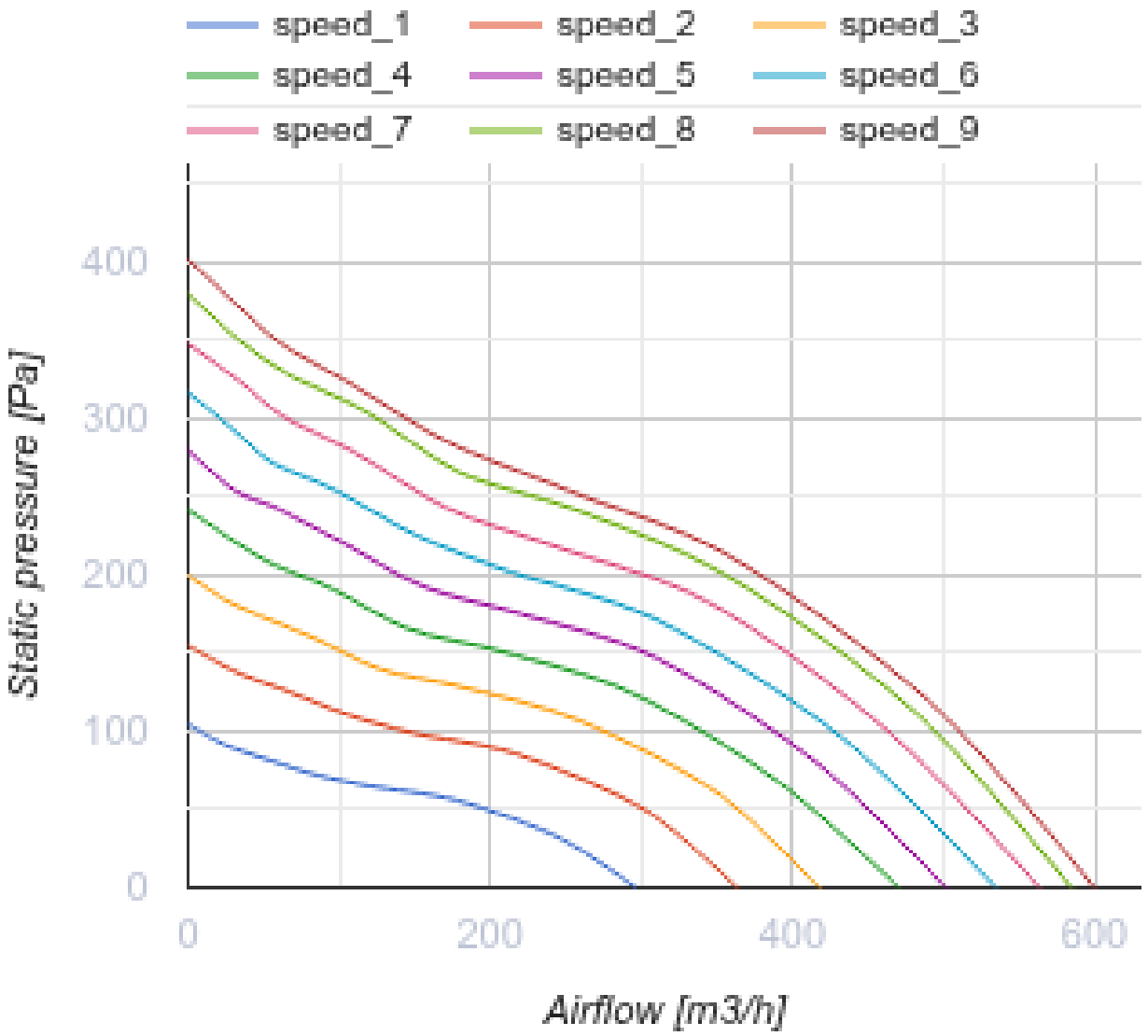


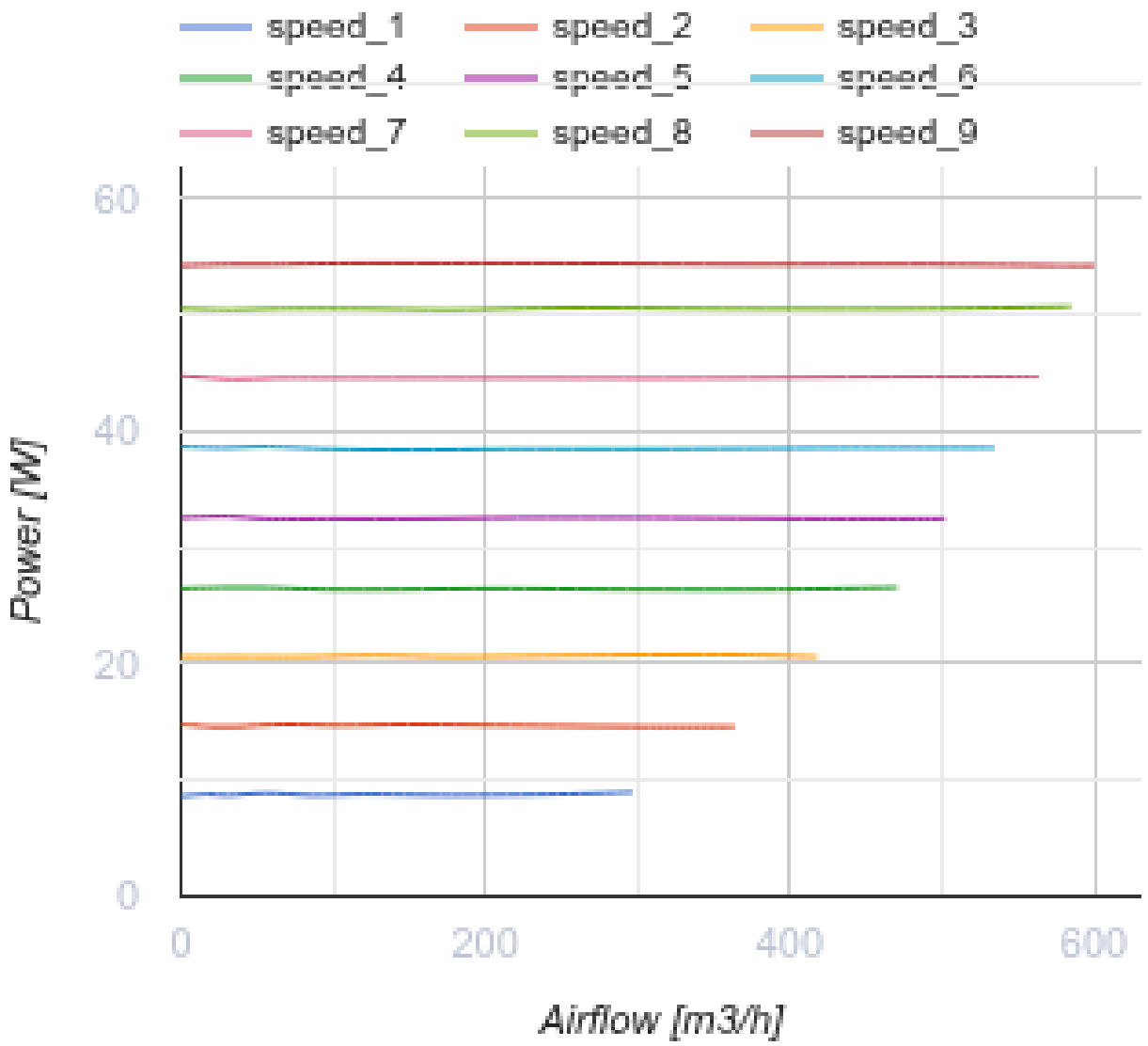
Mixed-flow inline fans in sound-insulated casing with EC-motors

- Sound pressure level LpA at 3 m: 38
- Sound-insulated casing
- Impeller type: Mixed-flow
- Casing material: Coated steel
- Installation in any position
- Cable with mains plug

	Unit of measurement	TT Silent-M 160 EC R1
Connected air duct size	mm	160
Phases	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Rated power	W	55
Unit current	A	0.48
Maximum airflow	m^3/h	600
Rotation speed at 50hz	-	3390
Sound pressure level LpA at 3 m	dB(A)	38
Weight	kg	6
Transported air temperature (max)	°C	55
Transported air temperature (min)	°C	-25
Ingress protection rating	-	IPX4
Impeller material	-	Plastic


1V
2V
3V
4V
5V
6V
7V
8V
9V
10V
Static pressure [Pa]
400
300
200
100
0
0
200
400
600
Airflow [m3/h]


speed_1
speed_2
speed_3
speed_4
speed_5
speed_6
speed_7
speed_8
speed_9
400
300
200
100
0
Static pressure [Pa]
0
200
400
600
Airflow [m3/h]


speed_1
speed_2
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speed_4
speed_5
speed_6
speed_7
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60
40
20
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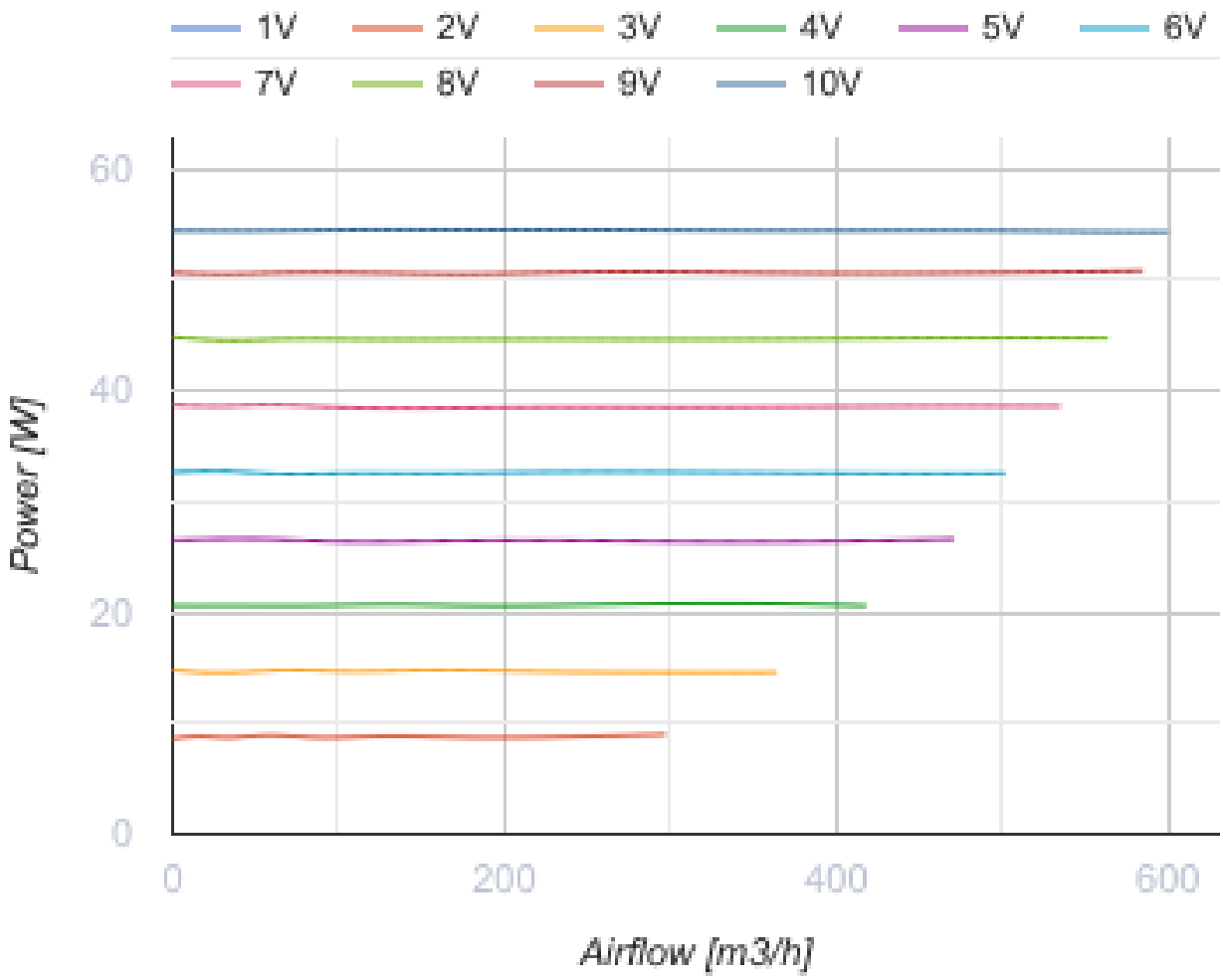
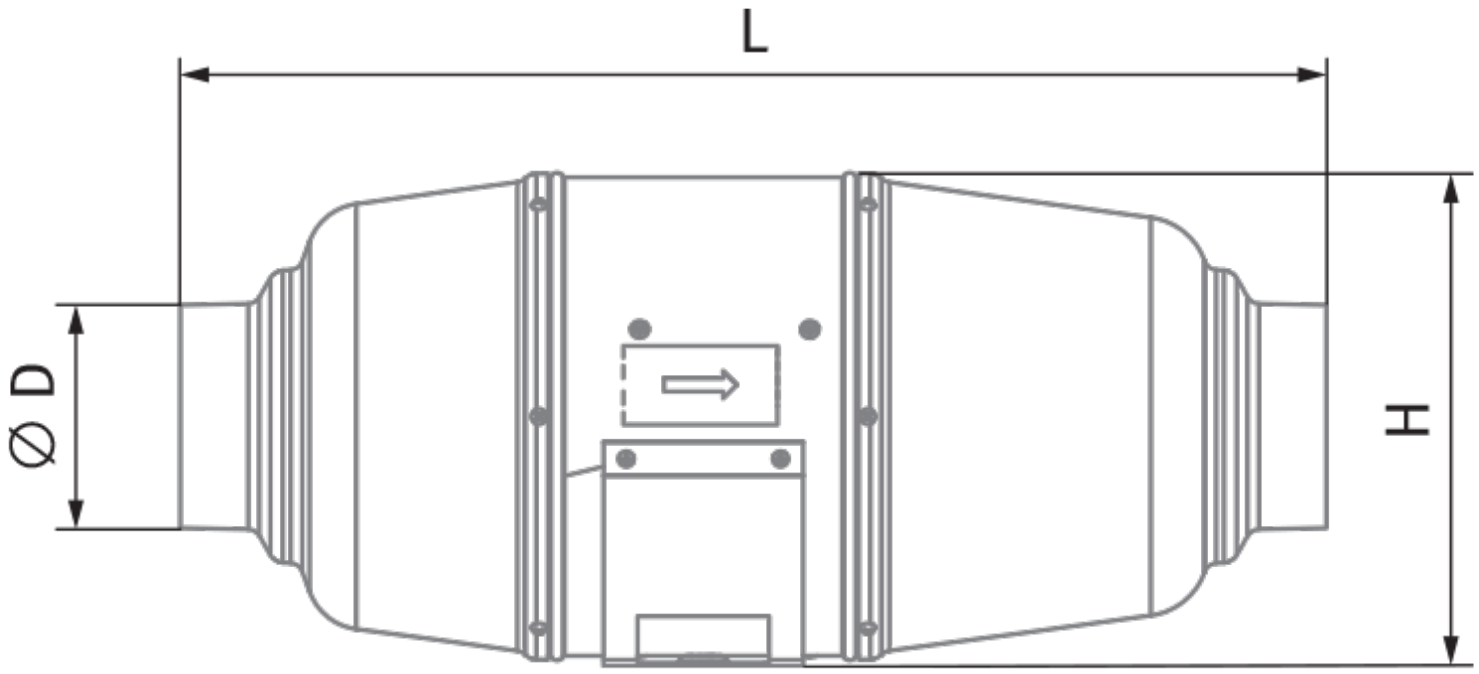
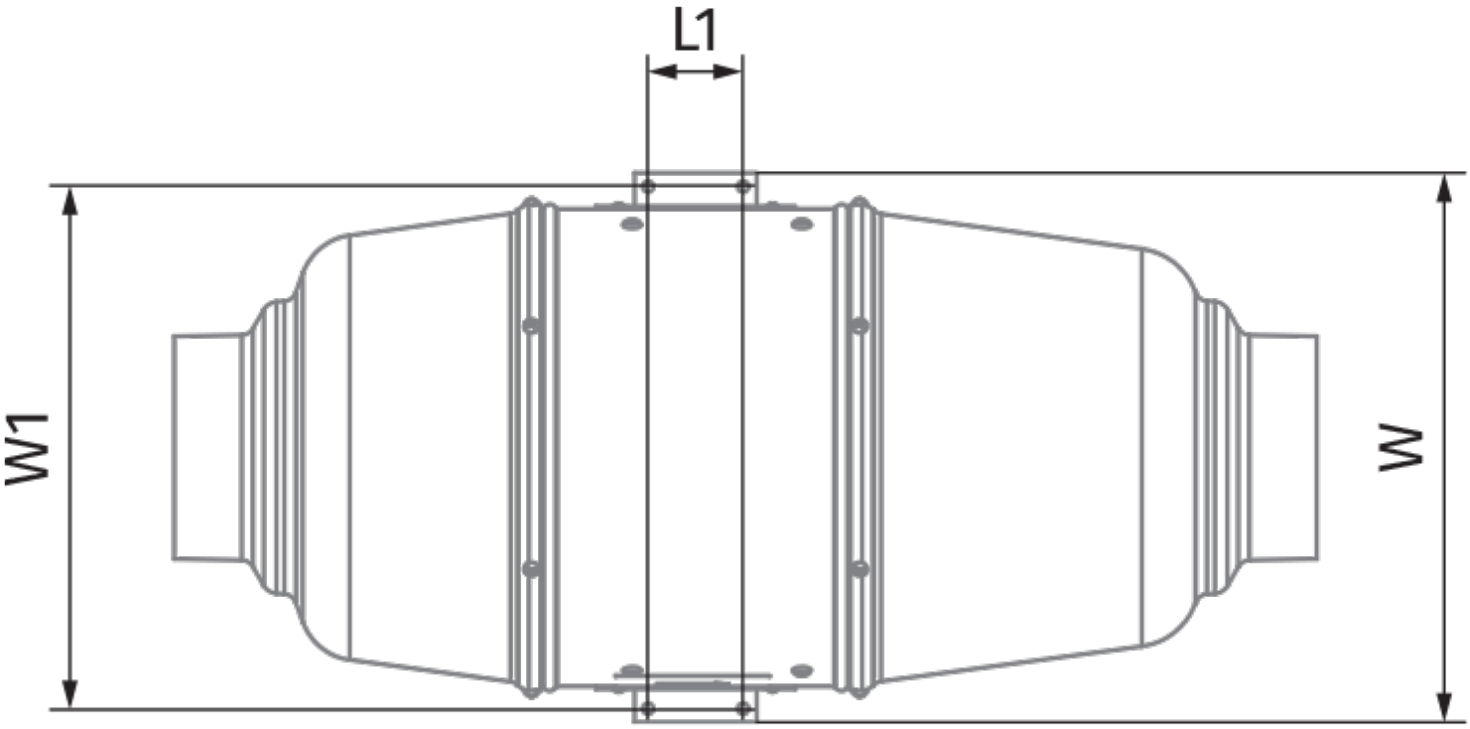
Power [W]
0
200
400
600
Airflow [m3/h]



Dimensions

ØD	H	L	L1	W	W1
157	263	580	44	273	231


L
∅ D
H



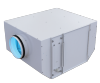
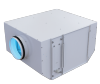
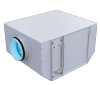
Accessories

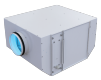
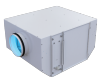
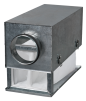
For round ducts

Name	Photo	Description

SR 160/600		Silencers made of galvanized steel filled with non-combustible sound-absorbing material
SR 160/900		Silencers made of galvanized steel filled with non-combustible sound-absorbing material
SR 160/1200		Silencers made of galvanized steel filled with non-combustible sound-absorbing material
SRF 160/2000		Silencers made of aluminium alloy filled with non-combustible sound-absorbing material
SRP 160/500		Silencers with an internal flexible air duct made of micro-perforated aluminium foil laminated with polyester film
SRP 160/600		Silencers with an internal flexible air duct made of micro-perforated aluminium foil laminated with polyester film
SRP 160/750		Silencers with an internal flexible air duct made of micro-perforated aluminium foil laminated with polyester film
SRP 160/900		Silencers with an internal flexible air duct made of micro-perforated aluminium foil laminated with polyester film
SRP 160/1200		Silencers with an internal flexible air duct made of micro-perforated aluminium foil laminated with polyester film
SRP 160/1500		Silencers with an internal flexible air duct made of micro-perforated aluminium foil laminated with polyester film
SRP 160/2000		Silencers with an internal flexible air duct made of micro-perforated aluminium foil laminated with polyester film

For round ducts

Name	Photo	Description
FB K2 160 G4/F8 UV		Filter boxes with a high purification level and air disinfection
FB K2 160 G4/C/F8 UV		Filter boxes with a high purification level and air disinfection
FB K2 160 G4/H13 UV		Filter boxes with a high purification level and air disinfection

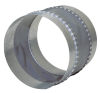
FB K2 160 G4/C/H13 UV		Filter boxes with a high purification level and air disinfection
FB K2 160 UV		Filter boxes with a high purification level and air disinfection
FB 160		Round panel air filters
FBV 160		Round panel air filters with a large filtration area
FBK 160-4		Round bag air filters
FBK 160-5		Round bag air filters
FBK 160-7		Round bag air filters

For round ducts

Name	Photo	Description
KOM 160		Backdraught damper with spring-loaded plates for shutting off air flow in round air ducts
KOMu 160		Backdraught damper with spring-loaded plates for shutting off air flow in round air ducts
KOM1 160		Backdraught gravity damper for shutting off air flow in round air ducts
KR 160		Air dampers for controlling air flow in round air ducts
KRV 160		Air dampers for automatic air flow control in round ducts

For round ducts

Name	Photo	Description

VVG 160		Flexible anti-vibration inserts for round ducts

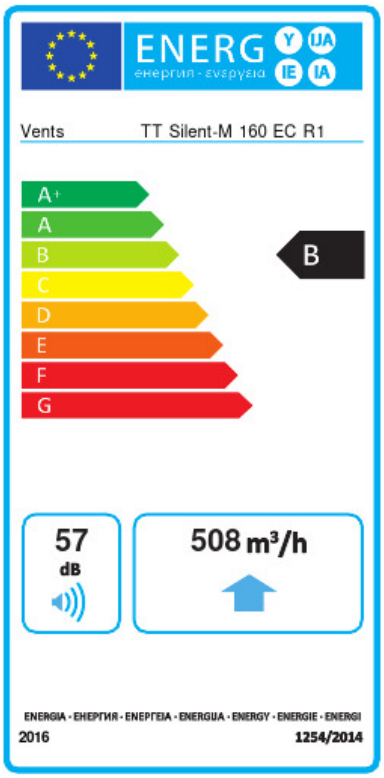
Water heaters

Name	Photo	Description
NKV 160-2		Inline water supply air heaters or heater for air handling units with a round cross-section
NKV 160-4		Inline water supply air heaters or heater for air handling units with a round cross-section

Electrical heaters

Name	Photo	Description
NK 160-1,2-1		Round electric inline heaters with round cross-section
NK 160-1,7-1		Round electric inline heaters with round cross-section
NK 160-2,0-1		Round electric inline heaters with round cross-section
NK 160-2,4-1		Round electric inline heaters with round cross-section
NK 160-3,4-1		Round electric inline heaters with round cross-section
NK 160-3,6-3		Round electric inline heaters with round cross-section
NK 160-5,1-3		Round electric inline heaters with round cross-section
NK 160-6,0-3		Round electric inline heaters with round cross-section

Ecodesign



Trademark	Vents					
Model	TT Silent-M 160 EC R1					
Specific energy consumption (SEC) (kWh/(m²/a))	Cold		Average		Warm	
	-54.6	A+	-27.5	B	-12	E
Type of ventilation unit	Unidirectional					
Type of drive installed	Variable speed					
Type of heat recovery system	None					
Maximum flow rate (m³/h)	508					
Electric power input (W)	54.3					
Reference flow rate (m³/s)	0.099					
Reference pressure difference (Pa)	50					
Specific power input (SPI) (W/(m³/h))	0.058					
Control typology	Local demand control					
Maximum external leakage rates (%)	2.7					
Declared typology	RVU UVU					
Sound power level (dB(A))	57					
The annual electricity consumption (AEC) (kWh/a)	Cold		Average		Warm	
	31		31		31	
The annual heating saved (AHS) (kWh/a)	Cold		Average		Warm	
	5536		2830		1280	