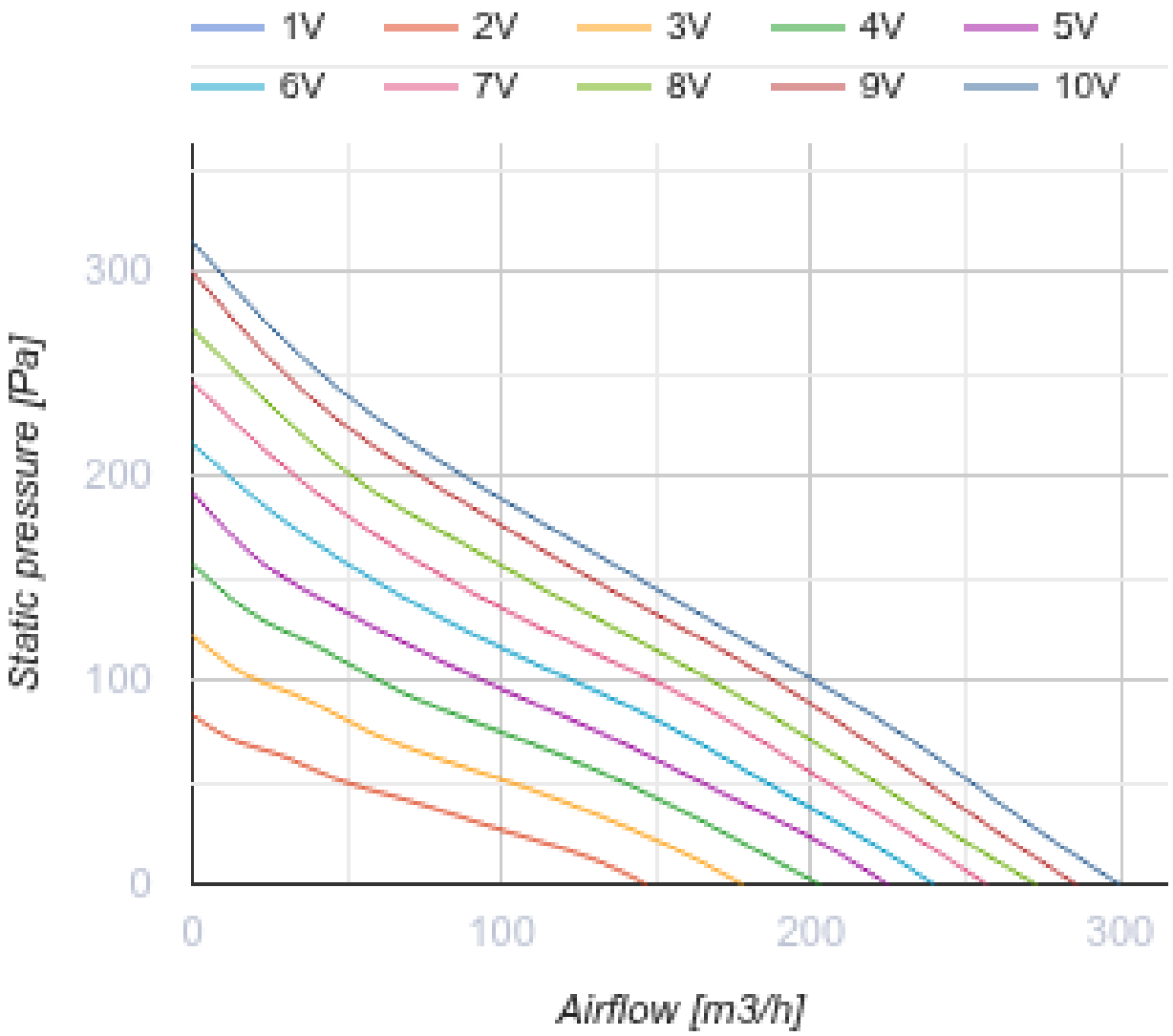
TT Silent-M 100 EC Un

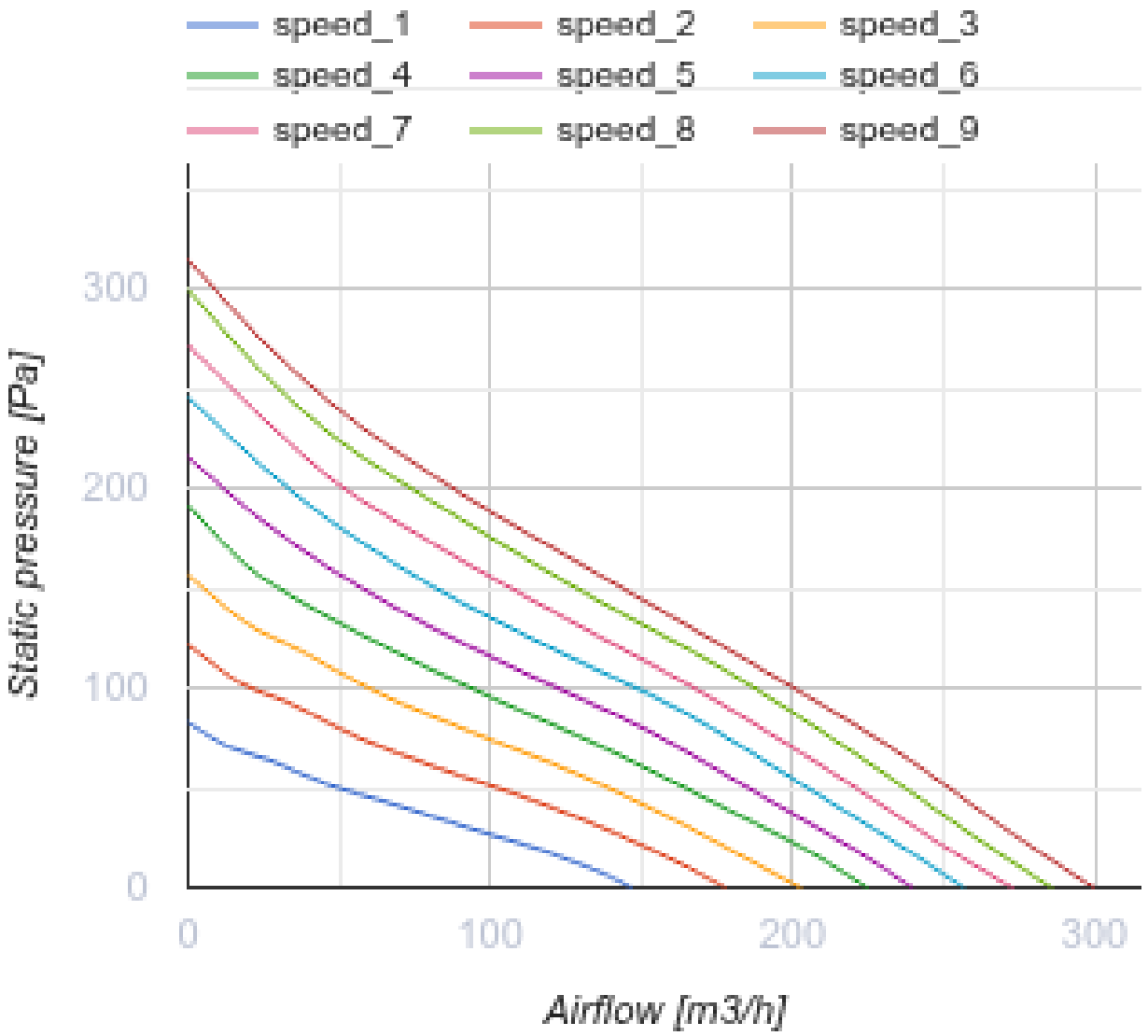


Mixed-flow inline fans in sound-insulated casing with EC-motors

- Sound pressure level LpA at 3 m: 28
- Sound-insulated casing
- Control: Built-in speed controller
- Impeller type: Mixed-flow
- Casing material: Coated steel
- Installation in any position
- Cable with mains plug
- Temperature sensor

	Unit of measurement	TT Silent-M 100 EC Un
Connected air duct size	mm	100
Phases	-	1
Maximum supply voltage	V	230
Minimum supply voltage	V	230
Power supply frequency	Hz	50/60
Rated power	W	17
Unit current	A	0.18
Maximum airflow	m^3/h	260
Rotation speed at 50hz	-	2892
Sound pressure level LpA at 3 m	dB(A)	28
Weight	kg	4.9
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
300
200
100
0
Static pressure [Pa]
0
100
200
300
Airflow [m3/h]


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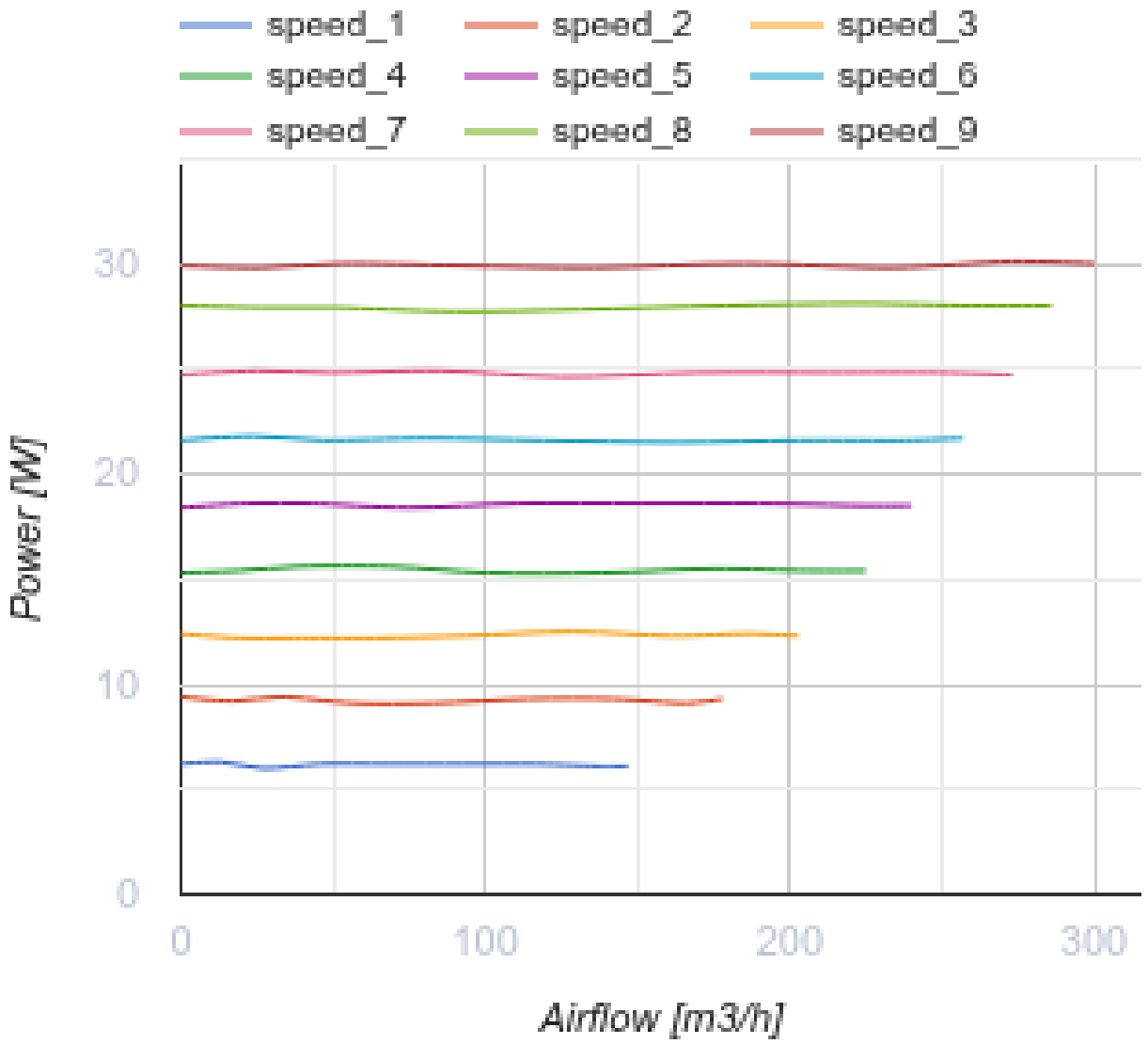
Static pressure [Pa]
0
100
200
300
Airflow [m3/h]


speed_1
speed_2
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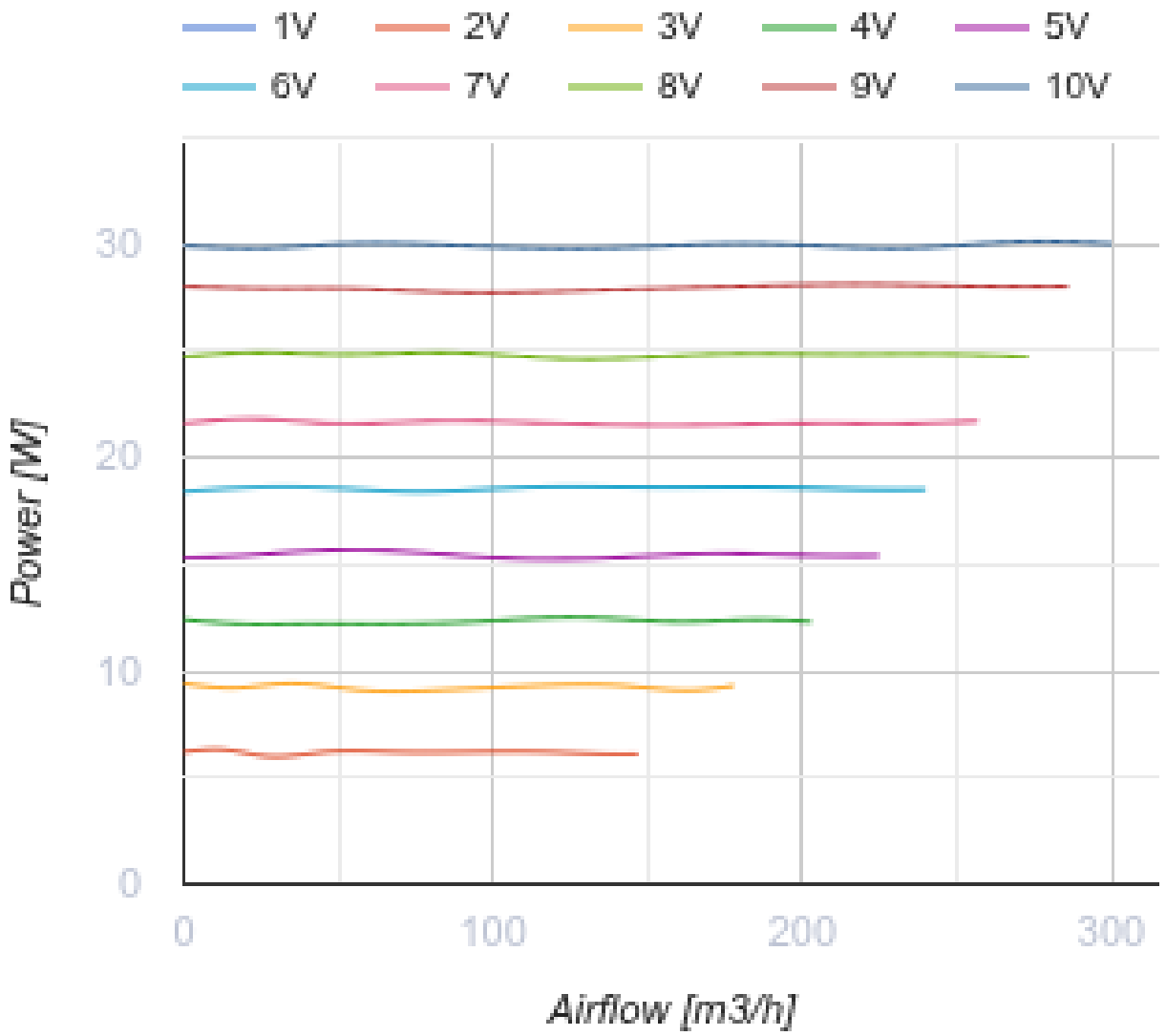
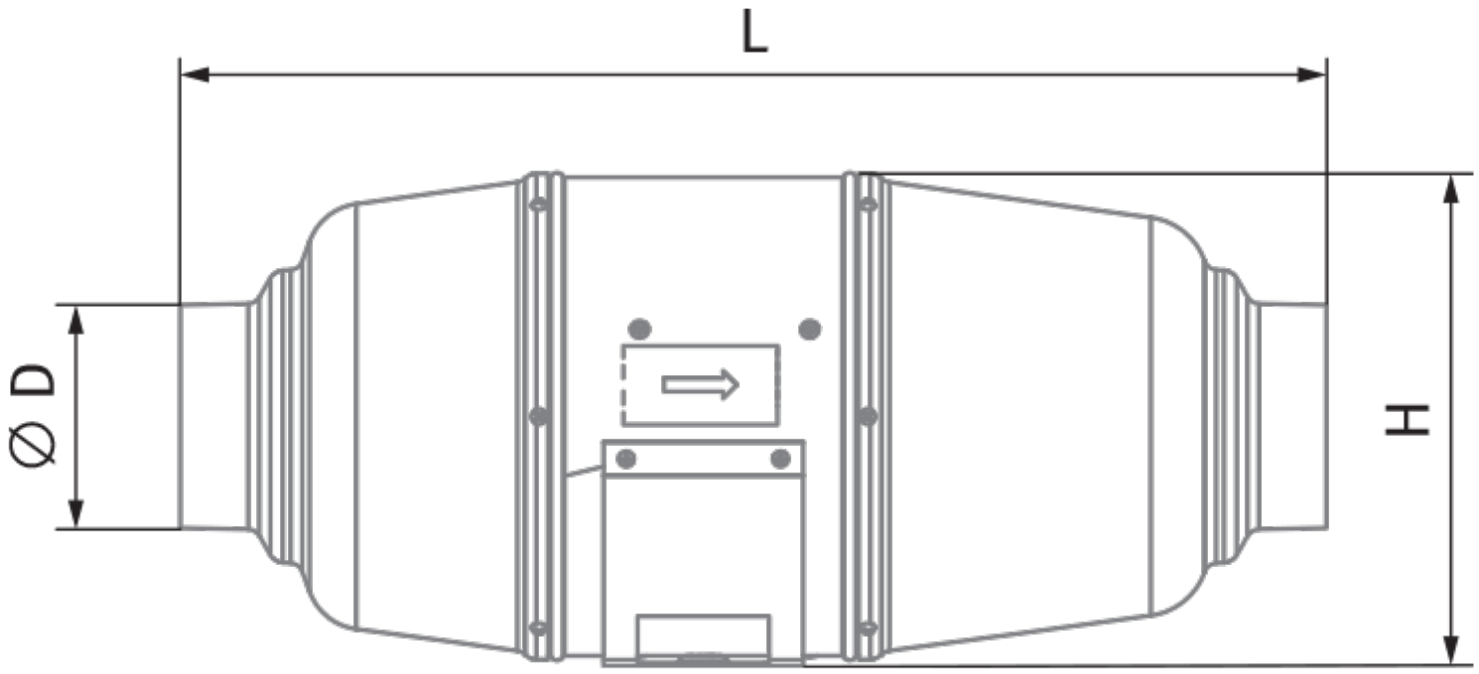
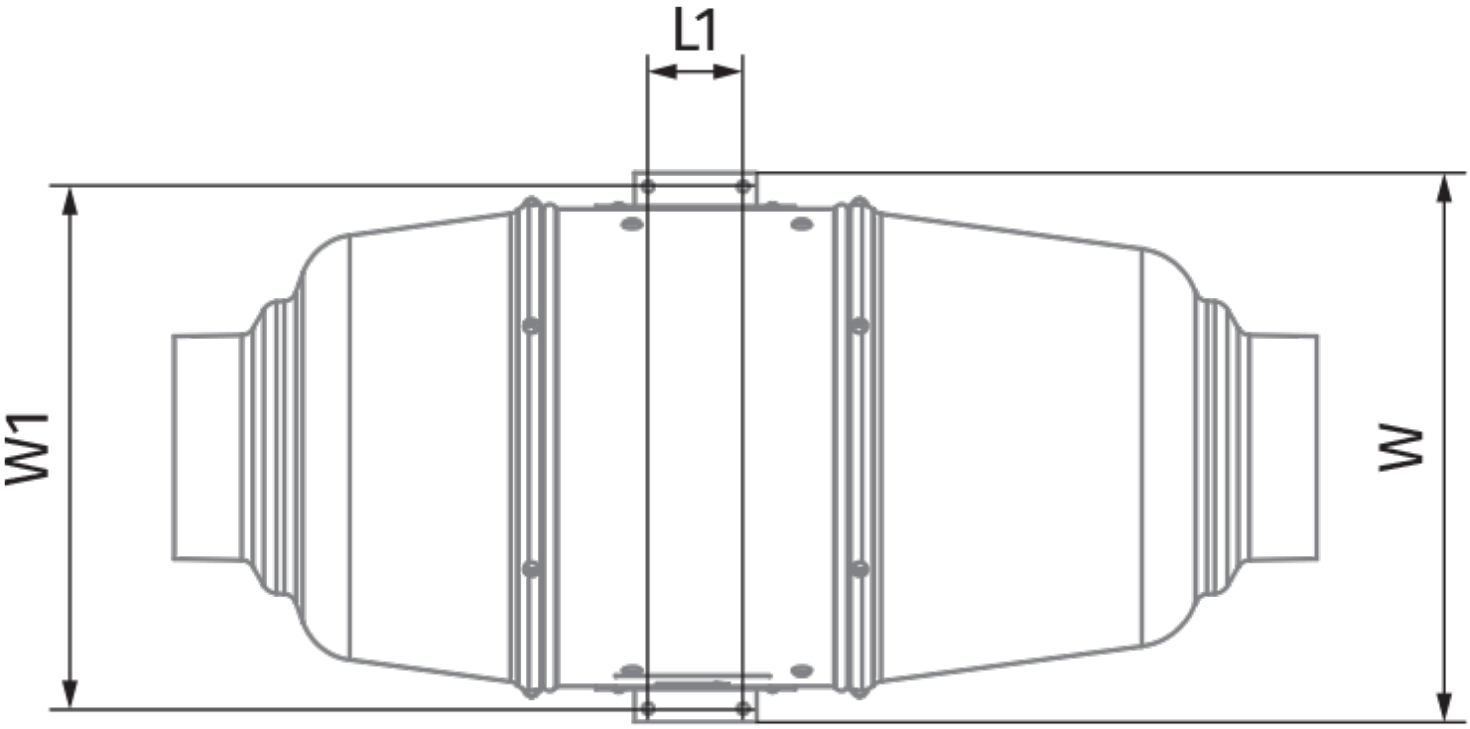
speed_4
speed_5
speed_6
speed_7
speed_8
speed_9
30
20
10
0
Power [W]
0
100
200
300
Airflow [m3/h]



Dimensions

ØD	H	L	L1	W	W1
98	220	505	42	243	231


L
∅ D
H



Accessories

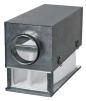
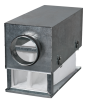
For round ducts

Name	Photo	Description

SR 100/600		Silencers made of galvanized steel filled with non-combustible sound-absorbing material
SR 100/900		Silencers made of galvanized steel filled with non-combustible sound-absorbing material
SR 100/1200		Silencers made of galvanized steel filled with non-combustible sound-absorbing material
SRF 100/600		Silencers made of aluminium alloy filled with non-combustible sound-absorbing material
SRF 100/900		Silencers made of aluminium alloy filled with non-combustible sound-absorbing material
SRP 100/500		Silencers with an internal flexible air duct made of micro-perforated aluminium foil laminated with polyester film
SRP 100/600		Silencers with an internal flexible air duct made of micro-perforated aluminium foil laminated with polyester film
SRP 100/750		Silencers with an internal flexible air duct made of micro-perforated aluminium foil laminated with polyester film
SRP 100/900		Silencers with an internal flexible air duct made of micro-perforated aluminium foil laminated with polyester film
SRP 100/1200		Silencers with an internal flexible air duct made of micro-perforated aluminium foil laminated with polyester film
SRP 100/1500		Silencers with an internal flexible air duct made of micro-perforated aluminium foil laminated with polyester film
SRP 100/2000		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 100 G4/F8		Panel filters of a high purification level
FB K2 100 G4/C/F8		Panel filters of a high purification level

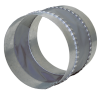
FB K2 100 G4/H13		Panel filters of a high purification level
FB K2 100 G4/C/H13		Panel filters of a high purification level
FB K2 100 ES		Panel electrostatic filters of a high purification level
FB 100		Round panel air filters
FBV 100		Round panel air filters with a large filtration area
FBK 100-4		Round bag air filters
FBK 100-5		Round bag air filters
FBK 100-7		Round bag air filters

For round ducts

Name	Photo	Description
KOM 100		Backdraught damper with spring-loaded plates for shutting off air flow in round air ducts
KOMu 100		Backdraught damper with spring-loaded plates for shutting off air flow in round air ducts
KOM1 100		Backdraught gravity damper for shutting off air flow in round air ducts
KR 100		Air dampers for controlling air flow in round air ducts
KRV 100		Air dampers for automatic air flow control in round ducts

For round ducts

Name	Photo	Description

VVG 100		Flexible anti-vibration inserts for round ducts

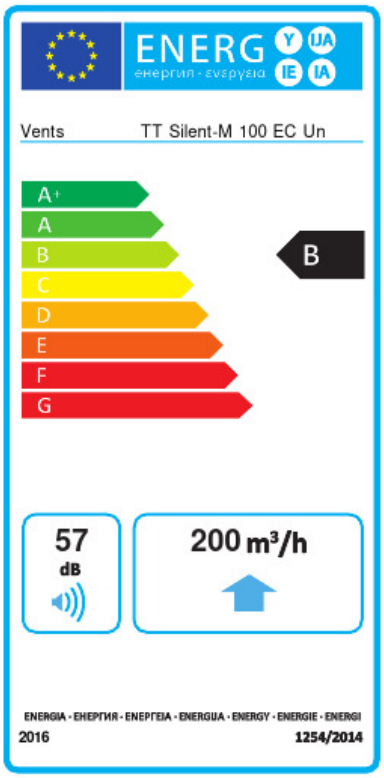
Water heaters

Name	Photo	Description
NKV 100-2		Inline water supply air heaters or heater for air handling units with a round cross-section
NKV 100-4		Inline water supply air heaters or heater for air handling units with a round cross-section

Electrical heaters

Name	Photo	Description
NK 100-0,6-1		Round electric inline heaters with round cross-section
NK 100-0,8-1		Round electric inline heaters with round cross-section
NK 100-1,2-1		Round electric inline heaters with round cross-section
NK 100-1,6-1		Round electric inline heaters with round cross-section
NK 100-1,8-1		Round electric inline heaters with round cross-section

Ecodesign



Trademark	Vents					
Model	TT Silent-M 100 EC Un					
Specific energy consumption (SEC) (kWh/(m²/a))	Cold		Average		Warm	
	-53.9	A+	-26.9	B	-11.4	E
Type of ventilation unit	Unidirectional					
Type of drive installed	Variable speed					
Type of heat recovery system	None					
Maximum flow rate (m³/h)	200					
Electric power input (W)	30					
Reference flow rate (m³/s)	0.039					
Reference pressure difference (Pa)	50					
Specific power input (SPI) (W/(m³/h))	0.109					
Control typology	Local demand control					
Maximum external leakage rates (%)	2.7					
Sound power level (dB(A))	57					
Declared typology	RVU UVU					
The annual electricity consumption (AEC) (kWh/a)	Cold		Average		Warm	
	58		58		58	
The annual heating saved (AHS) (kWh/a)	Cold		Average		Warm	
	5536		2830		1280	