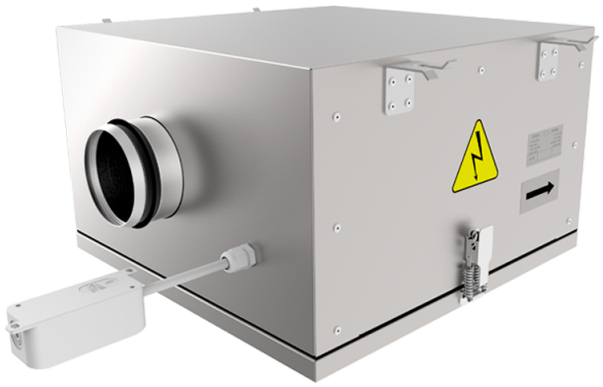
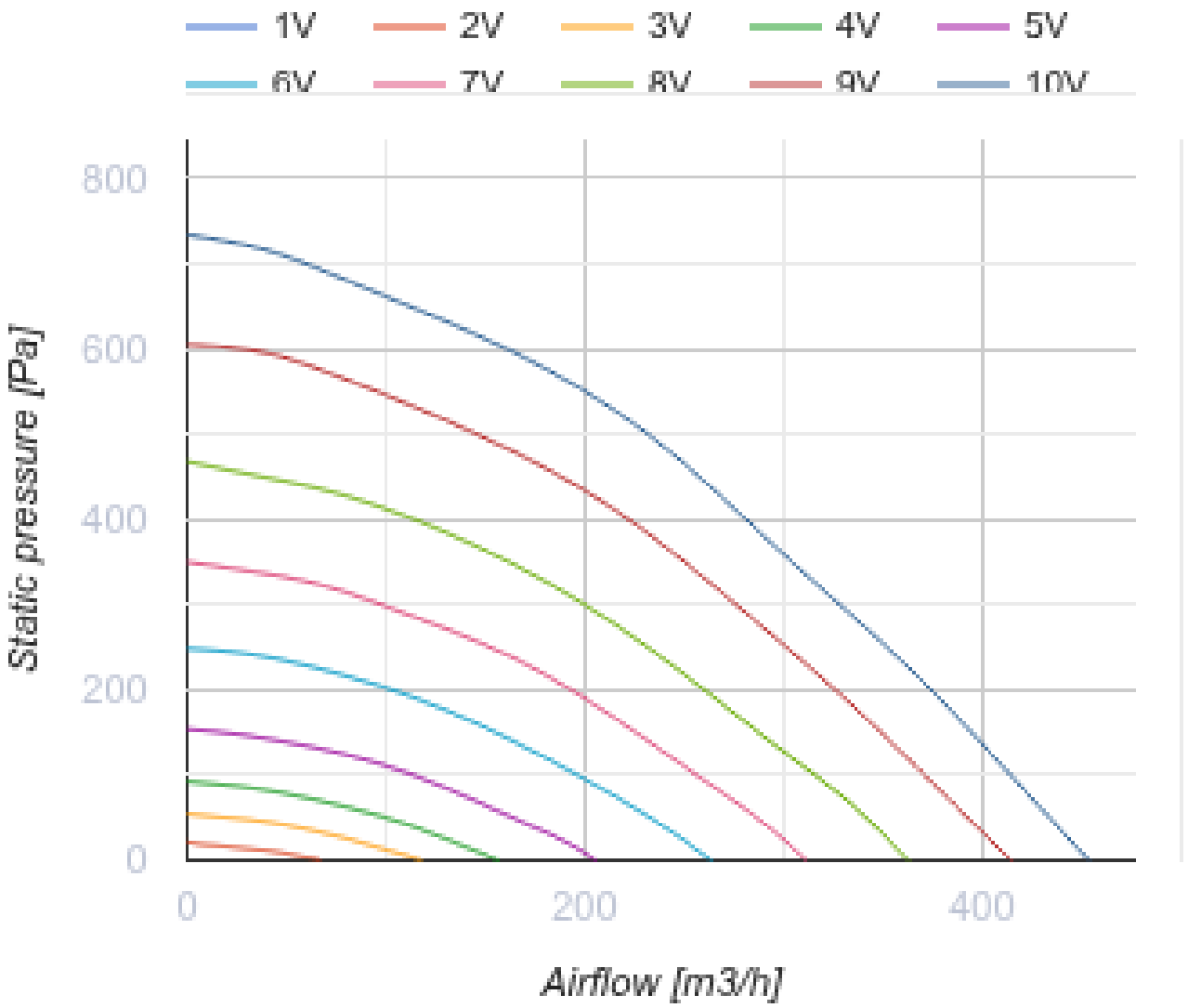
KSB 160 K2 EC R1

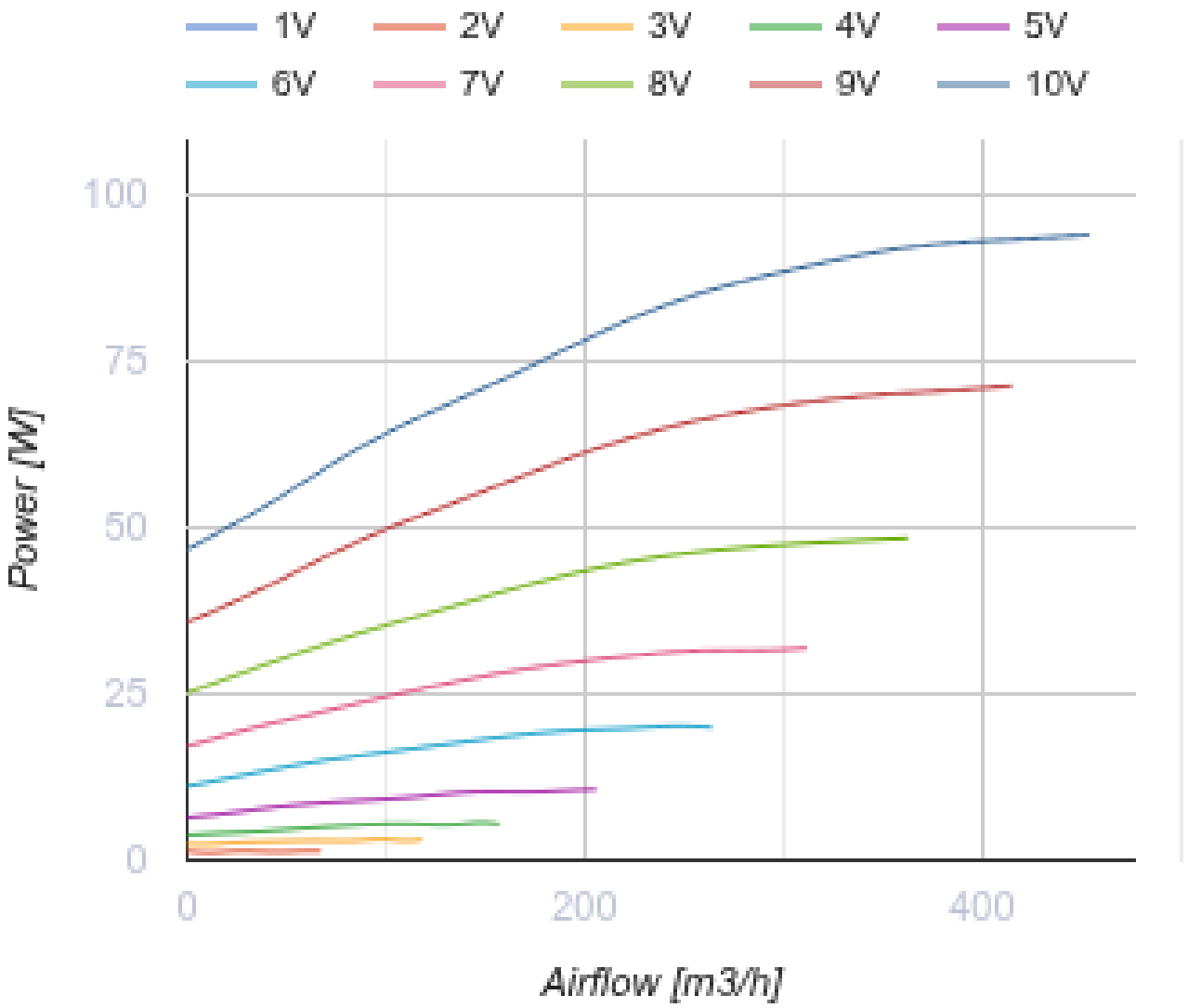


Centrifugal inline fans with backward curved blades in cases with improved sound insulation properties with EC-motors

- Sound pressure level LpA at 3 m: 40
- Sound-insulated casing
- Impeller type: Centrifugal impeller with backward curved blades
- Casing material: Aluzinc
- Installation in any position
- Cable with mains plug

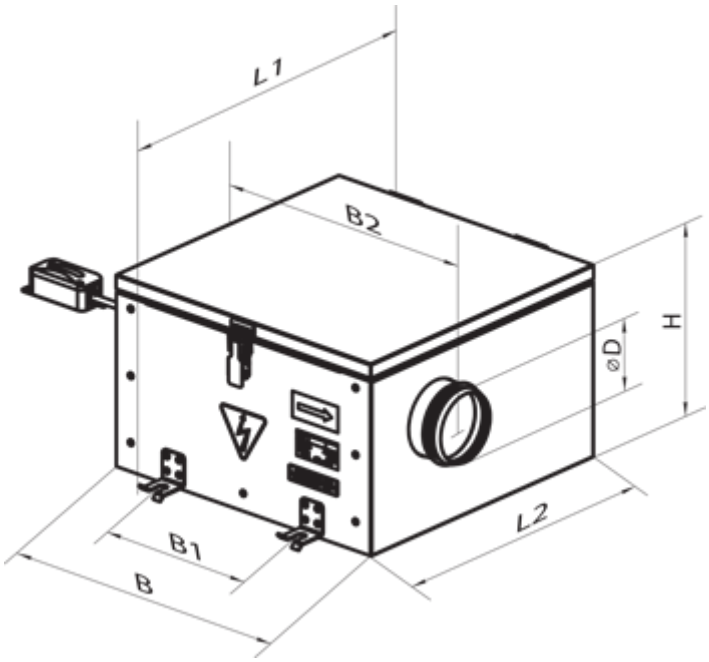
	Unit of measurement	KSB 160 K2 EC R1
Phases	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Rated power	W	85
Unit current	A	0.76
Maximum airflow	m³/h	454
Rotation speed at 50hz	-	3600
Sound pressure level LpA at 3 m	dB(A)	40
Weight	kg	12
Transported air temperature (max)	°C	55
Transported air temperature (min)	°C	-25
Ingress protection rating	-	IPX4
Ingress protection rating of the drive	-	IP55
Impeller material	-	Plastic


1V
2V
3V
4V
5V
6V
7V
8V
9V
10V
800
600
400
200
0
Static pressure [Pa]
0
200
400
Airflow [m3/h]



Dimensions

ØD	B	B1	B2	H	L1	L2
159	420	228	517	270	507	414

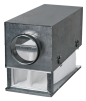


Accessories

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

For round ducts

Name	Photo	Description
FB 160		Round panel air filters
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
KR 160		Air dampers for controlling air flow in round air 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

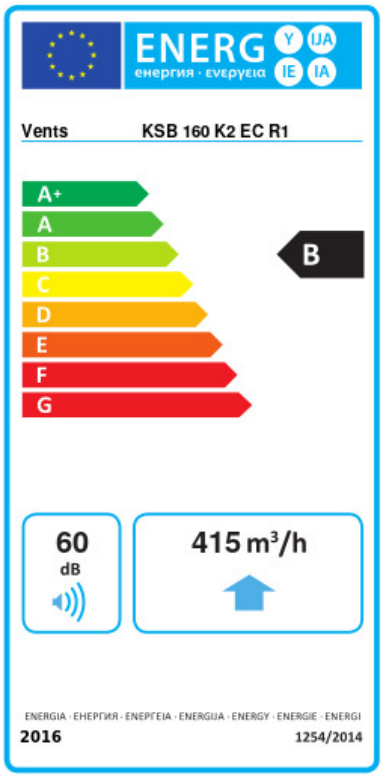
Name	Photo	Description
NK 160-1,2-1		Round electric inline heaters with round cross-section
NK 160-1,7-1		Round electric inline heaters with round cross-section
NK 160-2,0-1		Round electric inline heaters with round cross-section
NK 160-2,4-1		Round electric inline heaters with round cross-section
NK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

Speed controllers

Name	Photo	Description

R-1/010		Speed controller for EC motors

Ecodesign



Trademark	Vents					
Model	KSB 160 K2 EC R1					
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)	415					
Electric power input (W)	93.4					
Reference flow rate (m³/s)	0.081					
Reference pressure difference (Pa)	50					
Specific power input (SPI) (W/(m³/h))	0.108					
Control typology	Local demand control					
Maximum external leakage rates (%)	2.7					
Declared typology	RVU UVU					
Sound power level (dB(A))	60					
The annual electricity consumption (AEC) (kWh/a)	Cold		Average		Warm	
	57		57		57	
The annual heating saved (AHS) (kWh/a)	Cold		Average		Warm	
	5536		2830		1280	