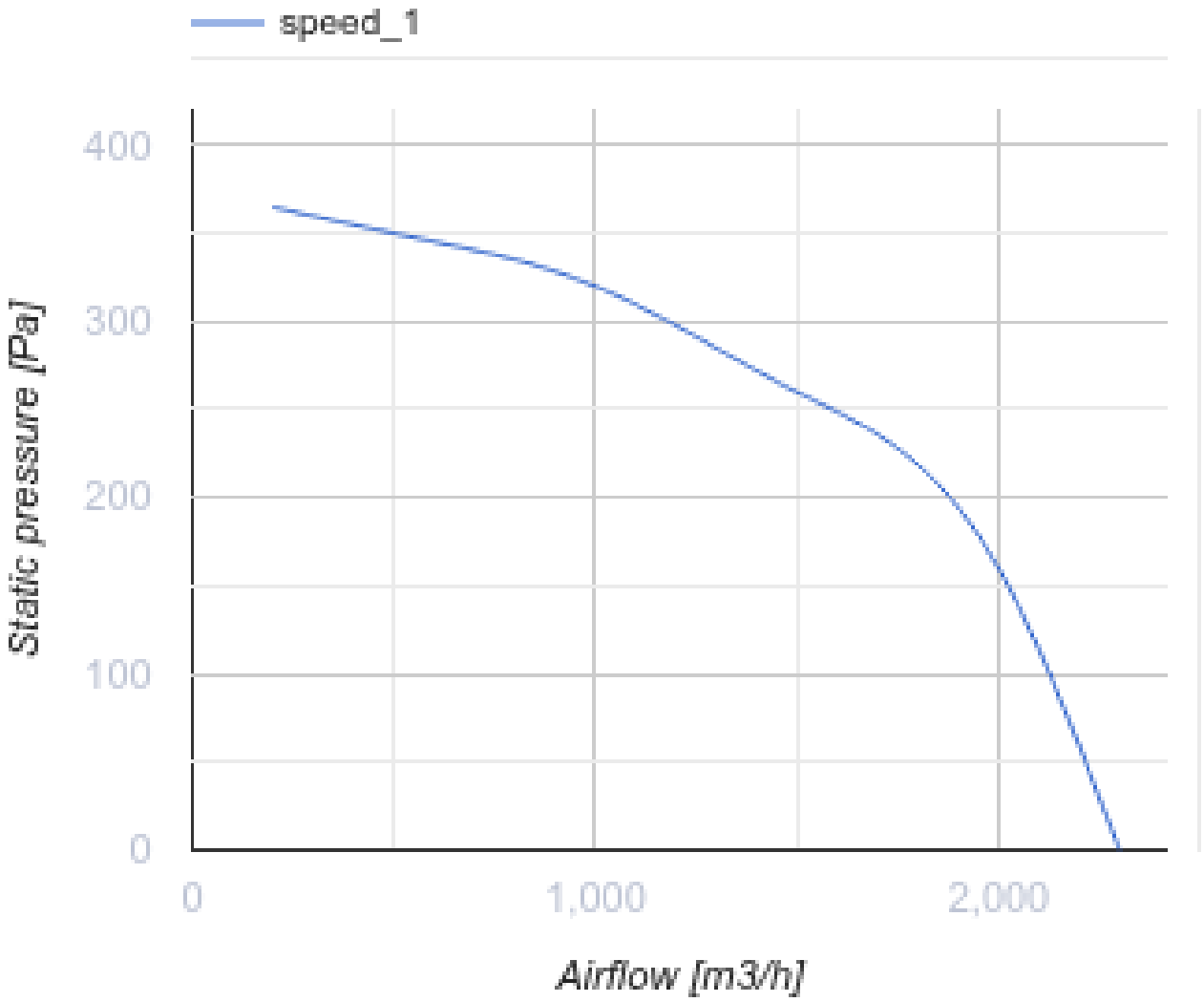
VKPFI 4E 500x300

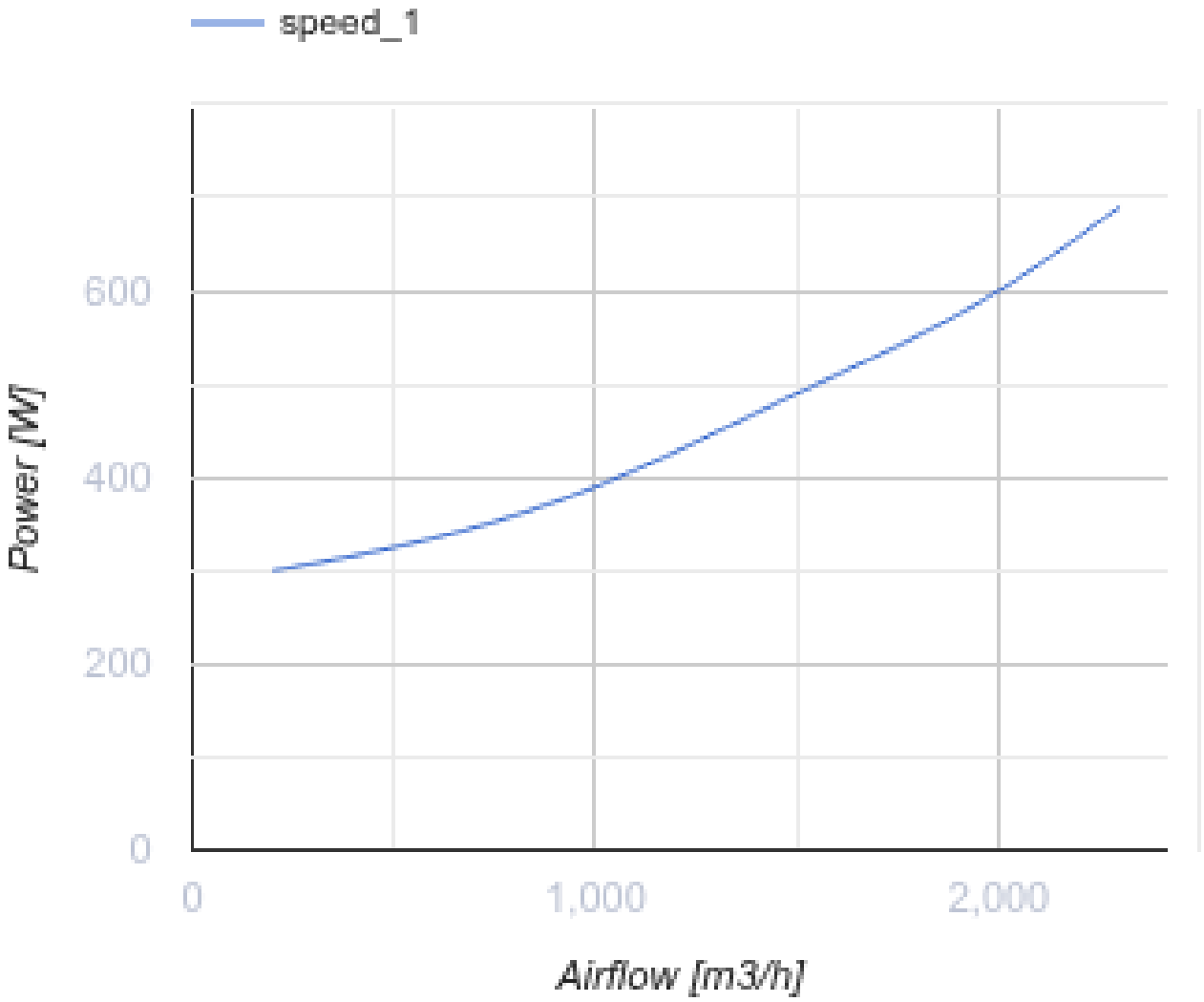


Centrifugal inline fans with forward curved blades in sound-insulated casings

- Sound pressure level LpA at 3 m: 47
- Sound-insulated casing
- Impeller type: Centrifugal impeller with forward curved blades
- Casing material: Galvanized steel
- Installation in any position

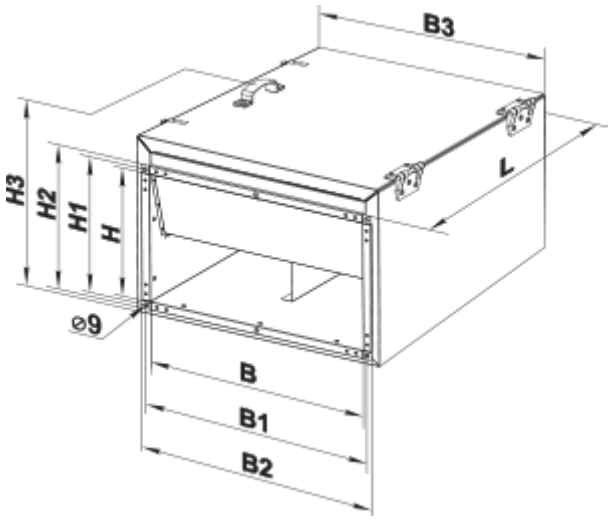
	Unit of measurement	VKPFI 4E 500x300
Connected air duct size	mm	500x300
Phases	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50
Rated power	W	710
Unit current	A	3.1
Maximum airflow	m^3/h	2350
Rotation speed at 50hz	-	1230
Sound pressure level LpA at 3 m	dB(A)	47
Weight	kg	52.5
Transported air temperature (max)	°C	70
Transported air temperature (min)	°C	-25
Ingress protection rating	-	IPX4
Ingress protection rating of the drive	-	IP44
Impeller material	-	Galvanized steel


speed_1
400
300
200
100
0
Static pressure [Pa]
0
1,000
2,000
Airflow [m3/h]



Dimensions

B	B1	B2	B3	H	H1	H2	H3	L
500	520	540	570	300	320	340	460	680



Accessories

For rectangular ducts

Name	Photo	Description
SR 500x300		Plate silencer for installation in rectangular ducts

For rectangular ducts

Name	Photo	Description
FB 500x300		Rectangular panel air filters
FBK 500x300-4		Rectangular bag air filters
FBK 500x300-5		Rectangular bag air filters
FBK 500x300-7		Rectangular bag air filters

For rectangular ducts

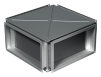
Name	Photo	Description
KOM1 500x300		Backdraught gravity dampe for shutting off air flow in rectangular air ducts
KR 500x300		Air dampers for controlling air flow in rectangular air ducts

KG 500x300		Gravity valve for automatic airflow shut-off in round air ducts

For rectangular ducts

Name	Photo	Description
VVG 500x300		Flexible anti-vibration inserts for round air ducts

For rectangular ducts

Name	Photo	Description
PR 500x300		Cross-flow plate heat exchangers for rectangular air ducts

Mixing chambers

Name	Photo	Description
SKRA 500x300/24		Mixing chambers for mixing (recirculating) part of the exhaust air with the outdoor air in the appropriate proportion

Water heaters

Name	Photo	Description
NKV 500x300-2		Inline water supply air heaters or heater for air handling units with a rectangular cross-section
NKV 500x300-4		Inline water supply air heaters or heater for air handling units with a rectangular cross-section

Electrical heaters

Name	Photo	Description
NK 500x300-6,0-3		Rectangular electric inline heaters
NK 500x300-7,5-3		Rectangular electric inline heaters
NK 500x300-9,0-3		Rectangular electric inline heaters

NK 500x300-10,5-3		Rectangular electric inline heaters
NK 500x300-12,0-3		Rectangular electric inline heaters
NK 500x300-15,0-3		Rectangular electric inline heaters
NK 500x300-18,0-3		Rectangular electric inline heaters
NK 500x300-21,0-3		Rectangular electric inline heaters

Airflow regulators

Name	Photo	Description
RRV 500x300		Air flow controllers

Speed controllers

Name	Photo	Description
RSA5E-3,5-T		Speed controllers are applied for air flow control of single phase fans by means of motor step speed control

Water coolers

Name	Photo	Description
OKW 500x300-3		Rectangular inline water coolers

Freon coolers

Name	Photo	Description
OKF 500x300-3		Rectangular inline direct evaporative coolers

Ecodesign

Trademark	Vents
Model	VKPFI 4E 500x300
Type of drive installed	External MSD or VSD
Type of heat recovery system	None
Nominal external pressure (Pa)	290
Maximum external leakage rates (%)	2.7
Static efficiency (%)	23.7
Effective electric power input (kW)	0.445
Sound power level (dB(A))	67
Declared typology	NRVU UVU