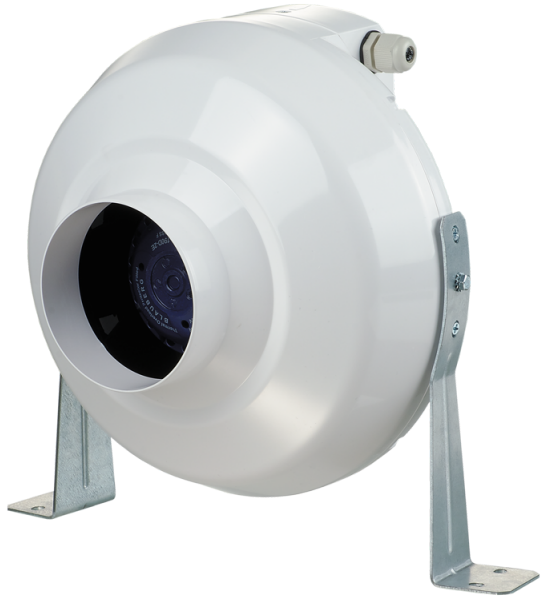
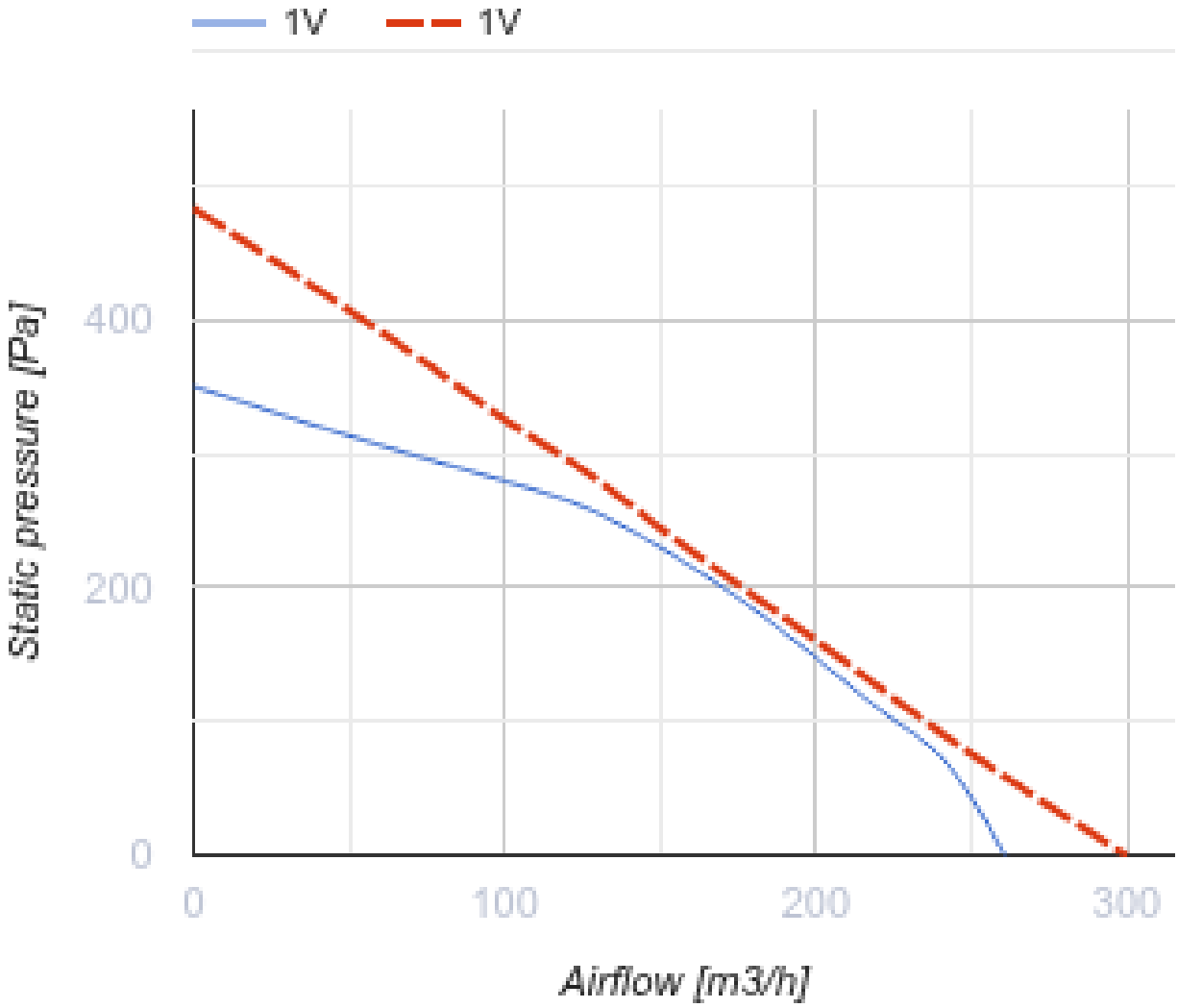
VK 100 U

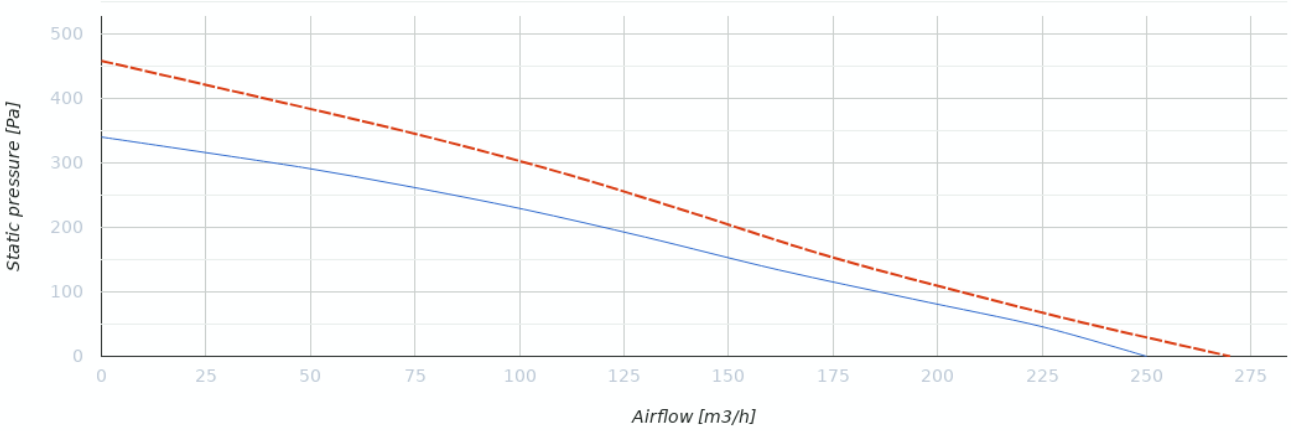


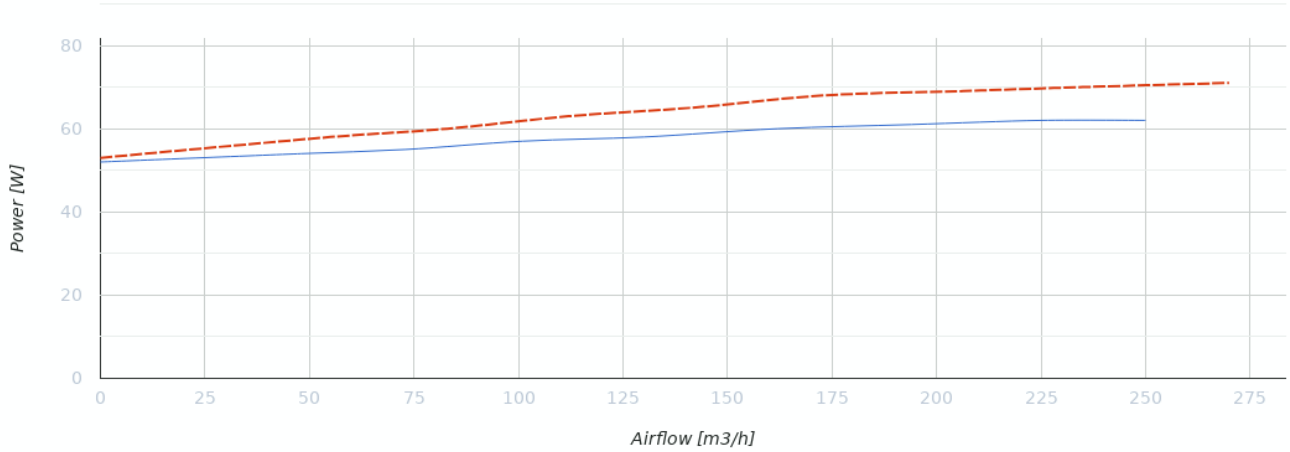
Centrifugal inline fans in plastic casing

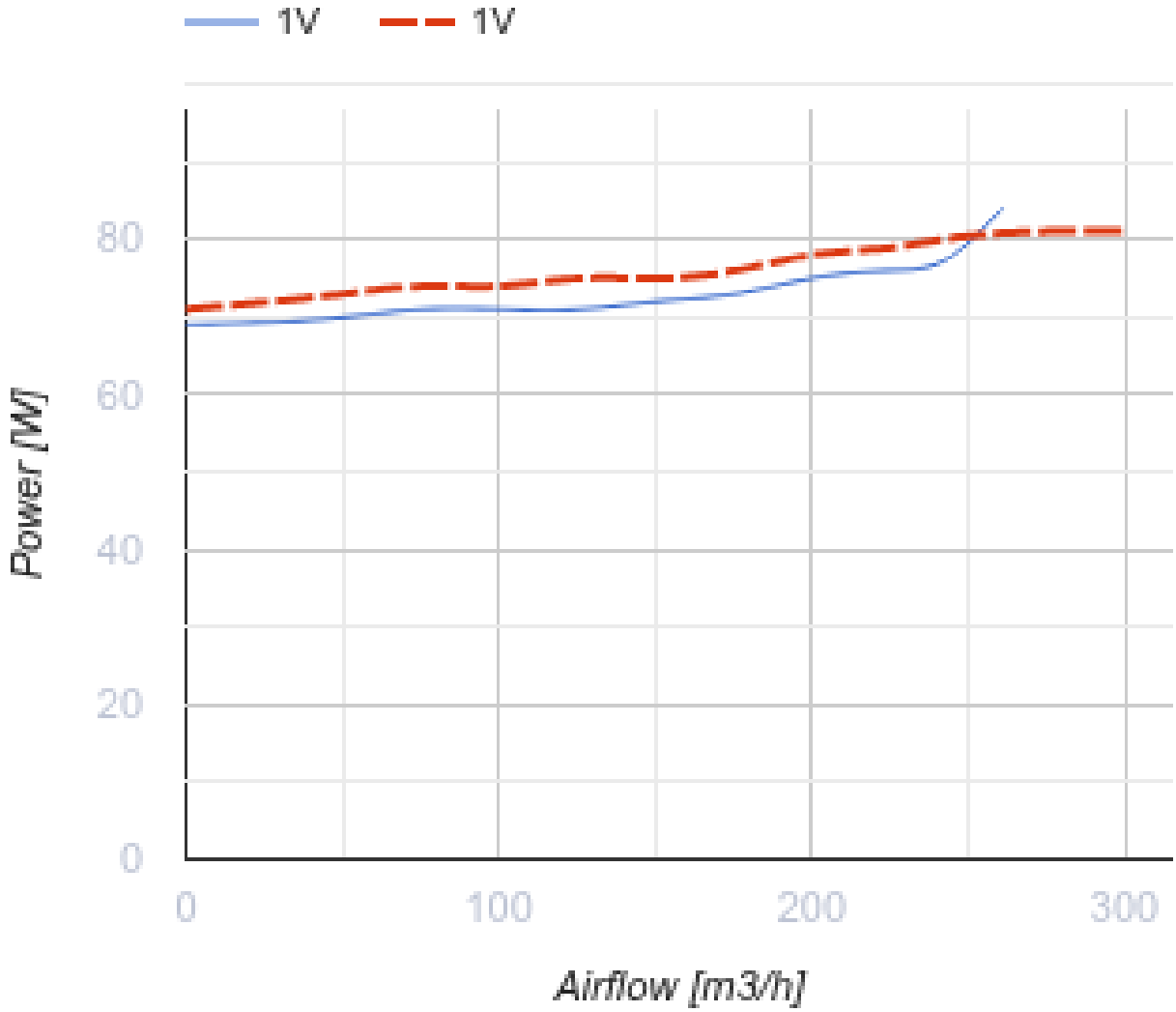
• Sound pressure level LpA at 3 m: 40
• Control: Built-in speed controller
• Impeller type: Centrifugal impeller with backward curved blades
• Casing material: Polypropylene
• Installation in any position
• Cable with mains plug
• Temperature sensor

	Unit of measurement	VK 100 U	
Connected air duct size	mm	100	
Phases	-	1	
Minimum supply voltage	V	230	
Maximum supply voltage	V	230	
Power supply frequency	Hz	50	60
Rated power	W	62	
Unit current	A	0.29	
Maximum airflow	m³/h	250	
Rotation speed at 50hz	-	2820	
Sound pressure level LpA at 3 m	dB(A)	40	
Weight	kg	2.01	
Transported air temperature (max)	°C	55	
Transported air temperature (min)	°C	-25	
Ingress protection rating	-	IPX4	
Impeller material	-	Plastic	


1V
1V
Static pressure [Pa]
400
200
0
0
100
200
300
Airflow [m3/h]

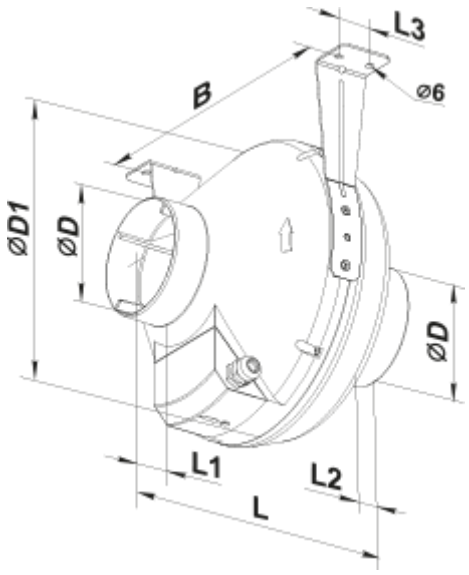

Static pressure [Pa]
500
400
300
200
100
0
0
25
50
75
100
125
150
175
200
225
250
275
Airflow [m3/h]


80
60
40
20
0
Power [W]
0
25
50
75
100
125
150
175
200
225
250
275
Airflow [m3/h]

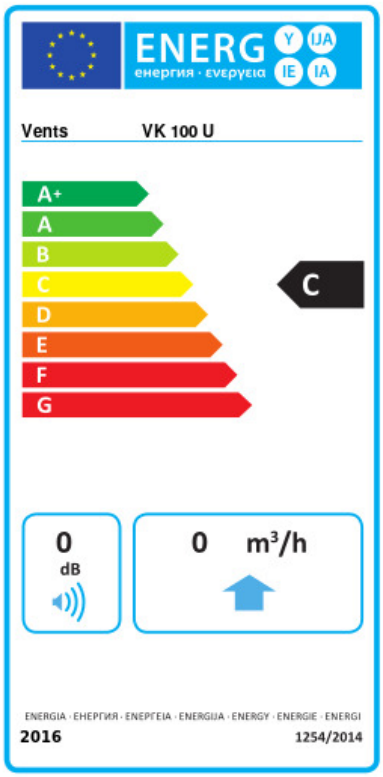

1V
1V
80
60
40
20
0
Power [W]
0
100
200
300
Airflow [m3/h]

Dimensions

ØD	ØD1	B	L	L1	L2	L3
100	250	270	230	30	27	30



Ecodesign



Trademark	Vents					
Model	VK 100 U					
Specific energy consumption (SEC) (kWh/(m²/a))	Cold		Average		Warm	
	-51	A+	-24	C	-8.5	F
Type of ventilation unit	Unidirectional					
Type of drive installed	Variable speed					
Type of heat recovery system	None					
Maximum flow rate (m³/h)	187					
Electric power input (W)	61					
Reference flow rate (m³/s)	0.036					
Reference pressure difference (Pa)	50					
Specific power input (SPI) (W/(m³/h))	0.326					
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	
	173		173		173	
The annual heating saved (AHS) (kWh/a)	Cold		Average		Warm	
	5536		2830		1280	