



## VN-1A(E) 80, VN-A(E) 80

Centrifugal fans  
in plastic casing



**Air capacity:**  
up to 100 m<sup>3</sup>/h

### APPLICATION

- Suitable for premises with mono-pipe ventilation system.
- Mounting in kitchens, bathrooms, toilets, storerooms and other household areas.

### DESIGN

- For wall surface mounting.
- The front panel and the casing are made of high-quality durable ABS plastic.
- Equipped with the plastic backdraft damper.
- Connected with the main ventilation shaft with a flexible air duct.
- Connecting branch pipe diameter – 80 mm.

### MOTOR

- Energy-efficient 2-speed motor on ball bearings with minimum energy demand.
- Independent maintenance of pressure and air flow rate in the duct.
- For precise characteristics, low noise level and safe operation each turbine is dynamically balanced while assembly.

### CONTROL

- Speed switch is performed with the external manual switch. For example, P2-1-300 (switches are supplied separately).

### MODIFICATIONS AND OPTIONS

- **VN-1A(E) 80 T / VN-A(E) 80 T** – the fans are equipped with a timer.
- **VN-1A(E) 80 TR / VN-A(E) 80 TR** – the fans are equipped with an adjustable timer.
- **VN-1A(E) 80 I / VN-A(E) 80 I** – the fans are equipped with an interval switch.
- **VN-1A(E) 80 H / VN-A(E) 80 H** – the fans are equipped with a humidity sensor.

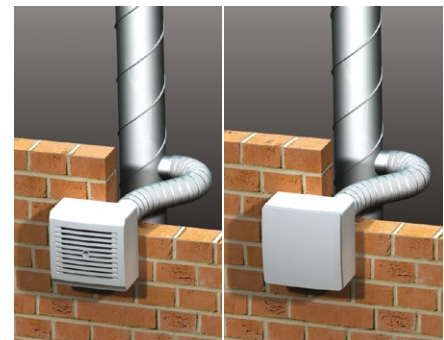
### ORDER REF.NO.

VN-	Front panel	Air flow [m <sup>3</sup> /h]	80	Additional options	Front panel colour
	_ – grille <b>1</b> – flat plastic front cover	<b>A</b> – 35/60 <b>E</b> – 75/100		<b>T</b> <b>TR</b> <b>I</b> <b>H</b>	_ – white

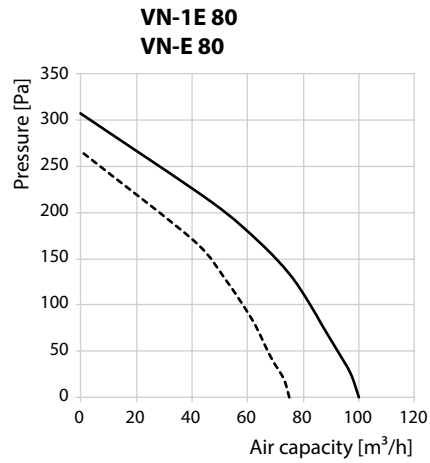
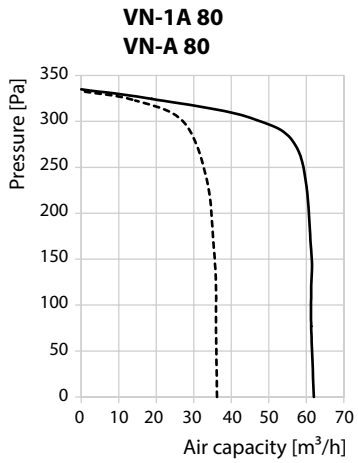
**OPTIONS DESCRIPTION**

Name	Description
<p><b>T</b> timer modification</p>	<p>The fan is switched on to the maximum speed manually with the external switch, turn-on delay time is 50 seconds. The return to default position is performed with the timer, run-out time is 6 minutes. Continuous low speed operation is possible.</p>
<p><b>TR</b> adjustable timer modification</p>	<p>The fan can be switched to the maximum speed manually with the external switch. Turn-on delay time is set with the internal regulator ranging from 0 to 150 seconds. Run-out time is set with the internal regulator from 2 to 30 minutes. Continuous low speed operation is possible.</p>
<p><b>I</b> interval switch modification</p>	<p>The fan switches periodically to the maximum speed while operation. The switching interval is set by means of the internal regulator ranging between 0.5 and 15 hours. Run-out time is 10 minutes. The fan can be switched manually with the external switch, turn-on delay time is 50 seconds. Continuous low speed operation is possible.</p>
<p><b>H</b> humidity sensor modification</p>	<p>The fan switches to the maximum speed as relative humidity level in the room increases. It switches off as relative humidity level drops by 10 % below the set level. The humidity threshold is adjusted in the range between 60 % and 90 %. Force switching to the maximum speed is provided, in this case the turn-on delay time is 50 seconds, and the run-out time is set by the internal regulator between 2 and 30 minutes. Continuous low speed operation is possible.</p>

**MOUNTING EXAMPLE**



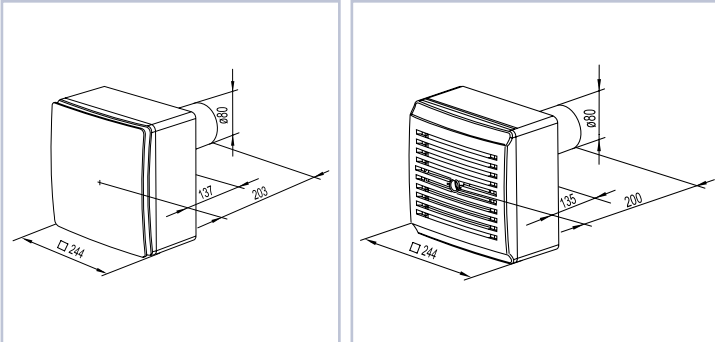
## AERODYNAMIC CHARACTERISTICS



## TECHNICAL DATA

	VN-1A 80 VN-A 80		VN-1E 80 VN-E 80	
	1	2	1	2
Number of speeds	1	2	1	2
Frequency [Hz]	50		50	
Voltage [V]	220-240		220-240	
Power consumption [W]	15	25	24	29
Current [A]	0.12	0.14	0.11	0.13
Maximum air flow [m³/h]	35	63	75	100
SFP [W/l/s]	1.54	1.43	1.15	1.04
Sound pressure level at 3 m distance [dBA]	27	36	29	38
Weight [kg]	2.7		2.7	
IP	IP55		IP55	

OVERALL DIMENSIONS



ACCESSORIES

Filter	Speed switch	Door grille	Thermovent	Clamps

CERTIFICATES



The fans meet safety norms and standards and electromagnetic compatibility directives.