



Fresh air in
your house!



VK...U Series

INLINE CENTRIFUGAL FANS

**For High Static
Pressure Application**

**WITH TEMPERATURE
AND SPEED CONTROL**



Built-in temperature and speed control

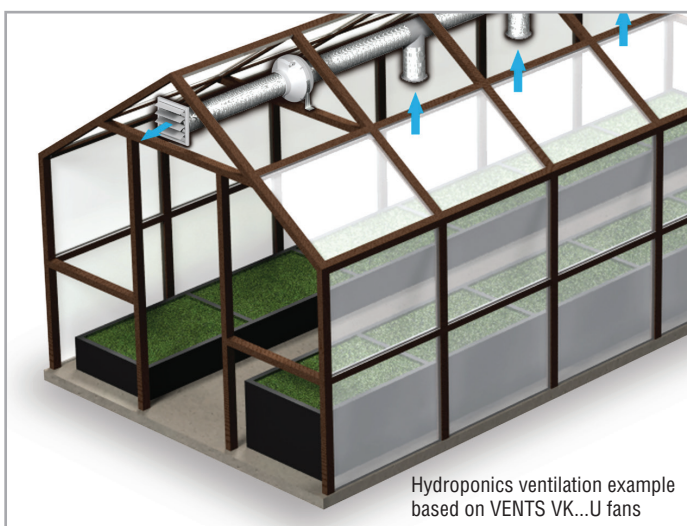
When the temperature exceeds the previously set temperature, the speed controller starts the fan on the set speed. As the air temperature drops below the set temperature, the control switches the fan off. As soon as the air temperature rises again and the temperature sensor exceeds the previously set temperature, the motor automatically switches to the set speed. As a result, the fans only run when needed. Temperature settings range from 70 °F to 95 °F.

Benefits

- Sizes available from 4"-12^{3/8}"
- High static pressure applications
- Quiet and powerful external rotor motor with thermal overload protection
- Ideal for long duct runs
- Vibration free operation
- Energy efficient
- Maintenance free
- Easy installation
- Durable and corrosion resistant
- Durable, UV resistant plastic (UL94 certified plastic)
- Pre-wired and supplied with mounting bracket for easy installation
- ETL listed

The **VENTS VK...U** fans offer high performance ventilation in medium to high demand systems. The fans feature built-in temperature and speed control and are suitable for a wide range of residential and commercial applications and are perfect ventilation solutions for the Hydroponics market. The fans are fitted with backward curved centrifugal impeller driven by powerful sealed external rotor motor with lifelong bearings and thermal protection. This powerful combination enables the **VENTS VK...U** fans to deliver exceptional airflow performances even in high static pressure systems. The fans' casing is made of high quality UV-resistant plastic (UL94 certified plastic). The VENTS VK-U fans are specially designed for simple installation and years of maintenance free operation.

VENTS VK-U Series fans feature built-in temperature and speed controller, which start and stop the fan according to the set speed at the desired temperature. VENTS-VK Series fans are an ideal solution for intake and exhaust ventilation of premises where air temperature control is required such as in greenhouses. Simply set your desired operating temperature with one knob, your minimum speed with the other knob and let the fan do the rest.



Hydroponics ventilation example
based on VENTS VK...U fans

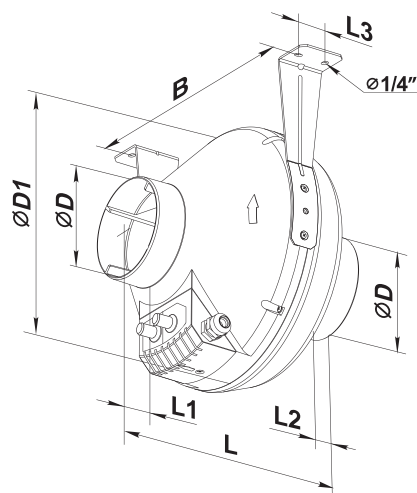
Tel: 888-640-0925
513-348-3853
Fax: 513-268-4597

Sales@ventsus.com
VentsUS.com
11013 Kenwood Road,
Cincinnati, Ohio 45242



Dimensions

Model	Measurements [in.]							lbs
	ØD	ØD1	B	L	L1	L2	L3	
VK 100 U	3 15/16"	9 13/16"	10 5/8"	9 1/16"	1 3/16"	1 1/16"	1 3/16"	4.7
VK 125 U	4 15/16"	9 13/16"	10 5/8"	8 11/16"	1 3/16"	1 1/16"	1 3/16"	4.9
VK 150 U	5 7/8"	11 13/16"	12 3/16"	11 1/4"	1 3/16"	1 3/16"	1 3/16"	5.7
VK 200 U	7 7/8"	13 3/8"	13 15/16"	10 7/8"	1 3/16"	1 3/16"	1 9/16"	8.8
VK 250 U	9 13/16"	13 3/8"	13 15/16"	10 7/16"	1 3/16"	1 3/16"	1 9/16"	9.9
VK 315 U	12 3/8"	15 3/4"	16 5/16"	16 5/16"	1 9/16"	2 3/16"	1 9/16"	11.2



Performance

Model	Duct dia	Sones	RPM *	Watts *	CFM vs. Static Pressure (Ps) in WG										Volt / Hz
					0"	0.125"	0.2"	0.25"	0.375"	0.5"	0.75"	1.0"	1.25"	1.5"	
VK 100 U	4"	8.5	3088	106	162	155	150	147	141	134	120	104	87	67	120 / 60
VK 125 U	5"	7.1	2960	114	235	222	214	207	193	178	151	123	99	72	120 / 60
VK 150 U	6"	7.2	2907	113	317	300	289	282	265	247	212	178	132	68	120 / 60
VK 200 U	8"	8.1	3016	140	507	481	465	455	423	395	343	287	238	189	120 / 60
VK 250 U	10"	10.2	2604	293	735	699	675	658	625	558	507	432	369	307	120 / 60
VK 315 U	12 3/8"	11.5	2641	269	871	817	779	758	703	635	501	393	324	266	120 / 60

* The parameters RPM, Watts are indicated at 0.2 in WG static pressure.

Specification

Voltage: 120 V, 60 Hz

Motor: Single-phase external rotor motor with backward curved centrifugal impellers

Duct compatibility: Ø4", 5", 6", 8", 10", 12 3/8"

Airflow capacity: up to 871 CFM

Sones: 7.1 – 11.5

Power consumption: 106 – 293 W

Suitable for working airstreams up to 149 °F

IPX4 protection

Thermal overload protection

Mounting bracket and power cord included

Five year warranty

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Flow Chart Graphs can be viewed at VentsUS.com/cat/657/