

VKM EC SERIES

For High Static Pressure Application



DESCRIPTION

VENTS VKM EC inline centrifugal duct fans are designed for residential and commercial ventilation applications. The housing is made of steel with polymer coating. Efficient backward curved impeller is capable of operating in high pressure systems. In-line configuration simplifies installation. All VKM EC models are designed for standard diameter round ducting. VENTS VKM EC inline duct fans can eliminate many ventilation problems. They are designed to boost airflow through long or complex duct runs. Provide ideal solutions for residential and commercial applications. The most common uses are bathroom exhaust, range hood exhaust and duct boosting. VENTS VKM EC sizes range from 4" to 12", with airflows ranging up to 801 CFM. The VKM EC series fans are specifically for simple installation and maintenance free operation.

APPLICATIONS

- Bathroom exhaust
- Kitchen ventilation
- Living area
- Whole house ventilation
- Duct boosting
- Workshops & smoking areas
- Offices
- Bars & Restaurants
- Warehouses

BENEFITS

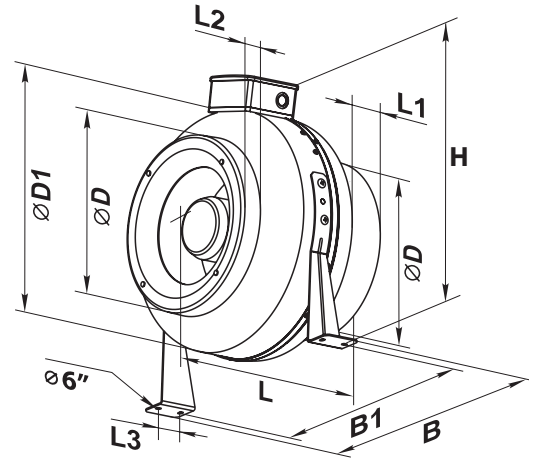
- Energy Star compliant
- Very high energy efficiency
- Speed controllable 0-10 V (regulator is available upon separate order)
- High air volume and static pressure applications
- Efficient, vibration free operation
- Durable and corrosion resistant casing
- Reliable external rotor motor design
- Permanently lubricated ball bearing motor for maintenance free operation
- Automatic reset thermal overload protection
- Pre-wired and supplied with mounting bracket for easy installation
- Rated for continuous operation
- Strong construction for long life



Ventilation example based on VKM EC fan

DIMENSIONS

Model	Measurements [in.]										lbs
	Ø D	Ø D1	H	B	B1	L	L1	L2	L3		
VKM 100 EC	3 55/64"	10 3/64"	13 25/64"	12 13/64"	10 5/8"	7 63/64"	25/32"	63/64"	1 3/16"	7	
VKM 125 EC	4 27/32"	10 3/64"	13 25/64"	12 13/64"	10 5/8"	7 63/64"	25/32"	63/64"	1 3/16"	6.8	
VKM 150 EC	5 53/64"	12 1/64"	14 11/64"	14 11/64"	12 19/32"	7 7/8"	25/32"	63/64"	1 3/16"	8.2	
VKM 200 EC	7 51/64"	13 37/64"	17 1/8"	15 35/64"	13 31/32"	9 41/64"	63/64"	1 3/16"	1 37/64"	11.2	
VKM 250 EC	9 49/64"	13 37/64"	17 1/8"	15 35/64"	13 31/32"	9 27/32"	63/64"	1 3/16"	1 37/64"	12.8	
VKM 305 EC	11 59/64"	15 15/16"	18 5/16"	17 29/32"	16 11/32"	10 15/64"	1 3/16"	1 3/16"	1 37/64"	15.8	


PERFORMANCE

Model	Duct dia	RPM *	Sones	Watts *	Amps *	Air stream temp. (°F)	CFM vs. Static Pressure (Ps) in WG (10 V signal)										Volts	
							0"	0.125"	0.2"	0.25"	0.375"	0.5"	0.75"	1.0"	1.25"	1.5"		2.5"
VKM 100 EC	4"	2760	6.91	33	0.51	-13-105	151	141	135	130	120	110	90	70	49	29	-	120/60
VKM 125 EC	5"	3396	6.80	57.1	0.84	-13-105	248	239	231	225	211	198	170	143	115	88	-	120/60
VKM 150 EC	6"	3336	6.60	75.1	1.08	-13-105	306	299	291	285	272	258	231	204	176	149	40	120/60
VKM 200 EC	8"	2820	7.60	99	1.45	-13-105	539	510	494	484	458	432	380	328	277	225	18	120/60
VKM 250 EC	10"	2628	8.20	133.6	1.89	-13-105	667	600	586	577	553	530	484	438	392	346	161	120/60
VKM 305 EC	12"	2796	8.35	173.5	2.41	-13-105	801	741	726	716	690	665	614	563	512	461	257	120/60

* The parameters Volts, Watts, Amps are indicated at 0.2 in WG static pressure

SPECIFICATION

Voltage: 120 V, 60 Hz

Motor: Efficient electronically commutated (EC) single-phase external rotor motors with backward curved centrifugal impellers

Duct compatibility: 4", 5", 6", 8", 10", 12"

Airflow capacity: up to 801 CFM

Sones: 6.6-8.35

Power consumption: 33 – 173.5 W

Suitable for working airstreams up to 105°F

IPX4 protection

Thermal overload protection

Mounting bracket and power cord included

Energy Star compliant