

VENTS-US - VKM SERIES- INLINE FAN SPECIFICATION SHEET



VKM

PRODUCT SPECIFICATIONS

TECHNICAL DATA

INLINE CENTRIFUGAL FAN



DESCRIPTION

VENTS VKM inline centrifugal duct fans are designed for residential and commercial ventilation applications. The fan's housing is made of steel with polymer coating. The quiet and efficient backward curved impeller is capable of operating in high pressure systems. In-line configuration simplifies installation. All VKM models are designed for standard diameter round ducting. VENTS VKM inline duct fans can eliminate many ventilation problems. They are designed to boost airflow through long or complex duct runs and provide ideal solutions for residential and commercial applications. VENTS VKM sizes range from 4" to 12" with airflows ranging up to 985 CFM. The VKM series fans are specifically for simple installation and maintenance free operation. Five year warranty.

CASING

Fans have a housing made of steel with polymer coating.

MOTOR

Motors are supplied with automatic reset thermal protection and are equipped with ball bearings for longer service life (40,000 hrs).

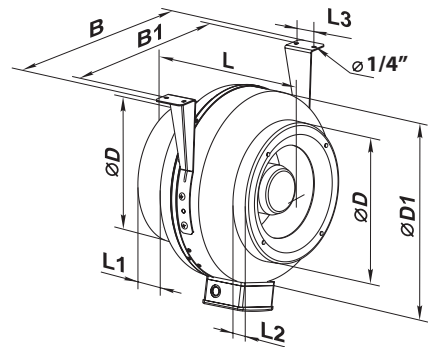
Suitable for air stream temperature from -13 °F to 105 °F.

SUITABLE FOR:

Bathroom exhaust; kitchen ventilation; living area; whole house ventilation; workshops & smoking areas; offices; bars & restaurants; warehouses; duct boosting.

DIMENSIONS

| Model | Measurements [in.] | | | | | | | | | Duct dia |
|-----------|--------------------|-----------|---------|----------|----------|--------|---------|---------|-----|----------|
| | Ø D | Ø D1 | B | B1 | L | L1 | L2 | L3 | | |
| VKM 100 | 3 15/16" | 10" | 11 3/4" | 10 3/16" | 8 1/16" | 13/16" | 1" | 1 3/16" | 4" | |
| VKM 125 | 4 15/16" | 10" | 11 3/4" | 10 3/16" | 8 1/16" | 13/16" | 1" | 1 3/16" | 5" | |
| VKM 150 E | 5 7/8" | 11 15/16" | 13 3/4" | 12 3/16" | 8 11/16" | 1" | 1" | 1 3/16" | 6" | |
| VKM 150 | 5 7/8" | 11 15/16" | 13 3/4" | 12 3/16" | 8 11/16" | 1" | 1" | 1 3/16" | 6" | |
| VKM 200 E | 7 7/8" | 13 9/16" | 15 3/8" | 13 3/4" | 9 7/8" | 1" | 1 1/8" | 1 9/16" | 8" | |
| VKM 200 | 7 7/8" | 13 9/16" | 15 3/8" | 13 3/4" | 9 7/8" | 1" | 1 1/8" | 1 9/16" | 8" | |
| VKMS 200 | 7 7/8" | 13 9/16" | 15 3/8" | 13 3/4" | 9 7/8" | 1" | 1 1/8" | 1 9/16" | 8" | |
| VKM 250 E | 9 13/16" | 13 9/16" | 15 3/8" | 13 3/4" | 9 3/16" | 1" | 1 1/4" | 1 9/16" | 10" | |
| VKM 250 | 9 13/16" | 13 9/16" | 15 3/8" | 13 3/4" | 9 3/16" | 1" | 1 1/4" | 1 9/16" | 10" | |
| VKM 305 E | 12" | 15 7/8" | 17 3/4" | 16 5/16" | 10 1/4" | 15/16" | 1 3/16" | 1 9/16" | 12" | |
| VKM 305 | 12" | 15 7/8" | 17 3/4" | 16 5/16" | 10 1/4" | 15/16" | 1 3/16" | 1 9/16" | 12" | |
| VKMS 305 | 12" | 15 7/8" | 17 3/4" | 16 5/16" | 10 1/4" | 15/16" | 1 3/16" | 1 9/16" | 12" | |



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|-------------------------------|-----------------------|--|------|-----------------------|------------|
| | | <h2 style="margin: 0;">VKM</h2> <p style="margin: 0;">INLINE CENTRIFUGAL FAN</p> | | | |
| PRODUCT SPECIFICATIONS | TECHNICAL DATA | | | | |
| PERFORMANCE | | | | | |
| Model | Current* [Amp] | Power* [W] | RPM* | Energy Star compliant | [Volts/Hz] |
| VKM 100 | 0.90 | 108 | 3000 | No | 120/60 |
| VKM 125 | 0.61 | 73 | 3244 | No | 120/60 |
| VKM 150 E | 0.44 | 51 | 3036 | Yes | 120/60 |
| VKM 150 | 1.27 | 152 | 3287 | No | 120/60 |
| VKM 200 E | 0.75 | 89 | 3288 | Yes | 120/60 |
| VKM 200 | 1.63 | 195 | 2520 | No | 120/60 |
| VKMS 200 | 2.14 | 240 | 2745 | No | 120/60 |
| VKM 250 E | 1.20 | 144 | 2832 | Yes | 120/60 |
| VKM 250 | 1.95 | 232 | 2516 | No | 120/60 |
| VKM 305 E | 1.22 | 146 | 2772 | Yes | 120/60 |
| VKM 305 | 2.10 | 244 | 2981 | No | 120/60 |
| VKMS 305 | 2.42 | 272 | 2320 | No | 120/60 |

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

| Model | CFM vs. Static Pressure (Ps) in WG | | | | | | | | | | | Max Ps |
|-----------|------------------------------------|--------|------|-------|--------|------|-------|------|-------|------|------|--------|
| | 0" | 0.125" | 0.2" | 0.25" | 0.375" | 0.5" | 0.75" | 1.0" | 1.25" | 1.5" | 2.5" | |
| VKM 100 | 174 | 167 | 162 | 159 | 151 | 142 | 124 | 106 | 84 | 60 | - | 2.13 |
| VKM 125 | 231 | 213 | 202 | 194 | 177 | 162 | 130 | 103 | 75 | 42 | - | 1.83 |
| VKM 150 E | 254 | 235 | 225 | 216 | 196 | 175 | 137 | 93 | 34 | - | - | 1.475 |
| VKM 150 | 460 | 436 | 422 | 415 | 390 | 360 | 307 | 255 | 212 | 172 | 20 | 2.6 |
| VKM 200 E | 445 | 421 | 405 | 396 | 374 | 350 | 301 | 252 | 225 | 143 | - | 1.925 |
| VKM 200 | 541 | 502 | 480 | 464 | 428 | 391 | 320 | 265 | 222 | 183 | 36 | 2.76 |
| VKMS 200 | 657 | 640 | 632 | 625 | 608 | 590 | 550 | 498 | 434 | 370 | 112 | 2.80 |
| VKM 250 E | 680 | 655 | 631 | 610 | 587 | 535 | 426 | 323 | 284 | 194 | - | 2.375 |
| VKM 250 | 678 | 638 | 613 | 599 | 550 | 479 | 408 | 340 | 292 | 248 | 90 | 3.00 |
| VKM 305 E | 695 | 650 | 625 | 610 | 575 | 520 | 405 | 315 | 248 | 180 | - | 2.30 |
| VKM 305 | 784 | 756 | 738 | 727 | 698 | 669 | 611 | 542 | 480 | 428 | 168 | 3.25 |
| VKMS 305 | 985 | 920 | 890 | 869 | 818 | 773 | 680 | 594 | 512 | 441 | 210 | 3.65 |

| MODEL | QUANTITY | COMMENTS | PROJECT |
|-------|----------|----------|---------------|
| | | | location: |
| | | | architect: |
| | | | engineer: |
| | | | contractor: |
| | | | submitted by: |

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