

VARIABLE-SPEED (VSR) ELECTRIC POWER BLOWERS™

TEMPEST
TECHNOLOGY
a LEADER Group Company



Pushing the Edge in High Performance Ventilation

Don't sacrifice performance for the convenience of an electric powered ventilation fan. The VSR is closing the CFM gap between gas and electrics. Our Variable Speed VS Drive and massive 2.0 HP (110V 60hz) & 2.9 HP (230V 50Hz) motor, paired with our signature blade and shroud designs deliver the absolute best in GFCI compatible performance. If you are looking to go electric but do not want to sacrifice airflow, the VSR is the answer



GFCI/NEMA 4 Variable Speed Drive/IP 55 Rated

GFCI compatible, NEMA 4 rated control box (110V 60Hz) and IP 55 Rated GFCI compatible (230V 50Hz).



Welded Steel Roll Cage Frame

Welds eliminate the need to continuously maintain/tighten nuts and bolts.



Turbo 2000 Shroud

By redesigning the inward curve and front of the shroud, the Turbo 2000 increases air velocity by up to 30%.



AirFlex Composition Impeller

Uniquely designed impellers deliver maximum air volume (CFM), velocity and pressure from each Tempest Power Blower™.



| Model No. | Part No. | Size | HP | m3/h | Dimensions (WxDxH) | Weight |
|-------------|----------|-------|-----|---------|--------------------|--------|
| 110V/60Hz | | | | | | |
| VS-16-R-2.0 | 910-1400 | 410mm | 2.0 | 19,625 | 534x502x585mm | 45 kg. |
| VS-18-R-2.0 | 910-1420 | 460mm | 2.0 | 21,814 | 585x534x633mm | 47 kg. |
| VS-21-R-2.0 | 910-1440 | 540mm | 2.0 | 25,207 | 661x534x667mm | 49 kg. |
| VS-24-R-2.0 | 910-1460 | 610mm | 2.0 | 26,611 | 750x534x762mm | 54 kg. |
| 220V/50Hz | | | | | | |
| VS-16-R-2.9 | 921-1418 | 410mm | 2.9 | PENDING | 521x502x553mm | 37 kg. |
| VS-18-R-2.9 | 921-1438 | 460mm | 2.9 | PENDING | 559x534x616mm | 39 kg. |

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TECHNICAL SPECIFICATIONS

| PRODUCT FAMILY | | POWER BLOWER™ | | | | | | |
|---------------------|-----------------------|--|--|-----------------|-----------------|----------------------------|-----------------------------|----------------------------|
| PRODUCT LINE & TYPE | | CONE ELECTRIC (CE) - VSR (110 VAC 60 HZ) | | | | (220 VAC 50 HZ) | | |
| MODEL | | VS-16-R-2.0 | VS-18-R-2.0 | VS-21-R-2.0 | VS-24-R-2.0 | VS-16-R-2.9 | VS-18-R-2.9 | |
| PART NO. | | 910-1400 | 910-1420 | 910-1440 | 910-1460 | 921-1418 | 921-1438 | |
| OUTPUT | AIR VOLUME | [cfm/m³h] | 11,551 / 19,625 | 12,839 / 21,814 | 14,836 / 25,207 | 15,663 / 26,611 | PENDING | PENDING |
| | AIR VELOCITY | [mph/kph] | PENDING | PENDING | PENDING | PENDING | PENDING | PENDING |
| | NOISE LEVEL @ 10 ft | [dB(A)] | 82 TO 87 | PENDING | PENDING | PENDING | PENDING | PENDING |
| FAN BLADE | TYPE | | IMPELLER | | | | | |
| | MATERIAL | | NYLON 6 W/ 30% GLASS-FIBER FILL | | | | | |
| | DIAMETER | [in/mm] | 16 / 410 | 18 / 460 | 21 / 540 | 24 / 610 | 16 / 410 | 18 / 460 |
| | NO. OF BLADES | | 6 @ 35° | 6 @ 35° | 8 @ 35° | 8 @ 35° | 6 @ 35° | 6 @ 30° |
| DIMENSIONS | WEIGHT | [lb/kg] | 98 / 45 | 104 / 47 | 108 / 49 | 119 / 54 | 81 / 37 | 86 / 39 |
| | WIDTH | [in/mm] | 21.00 / 534 | 23.00 / 585 | 26.00 / 661 | 29.50 / 750 | 20.50 / 521 | 22.00 / 559 |
| | DEPTH | [in/mm] | 19.75 / 502 | 21.00 / 534 | 21.00 / 534 | 21.00 / 534 | 19.75 / 502 | 21.00 / 534 |
| | HEIGHT (COLLAPSED) | [in/mm] | 23.00 / 584 | 24.9 / 633 | 26.25 / 667 | 30.00 / 762 | 21.75 / 553 | 24.50 / 616 |
| | HEIGHT (EXTENDED) | [in/mm] | 35.25 / 895 | 40.00 / 1016 | 43.25 / 1099 | 47.75 / 1162 | 35.25 / 895 | 40.00 / 1016 |
| MOTOR | MANUFACTURER | | DAYTON | | | | | |
| | MODEL | | 2NKY3A | | | | | |
| | TYPE | | TOTALLY ENCLOSED, FAN-COOLED (TEFC) | | | | TEAO | |
| | VOLTAGE | | 230 (3 PHASE AC) | | | | | |
| | POWER OUTPUT | [HP/kW] | 2.0 / 1.49 | | | | 2.9 / 2.2 | |
| | MAX AMPERAGE | | ADJUSTABLE FROM APPROX. 10 - 16 | | | | 8.1 | |
| | WATTS @ FULL RPM | | 1 840 | | | | PENDING | |
| DRIVE | MANUFACTURER | | KB ELECTRONICS, INC. | | | | | |
| | MODEL | | KBAC-27D | | | | | |
| | TYPE | | VARIABLE FREQUENCY DRIVE (VFD) | | | | | |
| | STANDARDS | | NEMA 4 TYPE ENCLOSURE, GFCI COMPATIBLE | | | | IP 55 RATED GFCI COMPATIBLE | |
| | INPUT OPERATING VOLTS | | 110-120 VAC 60HZ | | | | 230 VAC 50/60HZ | |
| | OUTPUT VOLTS | | 230 (3 PHASE AC) | | | | 230 (3 PHASE AC) | |
| FRAME | TYPE | | ERGONOMIC WELDED ROLL CAGE | | | | | |
| | MATERIAL | [in] | 0.75 SQUARE TUBE STEEL | | | 0.75 & 1.00 SQ. TUBE STEEL | 0.75 SQ. TUBE STEEL | 0.75 & 1.00 SQ. TUBE STEEL |
| | COATING | | POWDER COAT | | | | | |
| | DEFAULT COLOR | | DARK GRAY | | | | | |
| | HANDLE | | FLIP-UP / FOLD-DOWN W/ PULL PIN LOCK | | | | | |
| | NO. OF TILT POINTS | | 4 | 5 | | | 4 | 5 |
| | WHEEL TYPE | | NON-PNEUMATIC FLAT FREE | | | | | |
| WHEEL SIZE | [in/mm] | 6 / 153 | 8 / 203 | | | 6 / 153 | 8 / 203 | |
| SHROUD | TYPE | | TURBO 2000 | | | | | |
| | MATERIAL | | ALUMINUM W/ ROLLED EDGE | | | | | |
| | COATING | | POWDER COAT | | | | | |
| | DEFAULT COLOR | | YELLOW | | | | RED | |
| GRILLE | MATERIAL | | SPIRAL WELDED STEEL WIRE | | | | | |
| | NO. OF TIE POINTS | | 8 | | | | | |
| | STANDARDS | | MEETS EUROPEAN CE SAFETY STANDARDS | | | | | |
| | COATING | | POWDER COAT | | | | | |
| | DEFAULT COLOR | | DARK GRAY | | | | | |

Periods Used to Designate Decimal Points

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