

TEMPEST

Fighting for performance

PUSHING THE EDGE IN
HIGH PERFORMANCE VENTILATION

VARIABLE-SPEED (VSR) ELECTRIC POWER BLOWERS™

Don't sacrifice performance for the convenience of an electric powered ventilation fan. The VSR is closing the gap between gas and electrics. Our Variable Speed VS Drive and massive 2.0 HP 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.



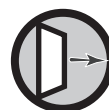
GFCI/NEMA 4 Variable Speed Drive

This GFCI compatible, NEMA 4 rated control box is durable, reliable and easy to operate.



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 Number	Part No.	Size	HP	CFM	Dimensions (W x D x H)	Weight
110V/60Hz						
VS-16-R-2.0	910-1400	16"	2.0	11551	21" x 19.75" x 23"	98 lbs.
VS-18-R-2.0	910-1420	18"	2.0	12839	23" x 21" x 24.9"	104 lbs.
VS-21-R-2.0	910-1440	21"	2.0	14836	26" x 21" x 26.25"	108 lbs.
VS-24-R-2.0	910-1460	24"	2.0	15663	29.5" x 21" x 30"	119 lbs.
200V/50Hz						
VS-16-R-2.9	921-1418	16"	2.9	pending	20.5" x 19.75" x 21.75"	81 lbs.
VS-18-R-2.9	921-1438	18"	2.9	pending	22" x 21" x 24.25"	86 lbs.

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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) SINGLE PHASE	
	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/m ³ h]	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	6	8	8	6	6
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				NC	
	MODEL	2NKY3A				NC	
	TYPE	TOTALLY ENCLOSED, FAN-COOLED (TEFC)				TENV	
	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.				LEADER	
	MODEL	KBAC-27D				XRV	
	TYPE	VARIABLE FREQUENCY DRIVE (VFD)					
	STANDARDS	NEMA 4 TYPE ENCLOSURE, GFCI COMPATIBLE				IP 55 RATED GFCI COMPATIBLE	
	INPUT OPERATING VOLTS	110-120 VAC 60HZ				220 VAC 50/60HZ	
FRAME	TYPE	ERGONOMIC WELDED ROLL CAGE					
	MATERIAL SQUARE TUBE STEEL [in/mm]	0.75 / 49		0.75 & 1.00 / 49 & 25.4		0.75 / 49	0.75 & 1.00 / 49 & 25.4
	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 STANDARDS					
	COATING	POWDER COAT					
	DEFAULT COLOR	DARK GRAY					

Periods Used to Designate Decimal Points

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