COMPOSITE FAN TECHNOLOGY

FRP Marine Tubeaxial Fan

Corrosion Resistant • Rugged Construction

FRP Fan Construction

The FRP fans are constructed from Flame Resistance Hetron polyester and epoxy vinyl ester resins. These fans have the addition of antimony compounds to provide a flame spread rating of 25 or less per ASTM E84. Fans can also be made from Phenolic resins to meet the following.

Low Smoke, Flame, and Toxicity

Fans constructed of Phenolic Composites exceed the requirements of MIL-STD-2031 (SH), Fire and Toxicity Test Methods and Qualification Procedure for Composite Material Systems used in Hull, Machinery, and Structural Applications inside Naval Submarines.

The following chart contains the requirements and test methods for your reference.

Submarine Composite Fire Performance Acceptance Criteria

Fire Test / Characteristic	Requirements	Test Method
Oxygen-Temperature Index (%) % oxygen at 25° C % oxygen at 75° C % oxygen at 300° C	Minimum 35 30 21	ASTM D-2863 (Modified)
Flame Spread Index	Maximum 20	ASTM E-162
Ignitability (sec) 100 kW/m² irradiance 75 kW/m² irradiance 50 kW/m² irradiance 25 kW/m² irradiance	Minimum 60 90 150 300	ASTM E-1354
Heat Release (kW/m²) 100 kW/m² irradiance, Peak Average for 300 sec 75 kW/m² irradiance, Peak Average for 300 sec 50 kW/m² irradiance, Peak Average for 300 sec 25 kW/m² irradiance, Peak Average for 300 sec	Maximum 150 120 100 100 65 50 50 50	ASTM E-1354
Smoke Obscuration Ds during 300 sec Dmax	Maximum 100 200	ASTM E-662
Combustion Gas Generation (25 kW/m²)	CO = 200 ppm CO2 = 4%v HCN = 30 ppm HCL = 100 ppm	ASTM E-1354
N-Gas Model Smoke Toxicity Screening Test	No deaths Pass	Modified NBSTTM
Quarter-Scale Fire Test	No flasherover in 10 minutes	Quarter-Scale test
Burn-Through Fire Teat	No burn-through in 30 minutes	Burn-through Fire Test

MARINE APPLICATIONS

Composite Fan Technology has developed and produced fans for marine application.

Composite fans offer the following advantages:

- Light Weight
- Corrosion Resistance

- Low Smoke, Flame, and Toxicity *
- Low Noise

- Reduce Maintenance Costs

*Fans constructed of **Phenolic Composites** exceed the requirements of MIL-STD-2031 (SH), Fire and Toxicity Test Methods and Qualification Procedure for Composite Material Systems used in hull, machinery, and structural applications inside Naval Submarines

Fan Specification

COMPOSITE FAN TECHNOLOGY direct drive Axial Flow MARINE DUTY FANS, Size 12 to 60; consist of an FRP housing and wheel formulated from special resins to meet the Low Smoke, Flame and Toxicity requirements with the added features of Light Weight, Corrosion Resistance and Low Noise.

The fan housing shall be of rugged construction with integrally molded flanges. The internal motor mount shall be of solid fiberglass construction and all hardware shall be 316 stainless steel.

The fan propeller is to be directly mounted to the motor shaft. Fiberglass blades shall have an airfoil and helical design and attached to a fiberglass hub.

Motor electrical leads are to be extended through conduit to the exterior of the fan to a junction box mounted on the housing. The motor bearings, if relubricable, will have lubrication lines extended to the exterior of the housing and mounted next to the junction box.

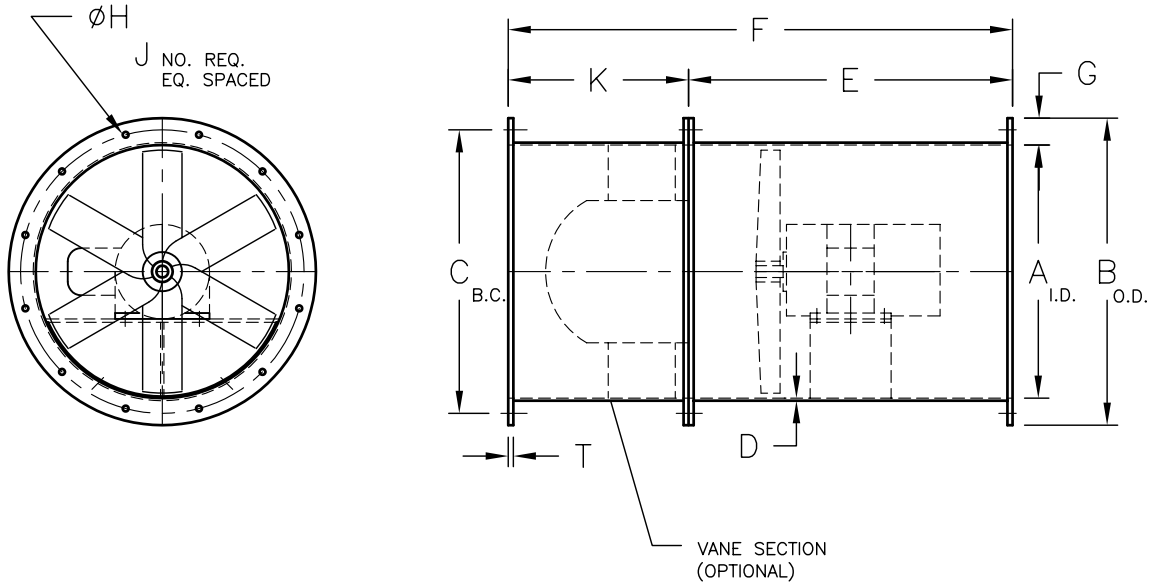
Available accessories include:

-Vane Section
-Static Grounding
-Access door
-Vertical / Horizontal mounting arrangements
-Inlet screens
-Inlet Bell

Standard finish is a special Fire Retardant Coating.
Motors to meet your specifications

MARINE TA FANS

MODELS – MTA, MTAV



FAN SIZE	A	B	C	D	E	F	G	H	J	K	T	MAX MOTOR FRAME SIZE
12	$12\frac{1}{2}$	17	$15\frac{1}{2}$	$\frac{3}{16}$	20	28	$2\frac{1}{4}$	$\frac{7}{16}$	8	8	$\frac{3}{8}$	182T
16	$16\frac{1}{2}$	21	$19\frac{1}{2}$	$\frac{3}{16}$	24	32	$2\frac{1}{4}$	$\frac{7}{16}$	8	8	$\frac{3}{8}$	184T
18	$18\frac{1}{2}$	23	$21\frac{1}{2}$	$\frac{3}{16}$	24	32	$2\frac{1}{4}$	$\frac{7}{16}$	8	8	$\frac{3}{8}$	213T
20	$20\frac{1}{2}$	25	$23\frac{1}{2}$	$\frac{3}{16}$	28	38	$2\frac{1}{4}$	$\frac{7}{16}$	8	10	$\frac{1}{2}$	254T
24	$24\frac{1}{2}$	29	$27\frac{1}{2}$	$\frac{3}{16}$	28	38	$2\frac{1}{4}$	$\frac{7}{16}$	12	10	$\frac{1}{2}$	254T
28	$28\frac{1}{2}$	33	$31\frac{1}{2}$	$\frac{3}{16}$	32	46	$2\frac{1}{4}$	$\frac{7}{16}$	12	14	$\frac{1}{2}$	256T
32	$32\frac{1}{2}$	37	$35\frac{1}{2}$	$\frac{1}{4}$	34	48	$2\frac{1}{4}$	$\frac{7}{16}$	12	14	$\frac{1}{2}$	284T
36	$36\frac{1}{2}$	$41\frac{3}{4}$	$40\frac{1}{4}$	$\frac{1}{4}$	36	50	$2\frac{5}{8}$	$\frac{7}{16}$	12	14	$\frac{1}{2}$	286T
40	$40\frac{1}{2}$	$45\frac{3}{4}$	$44\frac{1}{4}$	$\frac{1}{4}$	40	54	$2\frac{5}{8}$	$\frac{7}{16}$	16	14	$\frac{5}{8}$	324T
44	$44\frac{1}{2}$	$49\frac{3}{4}$	$48\frac{1}{4}$	$\frac{5}{16}$	48	62	$2\frac{5}{8}$	$\frac{7}{16}$	16	14	$\frac{5}{8}$	324T
48	$48\frac{1}{2}$	54	$52\frac{1}{2}$	$\frac{5}{16}$	48	64	$2\frac{3}{4}$	$\frac{9}{16}$	16	16	$\frac{5}{8}$	324T
54	$54\frac{1}{2}$	60	$58\frac{1}{2}$	$\frac{5}{16}$	48	68	$2\frac{3}{4}$	$\frac{9}{16}$	16	20	$\frac{5}{8}$	364T
60	$60\frac{1}{2}$	$66\frac{1}{2}$	65	$\frac{5}{16}$	48	68	3	$\frac{9}{16}$	16	20	$\frac{5}{8}$	365T

Composite Fan Technology MARINE DUTY DUCT FANS MODEL: MTA

SIZE	RPM	STATIC PRESSURE - CFM / BHP											
		0"	.125"	.25"	.375"	.5"	.625"	.75"	1"	1.25"	1.5"	1.75"	2"
12	1750	1570 / .10	1360 / .11	1130 / .11									
12	3450	2070 / .35	1980 / .38	1890 / .39	1800 / .41	1720 / .42	1630 / .43	1540 / .45	1320 / .47	780 / .48			
16	1160	2120 / .10	1869 / .11	1450 / .12									
16	1750	3029 / .24	2879 / .25	2730 / .26	2575 / .28	2430 / .30	2100 / .35	1820 / .41	1480 / .48				
16	3450	5800 / 1.75	5725 / 1.85	5650 / 1.95	5575 / 2.05	5500 / 2.15	5425 / 2.25	5350 / 2.35	5275 / 2.45	5075 / 2.6	4850 / 2.75	4659 / 2.9	4450 / 3.05
18	1160	3005 / .13	2400 / .13										
18	1750	4150 / .34	3820 / .35	3407 / .36	2925 / .37	2210 / .37							
18	3450	7780 / 2.89	7620 / 2.99	7505 / 3.12	7412 / 3.23	7325 / 3.28	7185 / 3.45	7041 / 3.63	6900 / 3.81	6720 / 3.99	6540 / 4.17	6330 / 4.35	6118 / 4.49
24	1160	6840 / .52	6045 / .59	5190 / .65	4000 / .79								
24	1750	9450 / 1.40	9250 / 1.46	9080 / 1.53	8895 / 1.55	8679 / 1.59	8429 / 1.67	8179 / 1.8	7679 / 1.89	6170 / 2.15	4675 / 2.4	3930 / 2.62	3180 / 2.85
28	1160	9800 / .95	9500 / 1.05	9102 / 1.16	8705 / 1.2	8304 / 1.28	7067 / 1.39	5830 / 1.51	4593 / 1.62				
28	1750	14890 / 3.15	14646 / 3.33	14405 / 3.5	14160 / 3.68	13925 / 3.85	13558 / 4.04	13190 / 4.23	12824 / 4.42	12174 / 4.7	11520 / 4.98	10070 / 5.12	8610 / 5.3
32	1160	14880 / 1.75	14460 / 1.94	14035 / 2.15	13615 / 2.35	13195 / 2.5	12495 / 2.71	11800 / 2.93	11110 / 3.15	8645 / 3.35	6170 / 3.59		
32	1750	21090 / 5.5	20798 / 5.8	20505 / 6.1	20215 / 6.4	19928 / 6.7	19550 / 7.1	19168 / 7.4	18780 / 7.7	18185 / 8.2	17780 / 8.6	17100 / 9.0	16520 / 9.4

Performance shown is for installation type D - Ducted inlet, Ducted outlet
Performance ratings do not include the effects of appurtenances in the air stream
RPM shown is nominal

Composite Fan Technology MARINE DUTY DUCT FANS MODEL: MTA

SIZE	RPM	STATIC PRESSURE - CFM / BHP											
		0"	.125"	.25"	.375"	.5"	.625"	.75"	1"	1.25"	1.5"	1.75"	2"
36	870	16000 / 1.14	14900 / 1.25	13800 / 1.3	12500 / 1.4	10800 / 1.45							
36	1160	21000 / 2.6	20200 / 2.7	19300 / 2.8	18500 / 2.9	17600 / 3.1	16500 / 3.2	15400 / 3.3	10900 / 3.5				
36	1750	29700 / 7.6	29200 / 7.8	28700 / 8.0	28200 / 8.1	27700 / 8.3	27100 / 8.5	26600 / 8.7	25400 / 9.0	24100 / 9.4	22600 / 9.6	21200 / 9.8	18900 / 9.9
40	870	21400 / 1.6	20000 / 1.8	18500 / 1.9	17000 / 2.0	15100 / 2.1	12600 / 2.2	9330 / 2.3					
40	1160	29100 / 4.0	28000 / 4.3	26900 / 4.5	25800 / 4.6	24600 / 4.7	23400 / 4.8	22100 / 4.9	18800 / 5.1	13200 / 5.2			
40	1750	41500 / 16	41300 / 16.7	41000 / 17	40700 / 17.5	40400 / 18.5	40000 / 19	39500 / 19.7	39000 / 20.5	38300 / 21.5	37600 / 22.7	36900 / 23.5	36200 / 24.5
44	870	26000 / 2.7	24700 / 2.8	23200 / 2.9	21500 / 3.0	19600 / 3.1	17000 / 3.2						
44	1160	40600 / 11.7	39900 / 12	39200 / 12.2	38500 / 12.5	37800 / 12.8	37100 / 13	36300 / 13.3	34900 / 13.9	33000 / 14.4	31000 / 15	29000 / 15.5	27000 / 16
44	1750	54700 / 26.9	54400 / 27.5	54100 / 28.1	53800 / 28.7	53500 / 29.3	53200 / 30	52800 / 31	52500 / 32	52100 / 33	51800 / 34	51000 / 35.5	50200 / 37
48	700	29700 / 3	27800 / 3.2	25500 / 3.5	22800 / 3.3	19600 / 3.6	16400 / 3.9						
48	870	34900 / 4.8	34100 / 5.3	33300 / 5.8	32500 / 6.3	31700 / 6.8	29600 / 7.5	28300 / 8.2	27000 / 8.9	23000 / 9.6	19500 / 10.3	16300 / 11	13100 / 11.9
48	1140	43200 / 12.2	42500 / 12.5	41800 / 12.7	41000 / 13	40300 / 13.3	39500 / 13.6	38700 / 13.9	37200 / 14.5	35700 / 15	34200 / 15.5	32700 / 15.9	31200 / 16.5
48	1750	72000 / 41.5	71700 / 42.2	71400 / 43	71100 / 43.8	70800 / 44.5	70300 / 45.5	69800 / 46.5	69300 / 47.5	68500 / 49.5	67700 / 52	65700 / 54	63500 / 56
54	700	44400 / 4.7	41900 / 4.9	39400 / 5.2	36600 / 5.3	33600 / 5.8	30500 / 6.5	29000 / 7.5	27500 / 8.5				
54	870	49500 / 8.6	48800 / 8.9	48100 / 9.6	47400 / 10.3	46700 / 11.5	45200 / 12.5	43700 / 13.5	42200 / 15	38700 /16	35200 / 17	34100 / 18	23000 / 19
54	1140	65500 / 20	64800 / 21	64100 / 22	63400 / 23	62700 / 24	61700 / 25	60500 / 26.5	59300 / 28	57800 / 29.5	56300 / 31	54800 / 32.5	52300 / 34
60	700	57600 / 7	54500 / 7.2	52500 / 8	50400 / 8.6	49000 / 9.8	47000 / 10.5	45000 / 11.2	43000 / 12.5	37000 / 13.5	29000 / 14.5	21000 / 15.5	
60	870	72100 / 14	70400 / 15	68700 / 16	67000 / 17	65300 / 18	63700 / 19.5	62100 / 21	60500 / 22.5	58000 / 24	55500 / 25.5	51500 / 27	48000 / 28.5
60	1140	91500 / 36	90900 / 37	90300 / 38	89700 / 39	89100 / 40	87600 / 41	86000 / 42	84000 / 44.5	82500 / 46	81000 / 47.5	79400 / 50	77800 / 52.5

Performance shown is for installation type D - Ducted inlet, Ducted outlet
Performance ratings do not include the effects of appurtenances in the air stream
RPM shown is nominal

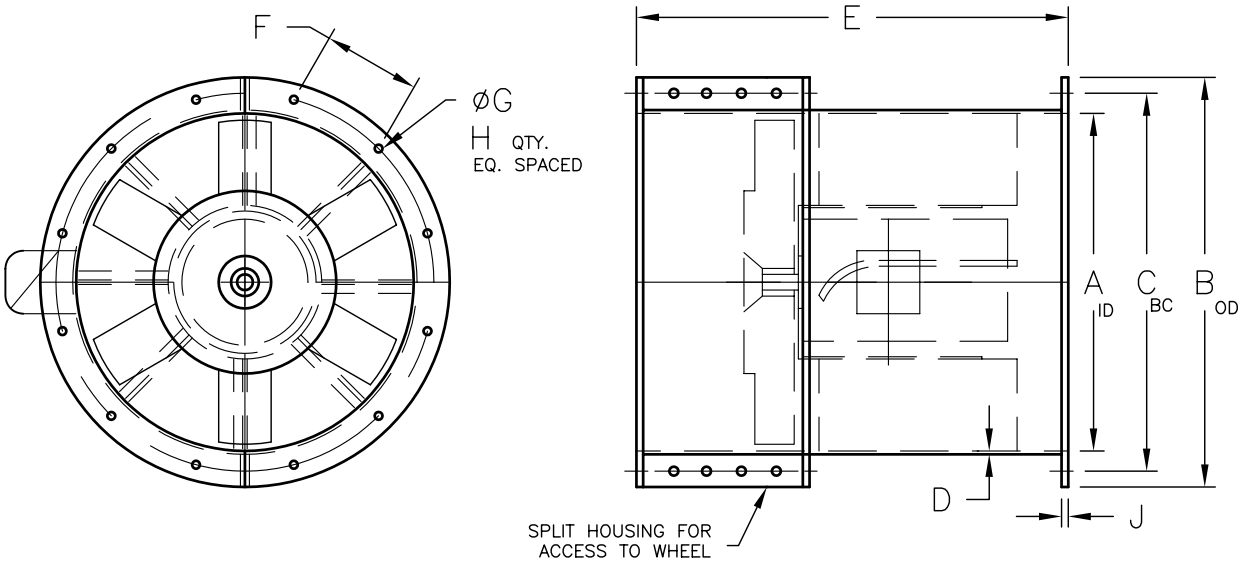
Composite Fan Technology MARINE DUTY VANE AXIAL FANS MODEL: MTAV

SIZE	RPM	STATIC PRESSURE - CFM / BHP											
		0"	1/4"	1/2"	1"	1 1/4"	1 1/2"	1 3/4"	2"	2 1/2"	3"	3 1/2"	4"
12	3450	2450 / .81	2390 / .87	2320 / .9	2140 / .93	2030 / .96	1910 / .99						
16	1750	1355 / .46	1310 / .48										
16	3450	5265 / 2.2	5220 / 2.24	5170 / 2.28	5120 / 2.32	5070 / 2.36	5025 / 2.4	4885 / 2.5	4730 / 2.6	4440 / 2.7	4100 / 3.1	3640 / 3.3	2565 / 3.4
18	1750	2240 / .6	2190 / .7										
18	3450	7500 / 3.5	7430 / 3.55	7360 / 3.6	7290 / 3.65	7220 / 3.7	7150 / 3.75	6955 / 3.9	6760 / 4.1	6360 / 4.6	5960 / 4.8	5510 / 4.95	4300 / 5.14
24	1160	2250 / .85	2190 / .89										
24	1750	7500 / 2	7300 / 2.1	7100 / 2.2	6900 / 2.3	6700 / 2.4	6500 / 2.5	5500 / 2.6	4500 / 2.7	3300 / 3	2100 / 3.3		
28	1160	6800 / 1.6	6200 / 1.64	5600 / 1.68	5000 / 1.72	4400 / 1.76	3800 / 1.82	3200 / 1.86					
28	1750	13000 / 4.1	12800 / 4.2	12600 / 4.3	12400 / 4.4	12200 / 4.5	12000 / 4.6	11500 / 4.8	11000 / 5.0	10400 / 5.2	9800 / 5.4	9200 / 5.6	8600 / 5.8
32	1160	12000 / 2.8	11500 / 2.9	11000 / 3.0	10500 / 3.1	10000 / 3.2	9500 / 3.3	8500 / 3.6	7500 / 3.9	6500 / 4.2			
32	1750	20000 / 7.2	19800 / 7.4	19600 / 7.6	19400 / 7.8	19200 / 8.0	19000 / 8.3	18500 / 8.7	18000 / 9.1	16800 / 9.9	15500 / 10.3	14000 / 10.9	12000 / 12
36	1160	21000 / 2.6	20200 / 2.7	19300 / 2.8	18500 / 2.9	17600 / 3.1	16500 / 3.2	15400 / 3.3	10900 / 3.5				
36	1750	29700 / 7.6	29200 / 7.8	28700 / 8.0	28200 / 8.1	27700 / 8.3	27100 / 8.5	26600 / 8.7	25400 / 9.0	24100 / 9.4	22600 / 9.6	21200 / 9.8	18900 / 9.9
40	1160	29100 / 4.0	28000 / 4.3	26900 / 4.5	25800 / 4.6	24600 / 4.7	23400 / 4.8	22100 / 4.9	18800 / 5.1	13200 / 5.2			
40	1750	41500 / 16	41300 / 16.7	41000 / 17	40700 / 17.5	40400 / 18.5	40000 / 19	39500 / 19.7	39000 / 20.5	38300 / 21.5	37600 / 22.7	36900 / 23.5	36200 / 24.5
44	1160	40600 / 11.7	39900 / 12	39200 / 12.2	38500 / 12.5	37800 / 12.8	37100 / 13	36300 / 13.3	34900 / 13.9	33000 / 14.4	31000 / 15	29000 / 15.5	27000 / 16
44	1750	54700 / 26.9	54400 / 27.5	54100 / 28.1	53800 / 28.7	53500 / 29.3	53200 / 30	52800 / 31	52500 / 32	52100 / 33	51800 / 34	51000 / 35.5	50200 / 37
48	1140	43200 / 12.2	42500 / 12.5	41800 / 12.7	41000 / 13	40300 / 13.3	39500 / 13.6	38700 / 13.9	37200 / 14.5	35700 / 15	34200 / 15.5	32700 / 15.9	31200 / 16.5
48	1750	72000 / 41.5	71700 / 42.2	71400 / 43	71100 / 43.8	70800 / 44.5	70300 / 45.5	69800 / 46.5	69300 / 47.5	68500 / 49.5	67700 / 52	65700 / 54	63500 / 56
54	870	49500 / 8.6	48800 / 8.9	48100 / 9.6	47400 / 10.3	46700 / 11.5	45200 / 12.5	43700 / 13.5	42200 / 15	38700 /16	35200 / 17	34100 / 18	23000 / 19
54	1140	65500 / 20	64800 / 21	64100 / 22	63400 / 23	62700 / 24	61700 / 25	60500 / 26.5	59300 / 28	57800 / 29.5	56300 / 31	54800 / 32.5	52300 / 34
60	870	72100 / 14	70400 / 15	68700 / 16	67000 / 17	65300 / 18	63700 / 19.5	62100 / 21	60500 / 22.5	58000 / 24	55500 / 25.5	51500 / 27	48000 / 28.5
60	1140	91500 / 36	90900 / 37	90300 / 38	89700 / 39	89100 / 40	87600 / 41	86000 / 42	84000 / 44.5	82500 / 46	81000 / 47.5	79400 / 50	77800 / 52.5

Performance shown is for installation type D - Ducted inlet, Ducted outlet
Performance ratings do not include the effects of appurtenances in the air stream

MARINE VA FANS

MODEL – MVA



FAN SIZE	RPM AC	HORSE POWER	CFM	SP. IN. WATER	A	B	C	D	E	F	G	H	J	MIN MOTOR FRAME SIZE
VA1	3600	1	1030	2.65	$12\frac{3}{4}$	16	$14\frac{3}{4}$	$\frac{3}{16}$	$19\frac{3}{8}$	2.68	$\frac{17}{32}$	16	$\frac{3}{8}$	56
VA1$\frac{1}{2}$	3600	$1\frac{1}{4}$	1500	3.0	$14\frac{1}{4}$	$17\frac{1}{2}$	16	$\frac{3}{16}$	20	2.30	$\frac{17}{32}$	20	$\frac{3}{8}$	56
VA2	3600	$1\frac{1}{2}$	2000	3.4	$16\frac{1}{2}$	$18\frac{7}{8}$	$17\frac{1}{2}$	$\frac{3}{16}$	26	3.04	$\frac{17}{32}$	18	$\frac{3}{8}$	56
VA2$\frac{1}{2}$	3600	2	2600	3.4	$16\frac{1}{2}$	$18\frac{15}{16}$	$17\frac{1}{2}$	$\frac{3}{16}$	24	3.04	$\frac{17}{32}$	18	$\frac{3}{8}$	56/184
VA3	$\frac{1800}{1200}$	3	2600	3.4	$21\frac{1}{8}$	$24\frac{5}{8}$	$20\frac{1}{4}$	$\frac{3}{16}$	$29\frac{5}{8}$	3.03	$\frac{17}{32}$	24	$\frac{3}{8}$	215
VA3$\frac{1}{2}$	1800	3	3750	3.5	$22\frac{1}{8}$	$25\frac{13}{16}$	$24\frac{1}{2}$	$\frac{3}{16}$	28	3.20	$\frac{17}{32}$	24	$\frac{3}{8}$	184
VA4$\frac{1}{2}$	3600	5	3220	7.0	18	$21\frac{1}{4}$	$19\frac{3}{4}$	$\frac{3}{16}$	$27\frac{1}{8}$	2.68	$\frac{17}{32}$	24	$\frac{3}{8}$	215
VA5	$\frac{1800}{1200}$	4	4200	3.75	$23\frac{1}{4}$	$26\frac{9}{16}$	$25\frac{1}{4}$	$\frac{3}{16}$	$29\frac{5}{8}$	3.04	$\frac{17}{32}$	26	$\frac{3}{8}$	215
VA6	$\frac{1800}{1200}$	5	6300	3.65	$25\frac{1}{8}$	$28\frac{5}{8}$	$27\frac{1}{4}$	$\frac{3}{16}$	$29\frac{5}{8}$	2.95	$\frac{17}{32}$	30	$\frac{3}{8}$	215
VA7	$\frac{3600}{1800}$	$7\frac{1}{2}$	5200	7.0	$19\frac{1}{2}$	$22\frac{3}{4}$	$21\frac{1}{4}$	$\frac{3}{16}$	32	2.38	$\frac{17}{32}$	28	$\frac{3}{8}$	215
VA8	$\frac{1800}{1200}$	8	7300	3.3	$27\frac{1}{4}$	$30\frac{9}{16}$	$29\frac{1}{4}$	$\frac{3}{16}$	$32\frac{1}{4}$	3.04	$\frac{17}{32}$	30	$\frac{3}{8}$	215
VA10	$\frac{1800}{1200}$	$7\frac{1}{2}$	8500	4.2	$29\frac{1}{4}$	$32\frac{5}{8}$	$31\frac{1}{4}$	$\frac{1}{4}$	$32\frac{1}{4}$	3.06	$\frac{17}{32}$	32	$\frac{1}{2}$	256
VA11	$\frac{1800}{1200}$	$12\frac{1}{2}$	8700	5.5	$31\frac{1}{4}$	$35\frac{5}{8}$	$33\frac{5}{16}$	$\frac{1}{4}$	$40\frac{1}{8}$	2.90	$\frac{17}{32}$	36	$\frac{1}{2}$	256
VA12	$\frac{1800}{1200}$	10	10250	5.0	$29\frac{1}{4}$	$32\frac{5}{8}$	$31\frac{1}{4}$	$\frac{1}{4}$	$37\frac{7}{8}$	3.06	$\frac{17}{32}$	32	$\frac{1}{2}$	256
VA16	$\frac{1800}{1200}$	16	13200	4.75	$31\frac{1}{4}$	$35\frac{9}{16}$	$33\frac{5}{16}$	$\frac{1}{4}$	$37\frac{7}{8}$	2.90	$\frac{17}{32}$	36	$\frac{1}{2}$	256
VA17	$\frac{1800}{1200}$	$17\frac{1}{2}$	12300	6.2	$34\frac{1}{4}$	$38\frac{5}{8}$	$36\frac{5}{8}$	$\frac{1}{4}$	42	2.62	$\frac{17}{32}$	44	$\frac{1}{2}$	256
VA20	$\frac{1800}{1200}$	$17\frac{1}{2}$	18000	4.85	36	$39\frac{7}{16}$	38	$\frac{1}{4}$	$38\frac{7}{8}$	2.98	$\frac{17}{32}$	40	$\frac{1}{2}$	286
VA25	$\frac{1200}{900}$	25	22000	3.95	$42\frac{1}{2}$	$45\frac{9}{16}$	$44\frac{5}{16}$	$\frac{5}{16}$	52	3.03	$\frac{17}{32}$	46	$\frac{5}{8}$	326
VA28	$\frac{1800}{1200}$	25	18750	6.4	36	$40\frac{3}{8}$	38	$\frac{1}{4}$	50	2.98	$\frac{17}{32}$	40	$\frac{1}{2}$	286
VA30	$\frac{1200}{900}$	25	25000	4.2	$44\frac{1}{4}$	$49\frac{5}{8}$	$46\frac{5}{16}$	$\frac{5}{16}$	52	3.03	$\frac{17}{32}$	46	$\frac{5}{8}$	326

ADDITIONAL MODELS AVAILABLE
CONTACT FACTORY

Composite Fan Technology Marine Duty Vane Axial Fans

Marine Vane Axial Fans Model: MVA

SIZE	RPM	MAX BHP	TOTAL PRESSURE (in. w.g.)										
			1	1.5	2	2.5	3	3.5	4	4.5	5	6	7
VA-1	3450	0.55	1884	1642	1385	1098							
VA-1.5	3450	0.68	2582	2178	1734								
VA-2	3450	1.33	3524	3233	2933	2621	2291						
VA-2.5	3450	1.79	4258	3955	3645	3325	2992						
VA-3	1750	2.21	6415	5779	5115	4414	3657	2641	2262				
	1150	0.63	3005										
VA-3.5	1750	2.75	7806	7064	6291	5477	4603	3627					
VA-4.5	3450	4.44	6851	6575	6295	6011	5723	5430	5130	4825	4511	3849	
VA-5	1750	2.99	8143	7462	6762	6038	5281	4475					
	1150	0.85	4140	2964									
VA-6	1750	3.82	11764	10564	9315	7998	6568						
	1150	1.08	5566	2558									
VA-7	3450	7.71	10975	10563	10145	9720	9288	8848	8398	7938	7466	6473	5379
	1750	1.01	4303	3362	2218								
VA-8	1750	4.54	12689	11597	10470	9295	8051	6689					
	1150	1.29	6387	4436									
VA-10	1750	7.32	15494	14600	13686	12754	11800	10818	9799	8730			
	1150	2.08	8591	7125	5524								
VA-11	1750	10.02	20761	19584	18384	17158	15899	14601	13252	11833	10299		
	1150	2.84	11553	9618	7495								
VA-12	1750	8.86	17488	16557	15609	14645	13657	12646	11604	10523	9388		
	1150	2.51	9841	8328	6704								
VA-16	1750	12.74	23300	22170	21053	19855	18665	17448	16200	14913	13578		
	1150	3.61	13311	11487	9551								
VA-17	1750	14.68	25415	24279	23127	21956	20764	19548	18304	17204	15701	12855	
	1150	4.17	14696	12870	10942	8838							
VA-20	1750	14.4	31879	30317	28725	27098	25432	23717	21945	20096	18144	13604	
	1150	4.93	18185	15625	12853	9622							
VA-25	1150	16.95	37111	34860	32560	30206	27786	25286	22680	19925			
	850	6.84	24609	21416	18040	14359							
VA-28	1750	23.01	33996	32740	31469	30182	28877	27552	26206	24835	23437	20532	17418
	1150	6.53	20125	18131	16059	13880							
VA-30	1150	19.36	42058	39547	36985	34362	31667	28884	25984	22921			
	850	7.82	27965	24408	20651	16560							