





Design & Construction — Axial Ventilation Fans produced by Delta "T" Systems are specifically designed and built for the rigors of the marine environment — not adapted from other industries. Flanged housings of welded marine grade aluminum provide light-weight and excellent corrosion resistance. Major assembly hardware is corrosion resistant stainless steel for long life. An external junction box mounted on the housing exterior is provided for electrical connections.

Motors — High efficiency three phase and single phase direct drive motors are utilized to provide quiet continuous duty service. Available with "CE" Classification, 50 or 60 HZ, and optional I-EEE-45 Certification, these motors are designed for worldwide applications and can be provided in nearly any voltage configuration. Standard motor sizes from 1/4 HP (.19 kW) to 30 HP (23.4 kW) are available.

Fan Hubs & Blades — Corrosion resistant aluminum hubs are secured directly to the motor shaft using multiple locking methods for enhanced safety and reliability. Fan blades are non-corrosive polypropylene composite and are pitch adjustable to allow for a wide range of flows and duties. The high performance airfoil blade shape provides for exceptional flow characteristics and low sound levels. All fans are tested in accordance with AMCA Standard 210. Axial Ventilation Fans have a non-overloading characteristic; the peak power input occurs within the range of normal operating pressures and is always exceeded by the motor rating.

Finish — Aluminum housings are provided "mill finish" without paint, or powder coated in any color.

Standard Sizes — Our premium series fans range in size from 12" (305 mm) ID to 60" (1524 mm) ID.

Standard Flows — Ranging from 875 CFM (42 m³/Min) to 100,000+ CFM (1642.4+ m³/Min), Delta "T" Systems Axial Ventilation Fans can be configured to your exacting specifications.

Custom Sizes — Can't source a fan in time or need a drop in replacement for an existing fan? Need a larger flow or diameter than the standard sizes? Just provide us with your requirements and housing dimensions and Delta "T" Systems will build your fan using the same high quality marine components as our premium series.







TUBE AXIAL FAN RATINGS - 3 PHASE 60HZ

| | | | | | | FLOW IN CFM AT STATIC PRESSURE IN INCHES OF WATER | | | | | | | | | | | | | | |
|------|---------------|------------------|--------------|-------------|------|---|----------|---------|----------|--------|----------|---------|----------|-------|-----------|----------|-----------|---------|-----------|----------|
| Size | Model Number | No. Of Blades | Motor BHP | Peak AHP | RPM | Free Air | .125 IN. | .25 IN. | .375 IN. | .5 IN. | .625 IN. | .75 IN. | .875 IN. | 1 IN. | 1.125 IN. | 1.25 IN. | 1.375 IN. | 1.5 IN. | 1.625 IN. | 1.75 IN. |
| 12" | 212183 - 25 | 8 | 0.25 | 0.06 | 1740 | 875 | 786 | 683 | | | | | | | | | | | | |
| | 212183 - 30 | 8 | 0.25 | 0.08 | 1740 | 1090 | 998 | 896 | 725 | | | | | | | | | | | |
| | 212183 - 35 | 8 | 0.25 | 0.1 | 1740 | 1240 | 1150 | 1030 | 870 | | | | | | | | | | | |
| | 212183 - 40 | 8 | 0.25 | 0.13 | 1740 | 1470 | 1340 | 1220 | 1040 | | | | | | | | | | | |
| | 212183 - 45 | 8 | 0.25 | 0.17 | 1740 | 1660 | 1540 | 1400 | 1170 | | | | | | | | | | | |
| | 212363 - 25 | 8 | 0.5 | 0.4 | 3450 | 1720 | 1690 | 1640 | 1590 | 1550 | 1500 | 1450 | 1390 | 1310 | 1220 | 1130 | | | | |
| | 212363 - 30 | 8 | 0.75 | 0.6 | 3450 | 2150 | 2110 | 2060 | 2020 | 1960 | 1920 | 1860 | 1810 | 1750 | 1700 | 1620 | 1520 | 1310 | | |
| | 212363 - 35 | 8 | 0.75 | 0.75 | 3450 | 2460 | 2420 | 2370 | 2330 | 2260 | 2190 | 2140 | 2080 | 2010 | 1960 | 1870 | 1800 | 1680 | 1540 | |
| | 212363 - 40 | 8 | 1 | 0.97 | 3450 | 2860 | 2830 | 2780 | 2710 | 2640 | 2580 | 2520 | 2540 | 2380 | 2320 | 2220 | 2120 | 1990 | 1880 | |
| | 212363 - 45 | 8 | 1.5 | 1.27 | 3450 | 3270 | 3210 | 3160 | 3100 | 3030 | 2970 | 2900 | 2830 | 2730 | 2640 | 2520 | 2410 | 2260 | 2130 | |
| 15" | 215183 - 25 | 10 | 0.25 | 0.19 | 1740 | 1600 | 1550 | 1450 | 1330 | 1100 | | | | | | | | | | |
| | 215183 - 30 | 10 | 0.33 | 0.26 | 1740 | 2000 | 1950 | 1860 | 1730 | 1540 | | | | | | | | | | |
| | 215183 - 35 | 10 | 0.5 | 0.3 | 1740 | 2320 | 2270 | 2160 | 2010 | 1800 | | | | | | | | | | |
| | 215183 - 40 | 10 | 0.5 | 0.38 | 1740 | 2690 | 2610 | 2490 | 2330 | 2110 | | | | | | | | | | |
| | 215183 - 45 | 10 | 0.5 | 0.48 | 1740 | 3160 | 3090 | 2930 | 2750 | 2490 | | | | | | | | | | |
| | 215363 - 25 | 8 | 1 | 0.9 | 3450 | 3170 | 3150 | 3090 | 3020 | 2950 | 2870 | 2780 | 2700 | 2590 | 2520 | 2410 | 2300 | 2180 | 2070 | 1860 |
| | 215363 - 30 | 8 | 1.5 | 1.37 | 3450 | 4010 | 3940 | 3870 | 3800 | 3740 | 3650 | 3580 | 3500 | 3410 | 3250 | 3220 | 3120 | 3000 | 2840 | 2640 |
| | 215363 - 35 | 8 | 2 | 1.93 | 3450 | 4860 | 4810 | 4730 | 4680 | 4600 | 4530 | 4440 | 4360 | 4270 | 4190 | 4080 | 3950 | 3830 | 3670 | 3490 |
| | 215363 - 40 | 8 | 3 | 2.45 | 3450 | 5560 | 5520 | 5440 | 5360 | 5270 | 5160 | 5070 | 4960 | 4860 | 4750 | 4690 | 4570 | 4420 | 4260 | 4060 |
| | 215363 - 45 | 8 | 3 | 3.06 | 3450 | 6220 | 6140 | 6080 | 6010 | 5920 | 5820 | 5710 | 5600 | 5480 | 5380 | 5260 | 5130 | 4950 | 4800 | 4590 |
| 19" | 219183 - 25 | 10 | 0.75 | 0.54 | 1740 | 3500 | 3400 | 3280 | 3120 | 2960 | 2760 | 2500 | 2080 | | | | | | | |
| | 219183 - 30 | 10 | 0.75 | 0.73 | 1740 | 4250 | 4140 | 3980 | 3830 | 3660 | 3440 | 3160 | 2710 | | | | | | | |
| | 219183 - 35 | 10 | 1 | 0.92 | 1740 | 5020 | 4880 | 4730 | 4580 | 4370 | 4120 | 3810 | 3390 | | | | | | | |
| | 219183 - 40 | 10 | 1.5 | 1.28 | 1740 | 6010 | 5860 | 5680 | 5480 | 5250 | 4980 | 4650 | 4210 | | | | | | | |
| | 219183 - 45 | 10 | 2 | 1.65 | 1740 | 6770 | 6610 | 6400 | 6170 | 5920 | 5620 | 5190 | 4700 | | | | | | | |
| 21" | 221183 - 20 | 9 | 1 | 0.963 | 1740 | 4140 | 4020 | 3900 | 3760 | 3620 | 3480 | 3290 | 3190 | 2920 | 2660 | | | | | |
| | 221183 - 25 | 9 | 1.5 | 1.29 | 1740 | 5140 | 5020 | 4880 | 4750 | 4610 | 4490 | 4320 | 4130 | 3900 | 3600 | 3150 | | | | |
| | 221183 - 30 | 9 | 2 | 1.71 | 1740 | 6240 | 6120 | 6000 | 5840 | 5680 | 5510 | 5340 | 5140 | 4880 | 4620 | 4210 | 3640 | | | |
| | 221183 - 32.5 | 9 | 2 | 1.9 | 1740 | 6820 | 6660 | 6500 | 6360 | 6160 | 5980 | 5790 | 5570 | 5300 | 4990 | 4650 | 4160 | | | |
| | 221183 - 35 | 9 | 3 | 2.12 | 1740 | 7350 | 7190 | 7030 | 6870 | 6670 | 6450 | 6220 | 5990 | 5690 | 5400 | 5060 | 4640 | | | |
| | 221183 - 37.5 | 9 | 3 | 2.33 | 1740 | 7880 | 7700 | 7490 | 7350 | 7120 | 6900 | 6670 | 6430 | 6050 | 5750 | 5360 | 4950 | | | |
| | 221183 - 40 | 9 | 3 | 2.6 | 1740 | 8360 | 8160 | 7960 | 7790 | 7580 | 7350 | 7100 | 6850 | 6520 | 5750 | 5710 | 5320 | | | |
| | 221183 - 45 | 9 | 3 | 3.15 | 1740 | 9290 | 9090 | 8900 | 8680 | 8410 | 8160 | 7890 | 7640 | 7300 | 6400 | 6380 | 5610 | | | |

REV. C - 8-14-98

PERFORMANCE BASED UPON 85°F AMBIENT TEMPERATURE, DUCTED INLET AND OUTLET







TUBE AXIAL FAN RATINGS - 3 PHASE 60HZ

| | | | | | | FLOW IN CIPIL AT STATIC PRESSURE IN INCHES OF WATER | | | | | | | | | | | | | | |
|-----|---------------|------------------|--------------|-------------|------|---|-------|-------|--------|-------|--------|-------|-------|-------|---------|---------|----------|-------|-----------|---------|
| Ste | Model Number | No. OI Blades | Motor BHP | Peak ANP | RPN | Free Air | 125 N | 25 W. | J75 BL | DIN | 575 PA | 78 N. | 8751% | 18. | 1.125 N | 1,2514. | 1.375194 | 15% | 1 825 19. | 1.75 (6 |
| 24" | 224113 - 20 | 8 | 0.5 | 0.39 | 1140 | 3850 | 3700 | 3460 | 3130 | 2720 | 2210 | | | | | | | | | |
| | 224113 - 25 | 9 | 0.75 | 0.54 | 1140 | 4980 | 4760 | 4460 | 4150 | 3740 | 3140 | | | | | | | | | |
| | 224113 - 30 | . 6 | 0.75 | 0.74 | 1140 | 6095 | 5820 | 5510 | 5180 | 4750 | 4138 | 3165 | | | | | | | | |
| | 224113 - 32.5 | 9 | 1 | 0.86 | 1140 | 6680 | 6430 | 6080 | 5580 | 5290 | 4620 | 3660 | | | | | | | | |
| | 224113 - 35 | | - 1 | 0.96 | 1140 | 7290 | 6980 | 0600 | 6180 | 5670 | 5100 | 4160 | | | | | | | | |
| | 224113 - 37.5 | 9 | 1 | 1.02 | 1140 | 7840 | 7470 | 7070 | 6830 | 6100 | 5430 | 4450 | | | | | | | | |
| | 224113 - 40 | 9 | 1.5 | 1.15 | 1140 | 8320 | 7960 | 7540 | 7120 | 6520 | 5600 | 4760 | | | | | | | | |
| | 224113 - 45 | | 5.5 | 1.47 | 1140 | 9270 | 6680 | 8450 | 7910 | 7290 | 6430 | 5090 | | | | | | | | |
| | 224183 - 20 | 9 | 1.5 | 1.39 | 1740 | 6010 | 5850 | 5700 | 5540 | 5380 | 5220 | 6000 | 4770 | 4510 | 4270 | 3930 | 3590 | 3270 | | |
| | 224183 - 25 | 9 | 2 | 1.9 | 1740 | 7840 | 7470 | 7290 | 7130 | 6830 | 6750 | 6540 | 6100 | 6060 | 5840 | 5450 | 5090 | 4570 | 4060 | |
| | 224163 - 30 | 9 | 3 | 2.62 | 1740 | 9290 | 9140 | 8940 | 8780 | 8580 | 8350 | 8130 | 7910 | 7680 | 7410 | 7070 | 6580 | 6130 | 5630 | 479 |
| | 224183 - 32.5 | 9 | 3 | 3.06 | 1740 | 10200 | 9980 | 9630 | 9650 | 8450 | 9170 | 8520 | 8670 | 8400 | 8160 | 7750 | 7340 | 6900 | 6340 | 654 |
| | 224183 - 35 | 9 | - 5 | 3.45 | 1740 | 11100 | 10900 | 10800 | 10520 | 10300 | 10000 | 9740 | 9460 | 9120 | 8860 | .8450 | 8020 | 7580 | 7070 | 636 |
| | 224183 - 37.5 | . 9 | - 5 | 3.74 | 1740 | 11900 | 11700 | 11500 | 11200 | 11000 | 10700 | 10400 | 10100 | 9800 | 9510 | 9010 | 8650 | 8140 | 7630 | 678 |
| | 224183 - 40 | 9 | . 6 | 4.15 | 1740 | 12700 | 12600 | 12200 | 12000 | 11700 | 11400 | 11100 | 10900 | 10500 | 10100 | 9640 | 9180 | 8640 | 8070 | 724 |
| | 224183 - 45 | 9 | - 6 | 5.26 | 1740 | 14100 | 13800 | 13600 | 13400 | 13100 | 12800 | 12400 | 12200 | 11700 | 11300 | 10600 | 10400 | 9560 | 8760 | 781 |
| 30" | 230113 - 20 | - 9 | 0.75 | 0.738 | 1140 | 6790 | 6390 | 5000 | 5540 | 5080 | 4400 | i. | | | | | | | | |
| | 230113 - 25 | 9 | 1.5 | 1.12 | 1140 | 8890 | 8470 | 8090 | 7560 | 7120 | 8410 | 6560 | | | | | | | | |
| | 230113 - 30 | 9 | 1.5 | 1.54 | 1140 | 11000 | 10600 | 10200 | 9640 | 9070 | 8430 | 7500 | 6220 | | | | | | | |
| | 230113 - 32.5 | | - 2 | 1.82 | 1140 | 12200 | 11700 | 11200 | 10700 | 10100 | 9450 | 8430 | 7210 | | | | | | | |
| | 230113 - 35 | 9 | 2 | 2.1 | 1140 | 13300 | 12900 | 12300 | 11800 | 11100 | 10600 | 9460 | 8110 | | | | | | | |
| | 230113 - 37.5 | 9 | - 3 | 2.33 | 1140 | 14300 | 13800 | 13300 | 12700 | 12100 | 11300 | 10300 | 9000 | | | | | | | |
| | 230113 - 40 | | - 3 | 2.56 | 1140 | 15300 | 14800 | 14300 | 15700 | 12900 | 12100 | 11100 | 9630 | | | | | | | |
| | 230113 - 45 | 9 | - 3 | 3.3 | 1140 | 17400 | 16800 | 16000 | 15400 | 14400 | 13500 | 12300 | 10900 | | | | | | | |
| | 230183 - 20 | 9 | 3 | 2.67 | 1740 | 10400 | 10100 | 9690 | 9570 | 9290 | 9030 | 8740 | 8450 | 8130 | 7850 | 7530 | 7080 | 6500 | 6080 | 503 |
| | 230183 - 25 | . 0 | - 5 | 3.99 | 1740 | 13800 | 13300 | 13000 | 12800 | 12500 | 12300 | 12000 | 11700 | 11400 | 11000 | 10600 | 10200 | 9670 | 9090 | 847 |
| | 230183 - 30 | 9 | - 5 | 5.46 | 1740 | 16900 | 16600 | 16300 | 16100 | 15700 | 15400 | 15100 | 14700 | 14300 | 14000 | 13600 | 13200 | 12700 | 12100 | 1150 |
| | 230163 - 32.5 | . 9 | 7.5 | 6.47 | 1740 | 18800 | 18300 | 18000 | 17700 | 17400 | 17100 | 16700 | 16300 | 15900 | 15600 | 13100 | 14700 | 14200 | 13500 | 1290 |
| | 230183 - 35 | 9 | 7.5 | 7.5 | 1740 | 20300 | 20100 | 19800 | 19400 | 19100 | 18700 | 18300 | 18000 | 17600 | 17200 | 16700 | 16300 | 15800 | 15200 | 1450 |
| | 230183 - 37.5 | . 9 | 10 | 8.28 | 1740 | 21900 | 21600 | 21200 | 20000 | 20000 | 20200 | 19600 | 19500 | 18900 | 18500 | 18000 | 17600 | 17000 | 16400 | 1570 |
| | 230183 - 40 | 9 | 10 | 9.06 | 1740 | 23400 | 23100 | 22700 | 22400 | 22000 | 21600 | 21200 | 20900 | 20400 | 19900 | 19400 | 18900 | 18200 | 17600 | 1700 |
| 36" | 236113 - 25 | 9 | 2 | 1.83 | 1140 | 12400 | 11800 | 11200 | 10700 | 9990 | 9260 | 8480 | 7320 | 6400 | | | | | | |
| | 236113 - 30 | 9 | 3 | 2.76 | 1140 | 16000 | 15600 | 15000 | 14400 | 13600 | 12900 | 12100 | 11250 | 9100 | | | | | | |
| | 236113 - 32.5 | 9 | 5 | 3.25 | 1140 | 17900 | 17500 | 16800 | 16100 | 15400 | 14700 | 13800 | 12800 | 10500 | | | | | | |
| | 236113 - 35 | 9 | 5 | 3.74 | 1140 | 19700 | 19200 | 18600 | 18000 | 17200 | 16500 | 15500 | 14500 | 12300 | | | | | | |
| | 236113 - 37.5 | 9 | 5 | 4.32 | 1140 | 21700 | 21000 | 20300 | 19700 | 18900 | 18000 | 17100 | 16000 | 14400 | | | | | | |
| | 236113 - 40 | 9 | 5 | 4.89 | 1140 | 23600 | 22900 | 22100 | 21300 | 20500 | 19600 | 18500 | 17600 | 16300 | | | | | | |
| | 236113 - 45 | 9 | 7.5 | 6.54 | 1140 | 26700 | 26100 | 25300 | 24500 | 23600 | 22700 | 21600 | 20400 | 18800 | | | | | | |
| | 236113 - 50 | 9 | 10 | 8.35 | 1140 | 29500 | 28900 | 28000 | 27200 | 26200 | 25200 | 24000 | 22500 | 20400 | | | | | | |
| | 236183 - 25 | 9 | 7.5 | 6.49 | 1740 | 18900 | 18500 | 18200 | 17900 | 17400 | 17100 | 16600 | 16300 | 15900 | 15500 | 15000 | 14400 | 14000 | 13500 | 1290 |
| | 236183 - 30 | 9 | 10 | 9.8 | 1740 | 24600 | 24200 | 23900 | 23500 | 23200 | 22700 | 22300 | 21900 | 21400 | 21000 | 20500 | 20100 | 19600 | 19000 | 1830 |
| | 236183 - 32.5 | 9 | 15 | 11.5 | 1740 | 27300 | 27000 | 26600 | 26300 | 25900 | 25500 | 25100 | 24800 | 24100 | 23700 | 23200 | 22700 | 22200 | 21700 | 2100 |
| | 236183 - 35 | 9 | 15 | 13.3 | 1740 | 30100 | 29900 | 29400 | 29100 | 28800 | 28300 | 27800 | 27400 | 26900 | 26500 | 26000 | 25400 | 25000 | 24400 | 2380 |
| | 236183 - 37.5 | 9 | 15 | 15.3 | 1740 | 33100 | 32700 | 32300 | 31900 | 31500 | 30900 | 30500 | 30000 | 29400 | 28900 | 28400 | 27800 | 27300 | 26600 | 2610 |
| | 236183 - 40 | 9 | 20 | 17.3 | 1740 | 35900 | 35500 | 35000 | 34700 | 34200 | 33600 | 33100 | 32500 | 31900 | 31500 | 30900 | 30400 | 29800 | 28900 | 2830 |
| | 236183 - 45 | 9 | 30 | 23.2 | 1740 | 40800 | 40300 | 39900 | 39400 | 38900 | 38500 | 37900 | 37500 | 37000 | 36300 | 35700 | 35100 | 34500 | 33700 | 3280 |
| | 236183 - 50 | 9 | 30 | 2907 | 1740 | 45200 | 44800 | 44200 | 43700 | 43200 | 42600 | 42000 | 41600 | 40900 | 40300 | 39600 | 38900 | 38300 | 37400 | 3660 |

REV. C - 8-14-98

PERFORMANCE BASED UPON 85°F AMBIENT TEMPERATURE, DUCTED INLET AND OUTLET











