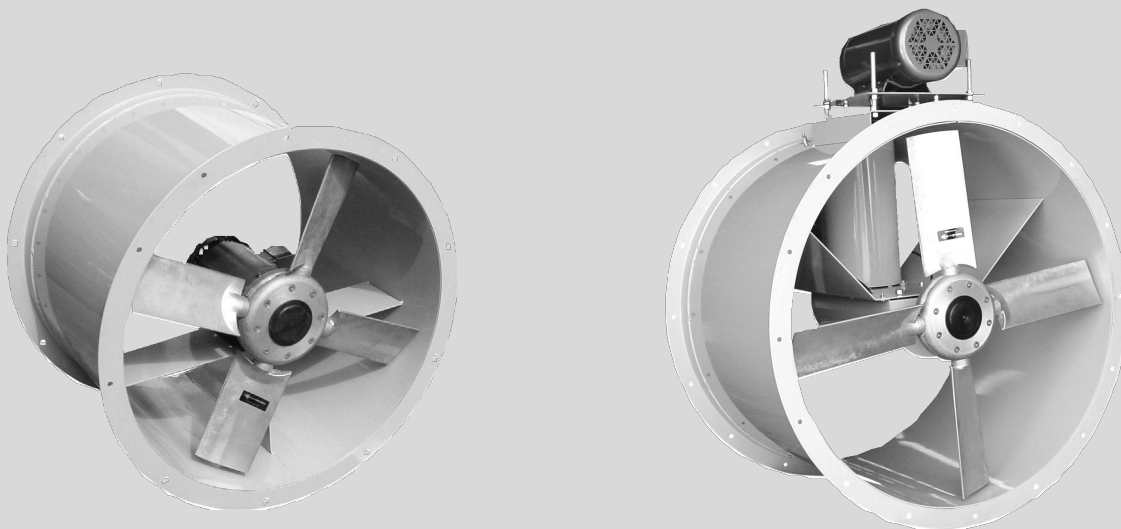


TB / TD

Tube Axial Fans



MoffittCorp.com | (800) 474-3267
1351 13th Ave S. Suite 130
Jacksonville Beach, FL 32250



Model TB &TD Tube Axial Inline Fans

Model TB & TD Tube Axial Inline Fans Description

PRODUCT DESCRIPTION

Model TB & TD Tube Axial Inline Fans are available with belt (TB) and direct drive (TD) motors. These inline ducted fans are designed and built for industrial and commercial applications. Fans can be used for supply, exhaust, or both.

STANDARD FEATURES

- Propeller: High-Performance Propeller
- Housing: Heavy-gauge steel housing with continuously welded seams and welded end flanges.
- End Flanges: steel angle end flange rings with mounting holes to secure fans to ducting.
- Motors: Heavy-duty, totally enclosed fan cooled (TEFC) or explosion proof ball bearing motors. Open drip proof, TEFC, or explosion proof available for belt driven fans.
- Drives: Variable Pitch Drives To 7-1/2 HP – Adjustable for final systems RPM. Belts sized for 165% of driven Hp.
- Pillow Block Bearings: Self-Aligning with a basic rating fatigue life (L10) more than 80,000 hours at each fan's maximum operating speed when mounted in a horizontal configuration.
- Belt lubrication lines: Extended
- Base: Adjustable Motor Base

OPTIONAL FEATURES

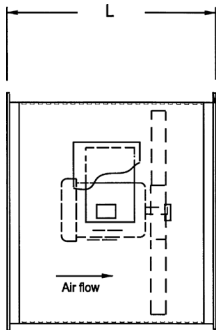
- Belt Guard: belt guards covering the motor sheave and belts outside the fan.
- Motor Cover: weatherproof motor cover protects the motor and drive components.
- Bolted Access Door
- Inlet and Outlet Guards
- Companion flanges & companion angle rings with pre-punched holes
- Special Coatings: color to match.
 - Enamels
 - Epoxies
 - Urethane powder coatings
- Vibration Isolators: base mount or hanging isolators are available.
- Mounting Brackets

INDUSTRY APPLICATION

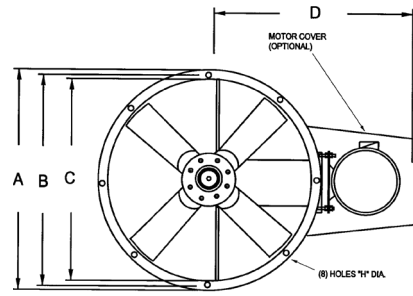
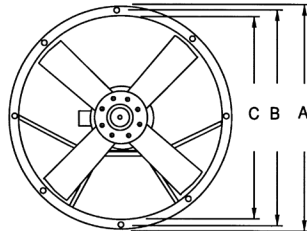
- | | | |
|------------------------|--------------------------|-----------------------|
| ● Aluminum Plants | ● General Manufacturing | ● Pulp & Paper Plants |
| ● Automotive Plants | ● Glass & Glass Products | ● Schools |
| ● Cement & Concrete | ● Heavy Manufacturing | ● Shipping Centers |
| ● Chemical Plants | ● Industrial Plants | ● Steel Mills |
| ● Commercial Buildings | ● Mining & Minerals | ● Supermarkets |
| ● Equipment Rooms | ● Plastics Plants | ● Warehouses |
| ● Foundries & Forging | ● Power Stations | ● +Others |

Model TB & TD Tube Axial Inline Fans

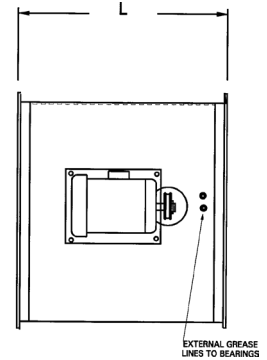
Model TB & TD Fan Submittal Data & Drawings



DIRECT DRIVE



BELT DRIVE



| SIZE | A | B | C | D | L | H | GA |
|------|---------|--------|----|-------|----|------|----|
| 24 | 27-3/16 | 25-7/8 | 24 | 26 | 22 | 7/16 | 12 |
| 30 | 34-3/16 | 32-3/8 | 30 | 29.25 | 24 | 7/16 | 12 |
| 36 | 40-3/16 | 38-3/8 | 36 | 33.75 | 26 | 7/16 | 12 |
| 42 | 46-3/16 | 44-3/8 | 42 | 37.25 | 32 | 7/16 | 10 |

| SIZE | A | B | C | D | L | H | GA |
|------|---------|--------|----|--------|--------|------|----|
| 48 | 52-3/16 | 50-3/8 | 48 | 40-1/2 | 36 | 7/16 | 10 |
| 54 | 58-3/16 | 56-3/8 | 54 | 47-1/4 | 37-1/2 | 7/16 | 10 |
| 60 | 64-3/16 | 62-3/8 | 60 | 50-3/4 | 40 | 7/16 | 10 |



Model TD direct drive tube axial fans are designed for use wherever the air being handled is relatively clean or where temperatures do not exceed the operating limitations of the motor.

Motors supplied are totally enclosed.



Model TB belt driven tube axial fans are designed for use where the fan motor must be kept out of the direct air stream. Belt drive models are suitable for use in the presence of corrosive, dust, and grease laden atmospheres. Belts and bearings are enclosed in air-insulated housing which protects them from contamination, keeps them cool, and prolongs service life under severe operating conditions.

Model TB & TD Tube Axial Inline Fans

Model TD Direct-Drive Performance Data

| MODEL | HP | RPM | MAX BHP | *dBA | STATIC PRESSURE / CAPACITY | | | | | | | |
|------------|-------|------|---------|------|----------------------------|-------|-------|-------|-------|-------|-------|-------|
| | | | | | 0 | .125 | .25 | .375 | .50 | .625 | .50 | 1.0 |
| TD-242-8 | 1/3 | 860 | 0.35 | 66 | 6206 | 5413 | 3961 | 2350 | 905 | | | |
| TD-243-11 | 1/2 | 1160 | 0.60 | 74 | 7061 | 6478 | 5817 | 5030 | 3714 | 2208 | 1535 | |
| TD-244-11 | 3/4 | 1160 | 0.85 | 77 | 8264 | 7672 | 6992 | 5939 | 4703 | 3478 | 2341 | |
| TD-245-11 | 1 | 1160 | 1.15 | 78 | 8938 | 8391 | 7844 | 6970 | 5877 | 4714 | 3596 | |
| TD-246-17 | 1-1/2 | 1725 | 1.70 | 84 | 10074 | 9714 | 9357 | 8981 | 8544 | 8107 | 7667 | 6136 |
| TD-247-17 | 2 | 1725 | 2.33 | 86 | 11201 | 10788 | 10374 | 9947 | 9457 | 8923 | 8365 | 6873 |
| TD-303-8 | 1/2 | 860 | 0.56 | 70 | 9784 | 8712 | 7443 | 5178 | 3086 | 1652 | | |
| TD-304-8 | 3/4 | 860 | 0.88 | 72 | 11066 | 9917 | 8311 | 6035 | 3879 | 1826 | | |
| TD-305-8 | 1 | 860 | 1.15 | 80 | 12252 | 11196 | 9782 | 7847 | 5458 | 3385 | 1602 | |
| TD-305-11 | 1 | 1160 | 1.16 | 80 | 11875 | 11036 | 10169 | 9152 | 7978 | 6318 | 4393 | 2081 |
| TD-306-11 | 1-1/2 | 1160 | 1.71 | 81 | 13912 | 13013 | 12045 | 10897 | 9517 | 7772 | 6076 | 2907 |
| TD-307-11 | 2 | 1160 | 2.31 | 82 | 15070 | 14211 | 13352 | 12067 | 10637 | 8706 | 6802 | 3298 |
| TD-308-11 | 3 | 1725 | 3.48 | 86 | 15858 | 15356 | 14853 | 14342 | 13614 | 12886 | 12160 | 10835 |
| TD-309-11 | 5 | 1725 | 5.65 | 89 | 20397 | 19822 | 19247 | 18672 | 18096 | 17520 | 16884 | 15337 |
| TD-364-8 | 3/4 | 860 | 0.85 | 75 | 13324 | 12050 | 10685 | 9113 | 6920 | 4641 | 2722 | |
| TD-365-8 | 1 | 860 | 1.12 | 76 | 14808 | 13486 | 12102 | 10308 | 8068 | 5558 | 3494 | |
| TD-366-8 | 1-1/2 | 860 | 1.73 | 78 | 16977 | 15761 | 14360 | 12440 | 9841 | 7117 | 4767 | |
| TD-367-11 | 2 | 1160 | 2.27 | 85 | 18671 | 17623 | 16592 | 15493 | 14189 | 12615 | 10850 | 6916 |
| TD-368-11 | 3 | 1160 | 3.27 | 86 | 21775 | 20826 | 19878 | 18863 | 17332 | 15861 | 14025 | 9560 |
| TD-425-8 | 1 | 860 | 1.12 | 78 | 18725 | 16873 | 14615 | 11818 | 8626 | 4196 | 1573 | |
| TD-426-8 | 1-1/2 | 860 | 1.66 | 79 | 21965 | 20132 | 17901 | 15335 | 12341 | 7853 | 3822 | |
| TD-427-8 | 2 | 860 | 2.24 | 81 | 23512 | 21684 | 19454 | 16968 | 13943 | 10047 | 4947 | |
| TD-428-8 | 3 | 860 | 3.22 | 82 | 27040 | 25270 | 23209 | 20805 | 18490 | 14631 | 10880 | 2974 |
| TD-428-11 | 3 | 1160 | 3.12 | 86 | 26328 | 25011 | 23694 | 22149 | 20459 | 18474 | 16478 | 11802 |
| TD-429-11 | 5 | 1160 | 5.59 | 89 | 31988 | 30644 | 29299 | 27774 | 25912 | 24086 | 22273 | 17433 |
| TD-4210-11 | 7-1/2 | 1160 | 8.07 | 91 | 36654 | 35349 | 34043 | 32729 | 30851 | 29016 | 27429 | 23214 |
| TD-487-8 | 2 | 860 | 2.24 | 84 | 24776 | 23339 | 21678 | 19954 | 18312 | 16456 | 14030 | 7809 |
| TD-488-8 | 3 | 860 | 3.52 | 85 | 30631 | 29205 | 27505 | 25759 | 24058 | 22280 | 20093 | 13517 |
| TD-489-8 | 5 | 860 | 5.66 | 87 | 36665 | 35325 | 33892 | 32343 | 30606 | 28869 | 26211 | 18797 |

Model TB & TD Tube Axial Inline Fans

Model TB Belt-Drive Performance Data

| MODEL | HP | RPM | MAX BHP | *dBA | STATIC PRESSURE / CAPACITY | | | | | | | | |
|---------|-------|------|---------|------|----------------------------|-------|-------|-------|-------|-------|-------|-------|--|
| | | | | | 0 | .125 | .25 | .375 | .50 | .625 | .750 | 1.0 | |
| TB-243 | 1/2 | 1260 | 0.52 | 71.6 | 6280 | 5736 | 5043 | 4338 | | | | | |
| TB-244 | 3/4 | 1445 | 0.79 | 74.1 | 7214 | 6730 | 6165 | 5557 | 4933 | | | | |
| TB-245 | 1 | 1595 | 1.06 | 75.8 | 7962 | 7525 | 7044 | 6496 | 5941 | 5353 | | | |
| TB-246 | 1-1/2 | 1820 | 1.57 | 78.1 | 9086 | 8702 | 8318 | 7848 | 7638 | 6881 | 6392 | 5154 | |
| TB-247 | 2 | 2005 | 2.11 | 79.7 | 10009 | 9661 | 9313 | 8924 | 8489 | 8053 | 7610 | 6671 | |
| TB-248 | 3 | 2295 | 3.16 | 82.1 | 11457 | 11153 | 10848 | 10544 | 10189 | 9808 | 9428 | 8657 | |
| TB-303 | 1/2 | 870 | 0.56 | 71.7 | 8907 | 7754 | 6366 | 4104 | | | | | |
| TB-304 | 3/4 | 995 | 0.85 | 74 | 10186 | 9203 | 8112 | 6761 | 4523 | | | | |
| TB-305 | 1 | 1095 | 1.13 | 75.7 | 11210 | 10317 | 9346 | 8219 | 6703 | 4749 | | | |
| TB-306 | 1-1/2 | 1255 | 1.7 | 78.1 | 12848 | 12069 | 11255 | 10389 | 9357 | 8136 | 6353 | | |
| TB-307 | 2 | 1360 | 2.16 | 79.5 | 13923 | 13204 | 12475 | 11676 | 10830 | 9840 | 8606 | | |
| TB-308 | 3 | 1560 | 3.26 | 81.8 | 15971 | 15344 | 14717 | 14053 | 13357 | 12649 | 11786 | 9720 | |
| TB-309 | 5 | 1810 | 5.09 | 84.4 | 18530 | 17990 | 17449 | 16909 | 16328 | 15728 | 15128 | 13733 | |
| TB-365 | 1 | 855 | 1.11 | 76.9 | 14430 | 13067 | 11380 | 9108 | 6538 | | | | |
| TB-366 | 1-1/2 | 975 | 1.64 | 79.2 | 16459 | 15261 | 13872 | 12215 | 10186 | 7915 | | | |
| TB-367 | 2 | 1075 | 2.15 | 80.9 | 18063 | 16979 | 15778 | 14422 | 12690 | 10809 | 8732 | | |
| TB-368 | 3 | 1214 | 3.18 | 83.0 | 20494 | 19531 | 18569 | 17393 | 16197 | 14641 | 13011 | 9401 | |
| TB-369 | 5 | 1435 | 5.26 | 85.9 | 24224 | 23410 | 22596 | 21765 | 20753 | 19742 | 18665 | 15908 | |
| TB-3610 | 7-1/2 | 1642 | 7.56 | 88.3 | 27347 | 26626 | 25905 | 25184 | 24412 | 23516 | 22620 | 20640 | |
| TB-426 | 1-1/2 | 730 | 1.47 | 75.7 | 17999 | 16370 | 14555 | 12442 | | | | | |
| TB-427 | 2 | 810 | 2 | 77.5 | 19972 | 18510 | 16918 | 15177 | 13009 | | | | |
| TB-428 | 3 | 930 | 3.04 | 79.9 | 22930 | 21658 | 20323 | 18911 | 17354 | 15555 | | | |
| TB-429 | 5 | 1105 | 5.11 | 82.9 | 27245 | 26174 | 25103 | 23937 | 22749 | 21478 | 20152 | 16688 | |
| TB-4210 | 7-1/2 | 1260 | 7.56 | 85.2 | 31067 | 30128 | 29188 | 28234 | 27192 | 26149 | 25073 | 22747 | |
| TB-487 | 2 | 651 | 2.08 | 78.0 | 23947 | 21916 | 19598 | 16959 | | | | | |
| TB-488 | 3 | 746 | 3.13 | 80.4 | 27442 | 25673 | 23730 | 21612 | 19246 | | | | |
| TB-489 | 5 | 886 | 5.23 | 83.4 | 32592 | 31103 | 29577 | 27880 | 26109 | 24203 | 21921 | | |
| TB-4810 | 7-1/2 | 1015 | 7.87 | 85.7 | 37337 | 36037 | 34737 | 33328 | 31846 | 30326 | 28662 | 24826 | |
| TB-4811 | 10 | 1118 | 10.46 | 87.4 | 41126 | 39946 | 38766 | 37570 | 36225 | 34880 | 33504 | 30482 | |
| TB-548 | 3 | 595 | 3.15 | 75.8 | 33635 | 31107 | 27709 | 23082 | | | | | |
| TB-549 | 5 | 708 | 5.3 | 78.8 | 40023 | 37898 | 35347 | 32317 | 28429 | | | | |
| TB-5410 | 7-1/2 | 815 | 8.06 | 83.2 | 46071 | 44226 | 42302 | 39821 | 37118 | 33740 | | | |
| TB-5411 | 10 | 895 | 10.68 | 86.1 | 50594 | 48913 | 47223 | 45125 | 42866 | 37144 | | | |
| TB-609 | 5 | 620 | 5.24 | 80.3 | 46690 | 43785 | 40133 | 35494 | 29539 | | | | |
| TB-6010 | 7-1/2 | 704 | 7.65 | 83.1 | 53016 | 50457 | 47431 | 43849 | 39610 | 34366 | | | |
| TB-6011 | 10 | 793 | 10.96 | 85.3 | 59718 | 57447 | 54963 | 52108 | 48690 | 44969 | 40313 | | |