



### General Characteristics of TXD Series Explosion Proof Tubeaxial Direct Drive Duct Fans

The TXD Series Explosion Proof relies on a direct drive engine.

Is made for industrial and commercial use.

Used indoors and in ducting.

14 gauge steel drum including mounting flanges.

Totally Enclosed motors.

Explosion proof motors are Class 1, Div. 1, Group D and Class 2 Div. 1, Groups F & G.

Single Phase motors are field convertible 115V/230V.

Three Phase motors are field convertible 230V/460V.

Motors set at factory to lower voltage unless a request is made at time of order to set to the higher voltage.

Fan can be mounted to operate in any position.

Rugged cast aluminum blade, non-sparking.

Accessories: Companion flanges, fan guards, protective coating and access doors.

All accessories are quoted separately and must be specified with order.



### Product Applications of TXD Series Explosion Proof Tubeaxial Direct Drive Duct Fans

Industrial and Commercial use. Extracts or transports: Heat, steam, smoke, smells, solvents, particles of powder and fluff.

For use in: industrial Bells, cabins of painting, aggressive atmospheres, tanks of electrolysis, towers of cooling, etc.

For indoor use.

### Warranties and Guaranties of TXD Series Explosion Proof Tubeaxial Direct Drive Duct Fans

Manufacturer's Limited Warranty: 1 Year.

### Specific Characteristics of TXD Series Explosion Proof Tubeaxial Direct Drive Duct Fans

Item #	Manufacturing #	Size Ø(In.)	CFM				Volts V	Amperes A	Phases PH	HP	RPM	dB's @10'	Weight and Dimensions with Packaging	
			0"	1/4"	1/2"	3/4"							Lbs.	L,W,H In.
<b>USEXD-001</b>	TXD12-1/4	12	1180	520	-	-	115/230	2.25/1.13	1	1/4	1725	77	42	16,16,16
<b>USEXD-002</b>	TXD12-1/2	12	1875	1400	1250	1100	115/230	4.5/2.25	1	1/2	3450	82	47	16,16,16
<b>USEXD-003</b>	TXD12-3/4	12	2040	1920	1650	1500	115/230	6.76/3.38	1	3/4	3450	83	47	16,16,16



## TXD Series Explosion Proof Tubeaxial Direct Drive Duct Fans Data Sheet

<b>USEXD-004</b>	TXD12-1/4-3	12	1180	520	-	-	230/460	0.73/0.36	3	1/4	1725	77	42	16,16,16
<b>USEXD-005</b>	TXD12-1/2-3	12	1875	1400	1250	1100	230/460	1.45/0.73	3	1/2	3450	82	47	16,16,16
<b>USEXD-006</b>	TXD12-3/4-3	12	2040	1920	1650	1500	230/460	2.16/1.09	3	3/4	3450	83	47	16,16,16
<b>USEXD-007</b>	TXD18-1/4	18	3450	2500	-	-	115/230	2.25/1.13	1	1/4	1725	74	57	16,22,22
<b>USEXD-008</b>	TXD18-1/3	18	3375	2600	1400	-	115/230	2.97/1.49	1	1/3	1725	75	67	16,22,22
<b>USEXD-009</b>	TXD18-1/2	18	4150	3150	1700	-	115/230	4.5/2.25	1	1/2	1725	77	67	16,22,22
<b>USEXD-010</b>	TXD18-1	18	4600	4080	3000	2100	115/230	9.01/4.5	1	1	1725	80	72	16,22,22
<b>USEXD-011</b>	TXD18-1/4-3	18	3450	2500	-	-	230/460	0.73/0.36	3	1/4	1725	74	57	16,22,22
<b>USEXD-012</b>	TXD18-1/3-3	18	3375	2600	1400	-	230/460	0.95/0.48	3	1/3	1725	75	67	16,22,22
<b>USEXD-013</b>	TXD18-1/2-3	18	4150	3150	1700	-	230/460	1.45/0.73	3	1/2	1725	77	67	16,22,22

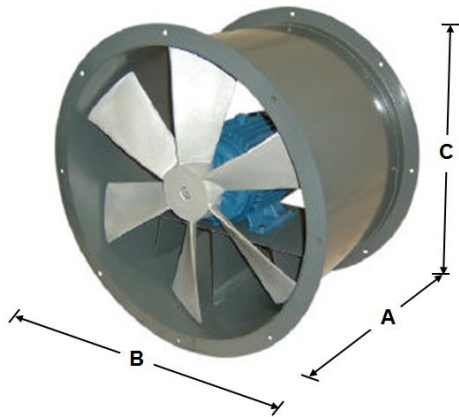
Item #	Manufacturing #	Size Ø(In.)	CFM				Volts V	Amperes A	Phases PH	HP	RPM	dB's @10'	Weight and Dimensions with Packaging	
			0"	1/4"	1/2"	3/4"							Lbs.	L,W,H In.
<b>USEXD-014</b>	TXD18-1-3	18	4600	4080	3000	2100	230/460	2.89/1.45	3	1	1725	80	72	16,22,22
<b>USEXD-015</b>	TXD24-1/4	24	5200	2820	-	-	115/230	2.25/1.13	1	1/4	1725	80	97	20,29,29
<b>USEXD-016</b>	TXD24-1/3	24	4975	4250	2850	-	115/230	2.97/1.49	1	1/3	1140	74	112	20,29,29
<b>USEXD-017</b>	TXD24-1/2	24	6510	5200	3100	1800	115/230	4.5/2.25	1	1/2	1725	80	117	20,29,29
<b>USEXD-018</b>	TXD24-3/4	24	6900	6265	3300	1	115/230	6.76/3.38	1	3/4	1140	74	127	20,29,29
<b>USEXD-019</b>	TXD24-1	24	7425	6350	5000	3300	115/230	9.01/4.5	1	1	1725	82	122	20,29,29
<b>USEXD-020</b>	TXD24-2	24	9525	8810	7980	7800	115/230	18/9.01	1	2	1725	84	122	20,29,29
<b>USEXD-021</b>	TXD24-1/4-3	24	5200	2820	-	-	230/460	0.73/0.36	3	1/4	1725	80	97	20,29,29
<b>USEXD-022</b>	TXD24-1/3-3	24	4975	4250	2850	-	230/460	0.95/0.48	3	1/3	1140	74	112	20,29,29
<b>USEXD-023</b>	TXD24-1/2-3	24	6510	5200	3100	1800	230/460	1.45/0.73	3	1/2	1725	80	117	20,29,29
<b>USEXD-024</b>	TXD24-3/4-3	24	6900	6265	3300	-	230/460	2.16/1.09	3	3/4	1140	74	127	20,29,29
<b>USEXD-025</b>	TXD24-1-3	24	7425	6350	5000	3300	230/460	2.89/1.45	3	1	1725	82	122	20,29,29
<b>USEXD-026</b>	TXD24-2-3	24	9525	8810	7980	6960	230/460	5.78/2.89	3	2	1725	84	122	20,29,29
<b>USEXD-027</b>	TXD24-3-3	24	10500	9500	8700	7800	230/460	13.5/4.34	3	3	1725	86	132	20,29,29
<b>USEXD-028</b>	TXD27-1/2	27	7550	6000	4000	2000	115/230	4.5/2.25	1	1/2	1725	86	127	20,32,32
<b>USEXD-029</b>	TXD27-1	27	9600	8400	7050	4800	115/230	9.01/4.5	1	1	1725	86	157	20,32,32
<b>USEXD-030</b>	TXD27-2	27	11500	10700	9300	8000	115/230	18/9.01	1	2	1725	86	167	20,32,32
<b>USEXD-031</b>	TXD27-1/2-3	27	7550	6000	4000	2000	230/460	1.45/0.73	3	1/2	1725	86	127	20,32,32
<b>USEXD-032</b>	TXD27-1-3	27	9600	8400	7050	4800	230/460	2.89/1.45	3	1	1725	86	157	20,32,32
<b>USEXD-033</b>	TXD27-2-3	27	11500	10700	9300	8000	230/460	5.78/2.89	3	2	1725	86	167	20,32,32
<b>USEXD-034</b>	TXD30-1/2	30	8980	6300	4350	2300	115/230	4.5/2.25	1	1/2	1725	86	132	20,35,35
<b>USEXD-035</b>	TXD30-3/4	30	10440	8750	6000	-	115/230	6.76/3.38	1	3/4	1140	80	152	20,35,35
<b>USEXD-036</b>	TXD30-2	30	12000	10450	8700	6000	115/230	18/9.01	1	2	1725	89	157	20,35,35
<b>USEXD-037</b>	TXD30-1/2-3	30	8980	6300	4350	2300	230/460	1.45/0.73	3	1/2	1725	86	132	20,35,35
<b>USEXD-038</b>	TXD30-3/4-3	30	10440	8750	6000	-	230/460	2.16/1.09	3	3/4	1140	80	152	20,35,35
<b>USEXD-039</b>	TXD30-2-3	30	12000	10450	8700	6000	230/460	5.78/2.89	3	2	1725	89	157	20,35,35
<b>USEXD-040</b>	TXD30-3-3	30	16000	14700	12900	10200	230/460	13.5/4.34	3	3	1725	89	177	20,35,35
<b>USEXD-041</b>	TXD34-1 1/2	34	13350	10000	7300	-	115/230	13.5/6.76	1	1 1/2	1725	88	177	20,39,39
<b>USEXD-042</b>	TXD34-2	34	14850	12100	8800	4000	115/230	18/9.01	1	2	1725	89	205	20,39,39
<b>USEXD-043</b>	TXD34-1 1/2-3	34	13350	10000	7300	-	230/460	4.34/2.16	3	1 1/2	1725	88	177	20,39,39
<b>USEXD-044</b>	TXD34-2-3	34	14850	12100	8800	4000	230/460	5.78/2.89	3	2	1725	89	205	20,39,39
<b>USEXD-045</b>	TXD34-3-3	34	19300	17230	14800	11614	230/460	13.5/4.34	3	3	1140	86	255	20,39,39
<b>USEXD-046</b>	TXD34-5-3	34	21000	18900	17500	14850	230/460	14.5/7.23	3	5	1725	91	225	20,39,39
<b>USEXD-047</b>	TXD36-2-3	36	17620	15200	12300	8500	230/460	5.78/2.89	3	2	1140	84	215	20,41,41
<b>USEXD-048</b>	TXD36-3-3	36	18500	15700	13900	11500	230/460	13.5/4.34	3	3	1725	89	235	20,41,41
<b>USEXD-049</b>	TXD42-2-3	42	17964	15326	12351	7600	230/460	5.78/2.89	3	2	1140	87	265	20,47,47
<b>USEXD-050</b>	TXD42-3-3	42	24500	23000	19650	14000	230/460	13.5/4.34	3	3	1140	87	265	20,47,47
<b>USEXD-051</b>	TXD42-5-3	42	28970	26840	24200	19500	230/460	14.5/7.23	3	5	1140	87	305	20,47,47



**USEXD-052** TXD48-3-3 48 28600 24400 20000 15900 230/460 13.5/4.34 3 3 1140 94 295 20,53,53

**Dimension (In.) of TXD Series Explosion Proof Tubeaxial Direct Drive Duct Fans**

Series	Width A	Length B	Height C
USEXD-001 to 006	14"	14"	14"
USEXD-007 to 014	14"	20"	20"
USEXD-015 to 027	18"	27"	27"
USEXD-028 to 033	18"	33"	33"
USEXD-034 to 040	18"	33"	33"
USEXD-041 to 046	18"	37"	37"
USEXD-047 & 048	18"	39"	39"
USEXD-049 to 051	18"	45"	45"
USEXD-052	18"	51"	51"





## TXD Series Explosion Proof Tubeaxial Direct Drive Duct Fans

### Ratings Definitions

**Class I:** Equipment does not have surface operating temperature in excess of the ignition temperature of the specific gas or vapor.

Application Examples:

- Offshore and land based drilling rigs, petroleum exploration and testing facilities.
- Petroleum refineries, gasoline storage and dispensing areas.
- Industrial firms that use flammable liquids in dip tanks for parts cleaning or other operations.
- Petrochemical companies that manufacture chemicals from gas or oil.
- Dry cleaning facilities where vapors from cleaning fluids may be present.
- Aircraft hangers and fuel servicing areas.
- Utility gas plants and operations involving storage and handling of liquefied petroleum or natural gas.

**Group C:** Atmospheres such as but not limited to acetaldehyde, allyl alcohol, hydrogen sulfide, ethylene, carbon monoxide, or other gases or vapors of equivalent hazard.

**Group D:** Atmospheres such as but not limited to acetone, alcohol, gasoline, lacquer solvent vapors, natural gas, propane or other gases or vapors of equivalent hazard.

**Class II:** Equipment does not have surface temperature greater than the ignition temperature of the specified dust.

Application Examples:

- Coal preparation plants and other carbon handling or processing areas.
- Grain elevators, flour and feed mills.
- Plants which manufacture, use or store Magnesium or Aluminum powders.
- Plants that have chemical or metallurgical processes.
- Producers of starch products or candy.
- Spice grinding plants, sugar plants and cocoa plants.

**Group E:** Atmosphere containing combustible metal dust regardless of resistivity, or other combustible dust of similar hazard characteristics having resistivity of less than  $10^5$  OHM- centimeter.

**Group F:** Atmosphere containing carbon black, charcoal, coal or coke dust.

**Group G:** Atmospheres containing combustible dust having resistivity of  $10^5$  OHM- centimeter or greater.

**Division I:** A location in which ignitable concentrations of flammable material exist under normal operating conditions.

**Division II:** Locations in which flammable materials will normally be confined within closed containers and escape only in the case of accidental rupture, breakdown or during maintenance operations. Any equipment approved for Division I is automatically also approved for Division II.