

**TXB Series
 Explosion Proof
 Tubeaxial Belt Drive
 Duct Fans**

**General Characteristics of TXB Series
 Explosion Proof Tubeaxial Belt Drive Duct
 Fans**

The TXB Series Explosion Proof is recommended for most paint spray applications because the motor is out of the air stream and not exposed to paint overspray. For Industrial and commercial use. For indoor use, for use with ducts. Eliminates fumes and vapors from paint spray booths and other hazardous areas. Explosion proof motors are Class I, Div. 1, Group D and Class 2, Div. 1, Groups F & G. Is designed with totally enclosed and explosion proof motors. 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. Made with a 14 gauge steel drum including mounting flanges at each end. Completely enclosed belt and ball bearing housing. Adjustable motor base for proper belt tension. Rugged cast aluminum blade, non-sparking. Fans can be mounted to operate in any position. Options: Companion flanges, protective coating, access doors, belt guards, motor covers and Fans guards. All options must be specified and are quoted separately.

**Product Applications of TXB Series Explosion
 Proof Tubeaxial Belt Drive Duct Fans**

Industrial and Commercial use. Eliminates fumes and vapors from paint spray booths and other hazardous areas. For indoor use.

**Warranties and Guaranties of TXB Series
 Explosion Proof Tubeaxial Belt Drive Duct
 Fans**

Manufacturer's Limited Warranty: 1 Year.



Specific Characteristics of TXB Series Explosion Proof Tubeaxial Belt Drive Duct Fans

Item #	Manufacturing #	Size Ø(In.)	C.F.M - Static Pressure				Volts V	Amperes A	Phases PH	HP	Hertz Hz	RPM	dB's @10'	Weight and Dimensions with Packaging	
			0"	1/4"	1/2"	3/4"								Lbs.	L,W,H In.
USEBE-001	TXB12-1/4	12	1444	1033	380	-	115/230	2.25/1.13	1	1/4	60	2625	77	64	14,16,16
USEBE-002	TXB12-1/3	12	1586	1135	415	-	115/230	2.97/1.49	1	1/3	60	2875	78	67	14,16,16
USEBE-003	TXB12-1/2	12	1875	1400	1250	1100	115/230	4.5/2.25	1	1/2	60	3450	83	67	14,16,16

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USEBE-004	TXB12-3/4	12	2044	1920	1650	1500	115/230	6.76/3.38	1	3/4	60	3450	83	69	14,16,16
USEBE-005	TXB12-1/4-3	12	1444	1033	380	-	230/460	0.73/0.36	3	1/4	60	2625	77	64	14,16,16
USEBE-006	TXB12-1/3-3	12	1586	1135	415	-	230/460	0.95/0.48	3	1/3	60	2875	78	67	14,16,16

Item #	Manufacturing #	Size Ø(In.)	C.F.M - Static Pressure				Volts V	Amperes A	Phases PH	HP	Hertz Hz	RPM	dB's @10'	Weight and Dimensions with Packaging	
			0"	1/4"	1/2"	3/4"								Lbs.	L,W,H In.
USEBE-007	TXB12-1/2-3	12	1875	1400	1250	1100	230/460	1.45/0.73	3	1/2	60	3450	83	67	14,16,16
USEBE-008	TXB12-3/4-3	12	2044	1920	1650	1500	230/460	2.16/1.09	3	3/4	60	3450	83	69	14,16,16
USEBE-009	TXB15-1/4	15	2600	1700	-	-	115/230	2.25/1.13	1	1/4	60	2000	77	69	14,19,19
USEBE-010	TXB15-1/3	15	2950	2100	1000	-	115/230	2.97/1.49	1	1/3	60	2200	78	71	14,19,19
USEBE-011	TXB15-1/2	15	3350	2650	1500	-	115/230	4.5/2.25	1	1/2	60	1890	76	77	14,19,19
USEBE-012	TXB15-3/4	15	3900	3400	2700	1150	115/230	6.76/3.38	1	3/4	60	2200	78	87	14,19,19
USEBE-013	TXB15-1/4-3	15	2600	1700	-	-	230/460	0.73/0.36	3	1/4	60	2000	77	69	14,19,19
USEBE-014	TXB15-1/3-3	15	2950	2100	1000	-	230/460	0.95/0.48	3	1/3	60	2200	78	71	14,19,19
USEBE-015	TXB15-1/2-3	15	3350	2650	1500	-	230/460	1.45/0.73	3	1/2	60	1890	76	77	14,19,19
USEBE-016	TXB15-3/4-3	15	3900	3400	2700	1150	230/460	2.16/1.09	3	3/4	60	2200	77	87	14,19,19
USEBE-017	TXB18-1/4	18	3050	2000	-	-	115/230	2.25/1.13	1	1/4	60	1600	76	82	14,22,22
USEBE-018	TXB18-1/3	18	3375	2600	1400	-	115/230	2.97/1.49	1	1/3	60	1725	77	87	14,22,22
USEBE-019	TXB18-1/2	18	3850	3100	2000	-	115/230	4.5/2.25	1	1/2	60	1890	78	97	14,22,22
USEBE-020	TXB18-1	18	4600	4080	3000	2100	115/230	9.01/4.5	1	1	60	1725	77	107	14,22,22
USEBE-021	TXB18-1 1/2	18	5350	4830	3950	3000	115/230	13.5/6.76	1	1 1/2	60	1990	80	107	14,22,22
USEBE-022	TXB18-1/4-3	18	3050	2000	-	-	230/460	0.73/0.36	3	1/4	60	1600	76	82	14,22,22
USEBE-023	TXB18-1/3-3	18	3375	2600	1400	-	230/460	0.95/0.48	3	1/3	60	1725	77	87	14,22,22
USEBE-024	TXB18-1/2-3	18	3850	3100	2000	-	230/460	1.45/0.73	3	1/2	60	1890	78	97	14,22,22
USEBE-025	TXB18-1-3	18	4600	4080	3000	2100	230/460	2.89/1.45	3	1	60	1725	77	107	14,22,22
USEBE-026	TXB18-1 1/2-3	18	5350	4830	3950	3000	230/460	4.34/2.16	3	1 1/2	60	1990	80	107	14,22,22
USEBE-027	TXB24-1/2	24	5643	4826	3500	-	115/230	4.5/2.25	1	1/2	60	1298	78	122	18,29,29
USEBE-028	TXB24-3/4	24	6906	5900	4650	2750	115/230	6.76/3.38	1	3/4	60	1600	80	132	18,29,29
USEBE-029	TXB24-1	24	7425	6350	5000	3300	115/230	9.01/4.5	1	1	60	1725	84	142	18,29,29
USEBE-030	TXB24-1 1/2	24	8200	7650	6850	5500	115/230	13.5/6.76	1	1 1/2	60	1540	81	147	18,29,29
USEBE-031	TXB24-2	24	9760	8830	8090	7000	115/230	18/9.01	1	2	60	1600	82	172	18,29,29
USEBE-032	TXB24-1/2-3	24	5643	4826	3500	-	230/460	1.45/0.73	3	1/2	60	1298	78	122	18,29,29
USEBE-033	TXB24-3/4-3	24	6906	5900	4650	2750	230/460	2.16/1.09	3	3/4	60	1600	80	132	18,29,29
USEBE-034	TXB24-1-3	24	7425	6350	5000	3300	230/460	2.89/1.45	3	1	60	1725	84	142	18,29,29
USEBE-035	TXB24-1 1/2-3	24	8200	7650	6850	5500	230/460	4.34/2.16	3	1 1/2	60	1540	81	147	18,29,29
USEBE-036	TXB24-2-3	24	9760	8830	8090	7000	230/460	5.78/2.89	3	2	60	1600	82	172	18,29,29
USEBE-037	TXB24-3-3	24	10500	9500	8700	7800	230/460	13.5/4.34	3	3	60	1725	86	192	18,29,29
USEBE-038	TXB27-3/4	27	8330	7550	6500	4650	115/230	6.76/3.38	1	3/4	60	1250	78	152	18,32,32
USEBE-039	TXB27-1	27	9400	8480	7300	5200	115/230	9.01/4.5	1	1	60	1400	82	157	18,32,32
USEBE-040	TXB27-1 1/2	27	10700	9700	8375	6000	115/230	13.5/6.76	1	1 1/2	60	1600	84	172	18,32,32
USEBE-041	TXB27-2	27	11500	10700	9300	8000	115/230	18/9.01	1	2	60	1350	81	215	18,32,32
USEBE-042	TXB27-3/4-3	27	8330	7550	6500	4650	230/460	2.16/1.09	3	3/4	60	1250	78	152	18,32,32
USEBE-043	TXB27-1-3	27	9400	8480	7300	5200	230/460	2.89/1.45	3	1	60	1400	82	157	18,32,32
USEBE-044	TXB27-1 1/2-3	27	10700	9700	8375	6000	230/460	4.34/2.16	3	1 1/2	60	1600	84	172	18,32,32
USEBE-045	TXB27-2-3	27	11500	10700	9300	8000	230/460	5.78/2.89	3	2	60	1350	81	215	18,32,32
USEBE-046	TXB30-1/2	30	8900	6660	2300	-	115/230	4.5/2.25	1	1/2	60	1140	79	142	18,35,35
USEBE-047	TXB30-1	30	9867	7980	4120	-	115/230	9.01/4.5	1	1	60	1298	82	152	18,35,35
USEBE-048	TXB30-1 1/2	30	11100	9700	7500	3500	115/230	13.5/6.76	1	1 1/2	60	1035	78	167	18,35,35
USEBE-049	TXB30-2	30	12100	11000	9322	6700	115/230	18/9.01	1	2	60	1176	81	220	18,35,35
USEBE-050	TXB30-1/2-3	30	8900	6660	2300	-	230/460	1.45/0.73	3	1/2	60	1140	79	142	18,35,35
USEBE-051	TXB30-1-3	30	9867	7980	4120	-	230/460	2.89/1.45	3	1	60	1298	82	152	18,35,35

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USEBE-052	TXB30-1 ½-3	30	11100	9700	7500	3500	230/460	4.34/2.16	3	1 ½	60	1035	78	167	18,35,35
USEBE-053	TXB30-2-3	30	12100	11000	9322	6700	230/460	5.78/2.89	3	2	60	1176	81	220	18,35,35
USEBE-054	TXB30-3-3	30	13480	12498	11465	10380	230/460	13.5/4.34	3	3	60	1350	84	220	18,35,35
USEBE-055	TXB30-5-3	30	16440	15242	13982	12659	230/460	14.5/7.23	3	5	60	1650	88	235	18,35,35

Item #	Manufacturing #	Size Ø(In.)	C.F.M - Static Pressure				Volts V	Amperes A	Phases PH	HP	Hertz Hz	RPM	dB's @10'	Weight and Dimensions with Packaging	
			0"	¼"	½"	¾"								Lbs.	L,W,H In.
USEBE-056	TXB34-1 1/2	34	13695	11100	6000	1015	115/230	13.5/6.76	1	1 ½	60	1170	82	192	18,39,39
USEBE-057	TXB34-2	34	14657	12590	10000	8000	115/230	18/9.01	1	2	60	1027	81	245	18,39,39
USEBE-058	TXB34-1 1/2-3	34	13695	11100	6000	1015	230/460	4.34/2.16	3	1 ½	60	1170	82	192	18,39,39
USEBE-059	TXB34-2-3	34	14657	12590	10000	8000	230/460	5.78/2.89	3	2	60	1027	81	245	18,39,39
USEBE-060	TXB34-3-3	34	17580	15896	14095	12000	230/460	13.5/4.34	3	3	60	1175	85	265	18,39,39
USEBE-061	TXB34-5-3	34	20500	19000	17500	16000	230/460	14.5/7.23	3	5	60	1416	88	310	18,39,39
USEBE-062	TXB42-1 1/2	42	18960	14662	7200	-	115/230	13.5/6.76	1	1 ½	60	750	78	255	20,47,47
USEBE-063	TXB42-2	42	20700	17002	11400	4000	115/230	18/9.01	1	2	60	820	80	265	20,47,47
USEBE-064	TXB42-1 ½-3	42	18960	14662	7200	-	230/460	4.34/2.16	3	1 ½	60	750	78	255	20,47,47
USEBE-065	TXB42-2-3	42	20700	17002	11400	4000	230/460	5.78/2.89	3	2	60	820	80	265	20,47,47
USEBE-066	TXB42-3-3	42	23700	20200	16970	9950	230/460	13.5/4.34	3	3	60	890	82	265	20,47,47
USEBE-067	TXB42-5-3	42	26900	24403	22250	18400	230/460	14.5/7.23	3	5	60	850	82	275	20,47,47
USEBE-068	TXB48-5-3	48	33000	31000	25600	20000	230/460	14.5/7.23	3	5	60	800	85	380	26,53,53
USEBE-069	TXB48-7 ½-3	48	37000	34500	31000	27000	230/460	21.6/10.8	3	7 ½	60	900	87	535	26,53,53

Dimensions (In.) of TXB Series Explosion Proof Tubeaxial Belt Drive Duct Fans

Series	Length A	Width B	Height C
USEBE-001 to 008	12"	14"	14"
USEBE-009 to 016	12"	17"	17"
USEBE-017 to 026	12"	20"	20"
USEBE-027 to 03712	12" & 16"	27"	27"
USEBE-038 to 045	16"	30"	30"
USEBE-046 to 055	16"	33"	33"
USEBE-056 to 061	16"	37"	37"
USEBE-062 to 067	18"	45"	45"
USEBE-068 & 069	24"	51"	51"





TXB Series Explosion Proof Tubeaxial Belt 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 a 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 a 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.