TECHTOP - TXC Series Fire Pump Motor

Manufacturer / brand: **TECHTOP** (Global Techtop FZCO - Middle East operations, Dubai, UAE; Shanghai Top Motor Co., Ltd.).
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Our fire pump motors are fully UL listed and strictly engineered to comply with the latest NFPA 20 standard for stationary fire protection systems. Designed for reliable emergency fire pump operation in commercial, industrial and high-rise building fire suppression systems, these motors deliver stable, continuous-duty performance. Standard construction: TEFC, service factor 1.15, insulation class F, continuous duty S1, carmine red (RAL 3002) finish, NEMA frames 143T through 586/7TS, 2-pole and 4-pole, 50 Hz / 60 Hz.

TXC Series - Main Performance Parameters (NEMA, 60 Hz)

No.	Model	Output HP	Hz	I (A) 230V	I (A) 460V	I (A) 380V	I (A) 400V	I (A) 575V	LRA 230V	LRA 460V	LRT %	Max T %	Min T %	SF	INS	RPM	EFF %	PF
1	F-TXC 143T1U2B	1	60	3.6	1.8	2.2	2.1	1.4	30	15	175	250	120	1.15	F	3450	74	0.7
2	F-TXC 143T1.5U2B	1.5	60	4.0	2.0	2.4	2.3	1.6	40	20	175	250	120	1.15	F	3450	78.5	0.89
3	F-TXC 145T2U2B	2	60	5.4	2.7	3.3	3.1	2.2	50	25	170	240	120	1.15	F	3450	81	0.86
4	F-TXC 182T3U2B	3	60	7.6	3.8	4.6	4.4	3.0	64	32	160	230	110	1.15	F	3510	81.5	0.91
5	F-TXC 184T5U2B	5	60	12.2	6.1	7.4	7.0	4.9	92	46	150	215	105	1.15	F	3510	84.5	0.91
6	F-TXC 213T7.5U2B	7.5	60	17.8	8.9	10.8	10.2	7.1	127	63.5	140	200	100	1.15	F	3520	88.5	0.89
7	F-TXC 215T10U2B	10	60	23.2	11.6	14.0	13.3	9.3	162	81	135	200	100	1.15	F	3520	87.5	0.9
8	F-TXC 254T15U2B	15	60	35.2	17.6	21.3	20.2	14.1	232	116	130	200	100	1.15	F	3540	87.5	0.9
9	F-TXC 256T20U2B	20	60	46.4	23.2	28.1	26.7	18.6	290	145	130	200	100	1.15	F	3530	88.5	0.9
10	F-TXC 284TS25U2B	25	60	57.8	28.9	35.0	33.2	23.1	365	182.5	130	200	100	1.15	F	3550	89.5	0.9
11	F-TXC 286TS30U2B	30	60	69.0	34.5	41.8	39.7	27.6	435	217.5	130	200	100	1.15	F	3550	89.5	0.9
12	F-TXC 324TS40U2B	40	60	93.0	46.5	56.3	53.5	37.2	580	290	125	200	100	1.15	F	3560	90.2	0.9
13	F-TXC 326TS50U2B	50	60	117.0	58.5	70.8	67.3	46.8	725	362.5	120	200	100	1.15	F	3560	91.5	0.88
14	F-TXC364TS60U2B	60	60	135.0	67.5	81.7	77.6	54.0	870	435	120	200	100	1.15	F	3560	91.7	0.91
15	F-TXC365TS75U2B	75	60	168.6	84.3	102.0	96.9	67.4	1085	542.5	105	200	95	1.15	F	3560	92.4	0.9
16	F-TXC405TS100U2B	100	60	200.0	100.0	121.1	115.0	80.0	1450	725	105	200	95	1.15	F	3570	93	0.92
17	F-TXC444TS125U2B	125	60		137.0	165.8	157.6	109.6	1815	907.5	100	200	90	1.15	F	3575	93	0.92
18	F-TXC445TS150U2B	150	60		164.0	198.5	188.6	131.2	2170	1085	100	200	90	1.15	F	3575	93	0.93
19	F-TXC447TS200U2B	200	60		215.0	260.3	247.3	172.0	2900	1450	100	200	90	1.15	F	3575	94.1	0.93
20	F-TXC449TS250U2B	250	60		268.5	325.0	308.8	214.8	3650	1825	70	175	65	1.15	F	3575	94.1	0.93
21	F-TXC449TS300U2B	300	60		316.9	383.6	364.4	253.5	4400	2200	70	175	65	1.15	F	3575	94.1	0.93
22	F-TXC586/7TS350U2B	350	60		369.8	447.7	425.3	295.8	5100	2550	70	175	65	1.15	F	3575	94.1	0.93
23	F-TXC586/7TS400U2B	400	60		422.6	511.6	486.0	338.1	5800	2900	70	175	65	1.15	F	3575	94.1	0.93
24	F-TXC586/7TS450U2B	450	60		475.4	575.5	546.7	380.3	6500	3250	70	175	65	1.15	F	3575	94.1	0.93
25	F-TXC 143T1U4B	1	60	3.0	1.5	1.8	1.7	1.2	30	15	275	300	190	1.15	F	1735	77	0.81
26	F-TXC 145T1.5U4B	1.5	60	4.4	2.2	2.7	2.5	1.8	40	20	250	280	175	1.15	F	1735	79	0.81
27	F-TXC 145T2U4B	2	60	6.0	3.0	3.6	3.5	2.4	50	25	235	270	165	1.15	F	1730	81.5	0.77
28	F-TXC 182T3U4B	3	60	8.0	4.0	4.8	4.6	3.2	64	32	215	250	150	1.15	F	1755	83	0.85
29	F-TXC 184T5U4B	5	60	12.8	6.4	7.7	7.4	5.1	92	46	185	225	130	1.15	F	1745	85	0.86
30	F-TXC 213T7.5U4B	7.5	60	18.8	9.4	11.4	10.8	7.5	127	63.5	175	215	120	1.15	F	1750	87	0.86
31	F-TXC 215T10U4B	10	60	24.8	12.4	15.0	14.3	9.9	162	81	165	200	115	1.15	F	1750	87.5	0.86
32	F-TXC 254T15U4B	15	60	37.2	18.6	22.5	21.4	14.9	232	116	160	200	110	1.15	F	1760	88.5	0.86
33	F-TXC 256T20U4B	20	60	47.0	23.5	28.4	27.0	18.8	290	145	150	200	105	1.15	F	1760	89.5	0.89
34	F-TXC 284T25U4B	25	60	59.2	29.6	35.8	34.0	23.7	365	182.5	150	200	105	1.15	F	1770	90.5	0.88
35	F-TXC 286T30U4B	30	60	71.0	35.5	43.0	40.8	28.4	435	217.5	150	200	105	1.15	F	1770	91	0.87
36	F-TXC 324T40U4B	40	60	94.2	47.1	57.0	54.2	37.7	580	290	140	200	100	1.15	F	1770	91.7	0.87
37	F-TXC 326T50U4B	50	60	118.4	59.2	71.7	68.1	47.4	725	362.5	140	200	100	1.15	F	1770	92.4	0.86
38	F-TXC364T60U4B	60	60	138.8	69.4	84.0	79.8	55.5	870	435	140	200	100	1.15	F	1775	93	0.87
39	F-TXC365T75U4B	75	60	172.4	86.2	104.3	99.1	69.0	1085	542.5	140	200	100	1.15	F	1775	93	0.88
40	F-TXC405T100U4B	100	60	228.0	114.0	138.0	131.1	91.2	1450	725	125	200	100	1.15	F	1780	93.2	0.88
41	F-TXC444T125U4B	125	60		157.1	190.2	180.7	125.7	1815	907.5	110	200	100	1.15	F	1780	93.2	0.8
42	F-TXC445T150U4B	150	60		183.8	222.5	211.4	147.0	2170	1085	110	200	100	1.15	F	1780	93.5	0.82
43	F-TXC447T200U4B	200	60		251.7	304.7	289.5	201.4	2900	1450	100	200	90	1.15	F	1780	94.5	0.8
44	F-TXC449T250U4B	250	60		314.3	380.5	361.4	251.4	3650	1825	80	175	75	1.15	F	1780	94.5	0.8
45	F-TXC449T300U4B	300	60		315.6	382.0	362.9	252.5	4400	2200	80	175	75	1.15	F	1780	94.5	0.92
46	F-TXC586/7T350U4B	350	60		368.3	445.8	423.5	294.6	5100	2550	80	175	75	1.15	F	1780	94.5	0.92
47	F-TXC586/7T400U4B	400	60		420.8	509.4	483.9	336.6	5800	2900	80	175	75	1.15	F	1780	94.5	0.92
48	F-TXC586/7T450U4B	450	60		473.5	573.2	544.5	378.8	6500	3250	80	175	75	1.15	F	1780	94.5	0.91

TXC Series - Main Performance Parameters (NEMA, 50 Hz)

No.	Model	Output HP	Hz	I (A) 380V	I (A) 415V	LRA 380V	LRA 415V	LRT %	Max T %	Min T %	SF	INS	RPM	EFF %	PF
1	F-TXC 143T1U2B	1	50	2.49	2.28	20	18.3	175	250	120	1.15	F	2875	72.1	0.63
2	F-TXC 143T1.5U2B	1.5	50	2.78	2.53	27	24.7	175	250	120	1.15	F	2875	75	0.82
3	F-TXC 145T2U2B	2	50	3.67	3.34	34	31.1	170	240	120	1.15	F	2875	77.2	0.8

4	F-TXC 182T3U2B	3	50	5.25	4.77	43	39.4	160	230	110	1.15	F	2925	79.7	0.81
5	F-TXC 184T5U2B	5	50	8.8	7.7	61	55.9	150	215	105	1.15	F	2925	81.5	0.79
6	F-TXC 213T7.5U2B	7.5	50	12.3	11.2	84	76.9	140	200	100	1.15	F	2930	84.7	0.82
7	F-TXC 215T10U2B	10	50	16.2	14.7	107	98.0	135	200	100	1.15	F	2930	86	0.81
8	F-TXC 254T15U2B	15	50	22.1	20.2	154	141.0	130	200	100	1.15	F	2930	87.6	0.88
9	F-TXC 256T20U2B	20	50	29.0	26.6	194	177.6	130	200	100	1.15	F	2930	88.7	0.88
10	F-TXC 284TS25U2B	25	50	36.1	33.0	243	222.5	130	200	100	1.15	F	2935	89.3	0.88
11	F-TXC 286TS30U2B	30	50	43.0	39.4	289	264.6	130	200	100	1.15	F	2935	89.9	0.88
12	F-TXC 324TS40U2B	40	50	56.8	52.0	387	354.4	125	200	100	1.15	F	2940	90.7	0.88
13	F-TXC 326TS50U2B	50	50	70.6	64.7	482	441.3	120	200	100	1.15	F	2940	91.2	0.88
14	F-TXC364TS60U2B	60	50	84.3	77.2	578	529.3	120	200	100	1.15	F	2945	91.7	0.88
15	F-TXC365TS75U2B	75	50	104.9	96.0	722	661.1	105	200	95	1.15	F	2945	92.1	0.88
16	F-TXC405TS100U2B	100	50	137.4	125.8	965	883.6	105	200	95	1.15	F	2945	92.7	0.89
17	F-TXC444TS125U2B	125	50	169.3	155.0	1207	1105.2	100	200	90	1.15	F	2950	93	0.9
18	F-TXC445TS150U2B	150	50	202.5	185.4	1441	1319.5	100	200	90	1.15	F	2960	93.3	0.9
19	F-TXC447TS200U2B	200	50	266.4	244.0	1927	1764.5	100	200	90	1.15	F	2960	93.5	0.91
20	F-TXC449TS250U2B	250	50	331.3	303.3	2534	2320.3	70	175	65	1.15	F	2960	93.8	0.91
21	F-TXC449TS300U2B	300	50	389.0	356.2	3026	2770.8	70	175	65	1.15	F	2980	94	0.93
22	F-TXC586/7TS350U2B	350	50	458.8	417.5	3542	3243.3	70	175	65	1.15	F	2980	94	0.92
23	F-TXC586/7TS400U2B	400	50	524.4	477.2	4046	3704.8	70	175	65	1.15	F	2980	94	0.92
24	F-TXC586/7TS450U2B	450	50	590.0	536.9	4539	4156.2	70	175	65	1.15	F	2980	94	0.92
25	F-TXC 143T1U4B	1	50	2.31	2.1	20	18.3	275	300	190	1.15	F	1445	72.1	0.68
26	F-TXC 145T1.5U4B	1.5	50	3.1	2.78	27	24.7	250	280	175	1.15	F	1445	75	0.73
27	F-TXC 145T2U4B	2	50	4.2	3.8	34	31.1	235	270	165	1.15	F	1440	77.2	0.7
28	F-TXC 182T3U4B	3	50	5.5	5.1	43	39.4	215	250	150	1.15	F	1460	79.7	0.78
29	F-TXC 184T5U4B	5	50	8.8	8.0	61	55.9	185	225	130	1.15	F	1455	81.5	0.79
30	F-TXC 213T7.5U4B	7.5	50	13.1	11.9	84	76.9	175	215	120	1.15	F	1460	84.7	0.77
31	F-TXC 215T10U4B	10	50	17.2	15.7	107	98.0	165	200	115	1.15	F	1460	86	0.77
32	F-TXC 254T15U4B	15	50	22.6	20.7	154	141.0	160	200	110	1.15	F	1465	87.6	0.86
33	F-TXC 256T20U4B	20	50	29.7	27.2	194	177.6	150	200	105	1.15	F	1465	88.7	0.86
34	F-TXC 284T25U4B	25	50	36.1	33.0	243	222.5	150	200	105	1.15	F	1475	89.3	0.88
35	F-TXC 286T30U4B	30	50	43.0	39.4	289	264.6	150	200	105	1.15	F	1475	89.9	0.88
36	F-TXC 324T40U4B	40	50	56.2	51.4	387	354.4	140	200	100	1.15	F	1475	90.7	0.89
37	F-TXC 326T50U4B	50	50	69.8	63.9	482	441.3	140	200	100	1.15	F	1475	91.2	0.89
38	F-TXC364T60U4B	60	50	82.4	75.5	578	529.3	140	200	100	1.15	F	1480	91.7	0.9
39	F-TXC365T75U4B	75	50	102.6	93.9	722	661.1	140	200	100	1.15	F	1480	92.1	0.9
40	F-TXC405T100U4B	100	50	135.9	124.4	965	883.6	125	200	100	1.15	F	1480	93	0.9
41	F-TXC444T125U4B	125	50	169.3	155.0	1207	1105.2	110	200	100	1.15	F	1480	93.0	0.9
42	F-TXC445T150U4B	150	50	202.5	185.4	1441	1319.5	110	200	100	1.15	F	1480	93.3	0.90
43	F-TXC447T200U4B	200	50	266.4	244.0	1927	1764.5	100	200	90	1.15	F	1480	93.5	0.91
44	F-TXC449T250U4B	250	50	332.0	304.0	2534	2320.3	80	175	75	1.15	F	1480	94	0.91
45	F-TXC449T300U4B	300	50	391.9	356.7	3026	2770.8	80	175	75	1.15	F	1480	94	0.92
46	F-TXC586/7T350U4B	350	50	457.2	416.1	3542	3243.3	80	175	75	1.15	F	1480	94	0.92
47	F-TXC586/7T400U4B	400	50	522.5	475.5	4046	3704.8	80	175	75	1.15	F	1480	94	0.92
48	F-TXC586/7T450U4B	450	50	587.8	534.9	4539	4156.2	80	175	75	1.15	F	1480	94	0.92

Abbreviations: I = full-load current; LRA = locked-rotor current (A); LRT = locked-rotor torque (% of FLT); Max T / Min T = breakdown / pull-up torque (%); SF = service factor; INS = insulation class; EFF = full-load efficiency; PF = power factor. Model suffix U2B = 2-pole, U4B = 4-pole. Data as published by the manufacturer; verify against the motor nameplate for a specific order.