

TOSHIBA INTERNATIONAL CORPORATION INDUSTRIAL DIVISION / HOUSTON MOTOR-PLANT XS-DATA-00575 Vol#			NEMA FRAME SEVERE DUTY TOTALLY-ENCLOSED FAN-COOLED MOTORS											INDEX REV. LEVEL		EDS-PF-1035C 0	
EQP III-XS PREMIUM EFFICIENCY																	
575V PERFORMANCE DATA																	
SHEET															1 OF 3		
HP	FULL LOAD RPM	NEMA FRAME	CURRENT AT 575V			TORQUE			EFFICIENCY			POWER FACTOR			MAX. KVAR	TEMPERATURE RISE BY RESISTANCE METHOD (°C)	
			IDLE (A)	FULL LOAD (A)	LOCKED ROTOR (A)	FULL LOAD (LB-FT)	LOCKED ROTOR (%)	BREAK DOWN (%)	FULL LOAD (%)	3/4 LOAD (%)	1/2 LOAD (%)	FULL LOAD (%)	3/4 LOAD (%)	1/2 LOAD (%)		1.0	1.15
0.75	1160	143T	0.9	1.1	7.6	3.39	365	375	79.8	78.7	74.8	61.5	52.0	40.7	0.8	23	29
	1749	143T	0.6	1.1	8.8	3.00	336	368	85.7	86.1	84.1	79.1	72.7	59.8	0.5	18	21
1	1152	145T	1.0	1.4	9.6	4.56	285	320	82.4	82.0	78.0	63.0	54.5	40.9	0.6	40	46
	1740	145T	0.9	1.6	16.0	4.53	385	370	86.9	87.1	85.7	78.7	71.1	59.2	0.8	37	46
1.5	1168	182T	1.2	1.9	16.0	6.74	266	398	86.4	86.1	84.1	68.2	60.3	46.9	1.2	25	41
	3489	143T	0.9	1.6	16.0	2.26	350	400	85.4	84.9	82.4	81.9	75.1	63.2	0.8	28	35
2	1733	145T	1.1	2.1	20.0	6.06	380	340	86.8	87.3	86.2	80.4	73.3	61.6	1.1	34	38
	1172	184T	1.6	2.5	20.0	8.96	280	376	88.4	87.7	85.3	66.7	58.1	45.6	1.6	23	31
3	3509	182T	0.9	2.8	25.6	4.49	248	388	88.8	88.9	87.6	91.1	87.9	81.0	0.8	25	30
	1754	182T	1.2	3.0	25.6	8.98	259	373	89.5	89.7	88.6	84.2	79.0	68.2	1.2	34	41
5	1167	213T	1.7	3.2	25.6	13.5	279	352	90.3	91.0	89.9	78.0	70.0	57.7	1.6	22	27
	3502	184T	1.2	4.5	36.8	7.50	265	357	89.0	89.1	87.7	92.5	90.4	84.8	1.2	45	56
7.5	1737	184T	1.7	4.9	36.8	15.1	265	290	88.4	89.7	89.4	86.7	83.6	75.5	1.7	56	79
	1165	215T	2.5	5.2	36.8	22.5	279	376	90.1	89.7	87.4	79.4	72.7	60.6	4.9	32	41
7.5	3515	213T	2.0	7.0	50.8	11.2	213	310	90.5	90.3	89.0	88.5	85.8	79.0	2.0	48	60
	1752	213T	2.9	7.4	50.8	22.5	280	290	90.9	91.2	90.3	84.0	79.0	69.0	2.8	43	60
7.5	1179	254T	3.6	7.8	50.8	33.4	216	340	92.0	91.8	90.6	78.6	73.2	62.7	3.5	31	38

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EQP III-XS PREMIUM EFFICIENCY																	
575V PERFORMANCE DATA																	
SHEET															2 OF 3		
HP	FULL LOAD RPM	NEMA FRAME	CURRENT AT 575V			TORQUE			EFFICIENCY			POWER FACTOR			MAX. KVAR	TEMPERATURE RISE BY RESISTANCE METHOD (°C)	
			IDLE (A)	FULL LOAD (A)	LOCKED ROTOR (A)	FULL LOAD (LB-FT)	LOCKED ROTOR (%)	BREAK DOWN (%)	FULL LOAD (%)	3/4 LOAD (%)	1/2 LOAD (%)	FULL LOAD (%)	LOAD (%)	LOAD (%)		1.0	1.15
10	3510	215T	2.3	9.2	64.8	15.0	212	300	90.3	90.0	88.0	89.7	87.6	81.7	2.3	59	74
	1746	215T	3.2	9.5	64.8	30.0	290	295	90.9	91.3	90.4	86.5	82.0	73.0	3.2	47	64
	1176	256T	4.2	10.2	64.8	44.6	234	283	92.5	92.8	92.0	79.2	74.7	64.8	4.1	38	49
15	3533	254T	2.7	13.3	92.8	22.3	220	290	91.6	92.0	91.6	91.9	91.8	91.1	2.7	56	75
	1774	254T	5.3	14.5	88.0	44.4	229	254	92.4	92.6	91.8	83.6	79.7	71.0	5.2	45	56
	1173	284T	5.7	14.8	92.8	89.5	208	277	92.3	92.5	92.0	82.0	77.7	68.3	5.6	45	58
20	3535	256T	3.3	17.5	116	29.7	200	280	92.5	93.2	93.2	92.9	92.3	88.9	3.3	56	80
	1772	256T	6.5	19.3	116	59.3	225	240	93.1	93.4	93.0	84.9	81.4	73.3	6.4	51	66
	1170	286T	8.0	20.0	116	89.7	205	275	92.3	92.6	92.2	83.5	80.2	72.2	7.9	50	66
25	3529	284TS	4.0	22.2	146	37	260	250	92.4	93.0	92.0	93.2	92.4	89.6	4.0	53	75
	1770	284T	8.4	24.1	146	74	240	260	93.5	93.7	93.1	85.5	82.6	75.0	8.3	51	67
	1175	324T	10.0	24.9	146	112	245	255	92.9	93.5	93.0	80.9	76.8	67.7	9.9	46	61
30	3524	286TS	4.8	26.7	174	45	260	250	92.4	93.1	92.1	93.5	92.8	90.5	4.7	58	75
	1770	286T	10.4	29.0	174	89	255	275	93.4	93.6	93.0	85.7	82.7	75.6	10.3	83	81
	1177	326T	11.2	29.6	174	134	245	254	93.6	94.0	93.7	81.2	77.2	68.1	11.1	49	63
40	3535	324TS	8.8	36.1	232	59	260	240	93.1	93.4	92.8	89.7	89.2	84.3	8.7	63	87
	1770	324T	12.8	38.3	232	119	250	260	94.0	94.4	94.1	83.2	80.4	72.9	12.7	54	67
	1176	364T	11.6	37.5	232	178	245	260	94.0	94.6	94.5	84.9	82.2	74.8	11.6	51	69
50	3533	326TS	9.6	44.8	290	74	270	270	93.0	93.3	92.6	90.9	89.7	86.0	9.5	67	90
	1771	326T	16.0	47.9	290	149	260	240	94.0	94.2	93.9	84.2	81.4	74.5	16.0	51	67
	1175	365T	14.8	46.9	290	223	250	264	93.6	94.4	94.3	83.5	79.9	71.0	14.7	63	83

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TOSHIBA INTERNATIONAL CORPORATION
INDUSTRIAL DIVISION / HOUSTON MOTOR-PLANT
XS.DATA.m575 Ver8

NEMA FRAME SEVERE DUTY
TOTALLY-ENCLOSED FAN-COOLED MOTORS

INDEX
REV. LEVEL
EDS-PF-1035C
0

EQP III-XS PREMIUM EFFICIENCY
575V PERFORMANCE DATA

SHEET 3 OF 3

HP	FULL LOAD RPM	NEMA FRAME	CURRENT AT 575V			TORQUE			EFFICIENCY			POWER FACTOR			MAX. KVAR	TEMPERATURE RISE BY RESISTANCE METHOD (°C)	
			IDLE (A)	FULL LOAD (A)	LOCKED ROTOR (A)	FULL LOAD (LB-FT)	LOCKED ROTOR (%)	BREAK DOWN (%)	FULL LOAD (%)	3/4 LOAD (%)	1/2 LOAD (%)	FULL LOAD (%)	3/4 LOAD (%)	1/2 LOAD (%)		1.0	1.15
60	3547	364TS	14.8	55.0	348	89	230	280	93.8	94.0	93.7	89.0	87.5	82.6	14.7	63	85
	1777	364T	17.6	56.3	348	177	216	274	95.1	95.2	94.6	84.0	81.5	74.9	17.5	51	62
	1187	404T	20.8	58.1	348	266	210	244	95.0	95.1	94.6	81.4	77.5	69.5	20.7	58	70
75	3540	365TS	17.6	68.4	434	111	260	270	93.5	93.8	93.4	88.5	87.0	82.0	17.5	60	80
	1775	365T	23.2	70.6	434	222	200	270	95.3	95.5	95.0	83.8	80.8	73.9	23.1	58	74
	1186	405T	25.6	72.5	434	332	210	241	94.9	95.1	94.5	81.6	78.4	69.6	25.5	46	60
100	3557	405TS	21.2	89.8	580	148	215	260	95.0	95.0	94.8	87.8	86.2	81.0	21.1	67	89
	1776	405T	29.6	93.3	580	296	200	256	95.4	95.6	95.3	84.1	81.2	74.3	29.5	69	87
	1183	444T	32.8	96.5	580	444	200	225	95.5	95.7	95.2	80.1	77.8	69.8	32.6	62	81
125	3575	444TS	29.2	111.4	726	184	215	265	95.3	95.2	94.8	88.2	87.5	84.3	29.0	62	75
	1785	444T	36.8	116.3	726	368	216	256	95.7	95.7	95.0	84.1	81.1	73.3	36.6	61	79
	1186	445T	51.2	123.9	726	554	206	230	95.6	95.6	95.5	79.1	77.0	69.0	51.0	67	88
150	3577	445TS	37.6	133.2	950	220	210	260	95.7	95.7	95.2	88.1	87.4	84.0	37.4	57	71
	1784	445T	46.4	140.4	868	441	220	260	95.7	95.5	94.8	83.6	80.7	72.9	46.2	69	83
	1184	447T	52.0	144.6	868	665	220	245	95.8	96.2	96.1	81.1	77.7	68.7	51.7	78	103
200	3576	447TSS	46.4	177.8	1160	294	230	260	96.0	95.9	95.3	88.0	86.0	79.8	46.2	66	83
	1784	447T	56.0	184.5	1160	589	240	260	96.1	96.1	95.7	84.5	81.9	74.6	55.8	78	105