

0311

1.5 HP	N2 R/MIN	i	lb in	Fm	lbf	Unit Designation	lb	IEC Motor Size	NEMA Motor Size
	Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry 1 Through 20 Spaces to be filled when entering order	Weight of base mount unit		
4 POLE	457	3.75	199	2.47	325	M 0 1 2 2 3 . 6 _ _ _ _ 1 . 5 B - -	51.8	90S	145TC
	338	5.07	270	2.08	332	5 . 0			
	297	5.76	307	1.93	334	5 . 6			
	262	6.53	349	1.78	336	6 . 3			
	205	8.35	445	1.53	335	8 . 0			
	190	9	479	1.44	332	9 . 0			
	151	11.36	604	1.2	323	1 1 .			
	133	12.88	689	1.08	299	1 2 .			
	116	14.71	786	0.97	332	1 4 .			
	105	16.37	869	0.9	303	1 6 .			
	95	18.05	962	0.82	236	1 8 .			
	340	5.03	269	3.59	861	M 0 2 2 2 5 . 0 _ _ _ _ 1 . 5 B - -	58.5	90S	145TC
	309	5.55	295	3.38	874	5 . 6			
	272	6.3	335	3.14	892	6 . 3			
	214	8	427	2.71	899	8 . 0			
	188	9.09	486	2.48	882	9 . 0			
	153	11.15	597	2.09	857	1 1 .			
	138	12.37	662	1.92	843	1 2 .			
	122	14.05	751	1.73	826	1 4 .			
	107	15.97	851	1.6	807	1 6 .			
97	17.58	939	1.46	899	1 8 .				
85	20.23	1079	1.31	866	2 0 .				
78	21.99	1173	1.21	837	2 2 .				
65	26.4	1407	1.01	899	2 8 .				
54	31.68	1684	0.84	829	3 2 .				
309	5.55	297	3.96	874	M 0 3 2 2 5 . 6 _ _ _ _ 1 . 5 B - -	58.5	90S	145TC	
272	6.3	335	3.66	882	6 . 3				
214	8	428	3.14	886	8 . 0				
188	9.09	487	2.89	882	9 . 0				
153	11.15	597	2.52	857	1 1 .				
138	12.37	662	2.35	843	1 2 .				
122	14.05	749	2.16	826	1 4 .				
107	15.97	853	2.01	732	1 6 .				
97	17.58	940	1.85	698	1 8 .				
85	20.23	1080	1.69	641	2 0 .				
78	21.99	1175	1.57	833	2 2 .				
65	26.4	1410	1.31	751	2 8 .				
54	31.68	1678	1.1	560	3 2 .				
48	35.69	1888	0.98	677	3 6 .				
117	14.58	780	3.14	1277	M 0 4 2 2 1 4 . _ _ _ _ 1 . 5 B - -	78.3	90S	145TC	
105	16.31	872	2.91	1306	1 6 .				
98	17.39	929	2.78	1328	1 8 .				
83	20.61	1103	2.41	1391	2 0 .				
78	22	1174	2.28	1415	2 2 .				
63	27.3	1462	1.91	1496	2 8 .				
53	32.19	1715	1.66	1524	3 2 .				
49	35.25	1885	1.53	1510	3 6 .				
40	43.2	2292	1.29	1588	4 5 .				
36	48.15	2552	1.17	1576	5 0 .				
32	54	2867	0.83	1618	5 6 .				
29	58.38	3064	0.94	1611	M 0 4 3 2 5 6 . _ _ _ _ 1 . 5 B - -	80.5	90S	145TC	
27	64.29	3393	0.87	1571	6 3 .				
955	1.79	97	3.75	672	M 0 5 1 2 1 . 8 _ _ _ _ 1 . 5 B - -	49.6	90S	145TC	
840	2.04	111	3.51	696	2 . 0				
685	2.5	136	3.15	696	2 . 5				
617	2.77	151	2.89	696	2 . 8				
543	3.15	171	2.27	696	3 . 2				
478	3.58	194	2.07	685	3 . 6				
434	3.94	214	1.93	678	4 . 0				
378	4.53	247	1.71	676	4 . 5				
347	4.93	267	1.6	675	5 . 0				
289	5.92	321	1.37	696	6 . 0				
241	7.1	384	1.15	696	7 . 1				
214	8	433	1.03	696	8 . 0				
83	20.61	1102	3.61	1293	M 0 5 2 2 2 0 . _ _ _ _ 1 . 5 B - -	80.5	90S	145TC	
78	22	1176	3.38	1302	2 2 .				
63	27.3	1459	2.73	1409	2 8 .				
53	32.19	1715	1.66	1418	3 2 .				
49	35.25	1885	1.53	1477	3 6 .				
40	43.2	2292	1.29	1334	4 5 .				
36	48.15	2556	1.18	1499	5 0 .				
32	54	2867	0.83	1567	5 6 .				
29	58.38	3076	1.29	1259	M 0 5 3 2 5 6 . _ _ _ _ 1 . 5 B - -	82.7	90S	145TC	
27	64.29	3398	1.17	1110	6 3 .				
23	73.95	3892	1.02	1190	7 1 .				
21	80.4	4255	0.94	1010	8 0 .				
350	4.89	265	3.93	899	M 0 6 1 2 5 . 0 _ _ _ _ 1 . 5 B - -	60.7	90S	145TC	
282	6.07	329	3.17	899	6 . 0				
239	7.15	388	2.69	899	7 . 1				
219	7.83	424	2.46	899	8 . 0				

NOTE
Other output speeds are available using 2, 6 and 8 pole motors - Consult Textron Power Transmission

0311

1.5 HP

4 POLE

N2 R/MIN	i	lb in	Fm	lbf	Unit Designation	lb	IEC Motor Size	NEMA Motor Size
Output Speed	Ratio	Output Torque	Service Factor	Overhung Load	Column Entry 1 Through 20 Spaces to be filled when entering order	Weight of base mount unit		
63	27.24	1459	3.8	1618	M 0 6 2 2 2 8 1 . 5 B - -	91.5	90S	145TC
51	33.8	1809	3.06	1618	3 2 .			
43	39.86	2125	2.61	1618	3 6 .			
39	43.64	2329	2.38	1618	4 5 .			
32	53.49	2848	1.61	1618	5 0 .			
29	59.61	3170	1.31	1618	5 6 .			
24	72.28	3815	1.41	1618	M 0 6 3 2 6 3 1 . 5 B - -	93.7	90S	145TC
22	79.6	4210	1.25	1618	7 1 .			
19	91.56	4840	1.13	1618	8 0 .			
17	99.54	5235	1.06	1618	1 0 0			
14	119.5	6272	0.88	1618	1 1 2			
49	35.17	1875	3.93	2031	M 0 7 2 2 3 6 1 . 5 B - -	107	90S	145TC
41	42.21	2243	3.34	2034	4 5 .			
35	48.56	2575	2.41	2064	5 0 .			
32	53.96	2853	1.85	2120	5 6 .			
29	58.95	3105	2.03	2118	M 0 7 3 2 5 6 1 . 5 B - -	118	90S	145TC
27	62.83	3310	1.93	2017	6 3 .			
23	74.47	3929	1.72	1849	7 1 .			
22	79.51	4187	1.65	1777	8 0 .			
17	98.66	5189	1.43	1757	1 0 0			
15	116.34	6142	1.25	1452	1 1 2			
13	127.39	6705	1.15	1262	1 2 5			
11	156.12	8209	0.94	913	1 6 0			
10	174.01	9130	0.84	530	1 8 0			
23	74.69	3916	3.64	4496	M 0 8 3 2 7 1 1 . 5 B - -	179.7	90S	145TC
20	84.31	4424	3.34	4496	8 0 .			
17	102.2	5376	2.8	4349	1 0 0			
14	119.19	6255	2.41	4207	1 1 2			
13	130.92	6881	2.19	4109	1 2 5			
11	160.45	8433	1.78	3864	1 6 0			
10	175.21	9199	1.64	3677	1 8 0			
8.5	201.75	10554	1.43	4023	2 0 0			
7.5	228.91	11752	1.03	4252	M 0 8 4 2 2 2 5 1 . 5 B - -	248.1	90S	145TC
6.6	258.98	13277	0.98	4017	2 5 0			
5.7	301.21	15445	0.84	4017	2 8 0			
13	128.66	6794	3.73	6654	M 0 9 3 1 1 2 5 1 . 5 B - -	289.9	90S	145TC
12	145.2	7620	2.87	6632	1 4 0			
11	160.29	8416	2.6	6616	1 6 0			
7.4	231.06	12007	1.95	5780	M 0 9 4 1 2 2 5 1 . 5 B - -	345.1	90S	145TC
6.6	258.09	13394	1.89	5609	2 5 0			
5.7	300.18	15574	1.62	5609	2 8 0			
5.1	335.85	17401	1.45	5609	3 0 0			
4.8	357.95	18564	1.36	5609	3 6 0			
4	424.23	21986	1.15	5609	4 0 0			
3.6	471.32	24392	1.04	5609	4 5 0			
3.4	503.22	26036	0.97	5609	5 0 0			
7.8	220.22	11374	3.43	9347	M 1 0 4 1 2 2 5 1 . 5 B - -	479.5	90S	145TC
7.1	242.24	12510	3.12	9347	2 5 0			
6.2	278.36	14371	2.72	9347	2 8 0			
5.4	315.65	16276	2.4	9347	3 0 0			
4.9	348.16	17966	2.17	9347	3 6 0			
4.3	398.71	20568	1.9	9347	4 0 0			
3.9	443.06	22821	1.71	9347	4 5 0			
3.4	500.94	25788	1.51	9347	5 0 0			
2.9	580.78	29877	1.31	9347	6 5 0			
2.5	692.72	35598	1.1	9347	7 3 0			
2.1	828.21	42418	0.92	9347	8 6 0			
6	286.9	14783	3.8	14529	M 1 3 4 1 2 8 0 1 . 5 B - -	644.9	90S	145TC
5.3	325.33	16741	3.36	14529	3 0 0			
4.8	358.84	18477	3.04	14529	3 6 0			
4.2	410.95	21150	2.66	14529	4 0 0			
3.7	463.22	23825	2.36	14529	4 5 0			
3.3	523.74	26921	2.09	14529	5 0 0			
2.8	607.22	31185	1.8	14529	6 5 0			
2.4	724.25	37152	1.51	14529	7 3 0			
2	858.69	43786	1.28	14529	8 6 0			
1.7	1024.19	52177	1.08	14529	1 0 C			
1.5	1140.7	57989	0.97	14529	1 1 C			
1.4	1249.19	63466	0.89	14529	1 3 C			
3.5	492.49	25347	3.76	18122	M 1 4 4 1 4 5 0 1 . 5 B - -	900.6	90S	145TC
3.1	556.83	28636	3.33	18122	5 0 0			
2.7	645.58	33167	2.87	18122	6 5 0			
2.2	770.01	39506	2.41	18122	7 3 0			
2.1	801.52	41002	2.3	18122	8 6 0			
1.8	929.27	47497	1.99	18122	1 0 C			
1.5	1108.37	56586	1.67	18122	1 1 C			
1.4	1213.79	61920	1.52	18122	1 3 C			
1.1	1502.21	76421	1.17	18144	1 5 C			
0.95	1802.65	91524	0.98	18144	1 8 C			
0.83	2074.02	105218	0.85	18144	2 0 C			

NOTE
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