

TEFC Stainless Steel Motors Performance Data

Hp	Rpm	Frame	Connection	Code	Current at 460V			Torque			Efficiency			Power Factor		
					Idle	Full Load (A)	Locked Rotor (A)	Full load (LB-FT)	Locked Rotor %	Break Down %	Full Load %	¾ Load %	½ Load %	Full Load %	¾ Load %	½ Load %
1/4	3435	56C	2Y/Y	E	0.28	0.43	2.4	0.38	185	305	75	74	70	72	65	54
1/4	1720	56C	2Y/Y	F	0.32	0.45	2.8	0.76	285	360	73	72	69	70	61	46
1/3	3435	56C	2Y/Y	E	0.47	0.60	3.3	0.51	185	305	75	74	71	70	66	54
1/3	1720	56C	2Y/Y	F	0.44	0.60	3.5	1.02	285	360	73	72	69	70	64	46
1/2	3440	56C	2Y/Y	E	0.55	0.84	4.7	0.76	180	305	75	75	72	74	67	55
1/2	1720	56C	2Y/Y	F	0.60	0.87	5.0	1.53	285	340	75	74	72	72	62	49
1/2	1150	56C	2Y/Y	E	0.67	0.91	4.6	2.28	220	250	76	75	74	68	58	48
3/4	3440	56C	2Y/Y	E	0.70	1.17	7.2	1.15	180	300	77	76	73	76	68	57
3/4	1725	56C	2Y/Y	F	0.95	1.25	8.0	2.28	285	330	77	76	73	73	62	49
3/4	1150	56C	2Y/Y	D	0.82	1.29	6.5	3.33	220	230	78	77	74	70	62	48
1	3450	56C	2Y/Y	F	0.78	1.48	9.6	1.50	175	300	78	77	76	81	73	60
1	1725	56C	2Y/Y	H	1.28	1.58	12.5	3.02	275	320	82.5	78	74	72	63	45
1	1150	56C	2Y/Y	E	1.20	1.79	8.9	4.57	220	220	80	77	74	68	61	44
1.5	3450	56C	2Y/Y	F	1.10	2.05	15.0	2.25	175	280	82.5	82	75	83	75	62
1.5	1730	56C	2Y/Y	G	1.50	2.01	17.0	4.56	260	300	84	83	77	79	67	51
2	3450	56C	2Y/Y	F	1.20	2.62	22.0	3.05	170	260	84	83	76	85	77	63
2	1730	56C	2Y/Y	F	1.32	2.69	20.0	6.08	235	290	84	83	76	83	73	61
1	1150	145 TC	2Y/Y	G	1.24	1.70	15.0	4.57	220	240	80	79.5	77.6	68	59.4	46.5
1	1725	143 TC	2Y/Y	J	0.80	1.50	15.0	3.03	320	320	82.5	82.4	81	77	71.50	58.1
1.5	1150	182 TC	2Y/Y	H	1.39	2.20	20.0	6.85	200	230	85.5	85	83.3	75	68.20	55.2
1.5	1725	145 TC	2Y/Y	H	1.22	2.20	20.0	4.57	320	320	84	83.9	82.6	77	71.7	58.4
1.5	3450	143 TC	2Y/Y	H	0.94	2.00	20.0	2.28	220	280	82.5	82.1	80.6	84	77.5	65.6
2	1150	184 TC	2Y/Y	H	1.85	2.90	25.0	9.13	180	220	86.5	86.1	84.5	75	69.1	56.2
2	1735	145 TC	2Y/Y	G	1.81	2.80	25.0	6.06	300	300	84	84.5	84	79	75.4	62.9
2	3450	145 TC	2Y/Y	H	1.20	2.70	25.0	3.05	200	260	84	83.6	82.1	84	78	66.3
3	1170	213 TC	2Y/Y	J	2.63	4.20	32.0	13.67	180	220	87.5	87.1	85.4	75	67.3	54.1
3	1750	182 TC	2Y/Y	K	2.44	3.90	32.0	9.10	220	280	87.5	87.4	86.3	82	76.8	64.8
3	3510	182 TC	2Y/Y	J	2.38	3.80	32.0	4.55	170	250	85.5	86	85.4	87	66.2	76.2
5	1165	215 TC	2Y/Y	H	3.77	7.00	46.0	22.90	180	220	87.5	87.7	86.9	77	72.5	60
5	1750	184 TC	2Y/Y	J	3.17	6.50	46.0	15.01	200	250	87.5	88.1	87.7	7.3	80	68.8
5	3510	184 TC	2Y/Y	J	3.00	6.10	46.0	7.48	170	250	87.5	88	87.9	88	69.8	81.8
7.5	1170	254 TC	2Δ/Δ	G	4.70	10.2	64.0	33.70	180	220	89.5	89.2	87.9	77	69.5	57.5
7.5	1750	213 TC	2Δ/Δ	H	3.49	9.40	64.0	22.51	185	240	89.5	89.9	89.8	87	83.2	74.3
7.5	3520	213 TC	2Δ/Δ	G	2.87	8.90	64.0	11.25	170	250	88.5	89.1	89	89	69.4	85.2
10	1170	256 TC	2Δ/Δ	G	6.43	13.5	81.0	44.90	180	220	89.5	89.7	88.6	78	70.9	58.7
10	1750	215 TC	2Δ/Δ	G	4.53	12.5	81.0	30.02	170	220	89.50	90.4	90.5	84	85.2	77.6
10	3520	215 TC	2Δ/Δ	G	3.69	11.8	81.0	14.92	160	240	89.5	90.1	90.1	89	91.5	86.4
15	1170	284 TC	2Δ/Δ	G	11.4	19.3	116.0	67.35	180	220	90.2	90.1	89.5	81	78.7	68.3
15	1760	254 TC	2Δ/Δ	G	7.75	18.6	116.0	45.03	170	220	91	90.7	89.8	84	81.4	71.4
15	3540	254 TC	2Δ/Δ	G	6.52	17.6	116.0	22.27	160	240	90.2	89.6	88.9	89	89	83.5
20	1175	286 TC	2Δ/Δ	F	14.4	25.8	145.0	89.38	160	210	90.2	90.3	90.2	81	81.4	73.9
20	1760	256 TC	2Δ/Δ	G	9.80	24.5	145.0	59.7	170	220	91	91.8	91.5	84	85	77.6
20	3530	256 TC	2Δ/Δ	F	9.47	23.2	145.0	29.72	150	220	90.2	89.6	89.5	90	90.8	87
25	1770	284 TC	2Δ/Δ	G	10.1	29.6	183.0	74.18	170	220	92.4	91.7	91.1	86	86.4	74.7
25	3550	284 TC	2Δ/Δ	F	9.57	28.7	183.0	36.99	160	220	91	91	90.7	90	89.9	85.1
30	1770	286 TC	2Δ/Δ	F	12.0	35.5	218	89	170	220	92.4	92.1	91.6	86	84.5	76.5
30	3550	286 TC	2Δ/Δ	F	12.1	34.5	218.0	44.35	150	220	91.0	91.1	90.9	90	90.2	85.7

NOTE:

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| 1. Frame 56C 1HP 4P & Below 3/4HP 6P & below | C=11.26 |
| 2. Frame 56C 1.5HP 4P | C=11.67 |
| 3. Frame 56C 2HP 2P 4P 2HP | C=13.23 |
| 4. Frame 143 or 145 1.5HP 4P | C=12.2 |
| 5. Frame 143 or 145 2HP 4P 3HP 2P | C=13.7 |
| 6. Frame 143 or 145 3HP 4P | C=15.3 |