



WATTSaver® PREMIUM EFFICIENCY MOTORS  
GENERAL PURPOSE • THREE PHASE



THREE PHASE • DRIP-PROOF • RIGID BASE  
208-230/460V

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Disc. Sym.	App. Wgt. (lbs.)	Meets NEMA Premium	F.L. Amps 230V	3/4 Load Eff.	% F.L. Eff.	"C" Dim. (Inches)
1/3	1725	S56	103017	A	23	N/A	1.3	73.5	77.0	10.24
1/2	1725	S56	103018	A	26	N/A	1.8	73.8	77.0	10.74
3/4	1725	56	116738	A	30	N/A	2.4	80.4	81.5	10.86
1	3450	56	116128	A	29	✓	2.8	78.5	80.0	10.18
	1725	56	116752	A	36	✓	3.2	84.7	85.5	11.68
	1725	143T	121003	B	36	✓	3.2	84.7	85.5	12.12
	1160	145T	121517	B	41	✓	3.8	81.5	82.5	12.62
1 1/2	3450	56	116753	A	36	✓	4.0	83.5	84.0	11.84
	3450	143T	121514	B	36	✓	4.0	83.5	84.0	12.28
	1725	56	116754	A	35	✓	4.8	86.1	86.5	12.22
	1725	145T	121004	B	35	✓	4.8	86.1	86.5	12.62
	1170	182T	131971	B	70	✓	5.6	86.0	86.5	14.69
2	3450	56	116755	A	43	✓	4.8	86.8	85.5	12.18
	3450	145T	121515	B	43	✓	4.8	86.8	85.5	12.62
	1725	56H	116756	A	37	✓	5.8	86.7	86.5	13.22
	1725	145T	121005	B	37	✓	5.8	86.7	86.5	13.62
	1170	184T	131972	B	81	✓	7.2	87.5	87.5	15.19
3	3450	145T	121516	B	45	✓	7.2	85.5	86.5	12.62
	1760	182T	131519	B	75	✓	7.8	90.2	89.5	13.69
	1190	213T	171574	C	154	✓	10.0	87.5	88.5	16.38
5	3450	184T	131986	B	92	✓	12.0	86.8	86.5	15.19
	1760	184T	131520	B	86	✓	12.8	89.4	89.5	14.69
	1190	215T	171575	C	291	✓	15.0	89.5	90.2	16.38
7 1/2	3450	184T	131988	B	106	✓	17.6	88.0	88.5	16.19
	1760	213T	140470	B	133	✓	20.6	91.7	91.0	16.25
	1760	213T	170142	C	160	✓	19.8	91.7	91.0	16.38
	1170	254T	170145	C	281	✓	22.4	91.0	91.7	20.94
10	3515	213T	140753	B	160	✓	23.4	89.5	89.5	17.30
	3510	213T	170143	C	150	✓	23.6	91.0	91.0	16.38
	1760	215T	140472	B	144	✓	26.8	91.0	91.7	17.25
	1760	215T	170144	C	200	✓	25.6	91.7	91.7	17.87
	1190	256T	170146	C	305	✓	29.6	91.7	91.7	22.60
15	3510	215T	140754	B	170	✓	35.0	91.0	91.0	18.55
	3510	215T	170064	C	175	✓	34.6	91.0	91.0	17.87
	1770	254T	170065	C	279	✓	37.0	93.0	93.0	20.94
	1170	284T	170067	C	414	✓	39.4	92.4	92.4	23.54
20	3525	254T	170032	C	275	✓	46.0	93.0	93.0	20.94
	1770	256T	170006	C	324	✓	51.0	93.0	93.0	22.60
	1190	286T	170000	C	467	✓	55.0	92.4	92.4	25.00
25	3525	256T	170034	C	327	✓	57.4	93.0	93.0	22.60
	1770	284T	170009	C	404	✓	59.6	93.6	93.6	23.54
	1190	324T	170002	C	705	✓	67.0	93.0	93.0	26.02
30	3550	284TS	170036	C	396	✓	67.0	94.1	94.1	22.17
	1770	286T	170013	C	471	✓	71.0	94.5	94.1	25.00
	1190	326T	170004	C	760	✓	78.0	93.6	93.6	27.52
40	3550	286TS	170038	C	441	✓	91.2	94.1	93.6	23.62
	1780	324T	170017	C	560	✓	96.0	94.1	94.1	26.02
	1190	364T	170147	C	892	✓	103.0	94.1	94.1	28.01

All WATTSaver® motors have normally closed thermostats for over-temperature alert.

All 180 and 210 frame Rolled Steel motors have Class F Insulation.

**SHADED FRAME INDICATES CAST IRON CONSTRUCTION**

All three phase motors, 1 HP and above, are inverter rated. Refer to page 5 for speed ranges.

THREE PHASE • TEFC • RIGID BASE  
208-230/460V

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Disc. Sym.	App. Wgt. (lbs.)	Meets NEMA Premium	F.L. Amps 230V	3/4 Load Eff.	% F.L. Eff.	"C" Dim. (Inches)
1/3	1725	S56	103019	A	24	N/A	1.3	73.5	77.0	10.19
1/2	1725	S56	103020	A	27	N/A	1.8	73.8	77.0	10.69
3/4	1725	56	116739	A	31	N/A	2.4	80.2	81.5	11.31
1	3450	56	116129	A	29	✓	2.8	80.0	80.0	11.31
	1725	56	116757	A	32	✓	3.2	84.7	85.5	12.81
	1725	143T	120921	B	32	✓	3.2	84.7	85.5	13.25
	1725	143T	171640	B	50	✓	3.2	84.7	85.5	13.46
	1160	145T	121520	B	47	✓	3.8	81.5	82.5	13.75
	1140	145T	171643	B	58	✓	3.8	81.5	82.5	13.46
1 1/2	3450	56	116758	A	33	✓	4.0	83.0	84.0	12.81
	3450	143T	121518	B	33	✓	4.0	83.0	84.0	13.25
	3450	143T	171642	B	49	✓	4.0	83.0	84.0	13.46
	1725	56	116759	A	34	✓	4.8	86.1	86.5	13.31
	1725	145T	120922	B	34	✓	4.8	86.1	86.5	13.75
	1725	145T	171646	B	54	✓	4.8	86.1	86.5	13.46
	1170	182T	131980	B	89	✓	5.6	87.4	87.5	15.96
2	3450	56	116760	A	44	✓	4.8	84.8	85.5	13.31
	3450	145T	121519	B	44	✓	4.8	84.8	85.5	13.75
	3450	145T	171648	B	56	✓	4.8	84.8	85.5	13.46
	1725	56H	116761	A	45	✓	5.8	86.7	86.5	14.32
	1725	145T	120923	B	45	✓	5.8	86.7	86.5	14.76
	1725	145T	171647	B	58	✓	5.8	86.5	86.5	13.46
	1170	184T	131981	B	92	✓	7.2	88.4	88.5	15.96
3	3450	182T	131985	B	66	✓	7.6	86.1	86.5	13.96
	1760	182T	131463	B	80	✓	7.8	89.0	89.5	14.96
	1760	182T	171320	C	104	✓	7.8	89.5	90.2	16.14
	1180	213T	171378	C	170	✓	9.4	88.5	89.5	18.19
5	3450	184T	131987	B	88	✓	12.0	89.0	88.5	16.46
	1760	184T	131464	B	94	✓	12.8	90.1	89.5	15.96
	1760	184T	171322	C	109	✓	12.8	89.9	89.5	16.80
	1180	215T	171379	C	176	✓	14.4	89.5	89.5	19.61
7 1/2	3510	213T	140756	C	156	✓	17.8	89.5	90.2	19.84
	3510	213T	170158	C	147	✓	18.0	91.0	91.0	18.19
	1760	213T	140450	C	144	✓	21.4	90.6	91.7	18.70
	1760	213T	170157	C	155	✓	18.6	91.7	91.7	18.19
	1170	254T	170122	C	249	✓	22.2	91.0	91.7	23.19
10	3510	215T	140755	B	170	✓	23.6	92.4	91.7	21.09
	3510	215T	170159	C	181	✓	23.0	91.7	91.7	19.61
	1760	215T	140451	B	161	✓	26.6	91.6	91.7	19.70
	1760	215T	170140	C	177	✓	25.0	91.7	91.7	19.61
	1170	256T	170123	C	300	✓	29.0	91.7	91.7	24.92
15	3525	254T	170062	C	282	✓	34.6	92.4	92.4	23.19
	1770	254T	170066	C	280	✓	36.0	92.4	92.4	23.19
	1170	284T	170068	C	333	✓	40.6	92.0	92.4	26.26
20	3525	256T	170033	C	316	✓	46.0	92.4	92.4	24.92
	1770	256T	170007	C	322	✓	49.0	93.0	93.0	24.92
	1170	286T	170001	C	392	✓	54.0	92.4	92.4	27.83
25	3550	284TS	170035	C	383	✓	56.8	93.0	93.0	24.88
	1770	284T	170011	C	385	✓	59.0	93.6	93.6	26.26
	1190	324T	170003	C	545	✓	66.0	92.4	93.0	29.53
30	3550	286TS	170037	C	385	✓	67.6	93.6	93.0	26.46
	1770	286T	170015	C	432	✓	70.0	94.1	94.1	27.83
	1190	326T	170005	C	615	✓	77.2	93.6	93.6	31.02

All WATTSaver® motors have normally closed thermostats for over-temperature alert.

Catalog numbers in blue are available in 3rd quarter 2008.



THREE PHASE • DRIP-PROOF • RIGID BASE  
208-230/460V • CONTINUED

THREE PHASE • TEFC • RIGID BASE  
208-230/460V • CONTINUED

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Disc. Sym.	App. Wgt. (lbs.)	Meets NEMA Premium	F.L. Amps 230V	3/4 Load Eff.	% F.L. Eff.	"C" Dim. (Inches)
50	3550	324TS	170040	C	548	✓	112.0	95.0	94.1	24.53
	1780	326T	170021	C	614	✓	118.0	94.5	94.5	27.52
	1190	365T	170148	C	918	✓	128.0	94.7	94.5	31.18
60	3550	326TS	170042	C	590	✓	136.0	95.0	94.1	26.02
	1780	364T	170025	C	716	✓	139.0	95.0	95.4	28.01
	1190	404T	170149	C	1031	✓	159.0	94.0	94.5	32.76
75	3570	364TS	170044	C	720	✓	176.0	94.5	93.6	26.89
	1780	365T	170029	C	766	✓	172.0	95.4	95.4	31.18
	1190	405T	170150	C	1095	✓	196.0	94.0	94.5	34.25
100	3570	365TS	170151	C	775	✓	234.0	94.5	94.5	29.06
	1780	404T	170152	C	1141	✓	225.0	95.4	95.4	32.76
	1190	444T	170255*	C	1975	✓	118.0◆	95.4	95.4	40.00
125	3570	404TS	170154	C	1015	✓	284.0	94.5	94.5	29.76
	1780	405T	170155	C	1236	✓	280.0	95.4	95.4	34.25
	1190	445T	170259*	C	2022	✓	148.0◆	95.8	95.8	40.00
150	3570	405TS	171449*	C	1085	✓	169.0◆	94.5	94.5	31.26
	1780	444T	171522*	C	2000	✓	164.0◆	95.8	95.8	40.00
	1190	445T	171576*	C	2040	✓	206.0◆	95.8	95.8	40.00
200	3570	444TS	171573*	C	1765	✓	216.0◆	95.4	95.4	36.25
	1780	445T	171523*	C	2037	✓	220.0◆	95.8	95.8	40.00
	1190	447T	171577*	C	2820	✓	239.0◆	95.8	96.2	43.12

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HP	RPM 60 Hz	NEMA Frame	Catalog Number	Disc. Sym.	App. Wgt. (lbs.)	Meets NEMA Premium	F.L. Amps 230V	3/4 Load Eff.	% F.L. Eff.	"C" Dim. (Inches)
40	3550	324TS	170039	C	504	✓	90.0	93.6	93.6	28.03
	1780	324T	170019	C	528	✓	92.0	93.6	94.1	29.53
	1180	364T	170096	C	636	✓	102.0	94.1	94.1	32.64
50	3550	326TS	170041	C	554	✓	111.0	95.0	94.5	29.53
	1780	326T	170023	C	587	✓	117.0	94.5	94.5	31.02
	1180	365T	170097	C	672	✓	124.0	94.1	94.1	33.62
60	3570	364TS	170043	C	735	✓	136.0	93.6	94.1	30.51
	1780	364T	170027	C	666	✓	137.0	95.0	95.4	32.64
	1190	404T	170098	C	870	✓	142.0	94.5	94.5	36.42
75	3570	365TS	170045	C	780	✓	169.0	94.5	94.5	31.50
	1780	365T	170031	C	733	✓	171.0	95.8	95.8	33.62
	1190	405T	170099	C	975	✓	176.0	95.0	95.0	37.91
100	3570	405TS	170160	C	955	✓	218.0	94.5	95.0	34.92
	1780	405T	170087	C	1070	✓	225.0	95.4	95.4	37.91
	1190	444T	170256*	C	1457	✓	121.0◆	95.0	95.0	42.87
125	1790	444T	170369*	C	1950	✓	137.5◆	95.4	95.4	42.87
	1190	445T	170260*	C	1596	✓	155.0◆	95.4	95.4	44.88
	3570	444TS	171580*	C	1316	✓	132.0	94.5	95.0	39.10
150	1790	445T	170371*	C	1627	✓	163.0◆	95.8	95.8	44.88
	1190	447T	171315*	C	2230	✓	185.5◆	95.8	95.8	48.00
	3570	445TS	171578*	C	1445	✓	161.0	94.5	95.0	44.88
200	1790	447T	170352*	C	2227	✓	216.0◆	96.2	96.2	48.00
	1190	449T	171316*	C	2542	✓	241.5◆	95.8	95.8	52.80
	3570	447TS	171579*	C	1977	✓	216.5	95.0	95.4	48.00

All WATTS AVER® motors have normally closed thermostats for over-temperature alert.

\* 460V only  
◆ Full Load Amps 460V

SHADED FRAME INDICATES CAST IRON CONSTRUCTION

All three phase motors, 1 HP and above, are inverter rated. Refer to page 5 for speed ranges.



WATTS AVER® PREMIUM EFFICIENCY MOTORS  
GENERAL PURPOSE • THREE PHASE



THREE PHASE • DRIP-PROOF • C FACE LESS BASE  
208-230/460V

THREE PHASE • DRIP-PROOF • C FACE WITH BASE  
208-230/460V

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Disc. Sym.	App. Wgt. (lbs.)	Meets NEMA Premium	F.L. Amps 230V	3/4 Load Eff.	% F.L. Eff.	"C" Dim. (Inches)
1/3	1725	S56C	102695	A	22	N/A	1.3	73.5	77.0	10.24
1/2	1725	S56C	102200	A	25	N/A	1.8	73.8	77.0	10.74
3/4	1725	56C	114934	A	29	N/A	2.4	80.4	81.5	10.86
1	1725	56C	116740	A	32	✓	3.4	84.7	85.5	11.68
	1725	143TC	121064	B	32	✓	3.4	84.7	85.5	12.12
1 1/2	1725	56C	116741	A	36	✓	5.6	86.1	86.5	12.68
	1725	145TC	121063	B	36	✓	5.6	86.1	86.5	13.12
2	1725	56C	116742	A	41	✓	5.8	86.7	86.5	13.18
	1725	145TC	121071	B	41	✓	5.8	86.7	86.5	13.62
3	1760	182TC	131518	B	75	✓	7.8	90.2	89.5	14.20
5	1760	184TC	131517	B	96	✓	12.8	90.1	89.5	15.20
7 1/2	1760	213TC	140483	B	132	✓	20.6	91.7	91.0	16.25
10	1760	215TC	140485	B	144	✓	26.8	92.2	91.7	17.25

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Disc. Sym.	App. Wgt. (lbs.)	Meets NEMA Premium	F.L. Amps 230V	3/4 Load Eff.	% F.L. Eff.	"C" Dim. (Inches)
1/3	1725	S56C	103021	A	23	N/A	1.3	73.5	77.0	10.24
1/2	1725	S56C	103022	A	26	N/A	1.8	73.8	77.0	10.74
3/4	1725	56C	116762	A	30	N/A	2.4	80.4	81.5	10.86
1	1725	56C	116763	A	33	✓	3.4	84.7	85.5	11.68
	1725	143TC	121674	B	34	✓	3.4	84.7	85.5	12.12
1 1/2	1725	56C	116764	A	37	✓	5.6	86.1	86.5	12.68
	1725	145TC	121675	B	37	✓	5.6	86.1	86.5	13.12
2	1725	56HC	116765	A	42	✓	5.8	86.7	86.5	13.18
	1725	145TC	121676	B	42	✓	5.8	86.7	86.5	13.62
3	1760	182TC	132081	B	76	✓	7.8	90.2	89.5	14.20
5	1760	184TC	132082	B	97	✓	12.8	90.1	89.5	15.20
7 1/2	1760	213TC	140767	B	132	✓	20.6	91.7	91.0	16.25
10	1760	215TC	140768	B	144	✓	26.8	91.7	91.7	17.25

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All WATTS AVER® motors have normally closed thermostats for over-temperature alert.



THREE PHASE • TEFC • C FACE LESS BASE  
208-230/460V

THREE PHASE • TEFC • C FACE WITH BASE  
208-230/460V

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Disc. Sym.	App. Wgt. (lbs.)	Meets NEMA Premium	F.L. Amps 230V	3/4 Load Eff.	% F.L. Eff.	"C" Dim. (Inches)
1/3	1725	S56C	102696	A	22	N/A	1.3	73.5	77.0	10.19
1/2	1725	S56C	101780	A	25	N/A	1.8	73.8	77.0	10.69
3/4	1725	56C	114213	A	27	N/A	2.7	80.2	81.5	11.31
1	3450	56C	116748	A	29	✓	2.8	80.0	80.0	11.31
	1725	56C	114638	A	34	N/A	3.4	84.7	85.5	12.81
	1725	143TC	121067	B	36	✓	3.4	84.7	85.5	13.25
	1160	56C	116749	A	47	✓	3.8	81.5	82.5	13.75
1 1/2	3450	56C	116750	A	33	✓	4.0	83.0	84.0	13.25
	1725	56C	116743	A	41	✓	4.8	86.1	86.5	13.31
2	1725	145TC	121066	B	41	✓	5.6	86.1	86.5	13.75
	3450	56C	116751	A	44	✓	4.8	84.8	85.5	14.25
2	1725	56C	116744	A	45	✓	5.8	86.7	86.5	13.82
	1725	145TC	121065	B	45	✓	5.8	86.7	86.5	14.26
3	1760	182TC	131503	B	72	✓	7.8	89.0	89.5	14.96
5	1760	184TC	131501	B	90	✓	12.8	90.1	89.5	15.97
7 1/2	1760	213TC	140486	B	144	✓	21.4	90.6	91.7	18.70
10	1760	215TC	140484	B	160	✓	26.6	91.6	91.7	19.70

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Disc. Sym.	App. Wgt. (lbs.)	Meets NEMA Premium	F.L. Amps 230V	3/4 Load Eff.	% F.L. Eff.	"C" Dim. (Inches)
1/3	1725	S56C	102697	A	22	N/A	1.3	73.5	77.0	10.19
1/2	1725	S56C	102024	A	23	N/A	1.8	73.8	77.0	10.69
3/4	1725	56C	114624	A	25	N/A	2.7	80.2	81.5	11.31
1	1725	56C	116745	A	34	✓	3.4	84.7	85.5	12.81
	1725	143TC	121179	B	34	✓	3.4	84.7	85.5	13.25
1 1/2	3450	143TC	121672	B	33	✓	3.6	83.0	84.0	13.25
	1725	56C	116746	A	37	✓	5.6	86.1	86.5	13.31
2	1725	145TC	121180	B	37	✓	5.6	86.1	86.5	13.75
	3450	145TC	121673	B	44	✓	4.8	84.8	85.5	13.75
2	1725	56HC	116747	A	43	✓	5.8	86.7	86.5	13.82
	1725	145TC	121181	B	43	✓	5.8	86.7	86.5	14.26
3	3450	182TC	132079	B	70	✓	7.6	86.1	86.5	13.96
	1760	182TC	131504	B	75	✓	7.8	89.0	89.5	14.96
5	3450	184TC	132080	B	100	✓	12.8	88.0	88.5	16.46
	1760	184TC	131502	B	99	✓	12.8	90.1	89.5	15.97
7 1/2	3450	213TC	140770	B	160	✓	17.8	89.5	90.2	19.64
	1760	213TC	140521	B	144	✓	21.4	90.6	91.7	18.70
10	3510	215TC	140769	B	175	✓	23.6	92.4	91.7	21.09
	1760	215TC	140522	B	160	✓	26.6	91.6	91.7	19.70
15	3525	254TC	171586	C	292	✓	34.6	92.0	92.4	23.19
	1770	254TC	171587	C	290	✓	36.0	92.4	92.4	23.19
20	3525	256TC	171588	C	326	✓	46.0	93.0	92.4	24.92
	1770	256TC	171589	C	332	✓	49.0	93.0	93.0	24.92
25	3550	284TSC	171590	C	393	✓	56.8	93.3	93.0	24.88
	1770	284TC	171591	C	395	✓	59.0	94.0	93.6	26.26
30	1770	286TC	171592	C	442	✓	70.0	94.1	94.1	27.83
40	1780	324TC	171593	C	538	✓	92.0	94.0	94.1	29.53
50	1780	326TC	171594	C	597	✓	117.0	94.6	94.5	31.02
60	1780	364TC	171595	C	676	✓	137.0	95.0	95.4	32.64
75	1780	365TC	171596	C	743	✓	170.0	95.8	95.8	33.62
100	1780	405TC	171597	C	1002	✓	225.0	95.4	95.4	37.91

All WATTS AVER® motors have normally closed thermostats for over-temperature alert.

All WATTS AVER® motors have normally closed thermostats for over-temperature alert.

SHADED FRAME INDICATES CAST IRON CONSTRUCTION

All three phase motors, 1 HP and above, are inverter rated. Refer to page 5 for speed ranges.

# WATTSAYER® PREMIUM EFFICIENCY MOTORS

## GENERAL PURPOSE • SINGLE PHASE • FHP THREE PHASE



### WATTSAYER® PREMIUM EFFICIENCY HIGH TORQUE

WATTSAYER® Premium Efficiency Motors provide enhanced operating efficiencies, cooler operating temperatures, and reduced running amperage. See page 13 for complete list of features.



### SINGLE PHASE • TEFC • RIGID BASE

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Over- load Prot.	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (Inches)
1/3	1725	56	113765☆	A	27	115/208-230	Man.	1.7	76.0	10.81
1/2	1725	56	113766☆	A	30	115/208-230	Man.	2.5	78.0	11.31
3/4	1725	56	113767☆	A	35	115/208-230	Man.	3.2	82.0	11.81
1	1725	56	113768☆	A	37	115/208-230	Man.	4.2	83.0	12.31
1 1/2	1725	56H	113769☆□	A	43	115/208-230	Man.	6.5	84.0	13.31
2	1725	56HZ	113770☆■	A	49	230	Man.	8.2	85.0	14.25

### WATTSAYER® PREMIUM EFFICIENCY FAN MOTORS

Premium efficiency motors for agricultural and industrial belted-fan applications.

Features include quiet bearings, resilient cradle base, and quiet flow-through ventilation. Class "F" insulated, with spade connectors on terminal board for quick and easy installation.



### SINGLE PHASE • DRIP-PROOF • RESILIENT BASE

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Over- load Prot.	F.L. Amps 115V	% F.L. Eff.	"C" Dim. (Inches)
1/4	1725	48	101602	A	19	115	Auto.	2.5	71.0	10.39
1/3	1725	48	101405	A	19	115	Auto.	3.2	75.0	10.39
	1725/ 1140	56HZ	113771@D	A	30	115	Auto.	3.0	73.0	11.44
	1725/ 1140	56HZ	113970@D	A	30	115	Auto.	3.2	73.0	11.94
	1725/ 850	56HZ	113674@D	A	30	115	Auto.	3.1	70.0	11.44
	1725/ 850	56HZ	113969@D	A	30	115	Auto.	3.2	73.0	11.94
1/2	1725	48	101585	A	25	115	Auto.	4.6	76.0	11.39

- Ⓜ These combination 56H base motors have mounting holes for 56 and 143-5T, and a 1/2" diameter shaft with flat 1 1/2" long.
- ☆ Capacitor start/capacitor run design for reduced amperage, others are capacitor start/induction run.
- Combination 56 H base motors have mounting holes for NEMA 56 and NEMA 143-5T and a standard NEMA 56 shaft.
- Combination 56 HZ base has mounting holes for NEMA 56 and 143-5T and a standard NEMA 145T frame shaft of 7/8" diameter.
- D Motors are to be discontinued once the inventory is depleted.

### FHP MOTORS FOR AC DRIVES

- Compact 48-frame design with keyed shaft
- Class F insulation
- 20:1 Constant torque rated
- Inverter IRIS™ insulation system
- 1/2" diameter keyed shaft with 48-C Face
- 115/230V 3-phase design optimized for FHP drives



### THREE PHASE • TEFC • C FACE WITH BASE

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Disc. Sym.	App. Wgt. (lbs.)	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (Inches)
1/6	1725	48CZ	102792	A	25	1.25	56.0	8.94
1/4	1725	48CZ	102793	A	26	1.4	58.0	8.94
1/3	1725	48CZ	102794	A	28	1.6	64.3	9.19
1/2	1725	48CZ	102795	A	30	1.8	77.0	10.19

All three phase motors, 1 HP and above, are inverter rated. Refer to page 5 for speed ranges.

# SEVERE DUTY WATTS AVER PLUS & IEEE PREMIUM EFFICIENT MOTORS



## General Specifications:

Designed specifically to meet severe duty environments that you may find in applications such as chemical plants, foundries, pulp and paper mills, waste management facilities, refineries, above ground mines or other applications that demand corrosion protection for long motor life and dependability.



## Mechanical Protection Features:

- Full cast iron construction
- Two-part Epoxy paint
- Inpro Shaft Seal on output shaft and Forsheda seal on non-drive end
- Internal corrosion protection
- Regreasable bearings 250 Frame and above
- Three Year warranty
- Stainless Steel nameplate
- Corrosion Resistant hardware

## Electrical Performance and Protection Features:

- 1.15 Service Factor
- Meets IP 55 enclosure protection
- Dual voltage design
- Normally Closed Thermostats

## Standards and Approvals:

- UL and CSA recognized
- Construction is CSA Certified for safety report number LR62104
- UL recognized construction, file number E57948

## General Specifications:

Designed for harsh environments that you may find in refineries, above-ground mines, foundries, paper and pulp mills, cement plants or other severe duty applications requiring a premium efficient motor.



## Mechanical Protection Features:

- Inpro Shaft Seals installed
- Re-greasable bearings by using extended grease tubes.
- Five-year warranty
- Two part epoxy painted
- Brass breather and drain plug

## Electrical Performance and Protection Features:

- Tested to IEEE-841 Standards
- Actual test and vibration Data supplied with each motor
- Meets NEMA MG1 – 1.26.6 Waterproof Specification
- Nameplate stamped to Division 2 CSA certification for hazardous locations, Class 1 Groups A, B, C, D, Temperature code T2B
- Meets NEMA Premium Efficient standards
- 1.15 Service Factor
- Class F Insulation System

## Standards and Approvals:

- UL Recognized and CSA Certified
- Tested to IEEE45 USCG Marine Duty, API RP14F for offshore platforms
- Meets IP56

## SEVERE DUTY • WATTS AVER PLUS

HP	RPM 60 Hz	NEMA Frame	Catalog Number	Disc. Sym.	App. Wgt. (lbs.)	Voltage	Over- load Prot.	F.L. Amps 230V	"C" Dim. (Inches)
3	1760	182T	171623	C	112	208-230/460	7.8	90.2	16.64
	1180	213T	171634	C	180	208-230/460	9.4	89.5	18.69
5	1760	184T	171630	C	120	208-230/460	12.8	89.5	17.30
	1180	215T	171635	C	186	208-230/460	14.4	89.5	20.11
7½	3510	213T	171616	C	155	208-230/460	18	91.0	18.69
	1760	213T	171622	C	165	208-230/460	18.6	91.7	18.69
	1170	254T	171636	C	263	208-230/460	22.2	91.7	23.69
10	3510	215T	171617	C	190	208-230/460	23	91.7	20.11
	1760	215T	171631	C	187	208-230/460	25	91.7	20.11
	1170	256T	171637	C	312	208-230/460	29	91.7	25.42
15	3525	254T	171620	C	294	208-230/460	34.6	92.4	23.69
	1770	254T	171632	C	294	208-230/460	36	92.4	23.69
	1170	284T	171638	C	346	208-230/460	40.6	92.4	26.76
20	3525	256T	171621	C	330	208-230/460	46	92.4	25.42
	1770	256T	171633	C	335	208-230/460	49	93.0	25.42
	1170	286T	171639	C	405	208-230/460	54	92.4	28.33

## IEEE 841 PREMIUM EFFICIENT MOTORS

HP	RPM	NEMA Frame	IEEE 841 Catalog Number	Disc. Sym.	App. Wgt. (lbs.)	Voltage	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (Inches)
1	1725	143T	811541	C	55	460	1.5	85.5	10.43
1½	3460	143T	811542	C	58	460	2.0	86.5	10.43
	1730	145T	811543	C	65	460	2.2	84.0	11.43
2	3500	145T	811544	C	68	460	2.5	85.5	11.43
	1735	145T	811545	C	68	460	3.0	85.5	11.43
3	3525	182T	811546	C	105	460	3.8	87.5	12.71
	1760	182T	811547	C	100	460	4.0	90.2	12.71
5	3505	184T	811548	C	142	460	5.9	89.5	16.19
	1755	184T	811549	C	130	460	6.2	90.2	16.19
7½	3540	213T	811550	C	200	460	8.9	91.7	17.18
	1770	213T	811551	C	200	460	9.6	91.7	19.73
10	3535	215T	811552	C	218	460	11.2	91.7	20.97
	1765	215T	811553	C	225	460	12.5	91.7	19.73
15	3550	254T	811554	C	345	460	17.5	91.7	23.52
	1775	254T	811555	C	350	460	18.8	92.4	23.52
20	3537	256T	811556	C	375	460	23.4	92.4	25.27
	1775	256T	811557	C	425	460	24.1	93.0	25.27
25	3560	284TS	811558	C	481	460	28.1	93.6	24.97
	1775	284T	811559	C	478	460	31.0	93.6	26.34

All three phase motors, 1 HP and above, are inverter rated. Refer to page 5 for speed ranges.

SHADED FRAME INDICATES CAST IRON CONSTRUCTION