GENERAL PURPOSE MOTORS – NEMA 56 ODP – THREE PHASE

Rated Output		NEMA	Rated Speed	Full Load Current In A		Locked Rotor Current kVA Lb.ft	Full Load Torque Tn Lb.ft	Locked Rotor Torque Tl / Tn	Break Down Torque Tb / Tn	Efficiency % of full load			Power Factor % of full load			Service Factor SF	Moment of inertia Wk2 lb.ft2	Approx Weight
HP	kW	Frame	rpm	at 230 V	at 460 V					50	75	100	50	75	100			Lb
0.25	0.18	A56	3480	1.10	0.55	L	0.4	3.0	3.5	44.5	53.0	59.5	0.55	0.64	0.72	1.35	0.01376	18
		A56	1750	1.35	0.68	N	0.7	2.7	2.7	50.5	57.5	62.0	0.44	0.52	0.60	1.35	0.03892	19
		A56	1150	1.50	0.75	K	1.1	2.8	3.0	42.0	52.5	57.5	0.40	0.47	0.54	1.35	0.04556	18
0.33	0.25	A56	3500	1.40	0.70	L	0.5	2.6	3.1	47.0	56.2	62.0	0.54	0.64	0.72	1.35	0.01661	19
		A56	1740	1.40	0.70	J	1.0	2.4	3.0	52.5	62.0	64.0	0.47	0.57	0.69	1.35	0.03892	19
		A56	1140	1.45	0.73	J	1.5	2.7	3.0	59.5	64.0	66.0	0.44	0.55	0.64	1.35	0.05861	21
0.5	0.37	A56	3475	1.85	0.93	K	0.8	2.5	3.0	55.0	62.5	66.0	0.57	0.68	0.77	1.25	0.01946	21
		A56	1730	1.83	0.92	J	1.5	2.2	2.8	62.0	66.0	70.0	0.51	0.62	0.73	1.25	0.05197	20
		B56	1140	2.00	1.00	J	2.3	2.5	2.7	62.0	68.0	72.0	0.44	0.55	0.64	1.25	0.07166	26
0.75	0.55	B56	3455	2.40	1.20	J	1.1	2.4	2.5	64.0	69.5	72.0	0.61	0.73	0.81	1.25	0.02207	22
		B56	1735	2.70	1.35	J	2.2	2.2	2.7	64.0	70.0	72.0	0.50	0.63	0.72	1.25	0.06502	24
		D56	1130	2.70	1.35	H	3.4	2.1	2.2	68.0	70.0	70.0	0.52	0.65	0.73	1.15	0.09089	31
1	0.75	B56	3465	3.10	1.55	K	1.5	2.6	2.7	66.5	72.0	74.0	0.62	0.73	0.81	1.25	0.02776	24
		B56	1720	3.30	1.65	H	3.0	2.2	2.5	68.0	72.0	74.0	0.54	0.67	0.77	1.15	0.07143	26
		F56H	1120	3.45	1.73	H	4.6	2.2	2.3	72.0	74.0	74.0	0.51	0.64	0.73	1.15	0.12980	41
1.5	1.1	D56	3400	4.25	2.13	H	2.3	2.2	2.3	72.0	76.0	75.5	0.69	0.81	0.87	1.15	0.03037	23
		D56	1710	4.50	2.25	H	4.5	2.7	2.7	74.0	77.0	78.5	0.58	0.70	0.80	1.15	0.09089	31
2	1.5	D56	3450	5.35	2.68	K	3.0	3.6	3.4	77.0	80.0	80.0	0.68	0.78	0.86	1.15	0.04153	34
		F56H	1700	6.00	3.00	H	6.1	2.5	2.5	74.0	77.0	77.0	0.59	0.71	0.80	1.15	0.10394	38
3	2.2	F56H	3370	7.65	3.83	H	4.6	3.1	2.3	81.0	82.0	81.5	0.78	0.86	0.90	1.15	0.04983	42
		F56H	1730	9.50	4.75	L	9.0	3.8	3.5	78.5	81.5	82.5	0.47	0.61	0.72	1.15	0.15591	42

GENERAL PURPOSE MOTORS – NEMA 56 TEFC – THREE PHASE

Rated Output		NEMA	Rated Speed	Full Load Current In A		Locked Rotor Current kVA Lb.ft	Full Load Torque Tn Lb.ft	Locked Rotor Torque Tl / Tn	Break Down Torque Tb / Tn	Efficiency % of full load			Power Factor % of full load			Service Factor SF	Moment of inertia Wk2 lb.ft2	Approx Weight
HP	kW	Frame	rpm	at 230 V	at 460 V					50	75	100	50	75	100			Lb
0.25	0.18	B56	3420	0.89	0.45	L	0.51	4.0	3.8	48.5	57.0	62.0	0.72	0.79	0.85	1.15	0.02373	19
		B56	1740	1.00	0.50	K	1.01	2.7	3.5	59.5	66.0	70.0	0.47	0.58	0.67	1.15	0.05363	20
0.33	0.25	B56	3465	1.20	0.60	N	0.67	5.0	4.0	52.5	61.0	66.0	0.61	0.71	0.78	1.15	0.02373	21
		B56	1730	1.10	0.55	K	1.34	3.0	3.5	68.0	74.0	75.5	0.53	0.66	0.74	1.15	0.06241	22
0.5	0.37	B56	3450	1.65	0.83	M	1.02	4.8	4.0	58.0	66.0	72.0	0.63	0.73	0.80	1.15	0.02776	23
		B56	1735	1.65	0.83	K	2.02	3.0	3.5	72.0	75.5	77.0	0.52	0.64	0.73	1.15	0.07143	24
		B56	1160	2.60	1.30	M	3.03	3.5	4.0	59.5	66.0	70.0	0.34	0.43	0.51	1.15	0.10679	28
0.75	0.55	B56	3440	2.19	1.10	L	1.53	4.0	3.5	66.5	72.5	77.0	0.67	0.78	0.83	1.15	0.03156	25
		B56	1730	2.23	1.12	K	3.05	3.0	3.0	75.5	78.5	80.0	0.57	0.70	0.79	1.15	0.08922	27
		D56	1160	2.95	1.48	L	4.54	3.0	3.5	75.5	80.0	81.5	0.38	0.49	0.58	1.15	0.14214	35
1	0.75	B56	3450	2.80	1.40	L	2.04	4.2	3.5	70.0	76.0	80.0	0.69	0.79	0.85	1.15	0.03963	29
		D56	1730	2.90	1.45	K	4.06	3.0	3.0	78.5	81.5	81.5	0.58	0.71	0.79	1.15	0.10702	31
		F56H	1160	3.65	1.83	K	6.06	2.5	3.0	78.5	81.5	81.5	0.41	0.53	0.62	1.15	0.17774	42
1.5	1.1	B56	3440	3.91	1.96	K	3.06	4.5	3.5	76.0	80.0	82.5	0.72	0.82	0.88	1.15	0.05149	32
		D56	1730	4.25	2.13	K	6.09	3.0	3.0	78.5	81.5	81.5	0.60	0.72	0.81	1.15	0.13384	35
2	1.5	D56	3440	5.15	2.58	L	4.08	4.8	3.4	77.6	81.5	82.5	0.71	0.82	0.88	1.15	0.05933	36
		F56H	1730	5.50	2.75	J	8.12	3.0	3.0	82.5	84.0	84.0	0.60	0.74	0.81	1.15	0.17845	43
3	2.2	F56H*	3430	7.60	3.80	L	6.14	5.1	3.2	80.5	83.0	84.0	0.70	0.81	0.88	1.15	0.07119	41

* ΔT = 105K

W21 HIGH EFFICIENCY – GENERAL PURPOSE MOTORS
NEMA "T" – TEFC – THREE PHASE

Rated Output HP	kW	Full Load Speed (RPM)	NEMA Frame	Full Load Current In (A) At 230V	At 460V	At 575V	Locked Rotor Current (kVA Code)	(Il/In)	Full Load Torque Tn (lb.ft)	Locked Rotor Torque (Tl/Tn)	Break Down Torque (Tb/Tn)	Eff. 50	Eff. 75	Eff. 100	PF 50	PF 75	PF 100	Service Factor SF	Moment of Inertia WK2(lb.ft2)	Allow. Hot	Allow. Cold	Approx. Weight (lb)	Sound dB(A)
1	0.75	3495	143T	2.85	1.43	1.14	M	9.0	1.48	3.0	4.0	72.0	77.0	78.5	0.69	0.79	0.84	1.25	0.03726	23	51	37	68
		1765	143T	2.98	1.49	1.19	M	8.6	2.94	2.9	4.0	77.0	80.0	82.5	0.55	0.69	0.77	1.25	0.09302	16	35	40	51
		1155	145T	3.40	1.70	1.36	L	6.8	4.49	2.3	3.0	75.5	80.0	80.0	0.48	0.60	0.69	1.25	0.13289	22	48	48	49
		875	182T	4.63	2.31	1.85	M	6.0	5.92	3.0	3.5	68.0	72.0	74.0	0.35	0.45	0.55	1.25	0.39914	40	88	76	50
1.5	1.1	3500	143T	4.13	2.06	1.65	M	9.2	2.22	3.0	4.0	75.5	81.5	82.5	0.64	0.74	0.81	1.25	0.04295	17	37	39	68
		1760	145T	4.10	2.05	1.64	L	8.5	4.42	2.7	3.7	80.0	84.0	84.0	0.60	0.72	0.80	1.25	0.11960	13	29	45	51
		1165	182T	4.75	2.38	1.90	M	8.0	6.67	3.2	4.0	81.5	84.0	85.5	0.47	0.58	0.68	1.25	0.48789	36	79	87	52
		860	184T	5.43	2.71	2.17	J	5.5	9.04	2.5	2.6	74.0	75.5	77.0	0.47	0.58	0.66	1.25	0.44375	32	70	83	50
2	1.5	3480	145T	5.20	2.60	2.08	L	9.4	2.98	2.8	4.0	80.0	82.5	84.0	0.70	0.81	0.86	1.25	0.04888	12	26	43	68
		1750	145T	5.40	2.70	2.16	K	7.7	5.92	2.4	3.0	81.5	84.0	84.0	0.63	0.74	0.83	1.25	0.13289	11	24	48	51
		1165	184T	6.40	3.20	2.56	L	7.5	8.89	3.0	3.0	82.5	85.5	86.5	0.48	0.60	0.68	1.25	0.62101	35	77	102	52
		870	213T	6.93	3.46	2.77	L	6.6	11.9	2.4	2.9	78.5	81.5	82.5	0.47	0.53	0.66	1.25	1.19101	43	95	119	52
3	2.2	3450	145T	7.43	3.71	2.97	K	8.6	4.51	2.3	2.4	81.0	84.5	85.5	0.70	0.83	0.87	1.15	0.05458	6	13	50	68
		3500	182T	7.43	3.71	2.97	K	8.2	4.44	2.5	4.0	80.0	84.0	85.5	0.74	0.83	0.87	1.25	0.17252	23	51	83	69
		1765	182T	7.80	3.90	3.12	K	7.9	8.81	2.3	3.2	85.5	87.5	87.5	0.65	0.75	0.81	1.25	0.31774	31	68	84	56
		1170	213T	8.53	4.26	3.41	J	7.0	13.3	2.2	2.5	86.5	87.5	87.5	0.53	0.65	0.74	1.25	1.01185	59	130	126	55
		865	215T	8.65	4.33	3.46	K	7.1	18.0	2.0	2.1	82.5	84.0	84.0	0.59	0.70	0.76	1.25	2.02441	30	66	164	52
5	3.7	3480	184T	11.8	5.90	4.72	J	7.7	7.44	2.3	3.3	84.0	86.5	87.5	0.80	0.86	0.90	1.25	0.19981	23	51	94	69
		1750	184T	13.0	6.48	5.18	J	7.1	14.8	2.1	3.0	85.5	87.5	87.5	0.66	0.77	0.82	1.25	0.38134	21	46	94	56
		1765	213T	36.0	18.0	14.4	H	6.0	14.7	1.9	2.4	85.5	87.0	87.5	0.60	0.72	0.77	1.25	0.82794	15	33	154	58
		1160	215T	13.6	6.80	5.44	H	6.1	22.3	1.8	2.1	85.5	87.5	87.5	0.65	0.75	0.78	1.25	1.47174	49	108	158	55
		875	254T	16.0	7.99	6.39	H	5.3	29.6	2.0	2.8	82.1	85.0	85.5	0.47	0.60	0.68	1.25	2.89720	37	81	237	54
7.5	5.5	3460	184T	17.5	8.76	7.01	H	7.0	11.2	2.2	2.3	85.5	87.5	88.5	0.81	0.87	0.89	1.15	0.23611	15	33	102	69
		3515	213T	17.3	8.66	6.93	H	7.1	11.1	2.2	3.5	85.5	87.5	88.5	0.80	0.87	0.90	1.25	0.48789	26	57	133	72
		1765	213T	19.1	9.53	7.62	H	6.4	22.0	2.0	2.6	87.5	89.5	89.5	0.64	0.75	0.81	1.25	1.01185	21	46	131	58
		1170	254T	19.1	9.53	7.62	H	6.8	33.2	2.3	3.1	88.5	89.5	89.5	0.62	0.74	0.81	1.25	2.55643	29	64	225	59
		875	256T	22.5	11.2	8.99	G	5.2	44.4	1.9	2.7	83.4	85.5	86.5	0.51	0.63	0.71	1.25	3.40858	41	90	265	54
10	7.5	3500	215T	23.4	11.7	9.35	H	6.9	14.8	2.2	2.8	88.5	89.5	89.5	0.81	0.88	0.90	1.15	0.57664	20	44	153	72
		1760	215T	25.5	12.8	10.2	H	6.5	29.4	2.0	2.6	88.5	90.2	90.2	0.67	0.78	0.82	1.25	1.37990	17	37	159	58
		1765	254T	25.5	12.8	10.2	G	6.1	29.4	2.5	2.5	88.5	90.2	90.2	0.67	0.77	0.82	1.25	1.90528	39	86	214	69
		1175	256T	26.8	13.4	10.7	J	6.9	44.1	2.3	2.9	88.5	89.5	89.5	0.58	0.72	0.79	1.25	2.89720	22	48	246	59
		885	284T	27.3	13.6	10.9	H	6.0	58.5	2.5	2.4	86.5	88.5	88.5	0.60	0.72	0.78	1.25	7.19897	53	117	380	54
15	11	3500	215T	34.5	17.3	13.8	F	6.1	22.2	2.0	2.2	89.0	90.2	91.0	0.80	0.87	0.89	1.15	0.66539	10	22	161	72
		3520	254T	34.0	17.0	13.6	G	6.3	22.1	2.0	2.7	88.5	90.2	90.2	0.83	0.89	0.90	1.25	1.25650	28	62	255	75
		1760	254T	35.8	17.9	14.3	G	6.4	44.2	2.5	2.5	89.5	91.0	91.0	0.70	0.80	0.85	1.25	2.38178	27	59	263	69
		1180	284T	34.5	17.3	13.8	G	6.7	65.9	2.3	2.5	89.5	90.2	91.0	0.79	0.85	0.88	1.25	7.19921	21	46	381	59
		880	286T	38.0	19.0	15.2	G	6.1	88.3	2.4	2.3	86.5	88.5	88.5	0.68	0.78	0.82	1.25	8.18092	37	81	414	54
20	15	3520	256T	46.5	23.3	18.6	G	6.2	29.4	2.0	2.5	89.5	90.2	90.2	0.86	0.90	0.90	1.25	1.53581	21	46	291	75
		1755	256T	48.8	24.4	19.5	G	5.9	59.0	2.4	2.4	89.5	91.0	91.0	0.72	0.81	0.85	1.25	2.85804	18	40	297	69
		1175	286T	47.0	23.5	18.8	G	6.3	88.2	2.3	2.5	90.2	91.0	91.0	0.80	0.86	0.88	1.25	8.18092	31	68	414	59
		880	326T	56.0	28.0	22.4	G	5.3	118	2.2	2.2	87.5	89.5	89.5	0.56	0.68	0.75	1.25	9.79052	47	103	498	56
		880	324T	56.0	28.0	22.4	G	5.3	118	2.2	2.2	87.5	89.5	89.5	0.56	0.68	0.75	1.25	9.79052	47	103	488	56
25	18.5	3530	256T	56.8	28.4	22.7	G	6.2	36.7	2.0	2.2	90.2	91.0	91.0	0.83	0.88	0.90	1.15	1.53581	18	40	287	75
		3525	284TS	58.0	29.0	23.2	G	6.2	36.7	2.0	2.5	90.2	91.0	91.0	0.84	0.87	0.88	1.25	2.28947	23	51	354	75
		1760	284T	59.3	29.6	23.7	G	6.1	73.6	2.2	2.5	91.7	92.4	92.4	0.72	0.82	0.85	1.25	5.10836	51	112	411	68
		1760	284TS	59.3	29.6	23.7	G	6.1	73.6	2.2	2.5	91.7	92.4	92.4	0.72	0.82	0.85	1.25	5.10836	51	112	411	68
		1175	326T	59.5	29.8	23.8	F	5.9	110	2.2	2.4	89.5	91.7	91.7	0.72	0.81	0.85	1.25	10.2162	56	123	525	62
		1175	324T	59.5	29.8	23.8	F	5.9	110	2.2	2.4	89.5	91.7	91.7	0.72	0.81	0.85	1.25	10.2162	56	123	514	62
		880	326T	71.0	35.5	28.4	G	5.1	147	2.4	2.4	87.5	88.5	88.5	0.53	0.65	0.73	1.25	11.9189	52	114	569	56
30	22	3520	286TS	67.5	33.8	27.0	G	6.4	44.2	1.9	2.3	90.2	91.0	91.0	0.84	0.88	0.90	1.25	2.82838	19	42	400	75
		1755	286TS	68.8	34.4	27.5	G	6.3	88.6	2.4	2.6	92.4	93.0	92.4	0.75	0.83	0.87	1.25	5.32122	22	48	425	68
		1755	286T	68.8	34.4	27.5	G	6.3	88.6	2.4	2.6	92.4	93.0	92.4	0.75	0.83	0.87	1.25	5.32122	22	48	428	68
		1175	326T	70.8	35.4	28.3	G	6.1	132	2.3	2.5	90.2	91.7	91.7	0.70	0.80	0.85	1.25	11.9189	35	77	569	62
		885	364T	76.8	38.4	30.7	G	5.7	176	2.2	2.2	89.5	91.0	91.0	0.66	0.75	0.79	1.25	23.4554	48	106	797	60
40	30	3550	324T	92.3	46.1	36.9	G	6.4	58.4	2.3	2.4	91.0	91.7	91.7	0.84	0.88	0.89	1.25	4.89550	36	79	529	81
		3530	286TS	93.3	46.6	37.3	G	5.8	58.7	2.0	2.8	91.0	91.7	91.7	0.80	0.86	0.88	1.25	2.82838	14	31	408	75
		1770	324TS	95.3	47.6	38.1	G	6.0	117	2.3	2.3	91.7	93.0	93.0	0.76	0.83	0.85	1.25	7.85344	28	62	483	71
		1770	326T	95.3	47.6	38.1	G	6.0	117	2.3	2.3	91.7	93.0	93.0	0.76	0.83	0.85	1.25	7.85344	28	62	542	71
		1770	324T	95.3	47.6	38.1	G	6.0	117	2.3	2.3	91.7	93.0	93.0	0.76	0.83	0.85	1.25	7.85344	28	62	530	71
		1175	364T	94.3	47.1	37.7	G	6.3	176	2.3	2.3	92.4	93.0	93.0	0.76	0.83	0.86	1.25	23.4554	35	77	811	65
		885	365T	105	52.4	41.9	G	5.6	234	2.2	2.2	89.5	91.0	91.0	0.66	0.75	0.79	1.25	29.0401	42	92	881	60
		885	404/5T	105	52.4	41.9	G	5.6	234	2.2	2.2	89.5	91.0	91.0	0.66	0.75	0.79	1.25	29.0401	42	92	953	60
50	37	3555	326TS	113	56.5	45.2	G	6.5	72.9	2.3	2.3	91.0	92.4	92.4	0.83	0.88	0.89	1.25	5.32122	33	73	566	81
		1770	326TS	116	57.8	46.2	G	6.1	146	2.3	2.3	92.4	93.6	93.6	0.77	0.83	0.86	1.25	9.16263	25	55	581	71
		1770	326T	116	57.8	46.2	G	6.1	146	2.3	2.3	92.4	93.6	93.6	0.77	0.83	0.86	1.25	9.16263	25	55	591	71
		1180	365T	116	58.1	46.5	G	6.3	220	2.5	2.7	92.4	93.0	93.0	0.74	0.82	0.86	1.25	29.0401	39	86	898	65
		885	404T	130	64.9	51.9	G	5.6	293	2.2	2.1	90.2	91.7	91.7	0.69	0.75	0.78	1.25	34.6247	27	59	998	60
60	45	3530	326TS	138	69.0	55.2	G	6.2	88.1	2.0	2.4	91.0	92.4	93.0	0.83	0.87	0.88	1.15	5.32122	14	31	549	81
		3555	364TS	138	69.0	55.2	G	6.3	87.4	2.0	2.5	91.0	92.4	93.0	0.80	0.87	0.88	1.25	8.51337	61	134	809	85
		1770	326T	142	71.0	56.8	G	6.5	176	2.1	2.3	91.7	93.6	93.6	0.75	0.83	0.85	1.25	9.16239	20	44	595	71
		1775	364TS	134	67.0	53.6	G	6.4	175	2.0	2.3	93.0	93.6	93.6	0.80	0.87	0.90	1.25	17.4382	23	51	853	75
		1775	364T	134	67.0	53.6	G	6.4	175	2.0	2.3	93.0	93.6	93.6	0.80	0.87	0.90	1.25	17.4382	23	51	812	75
		1180	404T	140	70.1	56.1	G	6.3	263	2.5	2.7	93.0	93.6	93.6	0.74	0.83	0.86	1.25	34.6247	32	70	1047	65
		885	405T	154	77.0	61.6	G	5.8	351	1.7	2.1	91.0	91.7	91.7	0.70	0.76	0.80	1.25	36.8586	13	29	1059	60

The values shown are subject to change without prior notice. To obtain guaranteed values, please contact our nearest sales office.