

REF.	5/8" STACK			3/4" STACK			1-1/16" STACK			1-1/4" STACK			2" STACK			Reference Gear Reducer Models		
	DUTY CYCLE			DUTY CYCLE			DUTY CYCLE			DUTY CYCLE			DUTY CYCLE					
	RPM	100%	50%	25%	100%	50%	25%	100%	50%	25%	100%	50%	25%	100%	50%			
1	135	175	190	195	200	200	200	200	200	200	200	200	200	200	200	200	400/406 - Open Frame 5/8" Stack Max - 50 inlb Max. 440 - Low Profile - 80 inlb Max. 302 - Star - 150 inlb Max. 1600 - 150 inlb Max. 6000 - 75 inlb Max. 7000 - 75 inlb Max. 7000x - 50 inlb Max. 8000 - 50 inlb Max. 9000 - 200 inlb Max.	
2	65	90	95	98	136	162	140	200	200	163	200	200	200	200	200	200		
4	35	44	48	49	68	81	70	113	160	82	120	165	105	200	200			
8	17	22	24	25	34	41	35	56	82	47	70	94	53	115	165			
10	14	18	19	19	27	33	28	45	65	38	56	75	42	94	134			
12	12	15	16	16	23	27	23	37	55	31	46	63	35	78	110			
15	9	12	12.5	13	18	22	19	30	44	25	37	50	28	63	90			
20	7	9	9.5	10	14	16	14	22.5	33	18	28	37	21	47	67			
25	5.5	7	7.5	8	11	13	11	18	26	15	22	30	17	37	53			
30	5	6	6.3	6.5	9	11	9.4	15	22	14	21	29	14	31	44			
40	3.5	4.5	4.7	5	6.8	8	7	11	16.4	11	16	21	11	23	34			
50	3	3.5	3.7	4	5.4	6.5	5.6	9	13	8.6	13	17	8.5	19	27			
75	1.5	2	2.2	2.4	3.4	4	3.5	5.6	8.2	5.8	8.5	11.5	5.2	12	17			
100	1.4	1.8	1.9	2	2.7	3.2	2.8	4.5	6.5	4.3	6.4	8.6	4.2	9.4	13			
150	0.9	1.2	1.3	1.3	1.8	2.1	2.2	3.6	5.3	2.9	4.3	5.8	2.8	6.2	8.9			
175	0.8	1	1.1	1.1	1.5	1.8	1.6	2.6	3.8	2.4	3.7	4.9	2.4	5.4	7.6			
200	0.7	0.9	0.9	1	1.3	1.6	1.4	2.2	3.2	2.1	3.2	4	2.1	4.7	6.7			
400	0.5	0.6	0.6	0.7	0.9	1.1	1	1.6	2	1.1	1.6	2	1.5	3	4.8			

The above data is based on in-lb running torque at 60 Hz. For 50 Hz applications multiply speed by 0.83.

Torque values apply to motors operating in normal room ambient temperature (25 degree C)

Mechanical brakes reduce above rated torques by 20%.

$$\text{DUTY CYCLE} = \frac{\text{Maximum "On Time"}}{\text{Max "On Time" + Min "Off Time"}}$$

Duty Cycle	Maximum Allowable Uninterrupted "On Time"
25%	1 Minute
50%	3 Minutes
100%	Over 10 minutes