

Gearhead Servo Motor Characteristics Table

Applied Motor APM- □□□□□	Capacity (w)	Rated speed (rpm)	Reduction ratio	Back lash (arcmin)	Max. input speed (rpm)	Average input speed (rpm)	Rated output torque (N · m)	Max. instantaneous torque (N · m)	Max. radial force (N)	Max. axial force (N)	Gearhead weight (kg)
SC04A SC03D	400 300	3,000 2,000	1/5	10	6,000	3,000	6.37	19.11	1,300	1,500	2.3
			1/7				8.92	26.76			
			1/10				12.74	38.22			
			1/16				20.38	61.14			
	1/20	25.48	76.44	3.1							
	1/25	31.85	82.81								
	1/40	50.96	152.90								
	1/70	89.18	205.10								
SC06A SC05D	600 450	3,000 2,000	1/5	10	6,000	3,000	9.55	28.65	1,300	1,500	2.3
			1/7				13.37	40.11			
			1/10				19.10	57.30			
			1/16				30.56	91.68			
	1/20	38.20	114.60	3.1							
	1/25	47.75	143.30								
	1/40	76.40	229.20								
	1/70	122.40	229.20								
SC08A SC06D	800 550	3,000 2,000	1/5	10	6,000	3,000	12.75	38.25	1,300	1,500	2.3
			1/7				17.85	53.55			
			1/10				25.50	76.50			
			1/16				40.80	122.40			
	1/20	51.00	153.00	3.1							
	1/25	63.75	191.30								
	1/40	102.00	234.60								
	1/70	171.60	234.60								
SC10A SC07D	1,000 650	3,000 2,000	1/5	10	6,000	3,000	15.95	47.85	1,300	1,500	2.3
			1/7				22.33	66.99			
			1/10				31.90	79.75			
			1/16				51.04	153.10			
	1/20	63.80	191.40	3.1							
	1/25	79.75	239.30								
	1/40	122.40	239.30								
	1/70	205.10	239.30								
SE09A SE06D SE05G SE03M	900 600 450 300	3,000 2,000 1,500 1,000	1/5	8	6,000	3,000	14.30	42.90	2,500	2,000	5.8
			1/7				20.02	60.06			
			1/10				28.60	85.80			
			1/16				45.76	137.28			
	1/20	57.20	171.60	7.9							
	1/25	71.50	214.50								
	1/40	114.40	343.20								
	1/70	200.20	440.40								
SE15A SE11D SE09G SE06M	1,500 1,100 850 600	3,000 2,000 1,500 1,000	1/5	8	6,000	3,000	28.60	85.80	2,500	2,000	5.8
			1/7				40.04	120.12			
			1/10				57.20	171.60			
			1/16				91.52	274.56			
	1/20	114.40	343.20	7.9							
	1/25	143.00	429.00								
	1/40	228.80	480.50								
	1/70	440.40	480.50								
SE22A SE16D SE13G SE09M	2,200 1,600 1,300 900	3,000 2,000 1,500 1,000	1/5	8	6,000	3,000	42.95	128.85	2,500	2,000	5.8
			1/7				60.13	180.39			
			1/10				85.90	257.7			
			1/16				137.44	412.32			
	1/20	171.80	498.22	7.9							
	1/25	214.75	493.90								
	1/40	343.20	493.90								
	1/70	493.90	493.90								
SE30A SE22D SE17G SE12M	3,000 2,200 1,700 1,200	3,000 2,000 1,500 1,000	1/5	8	6,000	3,000	57.30	171.90	2,500	2,000	5.8
			1/7				80.22	240.66			
			1/10				114.60	343.80			
			1/16				183.36	495.07			
			1/20				229.20	481.32			
			1/25				286.50	481.32			



Note 1) The Characteristics on above table is measured at 20C
 3) Operating Temp. is -10 ~ +90C
 5) Free direction installation

2) Efficiency is higher than 94%
 4) Permanent lubricant is used
 6) Operating point is in the middle of output axis.