

		Graphite brush			Ball bearings				
Motor Model		0606	0906	1206	1806	2406	3606	4806	
Nominal voltage	V	6	9	12	18	24	36	48	
No load speed	±12% rpm	5700	6000	5800	5950	6020	6000	6400	
No load current	Max 150% mA	55	36	28	18	15	11	9	
Recommend limit for continuous operating	Max cont. torque	mN.m	11.4	15.1	15.1	15.3	14.5	14.4	13.6
	Rated speed	rpm	4746	4714	4540	4675	4774	4757	5247
	Rated current	mA	1200	1100	800	550	400	265	200
	Rated power	W	5.7	7.5	7.2	7.5	7.3	7.2	7.5
Starting current	mA	6897	5000	3582	2500	1875	1237	1069	
Stall torque	mN.m	68.2	70.6	69.7	71.2	70.2	69.6	75.3	
Maximum power output	W	10.2	11.1	10.6	11.1	11.1	10.9	12.6	
Maximum efficiency	%	83	84	83	84	83	82	82	
Terminal resistance	±12% Ω	0.87	1.80	3.35	7.2	12.8	29.1	44.9	
Inductance	(1KHZ) mH	0.11				1.54			
Mechanical time constant	ms	5.3	5.4	5.3	5.3	5.5	5.5	6.4	
Moment of inertia	gcm ²	6.1	6.1	6.1	6.1	6.1	6.1	6.1	
Torque constant	mN.m/A	10.0	14.2	19.6	28.7	37.8	56.8	71.0	
Speed constant	rpm/V	958	672	487	333	253	168	134	
Speed/ torque gradient	rpm/mN.m	83.6	85.0	83.2	83.6	85.7	86.2	85.0	
Weight	g	75	75	75	75	75	75	75	

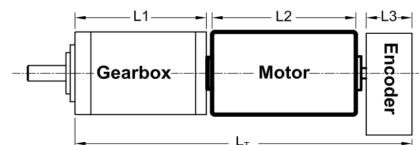
Additional Information

Motor thermal resistance:	***K/W	Motor thermal time constant:	***S
Axial (dynamic):	2.5 N	Radial (5mm from head face):	16.0 N
Press-fit force (static):	16(90) N	L:(customizable) ≤ **mm:	No(standard)
Maximum radial runout (5mm from the thread surface):	≤0.02 mm	Axial play:	preset
Maximum winding temperature:	125°C	Ambient temperature range:	-40 to 85 °C

Total Length (Gearbox and Motor): $L_T = L_1 + L_2 + L_3$

L1:24GP	L1:26GP		L2:CL22	L3:EN16-S
24.0	25.7		35.0	10.7
34.3	36.0			L3:EN16-T
42.8	44.5			12.0
51.3	53.0			

AM-CL2235MAE Combination scheme



Recommended Gearbox:
Planetary Gearbox:
AM-24GP
AM-26GP

Recommended Encoder:
Encoder S: AM-EN1611S***
3 Channels
Encoder T: AM-EN1612T***
3 Channels

For more gearbox and encoder specs, see Assun Motor website.

Remarks: Client can choose gearbox and encoder to match with this motor. Some combinations are listed here for reference.

Motor data tested at 25°C. Motor operation exceeding continuous limits will reduce life or result in damage. At elevated ambient temperatures, load current must be reduced.