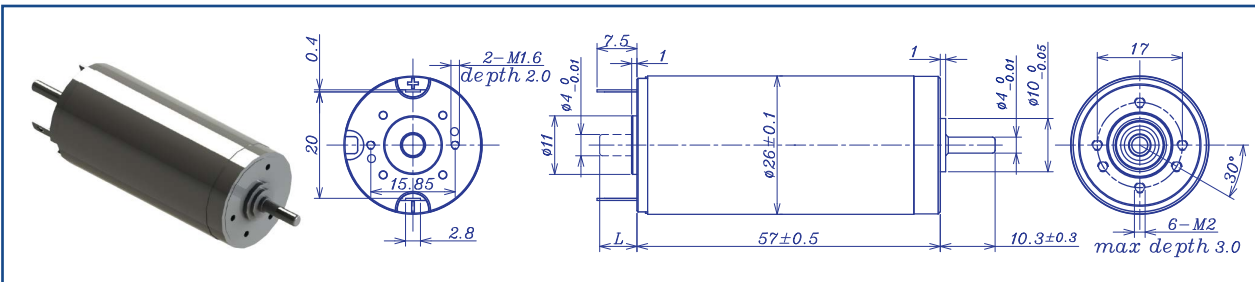


AM-CL2657MAE Series

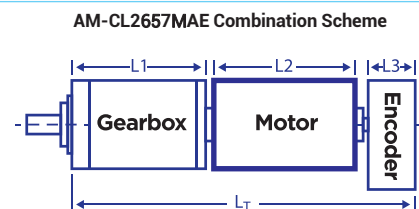


Motor Model	Precious metal brush				Ball bearings			
		0605	0905	1206	1805	2405	3605	
Nominal voltage	V	6	9	12	18	24	36	
No load speed	±12%	rpm	5200	5400	5540	5400	5288	
No load current	Max 150%	mA	83	57	42	28	13	
Recommend limit for continuous operating	Max cont. torque	mN.m	23.3	34.0	40.4	42.3	41.4	
	Rated speed	rpm	4850	4884	4915	4715	4751	
	Rated current	mA	2200	2200	2000	1360	1000	
	Rated power	W	11.8	17.4	20.8	21.0	20.6	
Starting current		mA	31579	22500	17391	11111	8163	
Stall torque		mN.m	346.1	356.3	358.0	351.9	344.7	
Maximum power output		W	47.1	50.4	51.9	50.0	48.7	
Maximum efficiency		%	90	90	90	90	90	
Terminal resistance	±12%	Ω	0.19	0.4	0.69	1.62	2.94	
Inductance	(1KHZ)	mH	0.041	Null	Null	Null	1.4	
Mechanical time constant		ms	3.2	3.3	3.3	3.3	3.3	
Moment of inertia		gcm ²	20.6	20.6	20.6	20.6	20.6	
Torque constant		mN.m/A	11.0	15.9	20.6	31.8	42.3	
Speed constant		rpm/V	869	602	463	301	226	
Speed/torque gradient		rpm/mN.m	15.0	15.2	15.5	15.3	15.4	
Weight		g	176	176	176	176	176	

ADDITIONAL INFORMATION

Motor thermal resistance:	11.2K/W	Motor thermal time constant:	1172 S
Axial (dynamic):	7.3 N	Radial (5mm from mounting face):	28.0 N
Press-fit force (static):	60(120)N	Max allowable screw depth into flange:	3.0 mm
Maximum radial play (5mm from mounting face):	≤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			
L1:26GP	L1: 28GP	L2:26GP	L3: EN22S
25.7	26.1	42	10.7
36	33.3		L3: EN24T
44.5	40.5		12
53	47.7		



Recommended Gearbox:
Planetary Gearbox:
AM-26GP
AM-28GP

Recommended Encoder:
Encoder S: AM-EN2211S***
2~ 3 Channels
Encoder T: AM-EN2412T***
2~ 3 Channels

For more combination specs, visit Assun Motor website.

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.

Download datasheet: <https://assunmotor.com/documents-download>

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