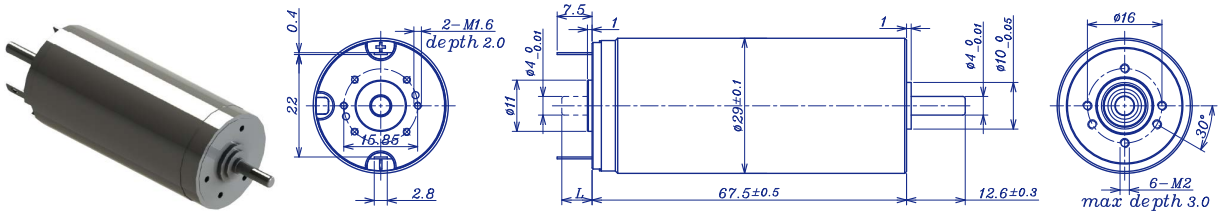
AM-CL2968MAE Series



Motor Model			Precious metal brush 1206	1806	Ball bearings 2406	3606	4806	6006
Nominal voltage		V	12	18	24	36	48	60
No load speed	±12%	rpm	6025	5875	6026	6026	6026	6026
No load current	Max 150%	mA	100	70	50	40	30	25
Recommend limit for continuous operating	Max cont. torque	mN.m	43	43	45	44	44	44
	Rated speed	rpm	5680	5540	5670	5675	5685	5680
	Rated current	mA	2400	1600	1250	820	620	500
	Rated power	W	25.6	24.9	26.7	26.2	26.2	26.2
Starting current		mA	40000	26000	20000	14000	10000	8000
Stall torque		mN.m	751	754	756	763	779	776
Maximum power output		W	118	116	119	120	122	122
Maximum efficiency		%	89	89	89	89	89	89
Terminal resistance	±12%	Ω	0.35	0.7	1.25	2.7	4.7	7.4
Inductance	(1KHZ)	mH	Null	Null	Null	Null	Null	Null
Mechanical time constant		ms	3.5	3	3.2	3	3	3
Moment of inertia		gcm²	35.3	35.3	35.3	35.3	35.3	35.3
Torque constant		mN.m/A	18.7	28.8	37.3	56.2	74.9	93.6
Speed constant		rpm/V	502	326	251	167	126	101
Speed/torque gradient		rpm/mN.m	8	7.8	8	7.9	7.74	7.8
Weight		g	267	267	267	267	267	267

ADDITIONAL INFORMATION

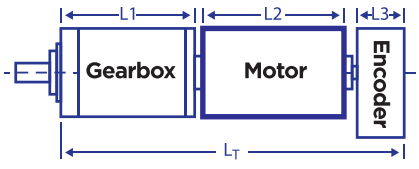
Motor thermal resistance:	*** K/W	Motor thermal time constant:	*** S
Axial (dynamic):	7.3 N	Radial (5mm from mounting face):	28.0 N
Press-fit force (static):	60(120)N	Max allowable screw depth into flange:	3.0 mm
Maximum radial play (5mm from mounting face):	≤0.02 mm	Axial play:	Preset
Maximum winding temperature:	125°C	Ambient temperature range:	-40 to 85°C

Total Length (Gearbox and Motor): L_T=L1+L2+L3

L1:26GP	L1: 28GP	L1:32GP	L2:CL29	L3: EN22S
25.7	26.1	27.4	67.5	10.7
36	33.3	35.9		L3: EN24T
44.5	40.5	44.4		12
53	47.7	52.9		

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

AM-CL2968GAE Combination Scheme



Recommended Gearbox:
Planetary Gearbox:
AM-26GP
AM-28GP
AM-32GP

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

For more combination specs, visit Assun Motor werbsite.

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