

PM DC Planetary Gear Motor (Ring Gear Material: Metal and Powder Metal)

42JXE100K/42ZY68P

42mm OD Planetary Gearbox,
Permissible Load Range: 1 N.m~10N.m

Ring gear can be selected within the two materials: Powder metal (Type:42JXF100K) , Metal (Type:42JXE100K)



● Dimensions

Type	Rated voltage VDC	No-load speed r/min	No-load current mA	Rated speed r/min	Rated torque mN.m	Output power W	Rated current A	Stall torque mN.m	Stall current A
42ZY68P-2440	24	4000	0.45	3000	85	27	2.1	250	5.0

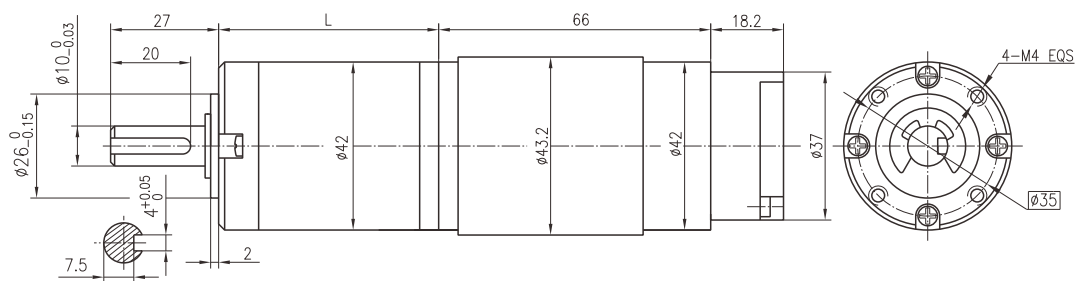
P – Shielding case, OD 42.9mm.

● Motor Technical Data

42ZY68P-2440 DC Motor

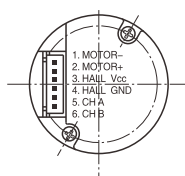
Reduction ratio	3.7	5.2	14	19	27	51	71	100	115	139	181	219	254
Number of gear trains	1	1	2	2	2	3	3	3	3	3	4	4	4
Length(L) mm	31.5	31.5	42.1	42.1	42.1	52.5	52.5	52.5	52.5	52.5	62.9	62.9	62.9
No-load speed r/min	1078	772	286	211	148	78	56	40	35	29	22	18	16
Rated speed r/min	809	579	214	158	111	59	42	30	26	22	17	14	11
Rated torque N.m	0.31	0.43	1.0	1.4	2.0	3.4	4.8	6.7	7.7	9.3	10	10	10
Max. permissible load in a short time N.m	3	3	12	12	12	25	25	25	25	25	30	30	30

● Gear Motor Technical Data



● Magnetic Encoder

Model: CBM36 output characteristics: 2 channel, two-way control, DC motor rotation a week out of 4PPR、7PPR
Encoder connection: flat cable, length 350mm.



1. MOTOR-
2. MOTOR+
3. HALL SENSOR Vcc
4. HALL SENSOR GND
5. HALL SENSOR A Vout
6. HALL SENSOR B Vout