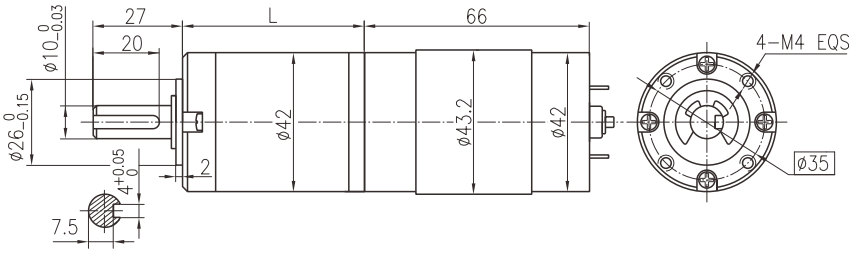
42JXE100K/42ZY68P(1)

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

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

Dimensions



Motor Technical Data

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-2430	24	3000	0.35	2250	66	16	1.2	200	3.1
42ZY68P-2440	24	4000	0.45	3000	85	27	2.1	250	5.0
42ZY68P-2450	24	5000	0.50	3750	115	45	3.1	305	8.0

Gear Motor Technical Data

42ZY68P-2430 DC Motor

Reduction ratio		3.7	5.2	14	19	27	51	71	100	115	139	181	219	254	306	354
Number of gear trains		1	1	2	2	2	3	3	3	3	3	4	4	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	62.9	62.9
No-load speed	r/min	809	579	214	158	111	59	42	30	26	22	17	14	11	9.8	8.5
Rated speed	r/min	606	434	161	118	83	44	32	23	20	16	12	10	8.9	7.4	6.4
Rated torque	N.m	0.17	0.24	0.59	0.80	1.1	1.9	2.7	3.8	4.4	5.3	6.1	7.4	8.6	10	10
Max. permissible load in a short time	N.m	3	3	12	12	12	25	25	25	25	25	30	30	30	30	30

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

42ZY68P-2450 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	1348	965	357	263	185	98	70	50	43	36	28	23	20
Rated speed	r/min	1011	724	268	197	139	74	53	38	33	27	21	17	15
Rated torque	N.m	0.38	0.54	1.3	1.8	2.5	4.3	6.0	8.4	9.7	10	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