

经济型无刷行星减速电机 (内齿圈材质:粉末金属)

Economical BLDC Planetary Gear Motor (Ring Gear Material: Powder Metal)

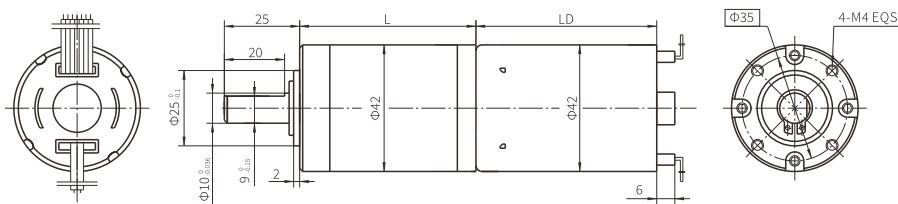
42JXF150K/42ZWNP60&66

Φ42行星减速器, 允许转矩范围:2N.m~15N.m
42mm OD Planetary Gearbox,
Permissible Load Range: 2N.m~15N.m

无刷直流电动机, 3相8极, 外置驱动器 3 phase 8 poles brushless DC motor, with external driver

外形和安装尺寸

Dimensions



无刷电动机主要技术参数

Brushless Motor Technical Data

电机型号 Type	极数 Number of poles	相数 Number of phase	额定电压 Rated Voltage VDC	空载转速 No-load Speed r/min	额定转速 Rated Speed r/min	额定转矩 Rated Torque N.m	额定功率 Rated Power W	额定电流 Rated Current A	峰值扭矩 Peak Torque N.m	峰值电流 Peak Current A	电阻 Line to line resistance ohms	电感 Line to line inductance mH
42ZWNP60-2442	8	3	24	4200	3200	0.12	40	2.31	0.24	4.63	1.2	1.6
42ZWNP66-2459	8	3	24	5900	4000	0.15	63	3.65	0.3	7.29	0.75	0.8

无刷行星齿轮减速电机主要技术参数

Brushless Gear Motor Technical Data

配置42ZWNP60-2442无刷直流电机(42ZWNP60-2442 BLDC Motor) LD=60mm

减速比 Reduction ratio	3.71	5.18	14	19	27	51	71	100	139	190	265
减速级数 Number of gear trains	1	1	2	2	2	3	3	3	3	4	4
减速器长度(L) Length mm	31.5	31.5	41.8	41.8	41.8	52.5	52.5	52.5	52.5	62.9	62.9
空载速度 No-load speed r/min	1132	811	300	221	156	82	59	42	30	22	16
额定转速 Rated speed r/min	863	618	229	168	119	63	45	32	23	17	12
额定转矩 Rated torque N.m	0.4	0.6	1.4	1.8	2.6	4.4	6.2	8.7	12.1	14.9	15.0
最大瞬间允许负载 Max. permissible load in a short time N.m	3	3	5	5	5	10	10	15	20	20	20

配置42ZWNP66-2459无刷直流电机(42ZWNP66-2459 BLDC Motor) LD=66mm

减速比 Reduction ratio	3.71	5.18	14	19	27	51	71	100	139	190
减速级数 Number of gear trains	1	1	2	2	2	3	3	3	3	4
减速器长度(L) Length mm	31.5	31.5	41.8	41.8	41.8	52.5	52.5	52.5	52.5	62.9
空载速度 No-load speed r/min	1590	1139	421	311	219	116	83	59	42	31
额定转速 Rated speed r/min	1078	772	286	211	148	78	56	40	29	21
额定转矩 Rated torque N.m	0.5	0.7	1.7	2.3	3.3	5.6	7.8	11.0	15.0	15.0
最大瞬间允许负载 Max. permissible load in a short time N.m	3	3	5	5	5	10	10	15	20	20

接线方式

Wire Diagram

U	V	W	Vcc	Ha	Hb	Hc	GND
电机 Motor			霍尔 Hall				