

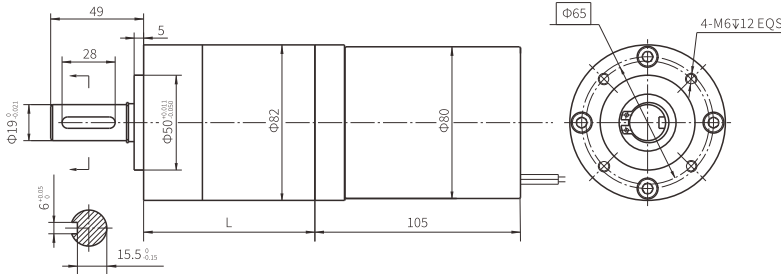
**无刷直流行星齿轮减速电机** (内齿圈材质:金属)  
**BLDC Planetary Gear Motor** (Ring Gear Material: Metal)

**80JX3000K/80BL105**

Φ80行星减速器, 允许转矩范围:2N.m~300N.m  
 80mm OD Planetary Gearbox,  
 Permissible Load Range: 2N.m~300N.m

■ 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
80BL105-2440	10	3	24	4000	3000	0.96	300	15.63	1.91	31.25	0.07	0.27
80BL105-2447	10	3	24	4700	3900	0.86	350	18.23	1.71	36.46	0.05	0.17

■ 无刷行星齿轮减速电机主要技术参数

Brushless Gear Motor Technical Data

配置80BL105-2440无刷直流电机(80BL105-2440 BLDC Motor)

减速比 Reduction ratio	5.6	6.75	18	25	38	46	61	77	93	116	140	169	211	308	462
减速级数 Number of gear trains	1	1	2	2	2	2	3	3	3	3	3	3	3	3	4
减速器长度(L) Length mm	62.5	62.5	78.5	78.5	78.5	78.5	97	97	97	97	97	97	97	97	119
空载速度 No-load speed r/min	714	593	222	160	105	87	66	52	43	34	29	24	19	13	9
额定转速 Rated speed r/min	536	444	167	120	79	65	49	39	32	26	21	18	14	10	6
额定转矩 Rated torque N.m	4.8	5.8	13.9	19.3	29.4	35.6	42.5	53.6	64.7	80.8	97.5	117.7	146.9	214.4	289.5
最大瞬间允许负载 Max. permissible load in a short time N.m	6	10	15	25	25	40	50	60	70	100	110	130	170	240	300

配置80BL105-2447无刷直流电机(80BL105-2447 BLDC Motor)

减速比 Reduction ratio	5.6	6.75	18	25	38	46	61	77	93	116	140	169	211	308	462
减速级数 Number of gear trains	1	1	2	2	2	2	3	3	3	3	3	3	3	3	4
减速器长度(L) Length mm	62.5	62.5	78.5	78.5	78.5	78.5	97	97	97	97	97	97	97	97	119
空载速度 No-load speed r/min	839	696	261	188	124	102	77	61	51	41	34	28	22	15	10
额定转速 Rated speed r/min	696	578	217	156	103	85	64	51	42	34	28	23	18	13	8
额定转矩 Rated torque N.m	4.3	5.2	12.5	17.4	26.4	31.9	38.1	48.1	58.1	72.5	87.5	105.6	131.8	192.4	259.8
最大瞬间允许负载 Max. permissible load in a short time N.m	6	10	15	25	25	40	50	60	70	100	110	130	170	240	300

■ 接线方式

Wire Diagram

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