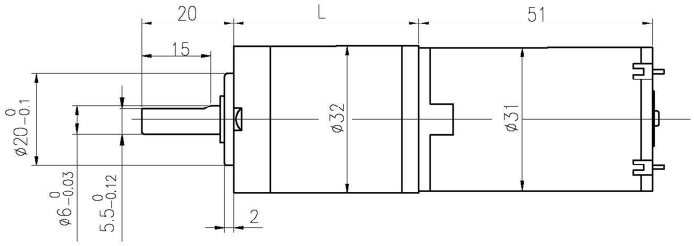
永磁直流行星齿轮电机 （内齿圈材质：金属）
PM DC Planetary Gear Motor (Ring Gear Material: Metal)

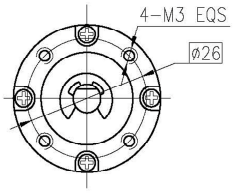
32JXE30K/31ZY51G

Φ32 行星减速器，允许转矩范围：0.3N.m~3.0N.m
32mm OD Planetary Gearbox,
Permissible Load Range: 0.3N.m~3.0N.m

常规产品出轴直径Φ6，也可以配置直径Φ8 的出轴。 Standard output shaft OD 6mm, OD 8mm optional.

● 外形和安装尺寸 Dimensions





● 电动机主要技术参数 Motor Technical Data

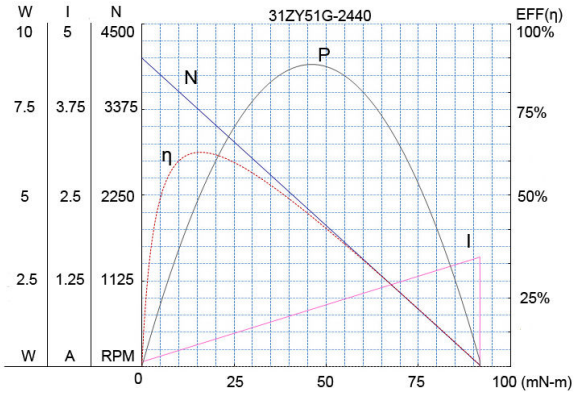
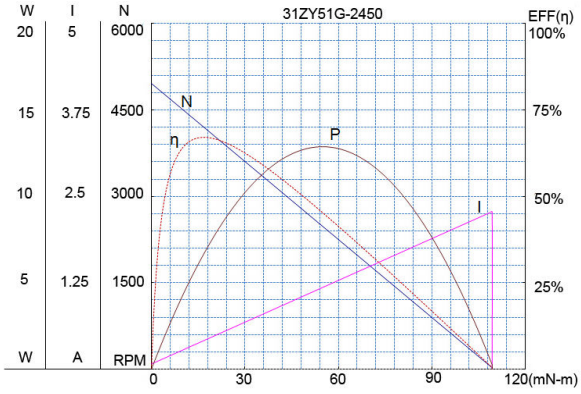
电机型号 TYPE	额定电压 Rated voltage VDC	空载转速 No-load speed r/min	空载电流 No-load current mA	额定转速 Rated speed r/min	额定转矩 Rated torque mN.m	输出功率 Output power W	额定电流 Rated current mA	堵转力矩 Stall torque mN.m	堵转电流 Stall current A
31ZY51G-2440	24	4000	70	3130	22	7.1	430	101.1	1.6
31ZY51G-2450	24	5000	75	3830	25	9.8	570	106.8	2.3

● 齿轮减速电机主要技术参数 Gear Motor Technical Data

配置 31ZY51G-2440 直流电机 (31ZY51G-2440 DC Motor)

减 速 比 Reduction ratio	3.7	5.2	14	19	27	51	71	100	139	181	219	306	354
减速级数 Number of gear trains	1	1	2	2	2	3	3	3	3	4	4	4	4
减速器长度(L) Length(L) mm	25.7	25.7	32.8	32.8	32.8	39.7	39.7	39.7	39.7	46.6	46.6	46.6	46.6
空载转速 No-load speed /min	1081	769	286	211	148	78	56	40	29	22	18	13	11
额定转速 Rated speed r/min	846	602	224	165	116	61	44	31	23	17	14	10	9
额定转矩 Rated torque N.m	0.073	0.103	0.249	0.339	0.481	0.818	1.139	1.604	2.229	2.613	3.161	4.417	5.110
最大瞬间允许负载 N.m Max. permissible load in a short time	1.0	1.0	3.5	3.5	3.5	7.5	7.5	7.5	7.5	9	9	9	9

配置 31ZY51G-2450 直流电机 (31ZY51G-2450 DC Motor)

减 速 比 Reduction ratio	3.7	5.2	14	19	27	51	71	100	139	181	219	254
减速级数 Number of gear trains	1	1	2	2	2	3	3	3	3	4	4	4
减速器长度(L) Length(L) mm	25.7	25.7	32.8	32.8	32.8	39.7	39.7	39.7	39.7	46.6	46.6	46.6
空载转速 No-load speed /min	1351	962	357	263	185	98	70	50	36	28	23	20
额定转速 Rated speed r/min	1035	737	274	202	142	75	54	38	28	21	17	15
额定转矩 Rated torque N.m	0.083	0.117	0.284	0.385	0.547	0.929	1.294	1.823	2.533	2.969	3.592	4.166
最大瞬间允许负载 N.m Max. permissible load in a short time	1.0	1.0	3.5	3.5	3.5	7.5	7.5	7.5	7.5	9	9	9

● 电动机特性图 Motor Characteristic Figure