

永磁直流行星齿轮电机 (内齿圈材质: 粉末金属)

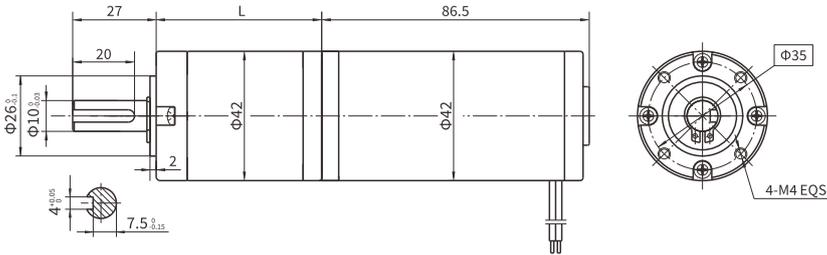
PM DC Planetary Gear Motor (Ring Gear Material: Powder Metal)

42JXF100K/42ZY85

Φ42行星减速器, 允许转矩范围: 1.0N.m~10N.m
42mm OD Planetary Gearbox,
Permissible Load Range: 1.0N.m~10N.m

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 A	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 A	堵转力矩 Stall Torque mN.m	堵转电流 Stall current A
42ZY85-2430	24	3000	0.20	2400	70	17.5	1.3	280	3.7
42ZY85-2436	24	3600	0.30	2850	80	24	1.8	290	4.7

齿轮减速电机主要技术参数

Gear Motor Technical Data

配置42ZY85-2430直流电机(42ZY85-2430 DC Motor)

减速比 Reduction ratio	3.71	5.18	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 mm	31.5	31.5	42.1	42.1	42.1	52.5	52.5	52.5	52.5	63	63	63
空载速度 No-load speed r/min	809	579	214	158	111	59	42	30	22	16	14	12
额定转速 Rated speed r/min	647	463	171	126	89	47	34	24	17	13	11	9.5
额定转矩 Rated torque N.m	0.23	0.33	0.79	1.08	1.5	2.6	3.6	5.1	7.1	8.4	10	11.7
最大瞬间允许负载 Max. permissible load in a short time N.m	5	5	10	10	10	15	15	15	15	30	30	30

配置42ZY85-2436直流电机(42ZY85-2436 DC Motor)

减速比 Reduction ratio	3.71	5.18	14	19	27	51	71	100	139	181	219
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	42.1	42.1	42.1	52.5	52.5	52.5	52.5	63	63
空载速度 No-load speed r/min	970	695	257	189	133	71	51	36	26	20	16.5
额定转速 Rated speed r/min	768	550	204	150	106	56	40	28.5	20.5	16	13
额定转矩 Rated torque N.m	0.27	0.37	0.9	1.2	1.7	3.0	4.1	5.8	8.1	9.5	11.5
最大瞬间允许负载 Max. permissible load in a short time N.m	5	5	10	10	10	15	15	15	15	30	30

电动机特性图

Motor Characteristic Figure

