

永磁直行星齿轮电机 (内齿圈材质: 粉末金属)

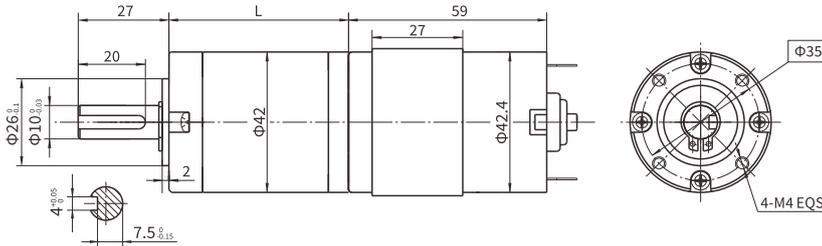
PM DC Planetary Gear Motor (Ring Gear Material: Powder Metal)

42JXF100K/42ZY59P

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
42ZY59P-1270	12	7000	1.2	5860	68.5	42	5.08	341	22.66
42ZY59P-2452	24	5200	0.3	4715	35.5	17.5	0.94	346	8.2

齿轮减速电机主要技术参数

Gear Motor Technical Data

配置42ZY59P-1270直流电机(42ZY59P-1270 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	1887	1351	500	368	259	137	99	70	50	38.5	32	27.5
额定转速 Rated speed r/min	1580	1132	419	309	217	115	83	59	42	32	26.5	23
额定转矩 Rated torque N.m	0.23	0.32	0.78	1.05	1.5	2.6	3.6	5.0	6.9	8.2	9.9	11.4
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42ZY59P-2452直流电机(42ZY59P-2452 DC Motor)

减速比 Reduction ratio	3.71	5.18	14	19	27	51	71	100	139	181	219	254	306
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 mm	31.5	31.5	42.1	42.1	42.1	52.5	52.5	52.5	52.5	63	63	63	63
空载速度 No-load speed r/min	1402	1004	371	274	193	102	73	52	37	29	24	20	17
额定转速 Rated speed r/min	1270	910	337	248	175	92	66	47	34	26	21.5	18.5	15.4
额定转矩 Rated torque N.m	0.12	0.16	0.40	0.54	0.77	1.3	1.8	2.6	3.6	4.2	5.1	5.9	7.1
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	30

电动机特性图

Motor Characteristic Figure

