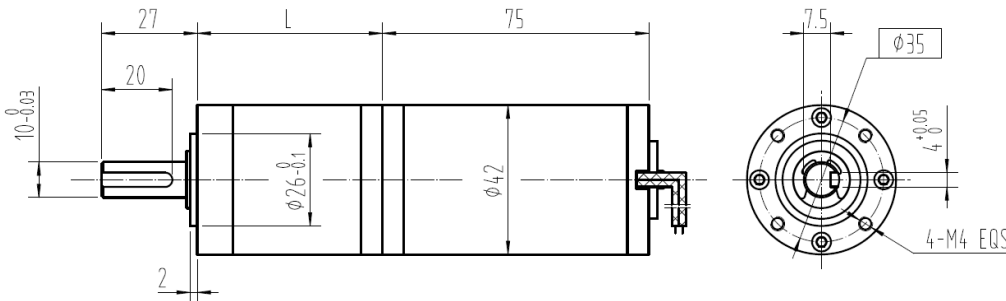


永磁直流行星齿轮电机 PM DC PLANETARY GEAR MOTOR

42JXE100K/42ZY75

Φ42 行星减速器, 允许转矩范围: 1N.m~10N.m
42mm Planetary Gearhead
Permissible Load Range: 1N.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 m.Nm	输出功率 Output power W	额定电流 Rated current A	堵转力矩 Stall torque m.Nm	堵转电流 Stall current A
42ZY75-2420	24	2000	0.10	1600	35	5.9	0.42	183	1.73
42ZY75-2430	24	3000	0.15	2500	44	11.5	0.75	259	3.55
42ZY75-2440	24	4000	0.20	3500	55	20	1.2	360	6.3

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

配置 42ZY75-2420 直流电机 (42ZY75-2420DC Motor)

减速比 Reduction ratio	3.71	5.18	14	19	27	51	71	100	139	181	218	253	305	354	426	495
减速级数 Number of gear trains	1	1	2	2	2	3	3	3	3	4	4	4	4	4	4	4
减速器长度(L) Length(L) mm	31.5	31.5	42.1	42.1	42.1	52.5	52.5	52.5	52.5	62.9	62.9	62.9	62.9	62.9	62.9	62.9
空载转速 No-load speed r/min	539	386	143	105	74	39	28	20	14	11	9.2	7.9	6.6	5.6	4.7	4.0
额定转速 Rated speed r/min	431	309	114	84	59	31	23	16	12	8.8	7.3	6.3	5.2	4.5	3.8	3.2
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	5.0	5.8	7.0	8.2	9.8	10
最大瞬间允许负载 Max. permissible load in a short time N.m	3	3	12	12	12	25	25	25	25	30	30	30	30	30	30	30

配置 42ZY75-2430 直流电机 (42ZY75-2430DC Motor)

减速比 Reduction ratio	3.71	5.18	14	19	27	51	71	100	139	181	218	253	305	354	426
减速级数 Number of gear trains	1	1	2	2	2	3	3	3	3	4	4	4	4	4	4
减速器长度(L) Length(L) mm	31.5	31.5	42.1	42.1	42.1	52.5	52.5	52.5	52.5	62.9	62.9	62.9	62.9	62.9	62.9
空载转速 No-load speed r/min	809	579	214	158	111	59	42	30	22	17	14	12	9.8	8.5	7.0
额定转速 Rated speed r/min	674	483	179	132	93	49	35	25	18	14	11	9.9	8.2	7.1	5.9
额定转矩 Rated torque N.m	0.15	0.21	0.50	0.68	0.96	1.6	2.3	3.2	4.5	5.3	6.3	7.3	8.9	10	10
最大瞬间允许负载 Max. permissible load in a short time N.m	3	3	12	12	12	25	25	25	25	30	30	30	30	30	30

配置 42ZY75-2440 直流电机 (42ZY75-2440DC Motor)

减速比 Reduction ratio	3.71	5.18	14	19	27	51	71	100	139	181	218	253	305	354
减速级数 Number of gear trains	1	1	2	2	2	3	3	3	3	4	4	4	4	4
减速器长度(L) Length(L) mm	31.5	31.5	42.1	42.1	42.1	52.5	52.5	52.5	52.5	62.9	62.9	62.9	62.9	62.9
空载转速 No-load speed r/min	1078	772	286	211	148	78	56	40	29	22	18	16	13	11
额定转速 Rated speed r/min	943	676	250	184	130	69	49	35	25	19	16	14	11	9.9
额定转矩 Rated torque N.m	0.18	0.26	0.62	0.85	1.2	2.0	2.9	4.0	5.6	6.5	7.8	9.0	10	10
最大瞬间允许负载 Max. permissible load in a short time N.m	3	3	12	12	12	25	25	25	25	30	30	30	30	30