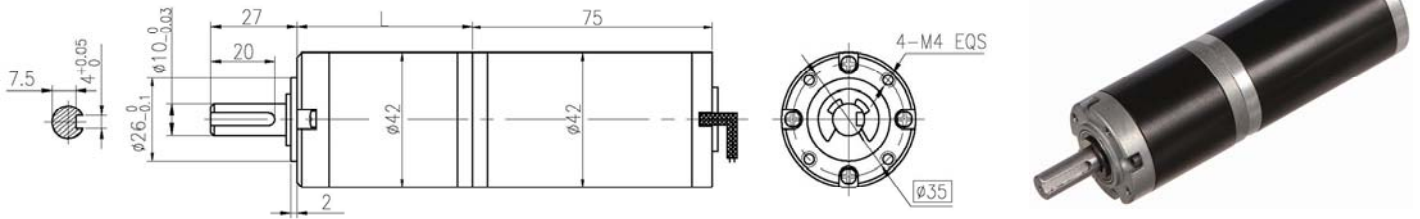


PM DC Planetary Gear Motor (Ring Gear Material: Metal and Powder Metal)

PGM42-100K/42M75

42mm Planetary Gearbox  
Permissible Load Range: 1N.m~10N.m

• Dimensions



• 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	堵转转矩 Stall torque mN.m	堵转电流 Stall current A
42M75-2430	24	3000	0.15	2500	44	11.5	0.75	259	3.55
42M75-2440	24	4000	0.20	3500	55	20	1.2	360	6.3

• Gear Motor Technical Data

42M75-2430 (42M75-2430DC Motor)

减速比 Reduction ratio	3.71	5.18	14	19	27	51	71	100	139	181	219	254	306	354	427
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	5.2	6.3	7.3	8.8	10	10
最大瞬时允许负载 Max. permissible load in a short time N.m	3	3	12	12	12	25	25	25	25	30	30	30	30	30	30

42M75-2440 (42M75-2440DC Motor)

减速比 Reduction ratio	3.71	5.18	14	19	27	51	71	100	139	181	219	254	306	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	2.1	2.9	4.0	5.6	6.5	7.8	9.1	10	10
最大瞬时允许负载 Max. permissible load in a short time N.m	3	3	12	12	12	25	25	25	25	30	30	30	30	30