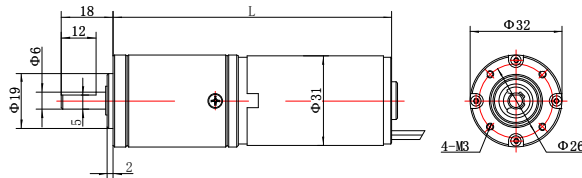


# 32PA/31ZYT53 PM DC PLANETARY GEAR MOTOR

● Mechanical Dimensions



● 32PAXXXG/31ZYT53-2430

Rated Voltage	V	24													
Reduction ratio	1:X	3.7	5.2	13	19	27	51	71	100	139	189	264	369	515	720
Stage	#	1	1	2	2	2	3	3	3	3	4	4	4	4	4
No-load speed	rpm	811	577	219	156	112	59	42	30	22	16	11	8.1	5.8	4.2
Rated speed	rpm	595	423	161	115	82	43	31	22	16	12	8.3	6.0	4.3	3.1
Rated Torque	kg.cm	0.3	0.42	0.99	1.4	1.9	3.2	4.5	6.3	8.8	10	14	20	28	30
Gear motor length (L)	mm	81.2	81.2	88.8	88.8	88.8	96.6	96.6	96.6	96.6	104	104	104	104	104
Moment Possible Max Torque	kg.cm	0.9	1.3	3.0	4.2	5.8	9.3	13	19	26	31	43	60	83	90

● 32PAXXXG/31ZYT53-2445

Rated Voltage	V	24													
Reduction ratio	1:X	3.7	5.2	13	19	27	51	71	100	139	189	264	369	515	720
Stage	#	1	1	2	2	2	3	3	3	3	4	4	4	4	4
No-load speed	rpm	1216	865	328	234	168	88	63	45	32	24	17	12	8.7	6.3
Rated speed	rpm	892	635	241	172	123	65	46	33	24	17	13	8.9	6.4	5.6
Rated Torque	kg.cm	0.43	0.61	1.4	2.0	2.8	4.6	6.5	9.1	13	15	21	29	30	30
Gear motor length (L)	mm	81.2	81.2	88.8	88.8	88.8	96.6	96.6	96.6	96.6	104	104	104	104	104
Moment Possible Max Torque	kg.cm	1.3	1.8	4.3	6.0	8.4	14	19	27	38	44	62	86	90	90

● 32PAXXXG/31ZYT53-2460

Rated Voltage	V	24													
Reduction ratio	1:X	3.7	5.2	13	19	27	51	71	100	139	189	264	369	515	720
Stage	#	1	1	2	2	2	3	3	3	3	4	4	4	4	4
No-load speed	rpm	1622	1154	438	313	224	118	85	60	43	32	23	16	12	8.3
Rated speed	rpm	1216	865	328	234	168	88	63	45	32	24	17	12	8.7	6.3
Rated Torque	kg.cm	0.6	0.84	2.0	2.8	3.9	6.4	8.9	12	18	20	29	30	30	30
Gear motor length (L)	mm	81.2	81.2	88.8	88.8	88.8	96.6	96.6	96.6	96.6	104	104	104	104	104
Moment Possible Max Torque	kg.cm	1.8	2.5	5.9	8.3	12	19	27	38	52	61	86	90	90	90

● Motor Specifications

Model	Rated Voltage	No-load Speed	No-load Current	Rated Speed	Rated Current	Rated Torque	Stall Current	Stall Torque	Rated Power
	V	rpm	mA	rpm	mA	g.cm	A	g.cm	W
31ZYT53-2430	24	3000	60	2200	200	90	0.8	360	2.0
31ZYT53-2445	24	4500	90	3300	350	130	1.3	520	4.7
31ZYT53-2460	24	6000	130	4500	650	180	2.6	720	8.0

**32**      **PA**      **19**      **G** / **31**      **ZYT**      **53**      -      **2445**  
 Size      Type      Ratio      Bearing      Size      Type      Length      Voltage and Speed  
 32mm      Planetary      19:1      Ball      31mm      Ferrite      53mm      24=24V;45=4500rpm