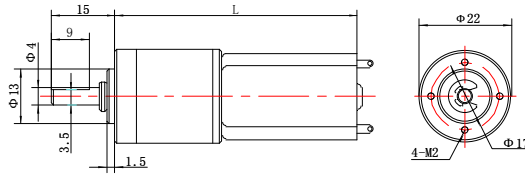


# 22PA/20ZYT32 PM DC PLANETARY GEAR MOTOR

● Mechanical Dimensions



● 22PAXXXG/20ZYT32-1244

Rated Voltage	V	12													
Reduction ratio	1:X	16	19	22.6	64	76	90.3	107	256	304	361	428	509	1024	1216
Stage	#	2	2	2	3	3	3	3	4	4	4	4	4	5	5
No-load speed	rpm	275	232	196	69	58	49	41	17	14	12	10	8.6	4.3	3.6
Rated speed	rpm	238	200	169	59	50	42	36	15	13	11	8.9	7.5	3.7	3.1
Rated Torque	kg.cm	0.13	0.15	0.18	0.47	0.55	0.66	0.78	1.7	2.0	2.3	2.8	3.3	6.0	7.0
Gear motor length (L)	mm	53.5	53.5	53.5	58.5	58.5	58.5	58.5	63.5	63.5	63.5	63.5	63.5	68.5	68.5
Moment Possible Max Torque	kg.cm	6	6	6	9	9	9	9	12	12	12	12	12	15	15

● 22PAXXXG/20ZYT32-1292

Rated Voltage	V	12													
Reduction ratio	1:X	16	19	22.6	64	76	90.3	107	256	304	361	428	509	1024	1216
Stage	#	2	2	2	3	3	3	3	4	4	4	4	4	5	5
No-load speed	rpm	575	484	409	144	121	102	86	36	30	25	21	18	9	7.6
Rated speed	rpm	444	374	316	111	93	79	66	28	23	20	17	14	6.9	5.8
Rated Torque	kg.cm	0.32	0.38	0.46	1.2	1.4	1.6	2.0	4.2	4.9	5.9	7.0	7.0	7.0	7.0
Gear motor length (L)	mm	53.5	53.5	53.5	58.5	58.5	58.5	58.5	63.5	63.5	63.5	63.5	63.5	68.5	68.5
Moment Possible Max Torque	kg.cm	6	6	6	9	9	9	9	12	12	12	12	12	15	15

● 22PAXXXG/20ZYT32-2492

Rated Voltage	V	24													
Reduction ratio	1:X	16	19	22.6	64	76	90.3	107	256	304	361	428	509	1024	1216
Stage	#	2	2	2	3	3	3	3	4	4	4	4	4	5	5
No-load speed	rpm	575	484	409	144	121	102	86	36	30	25	21	18	9	7.6
Rated speed	rpm	444	374	316	111	93	79	66	28	23	20	17	14	6.9	5.8
Rated Torque	kg.cm	0.32	0.38	0.46	1.2	1.4	1.6	2.0	4.2	4.9	5.9	7.0	7.0	7.0	7.0
Gear motor length (L)	mm	53.5	53.5	53.5	58.5	58.5	58.5	58.5	63.5	63.5	63.5	63.5	63.5	68.5	68.5
Moment Possible Max Torque	kg.cm	6	6	6	9	9	9	9	12	12	12	12	12	15	15

● Motor Specifications

M0del	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
22ZYT32-1244	12	4400	20	3800	70	10	0.32	67	0.39
22ZYT32-1292	12	9200	55	7100	290	25	1.3	130	1.8
22ZYT32-2492	24	9200	27	7100	140	25	0.63	130	1.8

Product Code:

<b>22</b>	<b>PA</b>	<b>16</b>	<b>G</b>	/	<b>20</b>	<b>ZYT</b>	<b>32</b>	-	<b>1230</b>
Size	Type	Ratio	Bearing		Size	Type	Length		Voltage and Speed
22mm	Planetary	16:1	Ball		20mm	Ferrite	32mm		12=12V;30=3000rpm