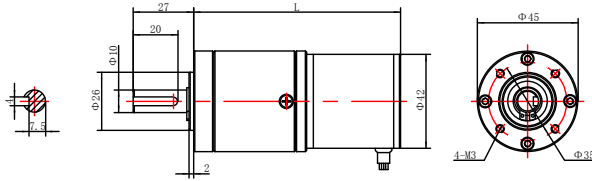


45PA/42BLY PM DC PLANETARY GEAR MOTOR

● Mechanical Dimensions



● 45PAXXXG/42BLY42-2430

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
Rated speed	rpm	811	577	219	156	112	59	42	30	22	16	11	8.1	5.8	4.2
Rated Torque	N-m	0.12	0.16	0.38	0.54	0.75	1.25	1.74	2.44	3.41	3.97	5.54	7.75	11	15
Gear motor length	mm	80.5	80.5	92.5	92.5	92.5	105	105	105	105	117	117	117	117	117
Moment Possible Max Torque	N-m	0.36	0.48	1.14	1.62	2.25	3.75	5.22	7.32	10.2	11.9	16.6	23.3	30	30

● 45PAXXXG/42BLY60-2430

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
Rated speed	rpm	811	577	219	156	112	59	42	30	22	16	11	8.1	5.8	4.2
Rated Torque	N-m	0.23	0.33	0.77	1.08	1.50	2.50	3.48	6.81	7.94	11	15	15	15	15
Gear motor length	mm	98.5	98.5	111	111	111	123	123	123	123	135	135	135	135	135
Moment Possible Max Torque	N-m	0.69	0.99	2.31	3.24	4.5	7.5	10.4	20.4	23.8	30	30	30	30	30

● 45PAXXXG/42BLY78-2430

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
Rated speed	rpm	811	577	219	156	112	59	42	30	22	16	11	8.1	5.8	4.2
Rated Torque	N-m	0.35	0.49	1.15	1.61	2.25	3.75	5.22	7.31	10	12	15	15	15	15
Gear motor length	mm	117	117	129	129	129	141	141	141	141	153	153	153	153	153
Moment Possible Max Torque	N-m	1.05	1.47	3.45	4.83	6.75	11.3	15.7	21.9	30	30	30	30	30	30

● Motor Specifications

Model	Rated Voltage	Rated Speed	Rated Current	Rated Torque	Output Power	Biggest Torque	Number of Phases	Number of Poles
	V	rpm	A	mN.m	W	mN.m	#	#
42BLY42-2430	24	3000	0.9	35	11	110	3	4
42BLY60-2430	24	3000	2.1	70	22	210	3	4
42BLY78-2430	24	3000	3.0	105	33	315	3	4

36	PA	19	G	/	36	BLY	60	-	2445
Size	Type	Ratio	Bearing		Size	Type	Length		Voltage and Speed
36mm	Planetary	19:1	Ball		36mm	Ferrite	60mm		24=24V;45=4500rpm