

# J5222 Planetary Gear Reducer

- 2.25 Inch NEMA 23
- Continuous Torques up to 60 lb-in
- Peak Torques up to 90 lb-in
- Ratios 5, 10, 15, 25, 50 & 100 Standard
- "Clamp On" Pinion
- Low Cost Powder Metal Gearing Assembly
- 75 Lb Radial and Axial Load Capacity
- "Bolt On" to NEMA 23 Motors
- Compatible with MCG - ID23, IB23, IS23 & IH23 Motors



Catalog Number	Ratio n : 1	Torque		Speed Output Max. rpm	Speed Input Max. rpm	Stage No.	Efficiency %	Gearbox Max. Length L mm / in	Weight kg / lb
		Cont. Tcs Nm / lb-in	Peak Tps Nm / lb-in						
J5227	5	6.78 / 60	10.2 / 90	600	3000	1	90%	75.4 / 2.97	0.4 / 0.9
J5232	10	6.78 / 60	10.2 / 90	300	3000	2	80%	90.2 / 3.55	0.6 / 1.3
J5237	15	6.78 / 60	10.2 / 90	200	3000	2	80%	98.3 / 3.87	0.8 / 1.8
J5247	25	6.78 / 60	10.2 / 90	120.0	3000	2	80%	98.3 / 3.87	0.8 / 1.8
J5272	50	6.78 / 60	10.2 / 90	60.0	3000	3	70%	113 / 4.45	1 / 2.2
J5322	100	6.78 / 60	10.2 / 90	30.0	3000	4	60%	128.3 / 5.05	1.2 / 2.6

Notes: 1) Backlash accuracy will be typically less than 3 Deg., 2) Add gear length to motor length

Typical Combinations		Ke v/krpm	Motor Length mm / in	Perform	Units	Gear Ratios					
Gear #	Motor #					5	10	15	25	50	100
<b>DC Gearmotor Combinations</b>											
J5xxx -	LG45222	5.8	102.1 / 4.02	Speed	rpm	600	300	200	120.0	60.0	30.0
				Tc	Nm / lb-in	0.95 / 8.4	1.69 / 15	2.54 / 23	4.2 / 38	6.8 / 60	6.8 / 60
				lc	amps	2.9	2.9	2.9	2.9	2.7	1.57
J5xxx -	LG45226	11	127 / 5	Speed	rpm	600	300	200	120.0	60.0	30.0
				Tc	Nm / lb-in	1.59 / 14.1	2.82 / 25	4.24 / 38	6.8 / 60	6.8 / 60	6.8 / 60
				lc	amps	4.9	4.9	4.9	4.7	2.7	1.57
<b>Brushless Gearmotor Combinations</b>											
J5xxx -	LG45032	8.2	65.3 / 2.57	Speed	rpm	600	300	200	120.0	60.0	30.0
				Tc	Nm / lb-in	0.65 / 5.8	1.15 / 10	1.73 / 15	2.9 / 26	5.1 / 45	6.8 / 60
				lc	amps	2.0	2.0	2.0	2.0	2.0	1.57
J5xxx -	LG45052	8.4	105.2 / 4.14	Speed	rpm	600	300	200	120.0	60.0	30.0
				Tc	Nm / lb-in	1.79 / 15.8	3.18 / 28	4.76 / 42	6.8 / 60	6.8 / 60	6.8 / 60
				lc	amps	5.5	5.5	5.5	4.7	2.7	1.57

Notes 1) Many other gearmotor combinations exist - consult factory, 2) Add Gear & Motor length 3) Add ratio value to J5 Model number as in chart above

