

GA12-N20 geared motor, all-metal structure, copper gearbox, all-steel micro gears, suitable for making various robot models and technology models. This model is an upgraded version, updated the deceleration design, using a better quality N20 motor.

Spur gearhead motors is DC motor with Round spur gearbox. This consists of a series of small spur gears that mesh with larger gears.

The gears are secured in a gearbox cover to avoid debris from entering and disrupting the gears. Finally, a pair of screws fastens the gearbox on top of the DC motormodules and other innovative ideas.

Specification:

No-load speed 3V: (RPM is the speed per minute):

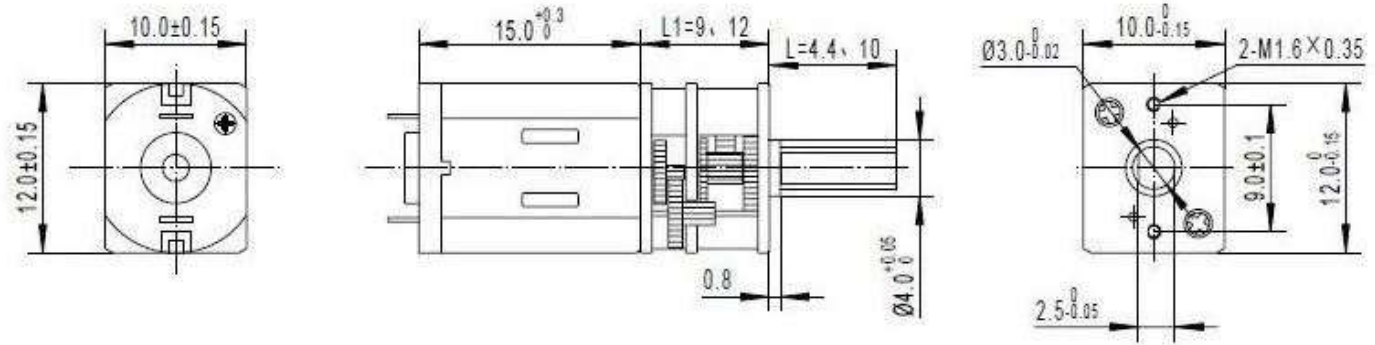
15rpm 25rpm 30rpm 35rpm 50rpm 75rpm 100rpm 150rpm 200rpm
300rpm 500rpm 750RPM 1000rpm

No-load speed 6V:

30rpm 50rpm 60rpm 70rpm 100rpm 150rpm 200rpm 300rpm 400rpm
500rpm 600rpm 1000RPM 2000rpm

No-load speed 12V:

60 rpm 100 rpm 120 rpm 140 rpm 200 rpm 300 rpm 400 rpm 500 rpm 1000
rpm 1200 rpm 2000 rpm 4000 RPM



Model	N20 Parameter List								
	Voltage		NO Load		Under Rated Load			Motor Locked-Rotor	
12GAN20-X (X is Reduction Ratio)	Voltage Range	Rated Voltage	Speed (RPM)	Current (A)	Speed (RPM)	Current (A)	Torque: (kg. cm)	Torque: (kg. cm)	Current (A)
12GAN20-10	1.5-5	3	1000	0.03	700	(A)	0.02	0.30	0.30
12GAN20-10	1.5-5	3	500	0.01	400	0.03	0.05	0.40	0.10
12GAN20-20	1.5-5	3	250	0.14	200	0.20	0.07	0.56	0.50
12GAN20-30	1.5-5	3	200	0.03	160	0.07	0.09	0.70	0.18
12GAN20-30	1.5-5	3	150	0.01	120	0.03	0.10	0.80	0.23
12GAN20-50	1.5-5	3	100	0.01	80	0.02	0.11	1.00	0.17
12GAN20-100	1.5-5	3	75	0.02	60	0.04	0.15	1.20	0.29
12GAN20-200	1.5-5	3	50	0.01	40	0.02	0.20	1.60	1.00
12GAN20-298	1.5-5	3	30	0.01	25	0.02	0.26	2.00	1.00
12GAN20-298	1.5-5	3	25	0.02	20	0.04	0.50	4.00	1.00
12GAN20-298	1.5-5	3	15	0.01	10	0.04	0.50	4.00	1.00
12GAN20-10	3-9	6	2000	0.04	1500	0.15	0.02	0.30	0.50
12GAN20-10	3-9	6	1000	0.01	800	0.03	0.06	0.40	0.16
12GAN20-20	3-9	6	500	0.16	400	0.23	0.15	1.00	0.56
12GAN20-30	3-9	6	400	0.04	340	0.07	0.17	1.40	0.20
12GAN20-30	3-9	6	300	0.03	240	0.04	0.20	1.60	0.20
12GAN20-50	3-9	6	200	0.03	160	0.06	0.30	1.80	0.23
12GAN20-100	3-9	6	150	0.03	120	0.05	0.35	2.40	0.25
12GAN20-200	3-9	6	100	0.01	80	0.03	0.40	3.20	1.00
12GAN20-298	3-9	6	60	0.03	50	0.05	0.60	3.20	1.00
12GAN20-298	3-9	6	50	0.02	40	0.05	1.50	10.00	1.00
12GAN20-298	3-9	6	30	0.02	25	0.04	1.50	10.00	1.00
12GAN20-10	6-12	12	4000	0.16	3000	0.34	0.04	0.60	0.60
12GAN20-10	6-12	12	2000	0.02	1600	0.06	0.12	1.00	0.35
12GAN20-20	6-12	12	1000	0.19	800	0.28	0.30	2.40	0.60
12GAN20-30	6-12	12	800	0.11	700	0.16	0.35	3.00	0.40
12GAN20-30	6-12	12	600	0.03	500	0.07	0.40	3.20	0.20
12GAN20-50	6-12	12	400	0.11	340	0.17	0.50	4.00	0.30
12GAN20-100	6-12	12	300	0.05	240	0.09	0.60	4.00	0.30
12GAN20-200	6-12	12	200	0.02	160	0.04	1.00	7.00	1.00
12GAN20-298	6-12	12	130	0.11	100	0.18	1.50	9.00	1.00
12GAN20-298	6-12	12	100	0.04	80	0.07	2.00	16.00	1.00
12GAN20-298	6-12	12	60	0.04	40	0.06	2.00	16.00	1.00