

650 Series Parallel Shaft DC

UP TO 710 IN-LBS CONTINUOUS

The 650 Series offers strength and versatility with torque up to 710 in-lbs and speed down to .9 RPM.



DC PARALLEL SHAFT GEARMOTORS

Specifications

Gearhead		Motor	Features
Gearing:	Hardened steel, AGMA Class 9	Motor Type: Permanent magnet	Junction box kit
Housing:	Precision machined die cast aluminum	Speed: Variable with appropriate control (1.37 form factor max)	<ul style="list-style-type: none"> P198-100-9111, 2.58" dia. P198-300-0000, 3.25" dia.
Lubrication:	Lifetime oil bath, sealed and gasketed	Rotation: Reversible	Base mounting bracket kit
Bearings:	Needle bearings and thrust balls	Bearings: Ball	<ul style="list-style-type: none"> P125-650-5000
Shafts:	Hardened steel	Insulation: Class F	Other Options
Mounting:	Face or base, (optional) any angle	Enclosure: TEFC	<ul style="list-style-type: none"> Accessory shaft Shaft-mount encoder
Finish:	Gloss black powder coat		

Additional Information

Current drawings and stock status available at www.bisongear.com

ISIS - Products available off-shelf

SNS - Min. order quantity and lead time

Wiring diagram pages 88-91

See pages 86-87 for additional accessories

650 Series PMDC 90V or 130V

Part Number	Speed 90V RPM	Speed 130V RPM***	Torque (in-lbs)	Input HP	Gear Ratio	Stages	OHL*	Amps	Shipping Wt.	Brush
011-656-2206	.9	1.3	710**	1/20	2206	5	900	0.23	21.3	B
011-656-1412	1.3	1.9	710**	1/20	1412.8	5	900	0.31	16.5	B
011-656-0276	6.5	9.4	710**	1/6	276.2	4	900	0.96	21.3	D
011-656-0138	13	19	660**	1/6	138.1	4	900	1.70	21.3	D
011-656-0116	15	22	570**	1/6	115.9	4	900	1.70	21.3	D

* Maximum overhung load on center of output shaft.

** Output torque is gear limited.

*** Units rated for 90V 1.37 form factor drive. May be run with 1.05 form factor drive at 130V.

650 DC

OPTIONAL J-BOX

2.94

C

B DIA.

#10-32 TAP

OPTIONAL FOOTPLATE

6.00

2.00

3/16 SQ. KEY 1.13 LONG

0.75 DIA.

5.00

TAP 1/4-20 UNC-2B 7/16 MIN. THREAD DEPTH (6) PLACES.

HP	A	B	C
1/6	12.43	3.25	3.36
1/20	9.89	2.58	2.81

4.78

1.81 1.81

1.71

0.91

2.72

3.59

6.22

4.00

0.33 DIA.