

### Allied Motion Brushless Motor Series

Series	<a href="#">HeiMotion</a>	<a href="#">Quantum NEMA</a>	<a href="#">Globe Line</a>	<a href="#">ResMax</a>	<a href="#">PerformeX</a>	<a href="#">EnduraMax</a>	<a href="#">Megaflux</a>	<a href="#">CM</a>	<a href="#">KinetiMax</a>	<a href="#">Quantum X</a>	<a href="#">HT</a>	<a href="#">Megaflux Frameless</a>	<a href="#">KinetiMax HPD</a>	<a href="#">LS Series</a>	<a href="#">TG Series</a>
Series															
Frame Size (mm)	40, 60, 80, 100, 130, 150, 190	NEMA 17, 23, 34, 56	20, 38	28	12.7, 16.5, 22.2	75, 95	170 (OD), 64 (ID)	66.3 (OD), 12.7, 19 (ID)	24, 31.7, 42, 54, 68	36, 56, 82, 127	19 - 127 (OD) 5 - 64 (ID)	60 - 792 (OD) 36 - 582 (ID)	62 - 125	25 - 393	46 - 190
Length (mm)	89 - 571	54 - 199	55	40	44.0 - 99	85 - 170	97, 113, 138	55	26.3 - 62.1	25-174	11 - 62	8 - 101	21 - 66	10.9 - 66.0	16 - 63
Voltage (Vdc)	48, 320, 560	24, 40, 130, 300	24, 27	24	24, 48	12, 24, 48	48	24	6, 12, 24	24, 40, 130, 300	24 - 100	48, 150, 300	6 - 75	6.9 - 385.7	28.0 - 230.9
Rated Torque (Nm)	0.12 - 66.0	0.1 - 11.1	.007 - .07	0.005	0.007 - 2.71	0.2 - 1.9	2.2 - 8.5	0.2	.005 - 0.17	0.1-15	0.008 - 9	0.3 - 1,875	0.24 - 6.7	0.016 - 17.86	0.14-9.46
Rated Speed (rpm)	2,000 - 9,000	878 - 13,800	7,500 - 24,000	20,000 - 90,000	98 - 96,000	1,300 - 5,150	75-1,000	1,125	3,450 - 4,750	1,116 - 30,746	419 - 18,298	17 - 7,098	1,658 - 4,320	235 - 6,370	3,300 - 30,600
Rated Power (W)	50 - 14,000	68 - 2,551	18 - 70.1	46	19.6 - 62	85 - 470	227 - 670	22.3	2 - 50	App. Dependent	App. Dependent	App. Dependent	108 - 1,171	10.9 - 5,621	103 - 5,942
Key Characteristics	Housed (Metric)	Housed	Housed	Housed	Housed	Housed	Housed	Housed	Housed	Frameless	Frameless	Frameless	Frameless	Frameless	Frameless
	Inner rotor	Inner rotor	Inner rotor	Inner rotor	Inner rotor	Inner rotor	Inner rotor	Inner rotor	Outer rotor	Inner rotor	Inner rotor	Inner rotor	Outer rotor	Inner rotor	Inner and Outer rotor (U Channel)
	Synchronous AC servo	Brushless DC servo	Brushless DC	Brushless DC	Brushless DC	Brushless DC	Brushless DC	Brushless DC	Brushless DC	Brushless DC servo	Brushless DC	Brushless DC	Brushless DC	Brushless DC	Brushless DC
								Direct drive	Direct drive		Direct drive	Direct drive	Direct drive	Direct drive	Direct drive
	Integrated drive electronics						Integrated drive electronics	Integrated drive electronics		Integrated drive electronics					
	Integrated encoder						Integrated encoder	Integrated encoder							
Available Customizations	Gearhead	Gearhead	Gearhead		Gearhead	Gearhead		Gearhead	Gearhead					Halls / No Halls	Halls / No Halls
	Encoder/resolver	Encoder	Encoder		Encoder	Internal Brake				Halls / No Halls	Halls / No Halls	Halls / No Halls			Housed Options Available
	Mating drive	Mating drive								Mating drive	Mating drive	Mating drive	Mating drive		
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#### Examples of Available Customizations



Hollow Shaft Modular Optical Encoders

Mated Motor Drives

Optional Gearheads