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HS-755HB Servo

Hitec's expansive line-up of servos include the HS-755HB and HS-755MG "giant scale" servos offered with either the revolutionary Karbonite™ gears or metal gears. Both are perfect for larger R/C applications and feature dual ball bearings with a water and dust resistant case. The powerful HS-755MG delivers a whopping 200 oz./in. of torque and the HS-755HB delivers 183 oz./in. of torque at 6 volts.

SPECS

Dimensions	2.3" x 1.1"x 2.0" (59 x 29 x 50mm)
Product Weight	3.88 oz.. (110g)
Output Shaft Style	24 tooth (C1) spline
Voltage Range	4.8V - 6.0V
No-Load Speed (4.8V)	0.28sec/60°
No-Load Speed (6.0V)	0.23sec/60°
Stall Torque (4.8V)	153 oz/in. (11kg.cm)
Stall Torque (6.0V)	183 oz/in. (13.2kg.cm)
Max PWM Signal Range (Standard)	556-2410µsec
Travel per µs (out of box)	.109°/µsec
Max Travel (out of box)	202°
Pulse Amplitude	3-5V
Operating Temperature	-20°C to +60°C
Current Drain - idle (4.8V)	8mA
Current Drain - idle (6.0V)	8.7mA
Current Drain - no-load (4.8V)	230mA
Current Drain - no-load (6V)	285mA
Continuous Rotation Modifiable	Yes
Direction w/ Increasing PWM Signal	Clockwise
Deadband Width	8µs
Motor Type	3 Pole Ferrite

Potentiometer Drive	Indirect Drive
Internal Feedback Style	5KΩ Potentiometer
Output Shaft Support	1 Bearing and 1 Oilite Bushing
Gear Type	Straight Cut Spur
Gear Material	Karbonite
Wire Length	11.81" (300mm)
Wire Gauge	22AWG

TECH TIPS