



ISL Products International

ø 30mm Planetary Gear Motor Brushed - w/ Magnetic Encoder

MOT-I-81668-19E

Online ID#:

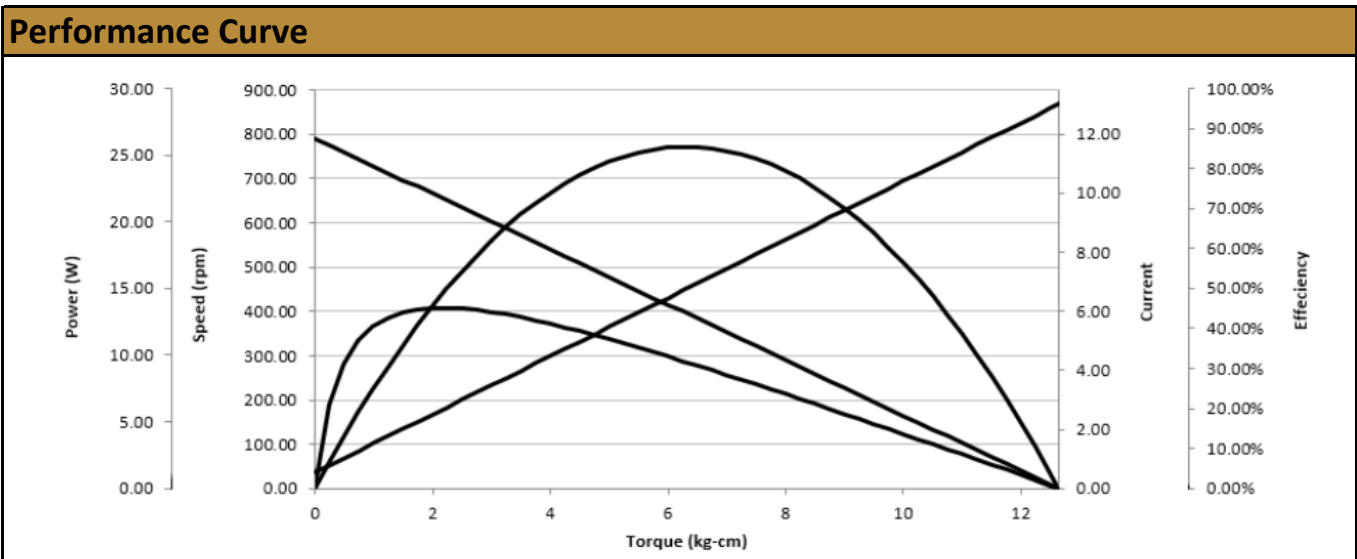
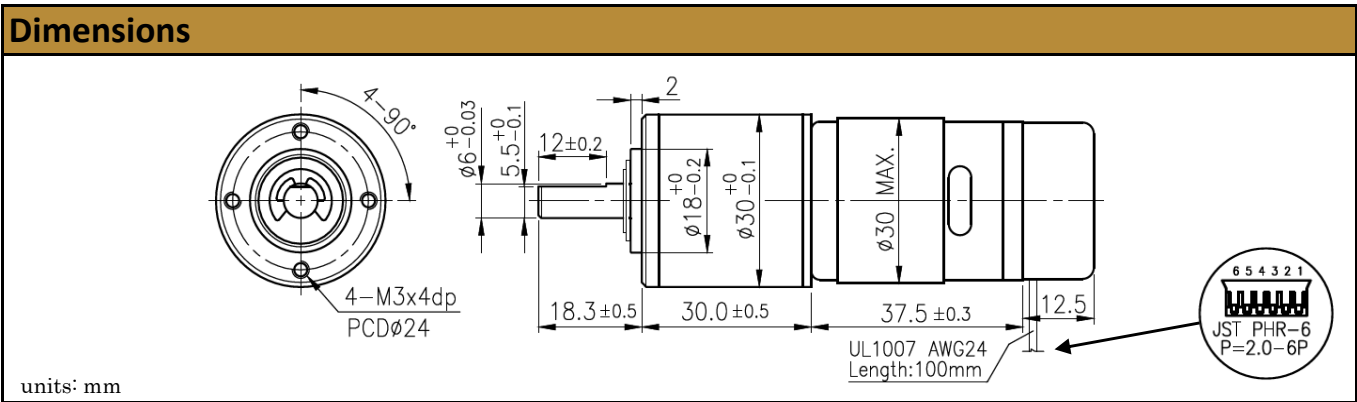
PGM-30-12-19-790-CE

Our Planetary Gear Motors are an inline solution providing excellent torque & speed output. Equipped with an incremental magnetic encoder for optimal positioning. They're best for intermittent duty operation. With endless combinations, we have a fully tailored gear motor solution for you.

Contact Us for alternative solutions!

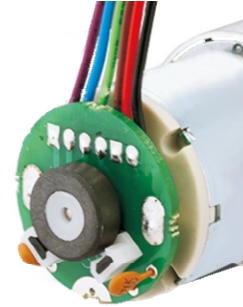


Specifications			
Gearhead Type:	Planetary - Ball Bearing	No-Load Speed:	790 rpm (+/- 10%)
Motor Type:	Carbon - Brushed	No-Load Current:	< 1 A
Rated Voltage:	12V DC	Stall Current:	13 A
Rated Speed:	649 rpm	Max. Power:	26 W
Rated Torque:	2.25 kg.cm	Reduction Ratio:	19:1
Termination Style:	Connector: JST PHR-6	Encoder Type:	Magnetic (2-Ch.-7PPR/14 Pole)





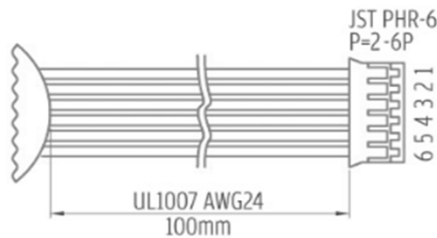
This gear motor is equipped with one of our magnetic encoders to provide exceptional feedback and control.



Specifications

Type:	Magnetic	Min. Operating Temp:	-10°C / 14°F
Channel(s):	2	Max. Operating Temp:	60°C / 140°F
Pulses per Revolution:	7 PPR	Max. Humidity:	85% (RH)
Supply Voltage:	3.5V - 20Vcc	Number of Wires:	6
Supply Current:	10mA (max.)	Connector Type:	JST PHR-6

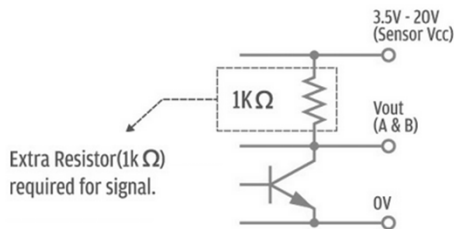
Dimensions / Connections



Encoder Connections		
1	Black	(-) Motor
2	Red	(+) Motor
3	Brown	Hall Sensor Vcc
4	Green	Hall Sensor GND
5	Blue	Hall Sensor A – V Out
6	Purple	Hall Sensor B – V Out

Electrical Characteristics

Output Circuit



Output Wave

