

# Brushed DC Rare-earth Permanent Magnet Motors

## Globe IM-15 HP Series

38.1mm (1.5") Brushed DC Permanent Magnet Motor



Allied Motion's IM-15 HP series motor is a 38.1 mm (1.5") brushed DC Permanent Magnet motor. Featuring strong and stable rare-earth Samarium Cobalt magnets, the IM-15 HP motor series delivers greater torque and high-pulse current without demagnetizing.

The IM-15 HP motor can be utilized across many industries, including but not limited to: Medical, Vehicle, Industrial, Oil & Gas, Printing, and even Aerospace applications.

The IM-15 HP motor series can also be customized with optional gearheads to boost torque output.

### Features & Benefits

- Rare-earth Samarium Cobalt magnets for greater torque and high-pulse current without demagnetizing
- Ball-bearings are pre-loaded to withstand higher side loads
- Compatible with spur and planetary gearboxes (upon request)

### Options & Accessories

- Customized mounting flange
- Encoders can be added
- Connectors and wire harnesses
- EMI suppression
- RoHS and REACH compliant
- Special winding configurations upon request

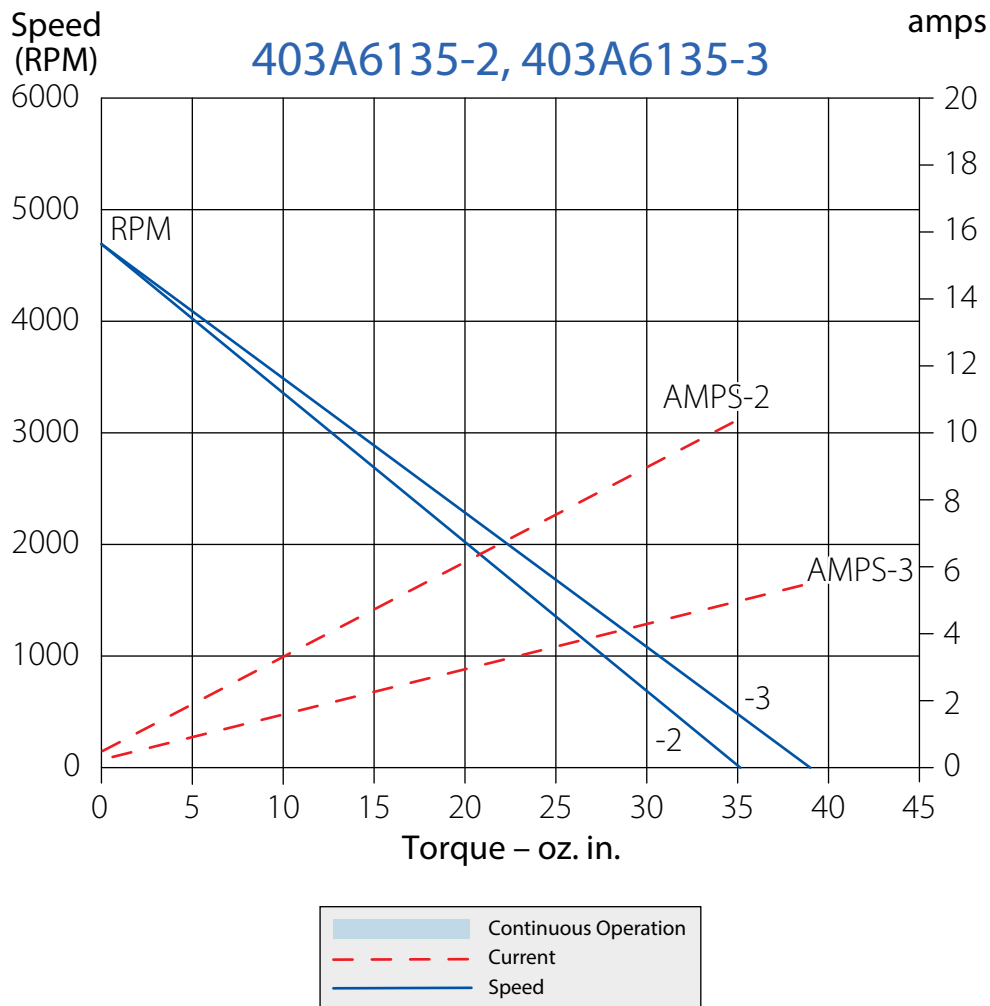
### IM-15 HP Specifications

	Voltage (VDC)	Speed +/-10% No Load (RPM)	Current No Load (max amps)	Rated Torque (oz. in.)	Current at Rated Torque (max amps)	Inertia (oz. in. sec. <sup>2</sup> x 10 <sup>-4</sup> )	Temp. Rise ** (C / Watt)	Torque Constant (oz. in./ amp)	Resistance (ohms)	Standard Part Number*
										With Leads
Ball Bearings	12	3800	0.225	6.5	2.1	4.60	8.5	3.50	1.10	403A6135-2
	24	3900	0.226	6.5	1.0	4.60	8.5	8.10	4.50	403A6135-3

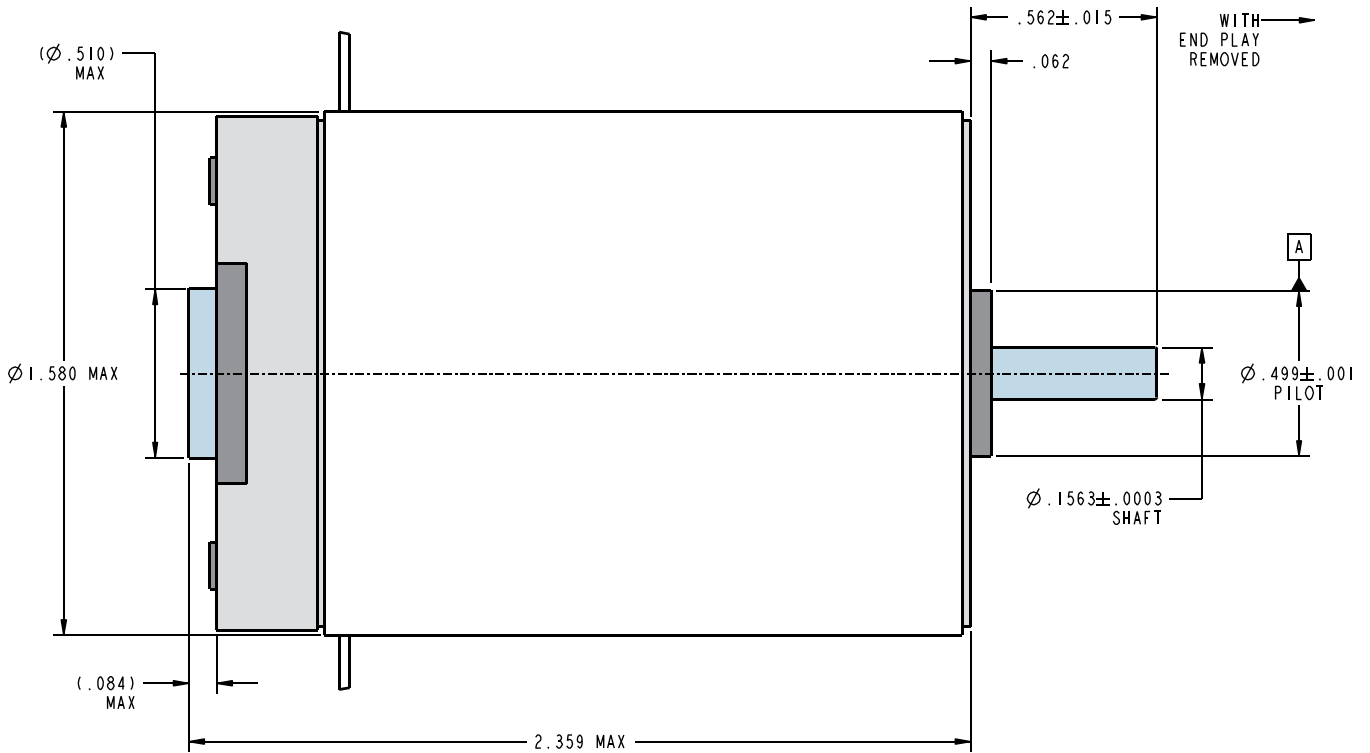
\*Units shown above are standard and may be ordered by part number. Please include Armature winding dash number when you order

\*\*Winding temperature rise measured when mounted to 8.00" x 8.00" x .25" aluminum plate. Multiply by 1.4 when mounted to heat insulator

### IM-15 HP Motor Series - Performance Curve



# IM-15 HP Dimensions



## Allied Motion Solution Centers

Allied Motion Solution Centers provide support to customers around the world from five geographically-strategic locations. Each facility is staffed by experienced application engineers and customer service teams to assist you with all aspects of your motion control needs. We also have a global network of factory-trained Allied Motion Sales Partners to serve you. For contact information on the location nearest you, please see below or visit our website.

### Global Presence and International Support



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