

NT HST Series

Brushless DC (BLDC) Motors



Nidec Motor Corporation's NT HST Series offers a durable and reliable platform for a wide range of applications. With over 1.5 million hours of combined life and reliability testing, the NT HST Series has a reputation of being a robust and customizable motor solution. The NT HST is well suited for most servo applications that demand low rotor inertia; a fast, dynamic response; and high torque in a small package.

Rated Torque: 400 oz-in

Speed Range: Up to 6000 rpm

Power: Up to 750 Watts

Mounting: NEMA 23

Rated Voltages: 12Vdc – 48Vdc

Encoder Options: 100 – 2048 line encoders

Warranty: One year limited warranty



Product Features

- High efficiency design
- Precise and accurate movement
- NEMA 23 mounting
- Integrated optical encoder (100-2048ppr)
- Option of integrated or external control
- High torque and low backlash gearboxes
- Inline, right angle, and metric gearboxes available
- Stainless steel shaft
- Magnetic encoder feedback
- Long life ball bearing system
- Over 20,000 hours of design life at rated torque
- UL approved Class B insulation system
- Over 1.5 million hours of combined life and reliability testing
- Custom shaft extensions and front mountings available



Product Overview and Options

The NT Series is designed to provide:

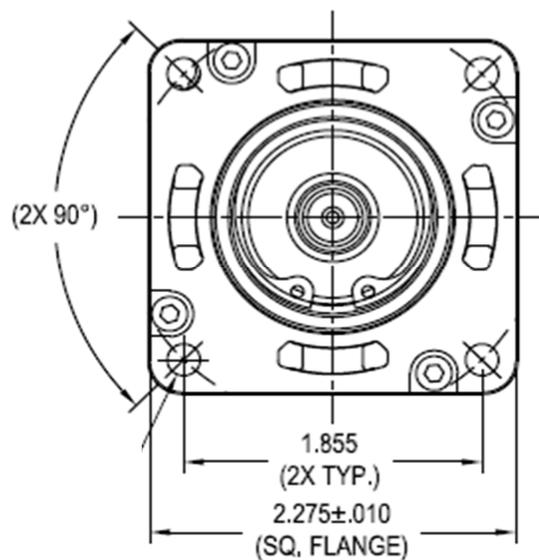
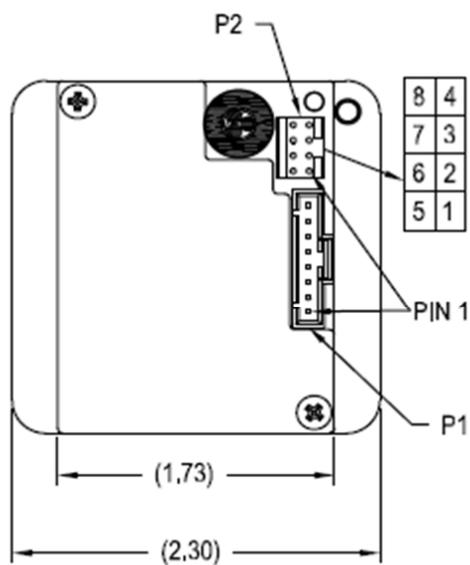
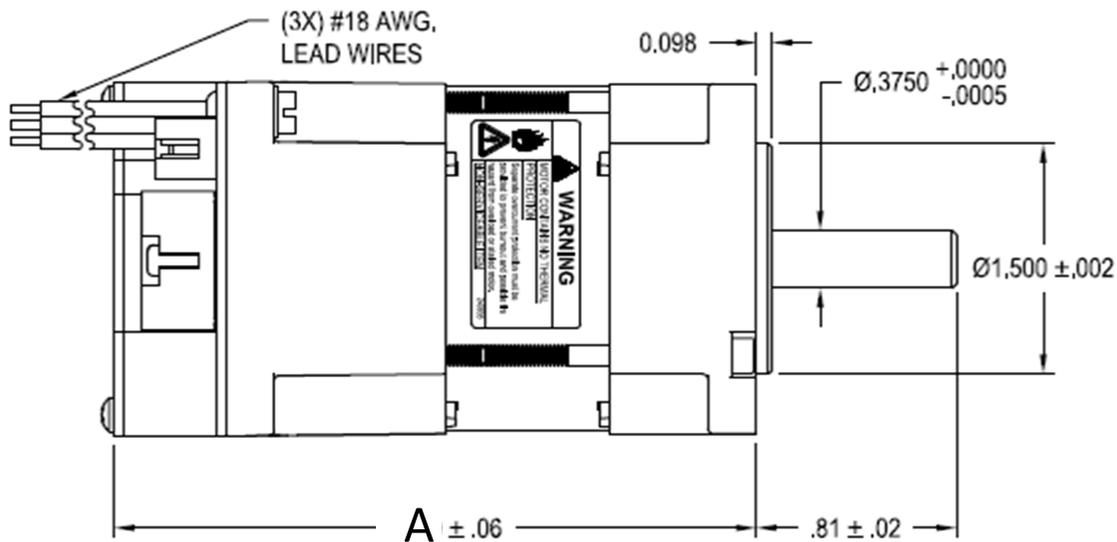
- Standardized modules that reduce costs
- Proven designs that are in use with major OEMs
- Standardized connectors
- Custom windings available
- Operation in speed or torque mode
- Option of encoder, resolver, or hall effect sensors

Typical Applications:

- Robotics
- High speed presses
- Automation
- Packaging
- X-Y tables
- Pumps
- Conveyors
- Mobility equipment

Dimensions

Dimension (A)	Power
5 inches	Up to 250 Watts
6 inches	Up to 500 Watts
7 inches	Up to 750 Watts



† All marks shown within this document are properties of their respective owners.

Nidec Motor Corporation, 2018; All Rights Reserved.
 Nidec Motor Corporation trademarks followed by the © symbol are registered with the U.S. Patent and Trademark Office.

Nidec
 NIDEC MOTOR CORPORATION

8050 W. Florissant Avenue | St. Louis, MO 63136
 Phone: 833-266-4332