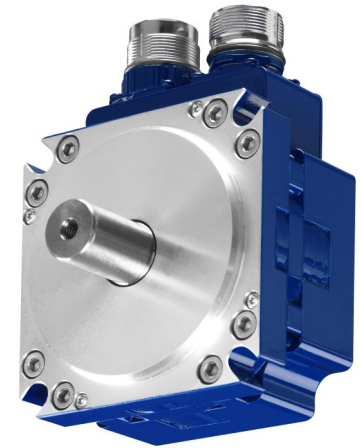


# ULTRA COMPACT MOTORS



## HDT 09 High Speed Motors

### Compact

- Ultra Compact Design
- Integrated Feedback
- Solid 19mm shaft
- Easy mounting

### Reliable

- Maintenance free
- Robust construction
- High protection class
- Accurate positioning

### Powerful

- High torque
- Low inertia
- High torsional stiffness
- Low weight



### Industries

- Military
- Marine
- Robotics
- Manufacturing
- Automotive
- Construction

The HDT 09 High Speed Motors are rated for 6000rpm, have 92 mm frame size, a torque range from 1.1Nm to 5.7Nm (low speed) and wound for 230 or 400VAC. All motors can be supplied with or without brake.

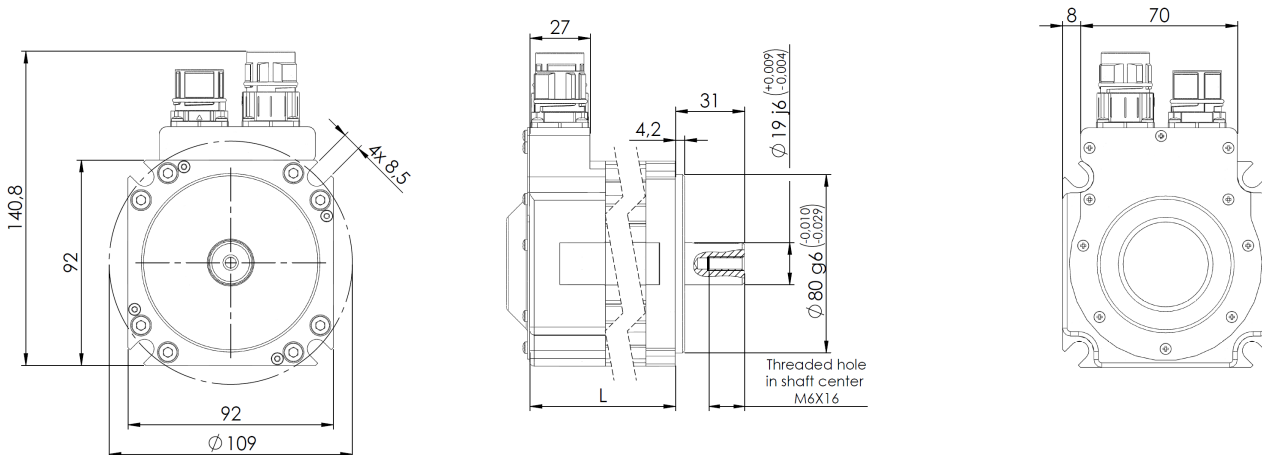
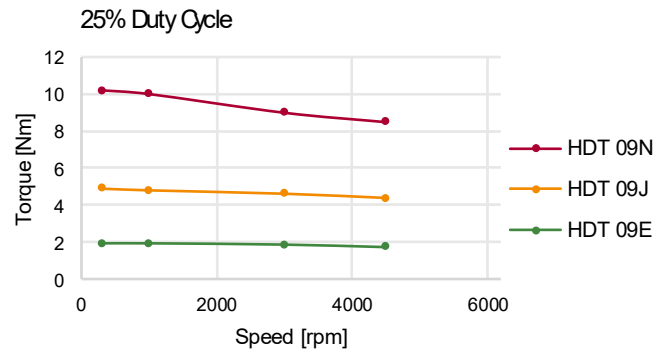
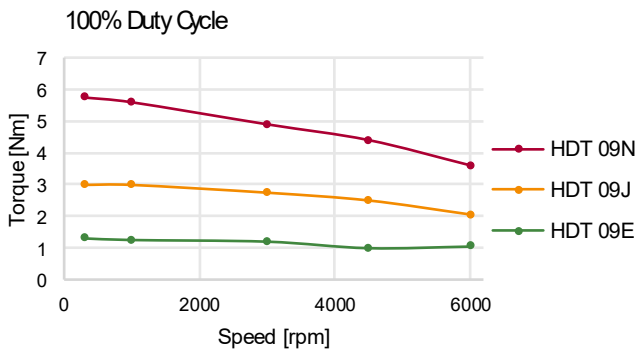
The standard motor is equipped with keyway, straight connectors, resolver feedback, PTC thermal sensor and IP-65 protected. As options the motor can be ordered with a variety of feedback systems, angled connectors, without keyway, IP-67 protected and with pressurized air connection.

Please see <http://www.hdd.se> for more details and other motor models.

## Technical data

Type	Torque		Speed n	Winding Ja (230 VAC)		Winding Ma (400 VAC)		Length*		Mass**	Inertia**
	M0	Mn		I0	In	I0	In	w/o brake	with brake		
	[Nm]	[Nm]		[A rms]	[A rms]	[A rms]	[A rms]	[mm]	[mm]		
<b>HDT09E</b>	1.3	1.1	6000	6.7	6.5	2.1	2.1	47.2	87.1	1.7	0.51
<b>HDT09J</b>	3.0	2.1	6000	14.1	12.3	4.7	4.1	59.6	99.5	2.3	1.01
<b>HDT09N</b>	5.7	3.6	6000	22.2	15.8	7.4	5.3	87.2	127.1	3.5	2.1

\* Housing length without outgoing shaft and feedback cover. \*\*With resolver feedback and without brake.



Specifications can be changed without notice. Reservation for printing error.