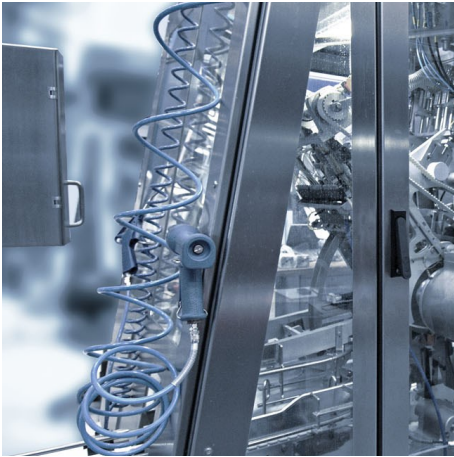


ULTRA COMPACT MOTORS



HDD 09 Solid Shaft 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 HDD 09 Solid Shaft Motors are our most sold motors. The motors have 92 mm frame size, a torque range from 1.2Nm to 7.5Nm (low speed), rated 3000rpm 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.

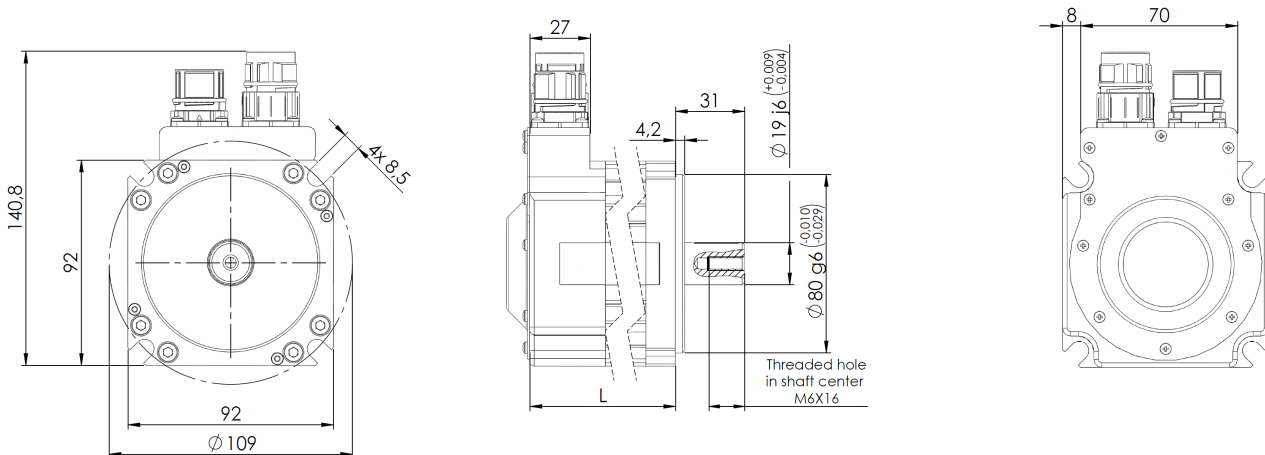
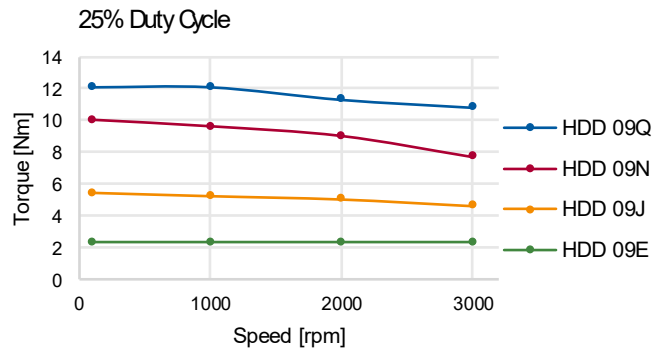
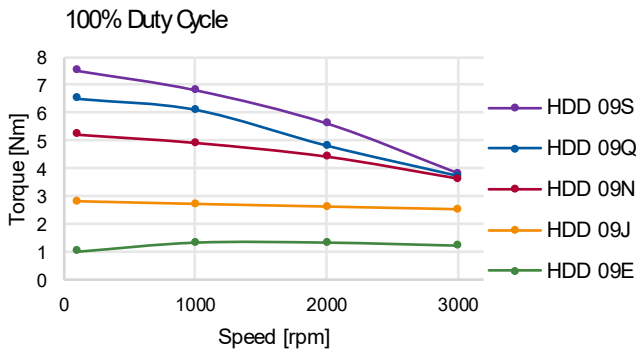
As options the motor can be ordered with a variety of feedback systems, angled connectors, without keyway, IP-67 protected and with pressurized air connection.

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

Technical data

Type	Torque		Speed n	Winding Ma (230 VAC)		Winding Pa (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]		
HDD09E	1.3	1.2	3000	2.8	2.7	1.2	1.1	47.2	72.7	1.8	1.3
HDD09J	2.8	2.3	3000	4.3	4.0	2.5	2.3	59.6	85.1	2.4	2.8
HDD09N	5.2	3.6	3000	7.4	6.3	3.9	3.3	87.2	112.7	3.6	6.1
HDD09Q	6.5	4.8	2000	-	-	5.3	3.0	109.7	137.3	4.7	8.8
HDD09S	8.8	6.9	2000	-	-	5.3	6.5	137.3	-	5.7	12.0

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



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