

# STEBON:- OEM motor range

## HD4L850 series

HD4L850 series motors have 4 leads. This means they can only be used with bipolar stepper drives. Their increased torque necessitates an oversized shaft.

- NEMA frame 34 stepper motor
- 200 steps per rev 1.8° step angle
- Class B insulation
- IP43 protection
- Dielectric strength 1500Vdc
- Bearing loading, axial, 60N max
- Bearing Loading, radial, 220N max

Ratings			
Model	HD4L851-300-60 (HD4L851-300-60L)	HD4L852-350-60 (HD4L852-350-60L)	HD4L853-200-90 (HD4L853-200-90L)
Holding Torque Nm	3.0	5.6	7.9
Current/phase A	6.0	6.0	9.0
Resistance Ohm	0.3	0.35	0.2
Inductance mH	1.65	2.7	1.4
Rotor Inertia Kgcm <sup>2</sup>	1.45	2.90	4.35
Step tolerance °	1.8 ± 0.09	1.8 ± 0.09	1.8 ± 0.09
Weight Kg	1.5	2.5	3.5
Motor length A mm	62	92.2	125.9
Shaft length D mm	30	30	35
Shaft Dia. B	9.525	12	12
Keyway e x b x d mm	22 x 3 x 1.8	25 x 4 x 2.5	25 x 4 x 2.5
Rear Shaft length C mm	(25.4)	(28)	(28)
Rear Shaft Dia E mm	(9.525)	(9.525)	(9.525)
Key a x i	3 x 22	4 x 25	4 x 25

