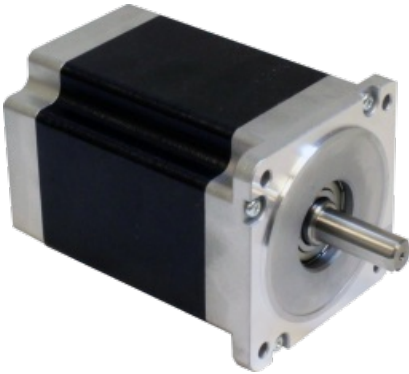


## HT34-496

NEMA 34 High Torque Step Motor

1pc. - 453.00  
50pc. - 339.75



### Product Features

- 2-phase hybrid step motor
- High torque design
- Standard NEMA 34 dimensions
- Optimized for high bus voltage operation



## Description

### Product Description:

The HT34-496 two-phase stepper motor is designed for use with the STAC5 and STAC6 series of stepper drives and is suitable for a wide range of motion control applications. The motor is optimized for use with high bus-voltage drives and comes with an integral 10 ft shielded cable.

The motor is terminated with 8 motor leads plus 1 ground lead making it easy to connect the motor to the drive depending on the drive voltage being used. For 120 VAC applications the motor leads must be connected in parallel. For 220 VAC applications the motor leads must be connected in series.








**Note:** The HT34-496 step motor supersedes the HT34-489 step motor in 120 VAC applications with the STAC6 stepper drives.

## Specifications

<b>Part Number:</b>	HT34-496
<b>Frame Size:</b>	NEMA 34
<b>Motor Type:</b>	High torque
<b>Part Number w/Double Shaft:</b>	HT34-496D
<b>Part Number w/Encoder:</b>	HT34-496D-YAA
<b>Part Number w/Encoder &amp; Cover:</b>	HT34-496D-YAC
<b>Motor Length:</b>	4.63 inches
<b>Number of Lead Wires:</b>	8
<b>Lead Wire Configuration:</b>	shielded cable, no connector
<b>Lead Wire/Cable Length:</b>	120 inches
<b>Lead Wire Gauge:</b>	22 AWG
<b>Unipolar Holding Torque:</b>	785 oz-in
<b>Bipolar Holding Torque:</b>	1110 oz-in
<b>Step Angle:</b>	1.8 deg
<b>Bipolar Series Current:</b>	2.05 A/phase
<b>Bipolar Series Resistance:</b>	4.9 Ohms/phase
<b>Bipolar Series Inductance:</b>	42.0 mH/phase
<b>Bipolar Parallel Current:</b>	4.10 A/phase
<b>Bipolar Parallel Resistance:</b>	1.2 Ohms/phase
<b>Bipolar Parallel Inductance:</b>	10.5 mH/phase
<b>Unipolar Current:</b>	2.90 A/phase
<b>Unipolar Resistance:</b>	2.5 Ohms/phase
<b>Unipolar Inductance:</b>	10.5 mH/phase
<b>Rotor Inertia:</b>	4.53E-02 oz-in-sec <sup>2</sup>
<b>Integral Gearhead:</b>	No

<b>Weight:</b>	7.7 lbs
<b>Storage Temperature:</b>	-40 to 70 °C
<b>Operating Temperature:</b>	-20 to 50 °C
<b>Insulation Class:</b>	Class B (130 °C)
<b>Maximum Radial Load:</b>	42 lbs
<b>Maximum Thrust Load:</b>	33 (2.2 w/ encoder) lbs
<b>Shaft Run Out:</b>	0.002 inch T.I.R. max
<b>Radial Play:</b>	0.001 inch max w/ 1.1 lb load
<b>End Play:</b>	0.003 inch max w/ 2.2 lb load
<b>Perpendicularity:</b>	0.003 inches
<b>Concentricity:</b>	0.003 inches

## Downloads

<b>Family Datasheet:</b>	 <a href="#">StepMotorWiring-8-lead-cabled-solid.pdf</a>
<b>Datasheet:</b>	<a href="http://s3.amazonaws.com/applied-motion-pdf/HT34-496.pdf">http://s3.amazonaws.com/applied-motion-pdf/HT34-496.pdf</a>
<b>2D Drawing:</b>	 <a href="#">HT34-496_RevE.pdf</a>  <a href="#">HT34-496D-YAA_RevB.pdf</a>
<b>3D Drawing:</b>	 <a href="#">34HT117D.igs</a>  <a href="#">HT34-496D_117mm_YAA_Enc.igs</a>
<b>Speed-Torque Curves:</b>	 <a href="#">STAC5_speed-torque.pdf</a>  <a href="#">STAC6_speed-torque.pdf</a>

## Pricing

	<b>HT34-496</b> Part No. w/ Single Shaft	<b>HT34-496D</b> Part No. w/ Double Shaft	<b>HT34-496D- YAA</b> Part No. w/ Encoder	<b>HT34-496D-YAC</b> Part No. w/ Encoder & Cover
<b>1pc.</b>	\$453.00	\$453.00	\$579.00	\$690.00
<b>25pc.</b>	\$389.58	\$389.58	\$497.94	\$593.40
<b>50pc.</b>	\$339.75	\$339.75	\$434.25	\$517.50
<b>100pc.</b>	<a href="#">Request a Quote</a> for 100+ piece pricing.			