

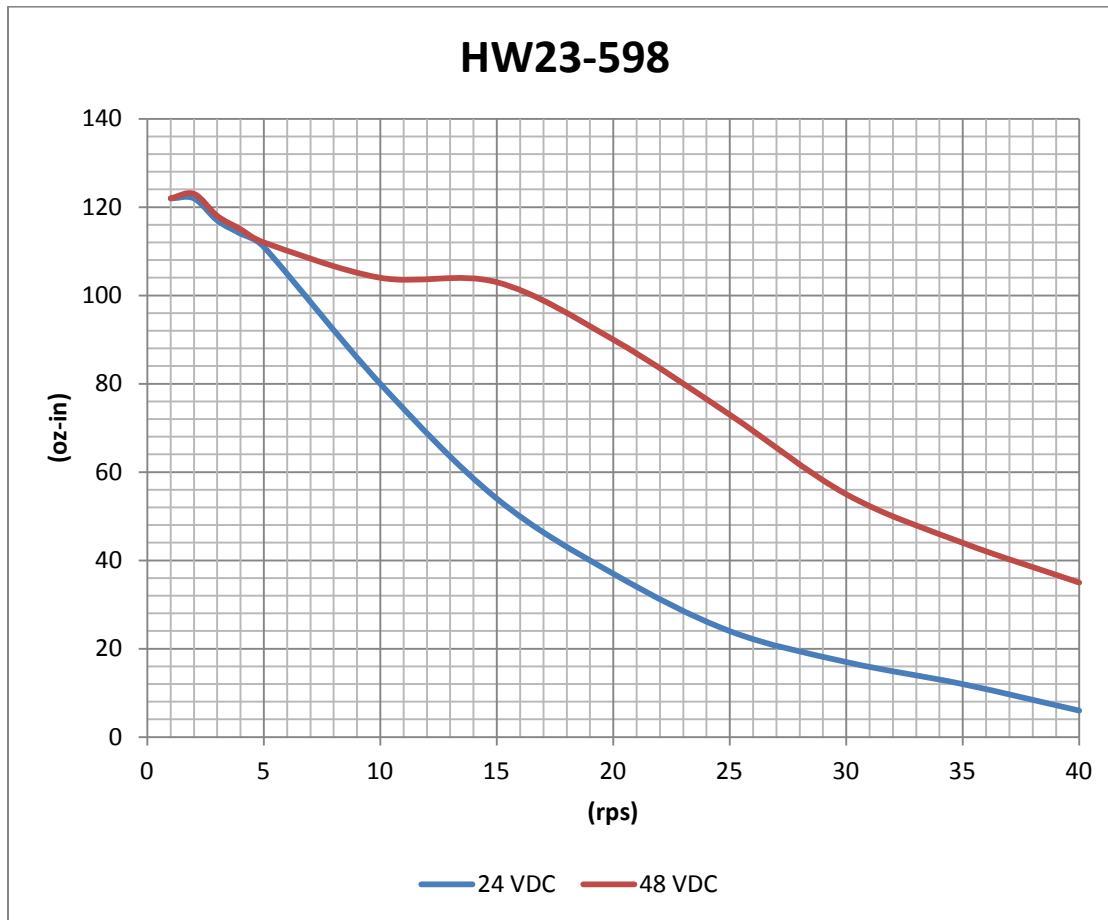
# HW23-598

*IP 65 Rated, NEMA 23 High Torque Step Motor*

## Recommended Drives

1. STR2 (see STR2 Hardware Manual for speed-torque and duty cycle curves; compare to HT23-598)
2. STR4
3. STR8
4. ST Series: ST5 and ST10 models

## Speed vs. Torque Curves



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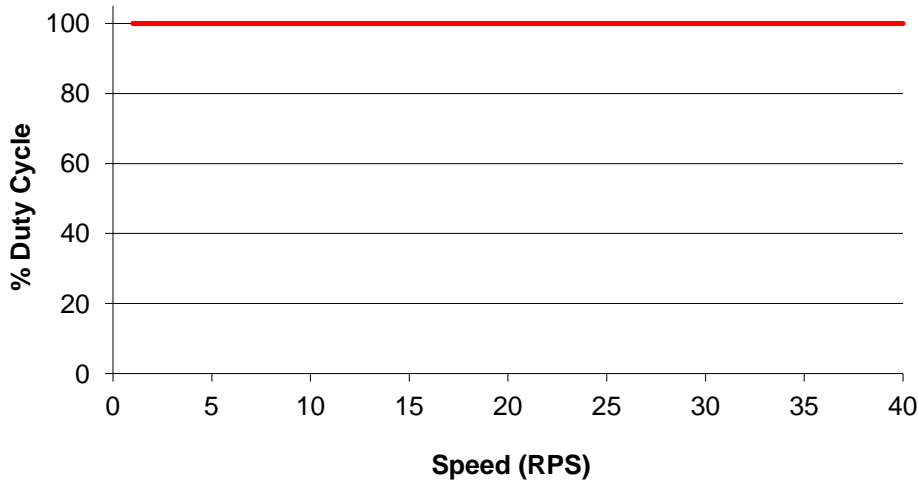
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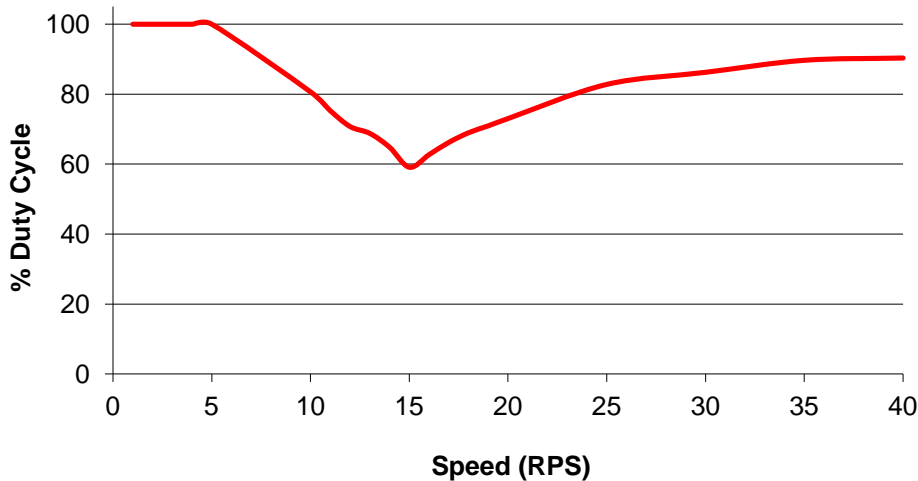
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**Duty Cycle Curves**

**HW23-598 Max Duty cycle vs Speed**  
24 VDC, 5.0 Amps, 40°C Ambient  
on 6.4 x 6.4 x 0.25 Aluminum plate



**HW23-598 Max Duty cycle vs Speed**  
48 VDC, 5.0 Amps, 40°C Ambient  
on 6.4 x 6.4 x 0.25 Aluminum plate

**Drive Configuration Details**

1. STR2
  - 1.1. Wire the motor to the drive using the series connection method.
  - 1.2. Select dip switch settings for HT23-598.

- 1.3. See the STR2 hardware manual for more setup details.
2. STR4
  - 2.1. Wire the motor to the drive using the parallel connection method.
  - 2.2. Select rotary switch position 7 for HT23-398/598.
  - 2.3. See the STR4/8 hardware manual for more setup details.
3. STR8
  - 3.1. Wire the motor to the drive using the parallel connection method.
  - 3.2. Select rotary switch position 5 for HT23-398/598.
  - 3.3. See the STR4/8 hardware manual for more setup details.
4. ST5 and ST10 models
  - 4.1. Wire the motor to the drive using the parallel connection method.
  - 4.2. Use the *ST Configurator*<sup>™</sup> software to configure the drive and motor.
  - 4.3. Select HT23-398/598 from the “Standard motor” drop-down menu of the Motor dialog.
  - 4.4. See the relevant ST5/10 hardware manual for more setup details.

### Additional Data

Additional data for this motor, including a 2D drawing and a 3D model, are available for download from the Applied Motion website, [www.applied-motion.com](http://www.applied-motion.com).

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