

## 5.1 Recommended motors

### Recommended Motors - NEMA 23

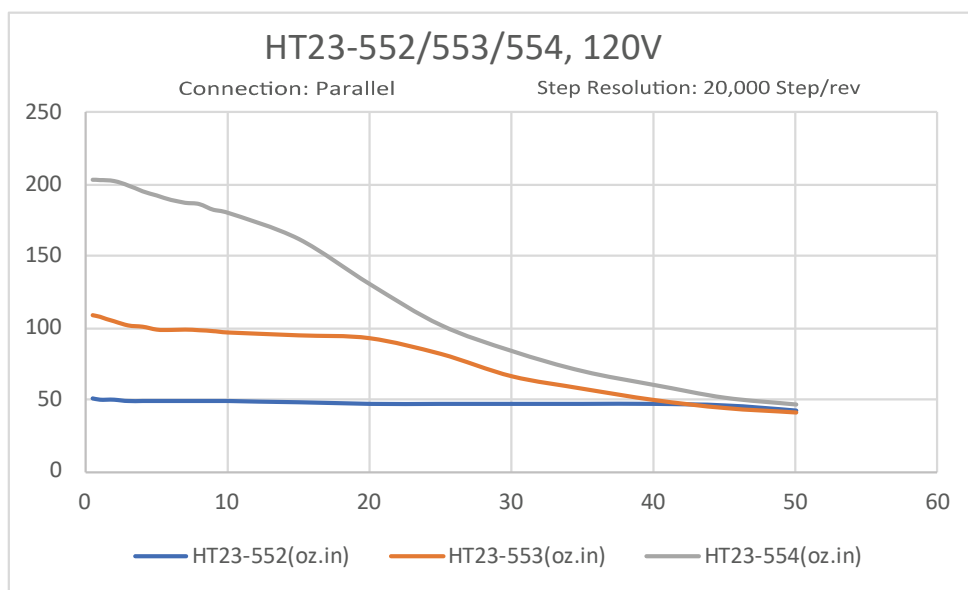
Motor Part No.	STRAC8 (120)		STRAC8 (220)		Holding Torque oz-in	Rotor Inertia oz-in-sec <sup>2</sup>	Motor Length inch (mm)
	Connection	Drive Current Setting amps/phase	Connection	Drive Current Setting amps/phase			
HT23-552	parallel	1.50	series	0.75	84.4	1.70E-03	1.71 (43.5)
HT23-553	parallel	1.50	series	0.75	167	4.25E-03	2.17 (55)
HT23-554	parallel	1.80	series	0.90	255	6.80E-03	3.05 (77.5)

### Recommended Motors - NEMA 34

Motor Part No.	STRAC8 (120)		STRAC8 (220)		Holding Torque oz-in	Rotor Inertia oz-in-sec <sup>2</sup>	Motor Length inch (mm)
	Connection	Drive Current Setting amps/phase	Connection	Drive Current Setting amps/phase			
HT34-495	parallel	5.10	series	2.55	555	2.27E-02	3.11 (79)
HT34-496	parallel	5.10	series	2.55	1110	4.53E-02	4.63 (117.5)
HT34-497	parallel	5.80	series	3.20	1694	6.80E-02	6.14 (156)

Note: The "Drive Current Setting" shown here differs from the rated current of each motor because the rated current is RMS and the drive current setting is peak sine. If you are using a motor not listed here, for best results set the drive current at the motor's rated current x 1.2.

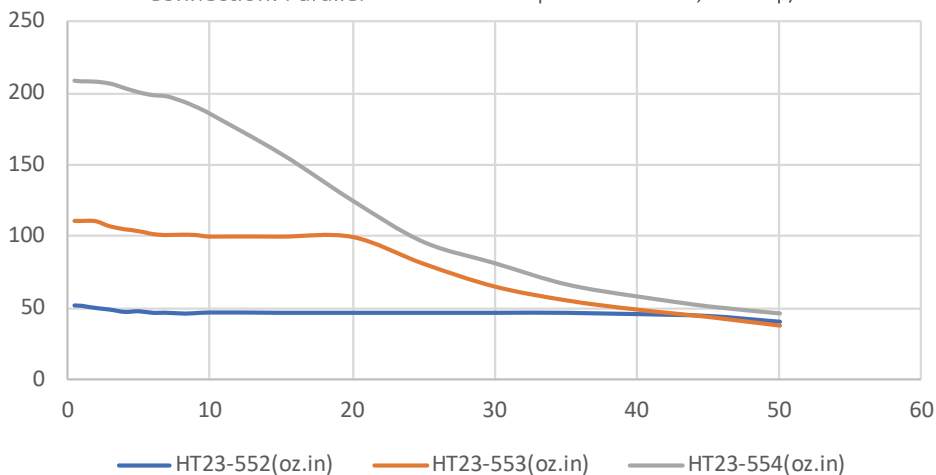
## 5.2 Torque-Speed Curves



### HT23-552/553/554, 220V

Connection: Parallel

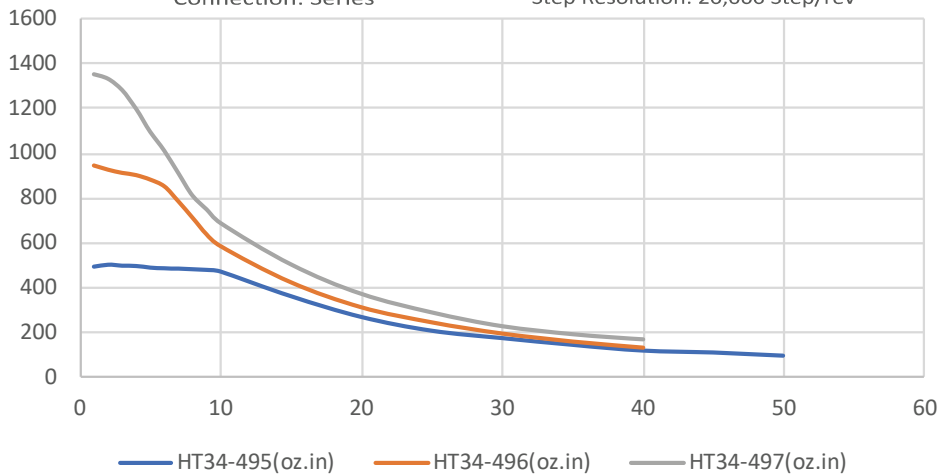
Step Resolution: 20,000 Step/rev



### HT34-495/696/697, 120V

Connection: Series

Step Resolution: 20,000 Step/rev



### HT34-495/696/697, 220V

Connection: Series

Step Resolution: 20,000 Step/rev

