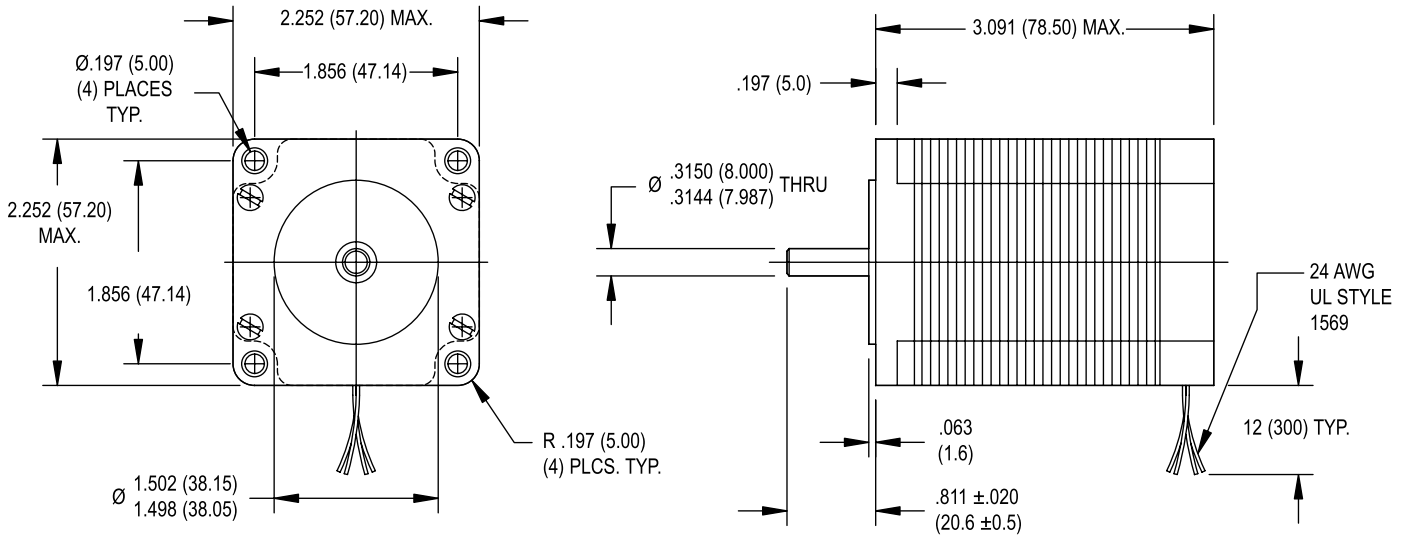
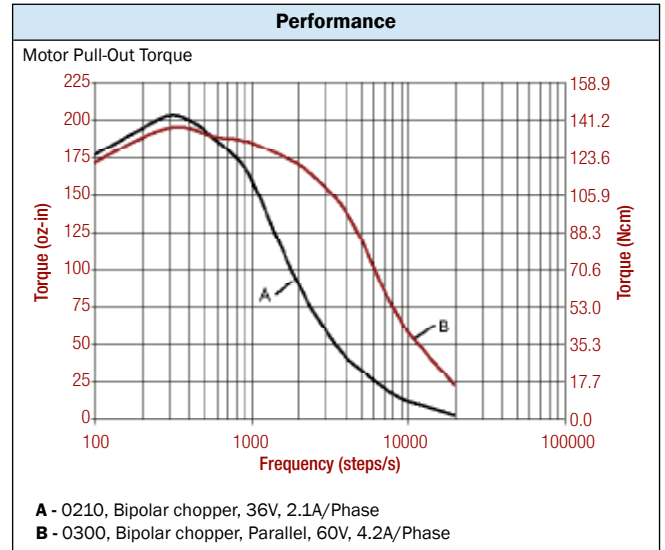


SIZE 23 HIGH PERFORMANCE STEPPER MOTOR DATA



Specification	Units	HS 200 2231	
		0210	0300
Rated Phase Current	A	2.10	3.00
Phase Resistance	Ω	2.0	1.1
Phase Inductance	mH	6.5	1.7
Holding Torque Unipolar	oz-in Ncm	—	177 125
Holding Torque Bipolar	oz-in Ncm	228 161	231 163
Detent Torque	oz-in Ncm	9.6 6.8	9.6 6.8
Rotor Inertia	oz-in-s ² $\times 10^{-4}$ g-cm ²	48 340	48 340
Motor Weight (Mass)	lb kg	2.2 1.0	2.2 1.0
Maximum Voltage	V	75	75
Std. No. of Leads	—	4	8

Available through the MotionExpress program.



- Standard Features**
- Step angle: 1.8°
 - Step angle accuracy: 5%
 - Insulation class: B (130°C)
 - Optimized for microstep operation
 - NEMA 23 mounting configuration
 - AlNiCo magnets
 - Additional windings and customization options available

- Complementary Products**
- Gearboxes
 - Encoders

