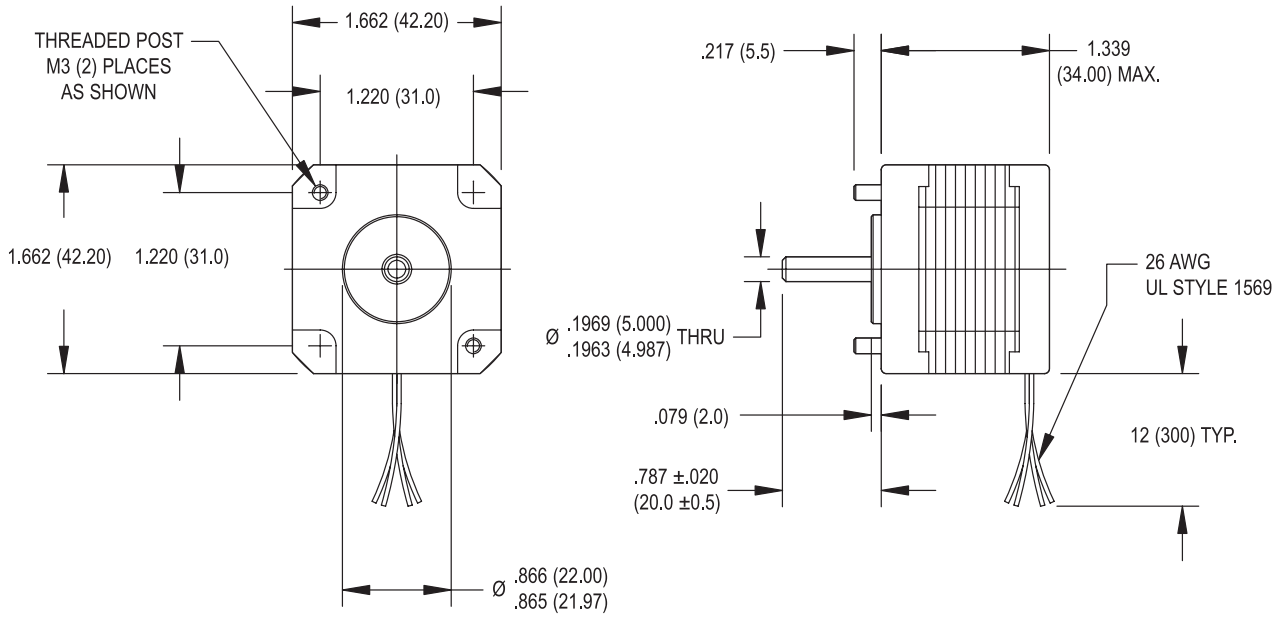
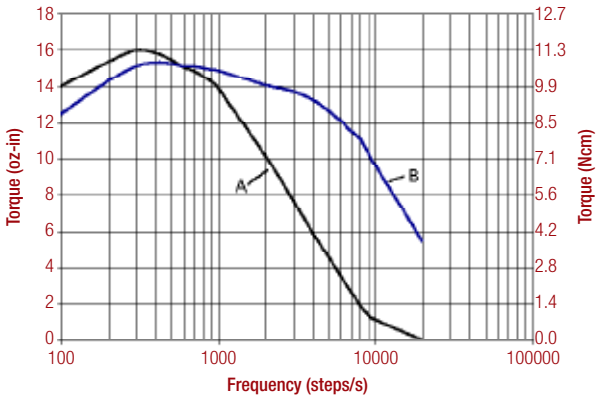
SIZE 17 STEPPER MOTOR DATA



Specification	Units	HY 200 1713	
		0033	0150
Rated Phase Current	A	0.33	1.50
Phase Resistance	Ω	23.9	1.0
Phase Inductance	mH	28.9	1.2
Holding Torque Unipolar	oz-in	–	–
	Ncm	–	–
Holding Torque Bipolar	oz-in	19.4	18.4
	Ncm	13.7	13.0
Detent Torque	oz-in	2.4	2.4
	Ncm	1.7	1.7
Rotor Inertia	oz-in-s^{2}x10^{-4}	2.5	2.5
	g-cm^2	18	18
Motor Weight (Mass)	lb	0.4	0.4
	kg	0.2	0.2
Maximum Voltage	V	40	40
Std. No. of Leads	–	4	4

Performance

Motor Pull-Out Torque



A - 0033, Bipolar chopper, 36V, 0.33A/Phase
B - 0150, Bipolar chopper, 36V, 1.5A/Phase

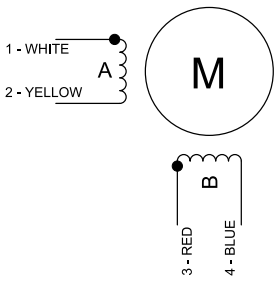
Standard Features

- Step angle: 1.8˚
- Step angle accuracy: 5%
- Insulation class: B (130˚C)
- NEMA 17 mounting configuration
- Additional windings and customization options available

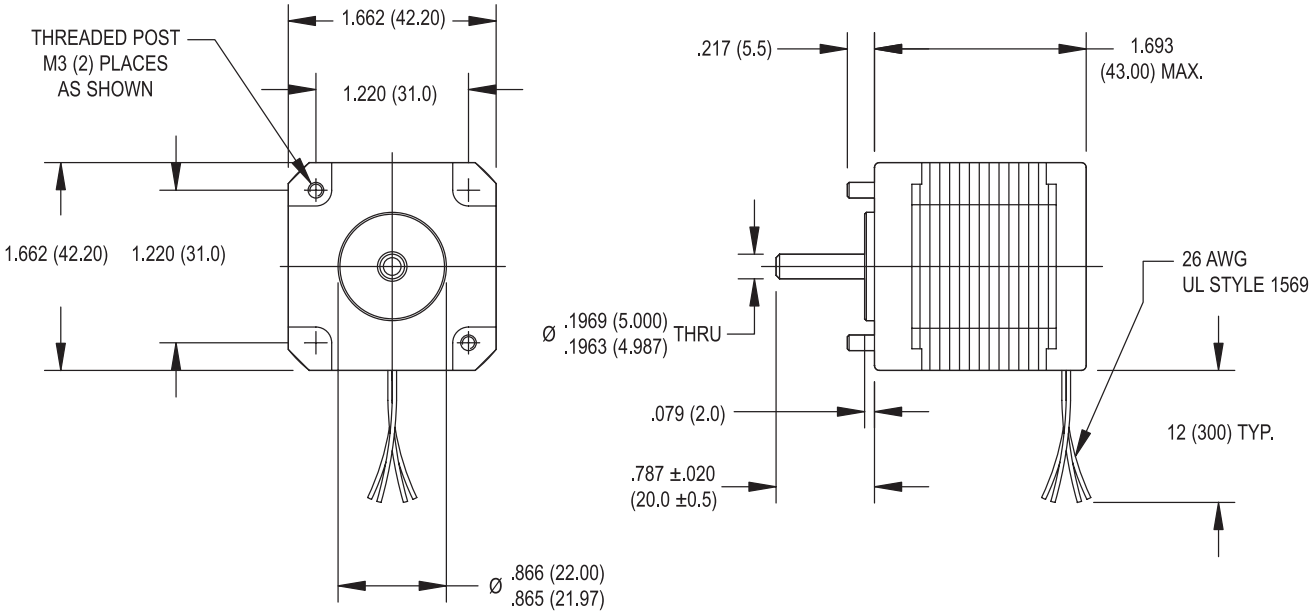
Complementary Products

- Gearboxes
- Encoders

Standard Leadwire Configuration



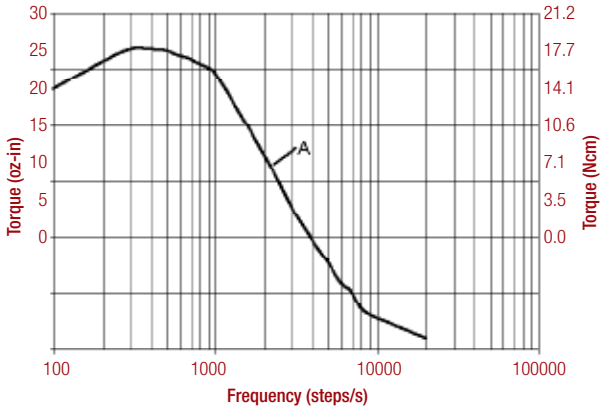
SIZE 17 STEPPER MOTOR DATA



Specification	Units	HY 200 1717
		0100
Rated Phase Current	A	1.00
Phase Resistance	Ω	4.6
Phase Inductance	mH	10.6
Holding Torque Unipolar	oz-in	–
	Ncm	–
Holding Torque Bipolar	oz-in	32.7
	Ncm	23.1
Detent Torque	oz-in	2.4
	Ncm	1.7
Rotor Inertia	oz-in-s^{2}x10^{-4}	4.5
	g-cm^2	32
Motor Weight (Mass)	lb	0.7
	kg	0.3
Maximum Voltage	V	40
Std. No. of Leads	–	4

Performance

Motor Pull-Out Torque

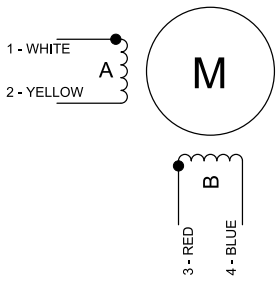


A - 0100, Bipolar chopper, 36V, 1A/Phase

Standard Features

- Step angle: 1.8˚
- Step angle accuracy: 5%
- Insulation class: B (130˚C)
- NEMA 17 mounting configuration
- Additional windings and customization options available

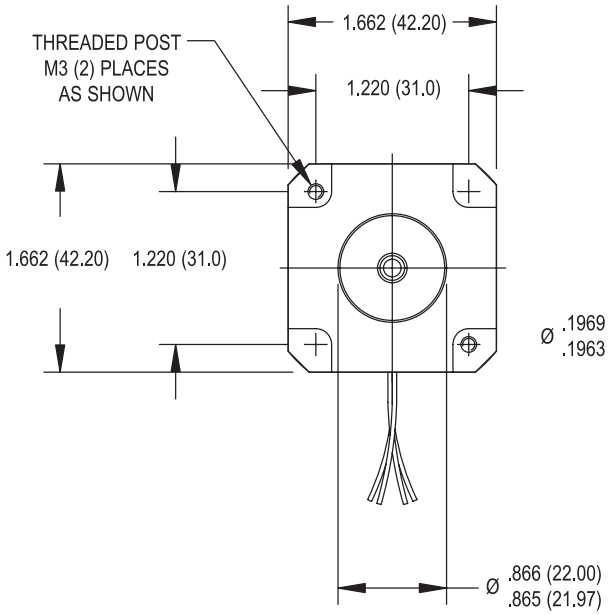
Standard Leadwire Configuration

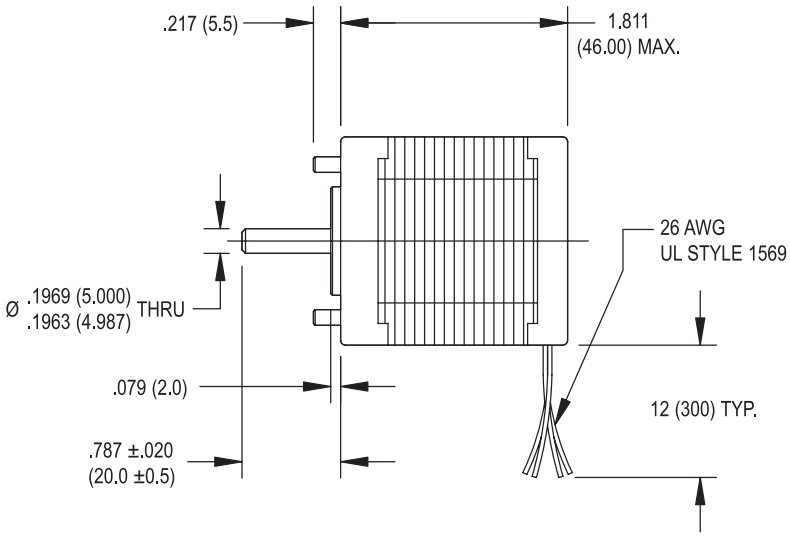


Complementary Products

- Gearboxes
- Encoders

SIZE 17 STEPPER MOTOR DATA

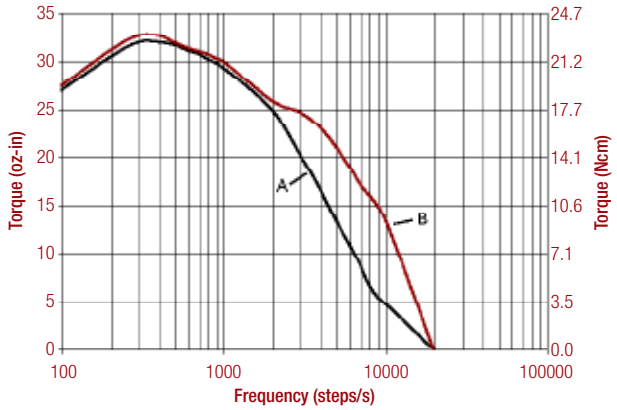




Specification	Units	HY 200 1718	
		0090	0230
Rated Phase Current	A	0.90	2.30
Phase Resistance	Ω	4.2	0.72
Phase Inductance	mH	5.8	0.83
Holding Torque Unipolar	oz-in	–	–
	Ncm	–	–
Holding Torque Bipolar	oz-in	41.1	41.1
	Ncm	29.0	29.0
Detent Torque	oz-in	6.4	6.4
	Ncm	4.5	4.5
Rotor Inertia	oz-in-s^{2}x10^{-4}	5.1	5.1
	g-cm^2	36	36
Motor Weight (Mass)	lb	0.7	0.7
	kg	0.3	0.3
Maximum Voltage	V	40	40
Std. No. of Leads	–	4	4

Performance

Motor Pull-Out Torque



A - 0090, Bipolar chopper, 36V, 0.9A/Phase
B - 0230, Bipolar chopper, 36V, 2.3A/Phase

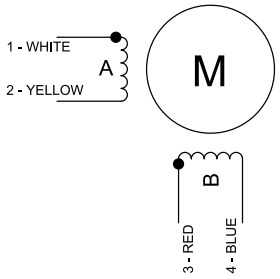
Standard Features

- Step angle: 1.8˚
- Step angle accuracy: 5%
- Insulation class: B (130˚C)
- NEMA 17 mounting configuration
- Additional windings and customization options available

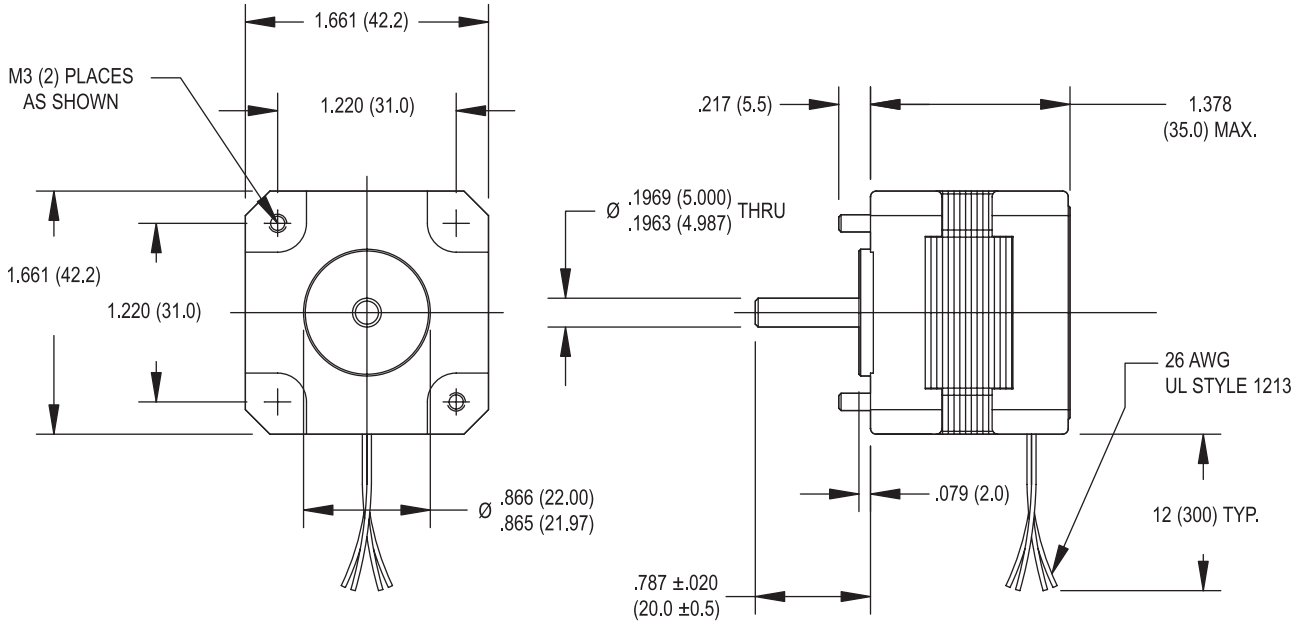
Complementary Products

- Gearboxes
- Encoders

Standard Leadwire Configuration



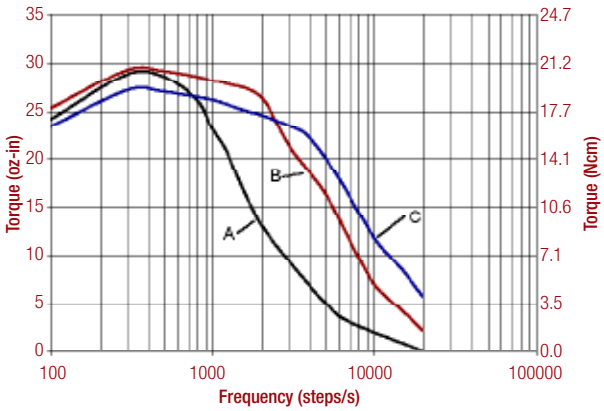
SIZE 17 HIGH PERFORMANCE STEPPER MOTOR DATA



Specification	Units	HS 200 1714		
		0033	0100	0150
Rated Phase Current	A	0.33	1.00	1.50
Phase Resistance	Ω	26.5	2.95	1.25
Phase Inductance	mH	38.8	4.45	1.80
Holding Torque Unipolar	oz-in	–	–	–
	Ncm	–	–	–
Holding Torque Bipolar	oz-in	37	37	37
	Ncm	26	26	26
Detent Torque	oz-in	2.3	2.3	2.3
	Ncm	1.6	1.6	1.6
Rotor Inertia	oz-in-s^{2}x10^{-4}	6.4	6.4	6.4
	g-cm^2	45	45	45
Motor Weight (Mass)	lb	0.51	0.51	0.51
	kg	0.23	0.23	0.23
Maximum Voltage	V	40	40	40
Std. No. of Leads	–	4	4	4

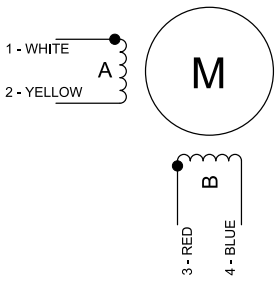
Performance

Motor Pull-Out Torque



A - 0033, Bipolar chopper, 35V, 0.33A/Phase, J_L=75 g cm^2
B - 0100, Bipolar chopper, 35V, 1.0A/Phase, J_L=75 g cm^2
C - 0150, Bipolar chopper, 35V, 1.5A/Phase, J_L=75 g cm^2

Standard Leadwire Configuration



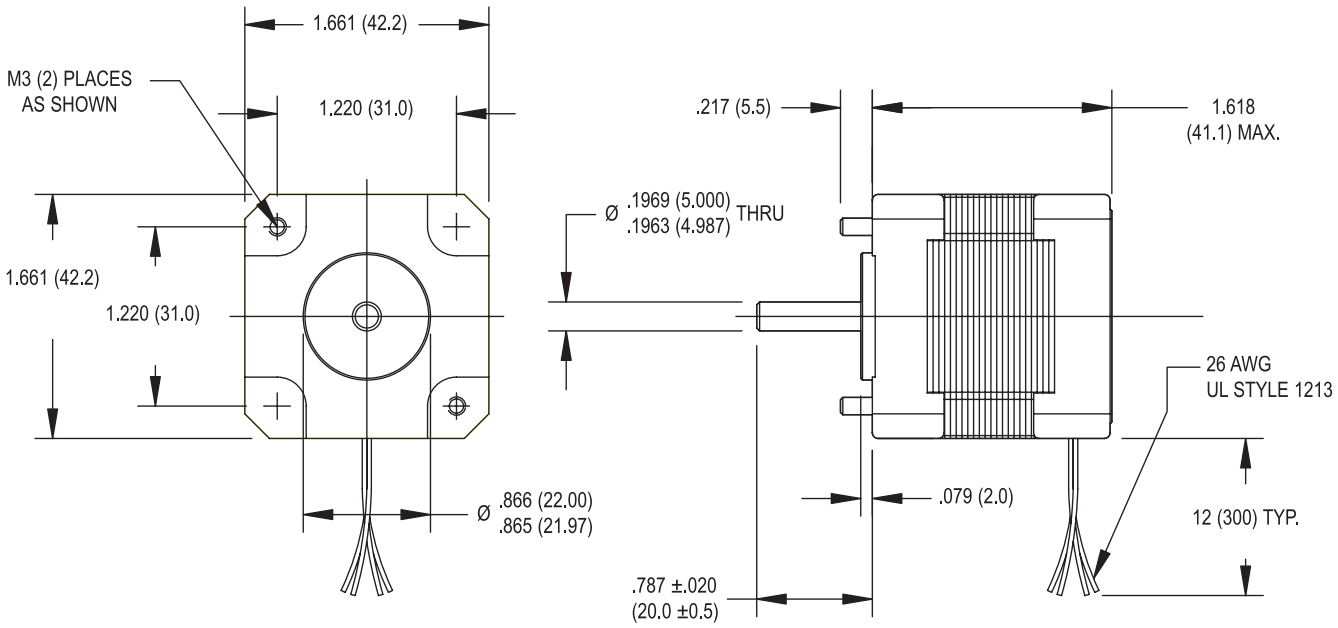
Standard Features

- Step angle: 1.8˚
- Step angle accuracy: 5%
- Insulation class: B (130˚C)
- Optimized for microstep operation
- NEMA 17 mounting configuration
- Additional windings and customization options available
- CE approval pending

Complementary Products

- Gearboxes
- Encoders

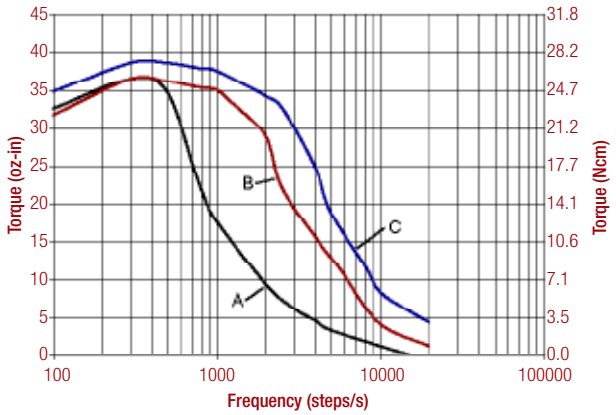
SIZE 17 HIGH PERFORMANCE STEPPER MOTOR DATA



Specification	Units	HS 200 1716		
		0033	0100	0150
Rated Phase Current	A	0.33	1.00	1.50
Phase Resistance	Ω	27.2	2.86	1.40
Phase Inductance	mH	66.7	6.74	3.25
Holding Torque Unipolar	oz-in	–	–	–
	Ncm	–	–	–
Holding Torque Bipolar	oz-in	47	47	47
	Ncm	33	33	33
Detent Torque	oz-in	2.3	2.3	2.3
	Ncm	1.6	1.6	1.6
Rotor Inertia	oz-in-s^{2}x10^{-4}	9.3	9.3	9.3
	g-cm^2	66	66	66
Motor Weight (Mass)	lb	0.66	0.66	0.66
	kg	0.30	0.30	0.30
Maximum Voltage	V	40	40	40
Std. No. of Leads	–	4	4	4

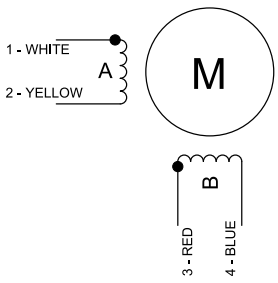
Performance

Motor Pull-Out Torque



A - 0033, Bipolar chopper, 35V, 0.33A/Phase, J_L=75 g cm^2
B - 0100, Bipolar chopper, 35V, 1.0A/Phase, J_L=75 g cm^2
C - 0150, Bipolar chopper, 35V, 1.5A/Phase, J_L=75 g cm^2

Standard Leadwire Configuration



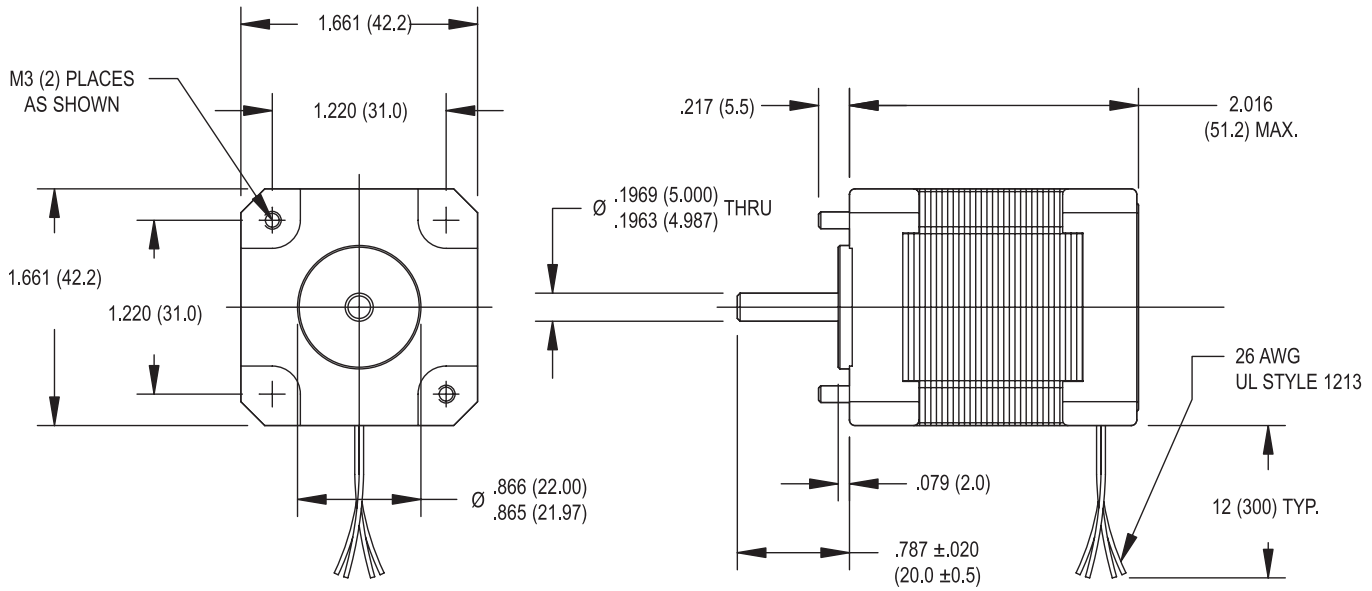
Standard Features

- Step angle: 1.8˚
- Step angle accuracy: 5%
- Insulation class: B (130˚C)
- Optimized for microstep operation
- NEMA 17 mounting configuration
- Additional windings and customization options available
- CE approval pending

Complementary Products

- Gearboxes
- Encoders

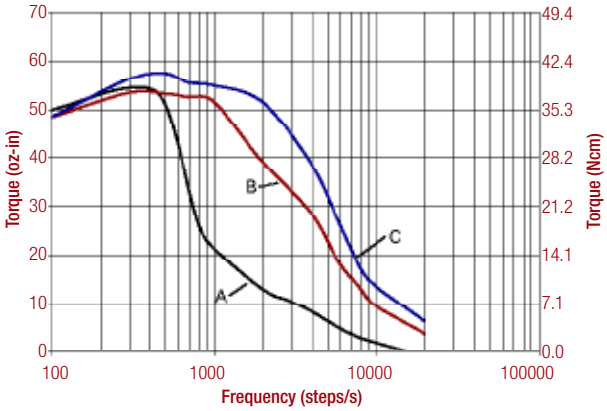
SIZE 17 HIGH PERFORMANCE STEPPER MOTOR DATA



Specification	Units	HS 200 1720		
		0033	0100	0150
Rated Phase Current	A	0.33	1.00	1.50
Phase Resistance	Ω	28.0	3.00	1.45
Phase Inductance	mH	50.0	5.50	2.90
Holding Torque Unipolar	oz-in	–	–	–
	Ncm	–	–	–
Holding Torque Bipolar	oz-in	71	71	71
	Ncm	50	50	50
Detent Torque	oz-in	3.5	3.5	3.5
	Ncm	2.5	2.5	2.5
Rotor Inertia	oz-in-s^{2}x10^{-4}	12.7	12.7	12.7
	g-cm^2	90	90	90
Motor Weight (Mass)	lb	0.84	0.84	0.84
	kg	0.38	0.38	0.38
Maximum Voltage	V	40	40	40
Std. No. of Leads	–	4	4	4

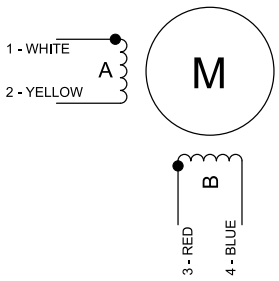
Performance

Motor Pull-Out Torque



A - 0033, Bipolar chopper, 35V, 0.33A/Phase, J_L=75 g cm^2
B - 0100, Bipolar chopper, 35V, 1.0A/Phase, J_L=75 g cm^2
C - 0150, Bipolar chopper, 35V, 1.5A/Phase, J_L=75 g cm^2

Standard Leadwire Configuration



Standard Features

- Step angle: 1.8˚
- Step angle accuracy: 5%
- Insulation class: B (130˚C)
- Optimized for microstep operation
- NEMA 17 mounting configuration
- Additional windings and customization options available
- CE approval pending

Complementary Products

- Gearboxes
- Encoders