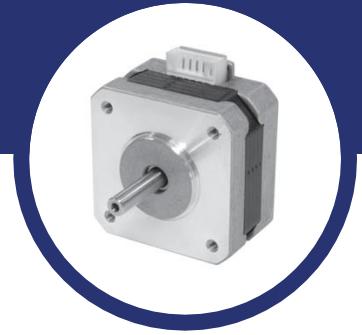


NEMA 17 Standard Hybrid Stepper Motor



Key Features

- High Torque
- Low Noise
- Small Size
- Step angle: 1.8°

General Specifications

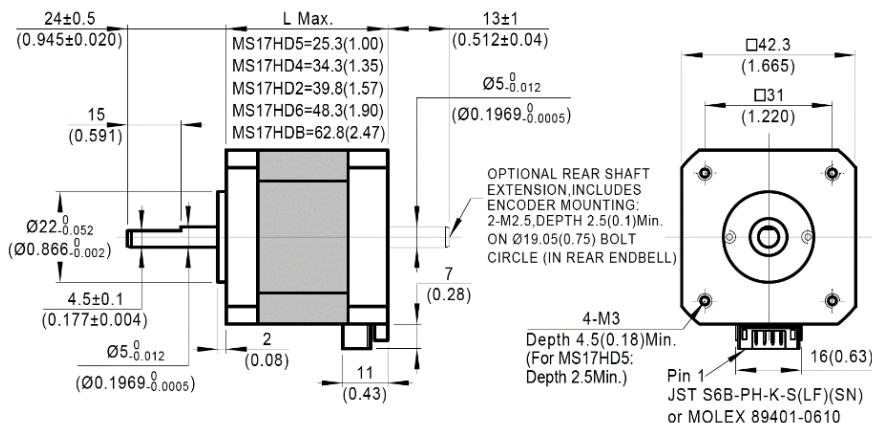
- Bi-polar

Part Number	Length (mm)	Connect P=Plug L=Leads	Holding Torque (mNm)	Resistance per Phase (Ω)	Inductance per Phase (mH)	Detent Torque (mNm)
MS17HD5P4027	25.3	P	200	44	53	5
MS17HD5P4070	25.3	P	210	6.5	8.8	5
MS17HD5P4100	25.3	P	210	3.2	4.3	5
MS17HD5P4150	25.3	P	200	1.31	1.66	5
MS17HD4P4040	34.3	P	340	30	51	12
MS17HD4P4040-M	34.3	P	340	30	51	12
MS17HD4P4065	34.3	P	320	8.7	15.4	12
MS17HD4P4065-M	34.3	P	320	8.7	15.4	12
MS17HD4P4100	34.3	P	330	4.2	7.5	12
MS17HD4P4100-M	34.3	P	330	4.2	7.5	12
MS17HD4P4150	34.3	P	332	1.7	2.9	12
MS17HD4P4150-M	34.3	P	332	1.7	2.9	15
MS17HD2P4040	39.8	P	480	24	56	15

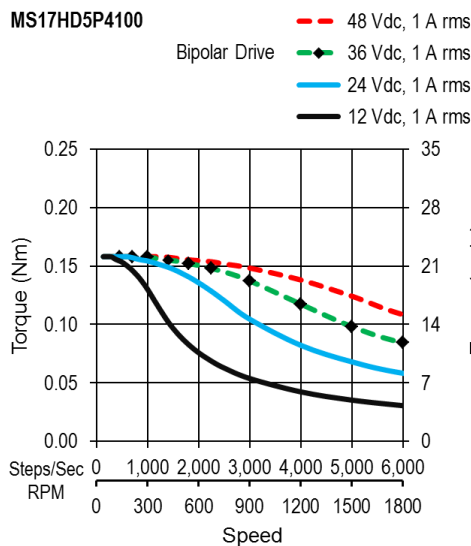
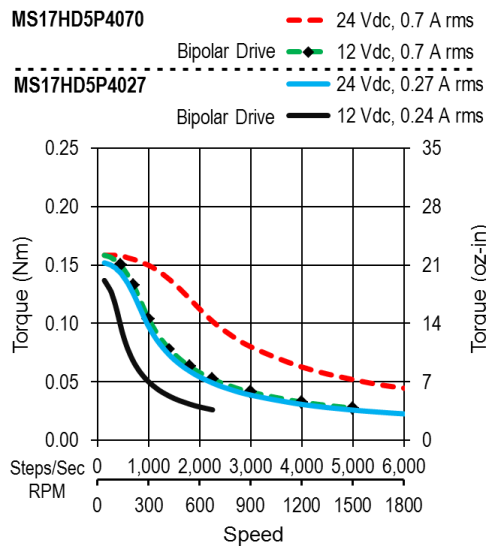
MS17HD2P4040-M	39.8	P	480	24	56	15
MS17HD2P4100	39.8	P	480	3.9	8.9	15
MS17HD2P4100-M	39.8	P	480	3.9	8.9	15
MS17HD2P4150	39.8	P	500	1.98	43	15
MS17HD2P4150-M	39.8	P	500	1.98	43	15
MS17HD2P4200	39.8	P	480	1.04	2.2	15
MS17HD2P4200-M	39.8	P	480	1.04	2.2	15
MS17HD6P4050	48.3	P	670	24	53	25
MS17HD6P4050-M	48.3	P	670	24	53	25
MS17HD6P4100	48.3	P	630	4.9	11.5	25
MS17HD6P4100-M	48.3	P	630	4.9	11.5	25
MS17HD6P4150	48.3	P	620	2.2	4.9	25
MS17HD6P4150-M	48.3	P	620	2.2	4.9	25
MS17HD6P4200	48.3	P	630	1.3	2.9	25
MS17HD6P4200-M	48.3	P	630	1.3	2.9	25
MS17HDBP4100	62.8	P	820	5.6	14.6	30
MS17HDBP4100-M	62.8	P	820	5.6	14.6	30
MS17HDBP4150	62.8	P	880	3	7.7	30
MS17HDBP4150-M	62.8	P	880	3	7.7	30
MS17HDBP4200	62.8	P	830	1.49	3.8	30
MS17HDBP4200-M	62.8	P	830	1.49	3.8	30

Mechanical Dimensions

Series	L (mm)	Mass (kg)
MS17HD5	25.3	0.15
MS17HD4	34.3	0.21
MS17HD2	39.8	0.28
MS17HD6	48.3	0.36
MS17HDB	62.8	0.6

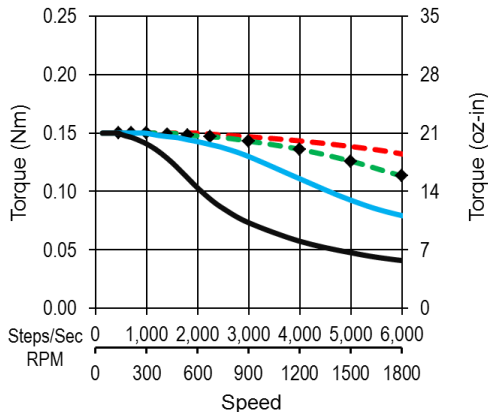


Dynamic Torque Curves



MS17HD5P4150

- 48 Vdc, 1.5 A rms
- Bipolar Drive ◆ 36 Vdc, 1.5 A rms
- 24 Vdc, 1.5 A rms
- 12 Vdc, 1.5 A rms

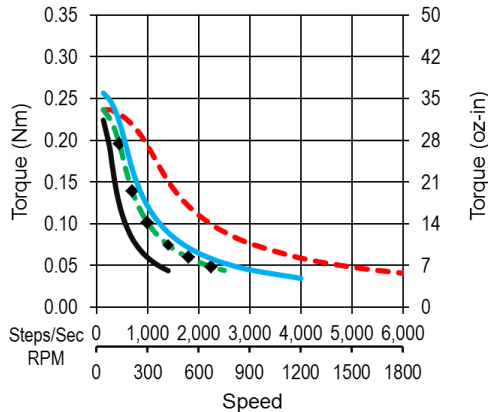


MS17HD4P4065

- 24 Vdc, 0.65 A rms
- Bipolar Drive ◆ 12 Vdc, 0.65 A rms
- 24 Vdc, 0.4 A rms

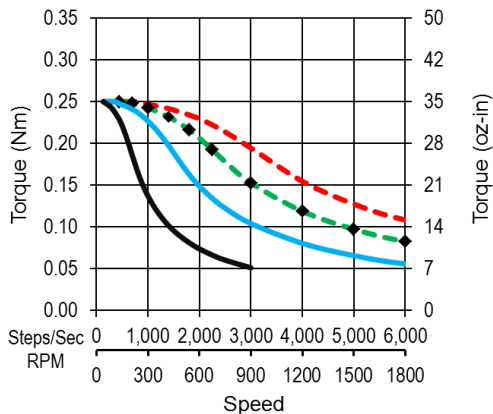
MS17HD4P4040

- Bipolar Drive ◆ 12 Vdc, 0.35 A rms
- 12 Vdc, 0.35 A rms



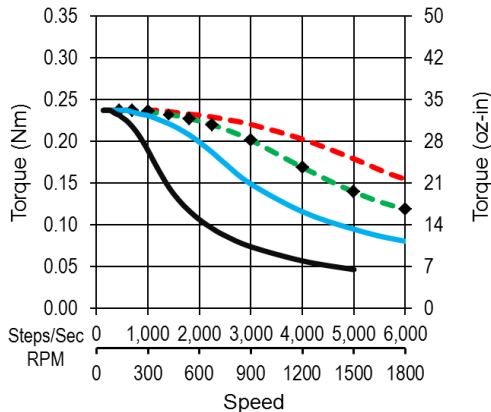
MS17HD4P4100

- 48 Vdc, 1 A rms
- Bipolar Drive ◆ 36 Vdc, 1 A rms
- 24 Vdc, 1 A rms
- 12 Vdc, 1 A rms



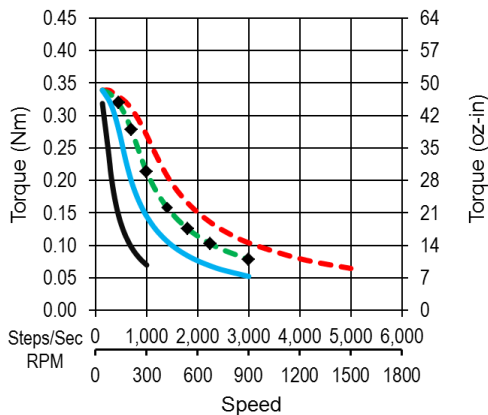
MS17HD4P4150

- 48 Vdc, 1.5 A rms
- Bipolar Drive ◆ 36 Vdc, 1.5 A rms
- 24 Vdc, 1.5 A rms
- 12 Vdc, 1.5 A rms



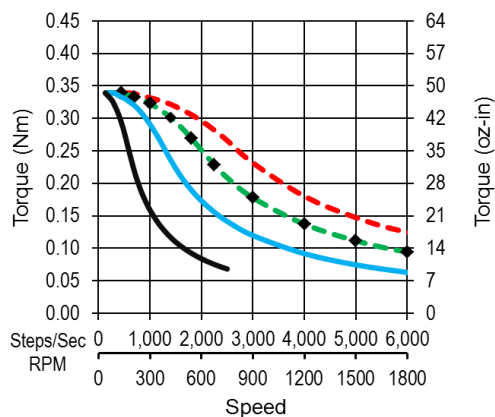
MS17HD2P4040

-- 48 Vdc, 0.4 A rms
 Bipolar Drive --◆-- 36 Vdc, 0.4 A rms
-- 24 Vdc, 0.4 A rms
-- 12 Vdc, 0.4 A rms



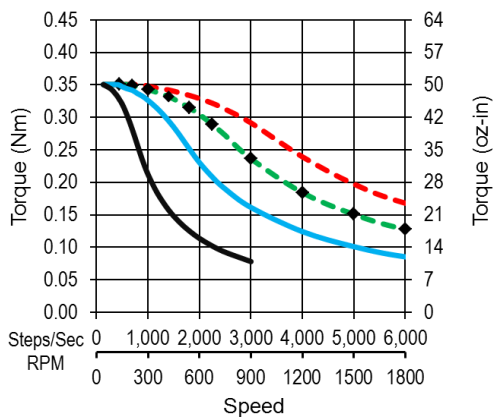
MS17HD2P4100

-- 48 Vdc, 1 A rms
 Bipolar Drive --◆-- 36 Vdc, 1 A rms
-- 24 Vdc, 1 A rms
-- 12 Vdc, 1 A rms



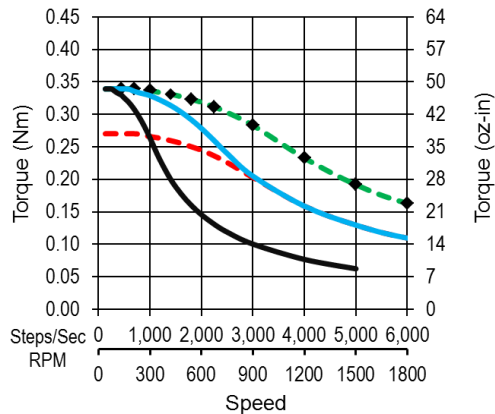
MS17HD2P4150

-- 48 Vdc, 1.5 A rms
 Bipolar Drive --◆-- 36 Vdc, 1.5 A rms
-- 24 Vdc, 1.5 A rms
-- 12 Vdc, 1.5 A rms



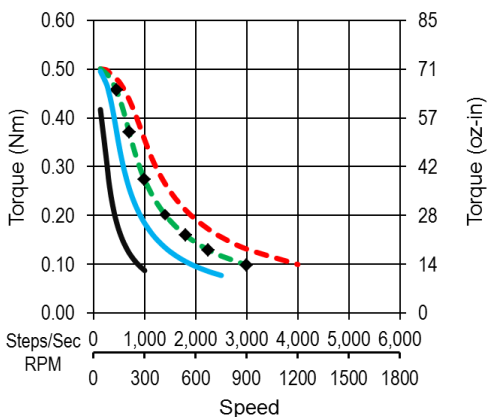
MS17HD2P4200

-- 24 Vdc, 1.5 A rms
 Bipolar Drive --◆-- 36 Vdc, 2 A rms
-- 24 Vdc, 2 A rms
-- 12 Vdc, 2 A rms



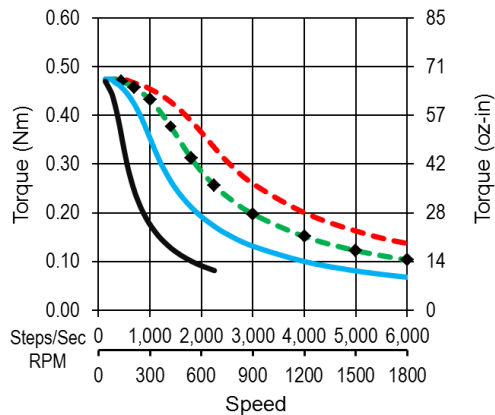
MS17HD6P4050

- 48 Vdc, 0.5 A rms
- Bipolar Drive ◆ 36 Vdc, 0.5 A rms
- 24 Vdc, 0.5 A rms
- 12 Vdc, 0.43 A rms



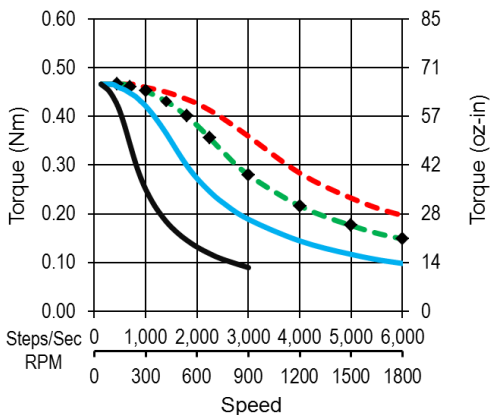
MS17HD6P4100

- 48 Vdc, 1 A rms
- Bipolar Drive ◆ 36 Vdc, 1 A rms
- 24 Vdc, 1 A rms
- 12 Vdc, 1 A rms



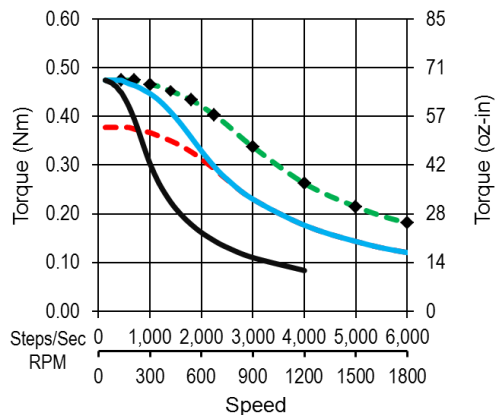
MS17HD6P4150

- 48 Vdc, 1.5 A rms
- Bipolar Drive ◆ 36 Vdc, 1.5 A rms
- 24 Vdc, 1.5 A rms
- 12 Vdc, 1.5 A rms

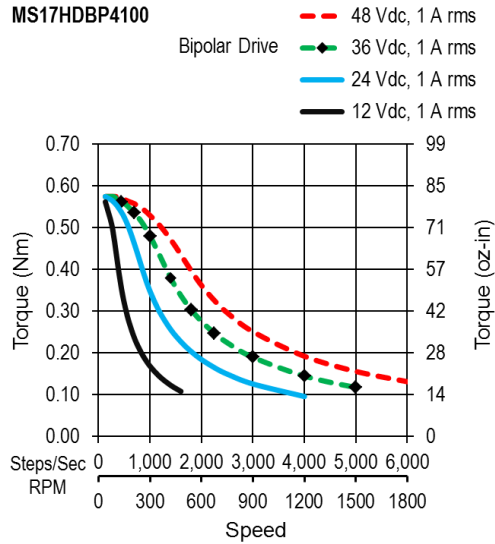


MS17HD6P4200

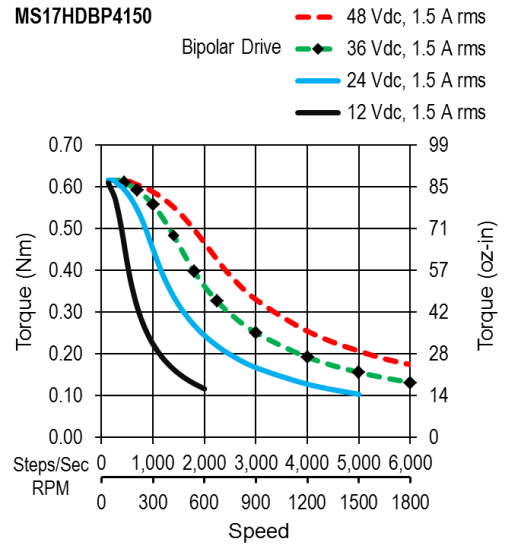
- 48 Vdc, 1.5 A rms
- Bipolar Drive ◆ 36 Vdc, 2 A rms
- 24 Vdc, 2 A rms
- 12 Vdc, 2 A rms



MS17HDBP4100



MS17HDBP4150



MS17HDBP4200

