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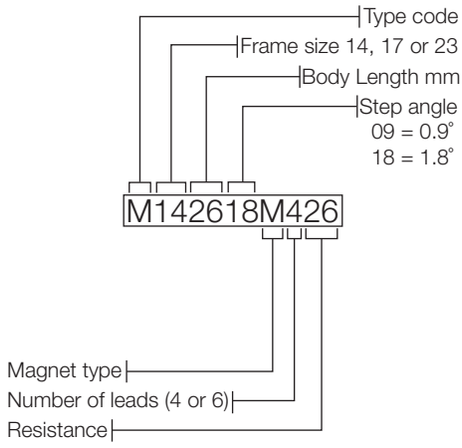
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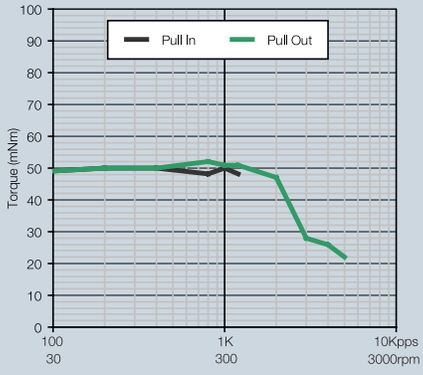
Permanent Magnet and Hybrid Stepping Motors and Drives

Bipolar Hybrid Stepping Motor Schedule

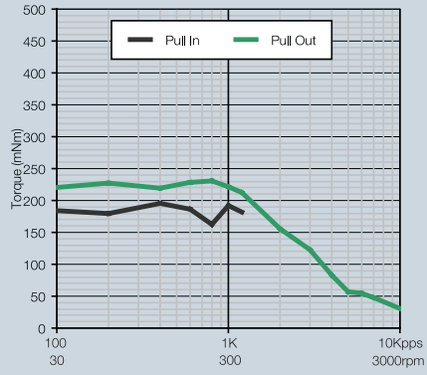


Model Number	Step Angle	Phase Voltage V	Phase Current A	Phase Resistance Ω	Phase Inductance mH	Holding Torque mNm	Rotor Inertia kgm^2x10^{-6}	Detent Torque mNm	Weight g
Bipolar									
				Frame size 14					
M142418M426	1.8°	7.4	0.3	26	19	65	1.1	5	150
				Frame size 17					
M173118K45.0	1.8°	4.3	0.9	5	11	255	3.4	8	200
M173118K430	1.8°	10.0	0.3	30	36	208	3.4	8	200
M173118K488	1.8°	17.0	0.2	88	120	188	3.4	5	200
M174218K46	1.8°	5.6	0.9	7	18	320	5.6	10	300
M174518K415	1.8°	8.6	0.6	15	28	540	7.5	20	320
				Frame size 23					
M234118C42.4	1.8°	3.3	1.4	2	5	500	5.5	50	360
M234118C464	1.8°	17.0	0.3	64	160	500	5.5	30	360
M235018C464	1.8°	17.0	0.3	64	140	710	11.0	50	450
M235418K46.8	1.8°	7.2	1.1	7	26	799	28.0	35	680
M235718C440	1.8°	17.0	0.4	40	168	880	16.0	45	560
M237618K48.4	1.8°	8.9	1.1	8	32	1650	44.0	59	1050

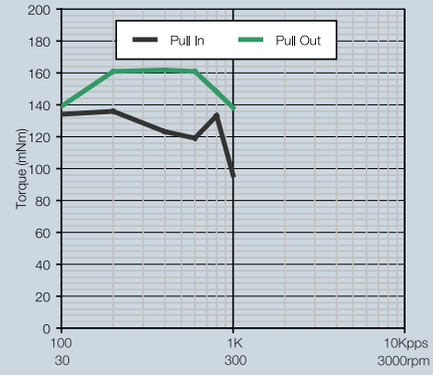
M142618M426
Full step bipolar drive @ 30V & nominal phase current. Load Inertia: $0.124x10^{-6}$ kgm^2

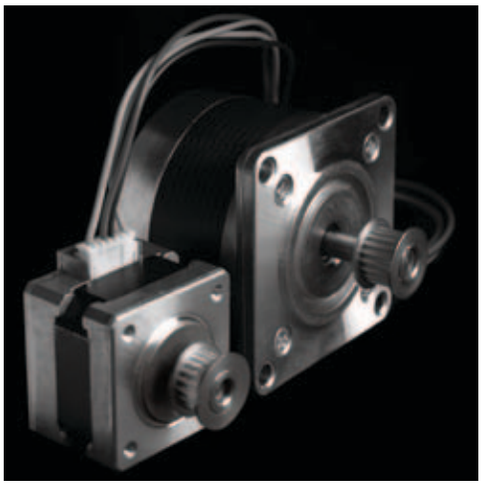


M173118K45.0
Full step bipolar drive @ 30V & nominal phase current. Load Inertia: $9.7x10^{-6}$ kgm^2



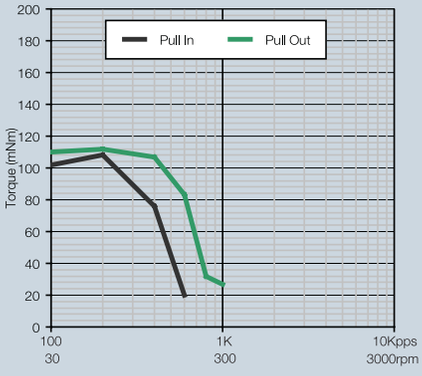
M173118K430
Full step bipolar drive @ 30V & nominal phase current. Load Inertia: $0.124x10^{-6}$ kgm^2



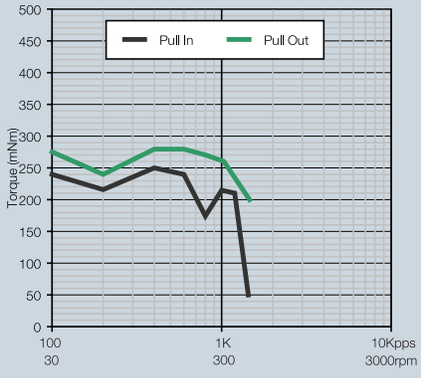


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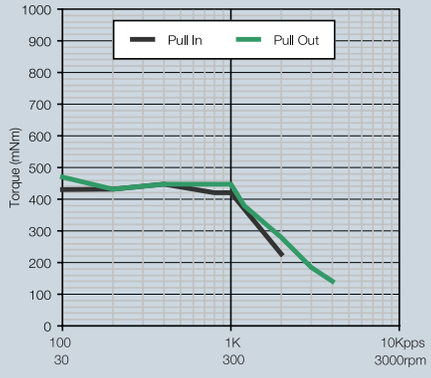
M173118K488
Full step bipolar drive @ 30V & nominal phase current. Load Inertia: 9.7x10^{-6} kgm^2



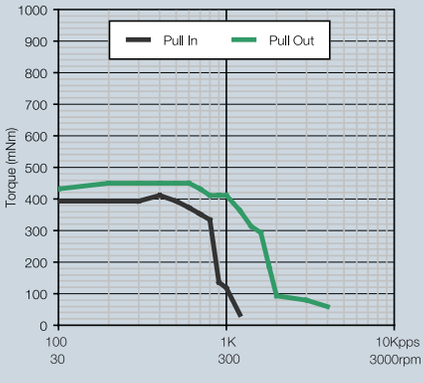
M174218K46
Full step bipolar drive @ 30V & nominal phase current. Load Inertia: 9.7x10^{-6} kgm^2



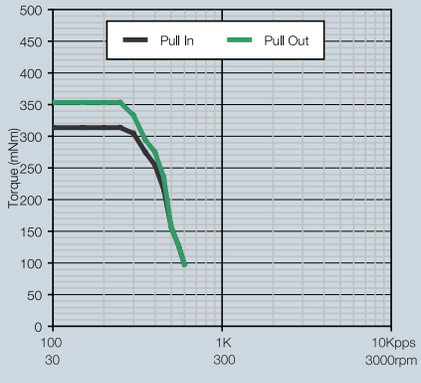
M174518K415
Full step bipolar drive @ 30V & nominal phase current. Load Inertia: 9.7x10^{-6} kgm^2



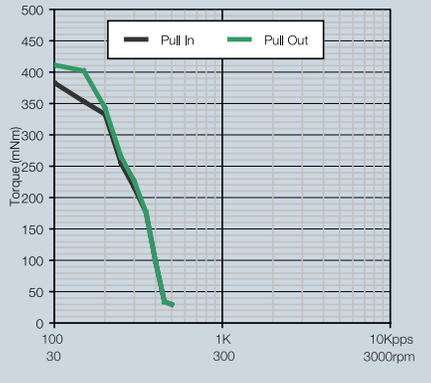
M234118C42.4
Full step bipolar drive @ 40V & nominal phase current. Load Inertia: 103.3x10^{-6} kgm^2



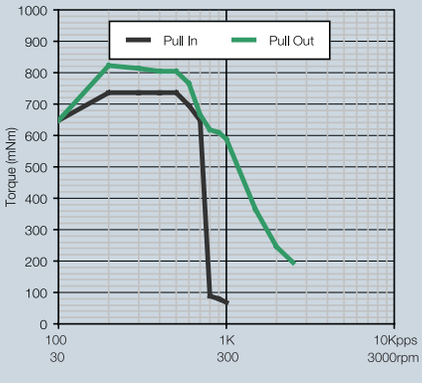
M234118C464
Full step bipolar drive @ 40V & nominal phase current. Load Inertia: 9.7x10^{-6} kgm^2



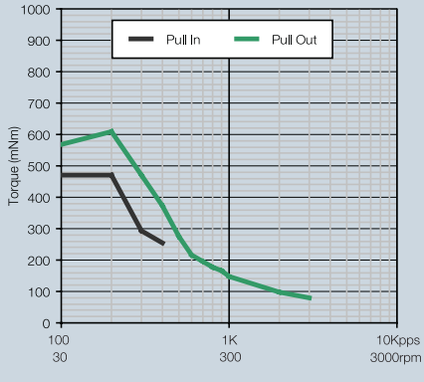
M235018C464
Full step bipolar drive @ 40V & nominal phase current. Load Inertia: 9.7x10^{-6} kgm^2



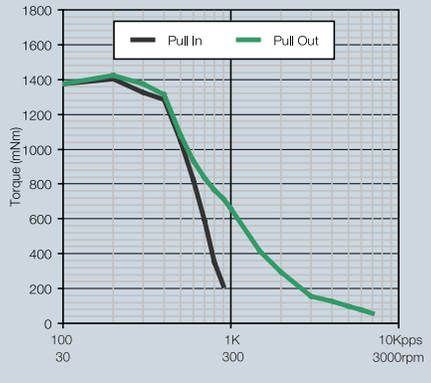
M235418K46.8
Full step bipolar drive @ 40V & nominal phase current. Load Inertia: 103.3x10^{-6} kgm^2



M235718C440
Full step bipolar drive @ 40V & nominal phase current. Load Inertia: 103.3x10^{-6} kgm^2



M237618K48.4
Full step bipolar drive @ 40V & nominal phase current. Load Inertia: 103.3x10^{-6} kgm^2



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