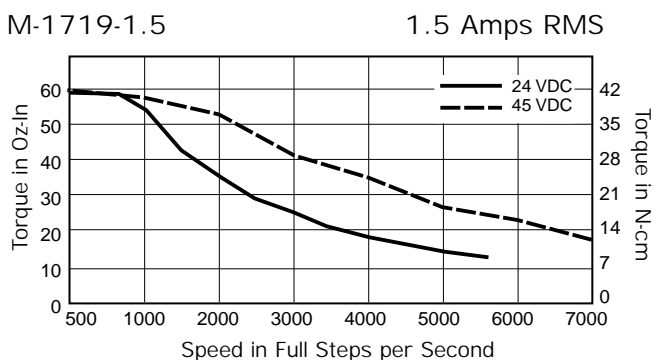
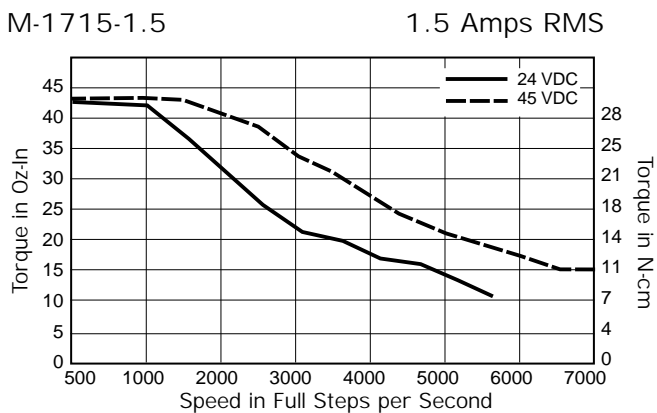
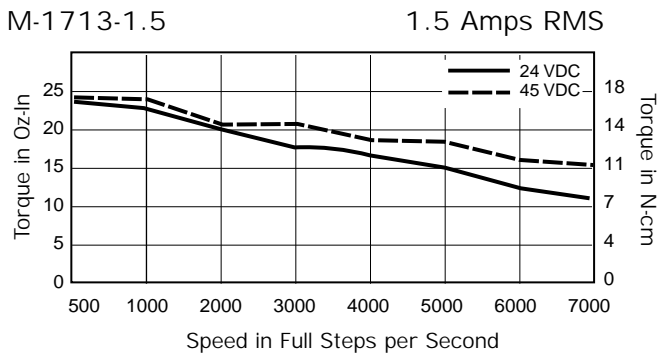


# Stepping Motors

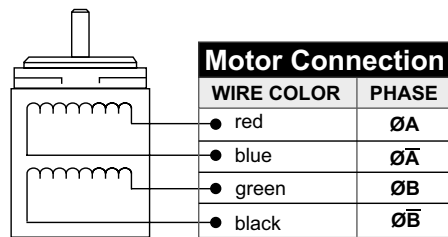
## ENHANCED SIZE 17 1.8° HYBRID STEPPING MOTORS

Specifications S=Single Shaft (D=Double Shaft)	Holding Torque oz-in (N-cm)	Phase Current Amps	Number of Leads	Phase Resistance Ohms	Phase Inductance mH	Detent Torque oz-in (N-cm)	Rotor Inertia oz-in-sec <sup>2</sup> (kg-cm <sup>2</sup> )	L <sub>MAX</sub> Length inches (cm)	Weight oz (gm)
M-1713-1.5S (D)	32 (23)	1.5	4	1.3	2.1	1.7 (1.2)	0.000538 (0.038)	1.34 (3.4)	7.4 (210)
M-1715-1.5S (D)	60 (42)	1.5	4	2.1	5.0	2.1 (1.5)	0.0008037 (0.057)	1.57 (4.0)	8.1 (230)
M-1719-1.5S (D)	75 (53)	1.5	4	2.0	3.85	3.5 (2.5)	0.0011562 (0.082)	1.89 (4.8)	12.7 (360)

### TORQUE SPEED CURVES



### CONNECTION



### MECHANICAL

