

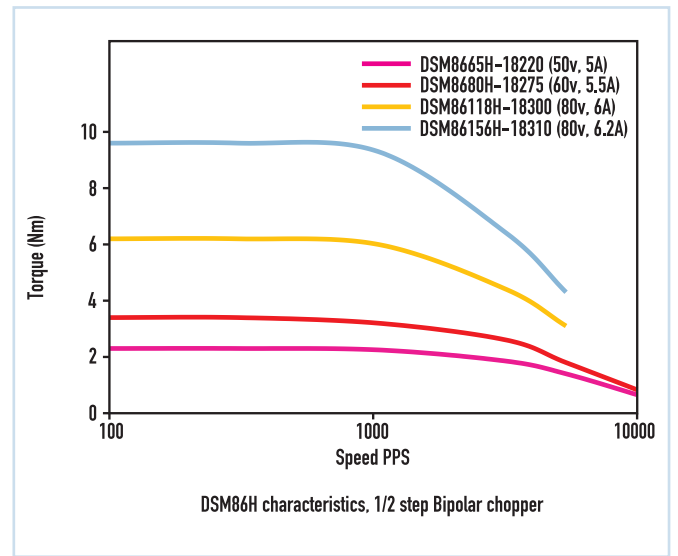
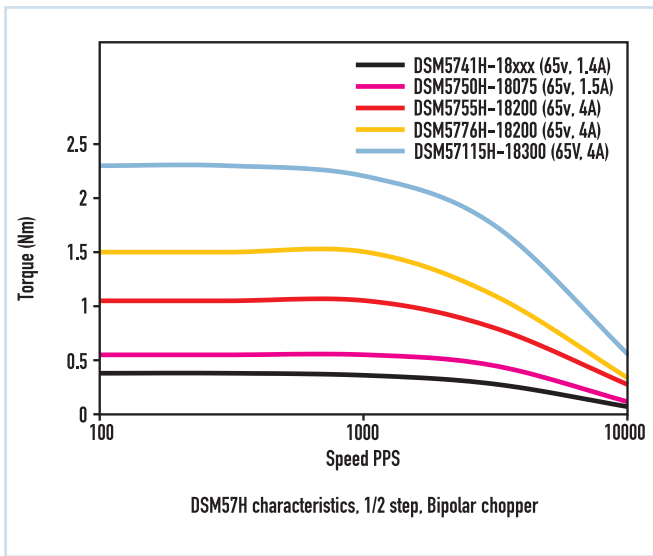
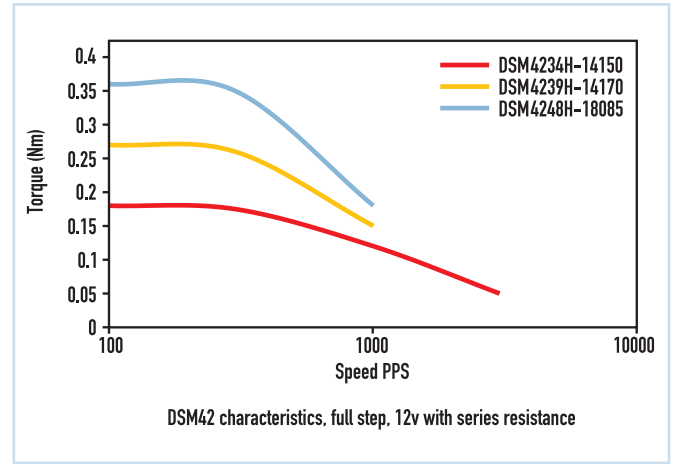
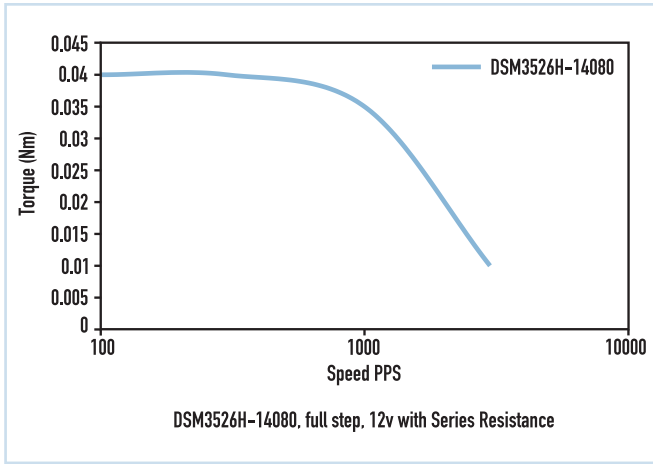
[Coil parameters for DSMH Series Motors]

●●● DSMH Series Motor Specifications

Insulation Resistance	>100MΩ at 500VDC
Dielectric Strength	500VAC for 1 minute
Step Angle	1.8° +/-5%

Part Number	Coil Resistance (Ω)	Coil Inductance (mH)	Nominal Current (A)	Holding Torque (Nm)	Detent Torque (Nm)	Rotor Inertia (x10 ⁻⁶ kgm ²)	Mass (kg)	Leadwires
DSM2030H-14060	6.5	1.7	0.6	0.018			0.06	450mm 28AWG
DSM2033H-14060	6.5	1.7	0.6	0.018			0.06	450mm 28AWG
DSM2832H-16065	2.8	1	0.65	0.058		0.9	0.11	300mm 26AWG
DSM2845H-16065	3.4	1.2	0.65	0.09		1.2	0.14	300mm 26AWG
DSM2851H-16065	4.6	1.4	0.65	0.11		1.8	0.2	300mm 26AWG
DSM3526H-14080	4	2.3	0.8	0.051		1	0.15	300mm 26AWG
DSM3526H-16040	4	2.3	0.4	0.055		1	0.15	300mm 26AWG
DSM4234H-x4040	30	32	0.4	0.25	0.02	2.4	0.2	400mm 26AWG
DSM4234H-x4150	1.3	1.3	1.5	0.21	0.02	2.4	0.2	400mm 26AWG
DSM4239H-x4170	1.5	3.2	1.7	0.44	0.022	3.2	0.24	400mm 26AWG
DSM4248H-x8085	3	2.3	0.85	0.48	0.028	4.0	0.29	400mm 26AWG
DSM5741H-x8070	5	35	0.7	0.55	0.025	12	0.5	500mm 22/24AWG
DSM5750H-x8075	5	30	0.75	0.8	0.03	15	0.65	500mm 22/24AWG
DSM5755H-x8200	0.7	3	2	1.15	0.04	28	0.75	500mm 22/24AWG
DSM5776H-x8100	4.0	12	1	1.85	0.08	44	1.15	500mm 22/24AWG
DSM5776H-x8200	1.0	4	2	1.85	0.08	44	1.15	500mm 22/24AWG
DSM57115H-18300	0.7	2	3	2.7	0.15	69	1.75	500mm 22/24AWG
DSM8665H-18220	1.5	4.1	2.2	2.9		100	2.0	300mm 22/24AWG
DSM8680H-18275	0.95	4.0	2.75	4.5		140	2.3	300mm 22/24AWG
DSM86118H-18300	1.4	7.4	3.0	8.5		270	3.8	300mm 22/24AWG
DSM86156H-18310	1.7	9.7	3.1	12		400	5.4	300mm 22/24AWG
DSM11099H-18275	0.9	12.5	2.75	11.5		550	5.	500mm 20AWG
DSM110150H-18325	0.72	12.8	3.25	21		1090	8.4	500mm 20AWG

[Performance curves for DSMH Series Motors]



●●● P/N Constructi on and Interpretati on

Part Numbers for the DSMH Series of stepping motors are composed as follows:

DSM	57	55	H	1	8	042
DC Stepping Motor	Frame size (mm)	Frame length (mm)	High Torque	Shaft: 0=No shaft extension(hollow sht) 1=Single shaft front end 2=Double shaft 3=Single shaft rear end	Number of Leads	Nominal current