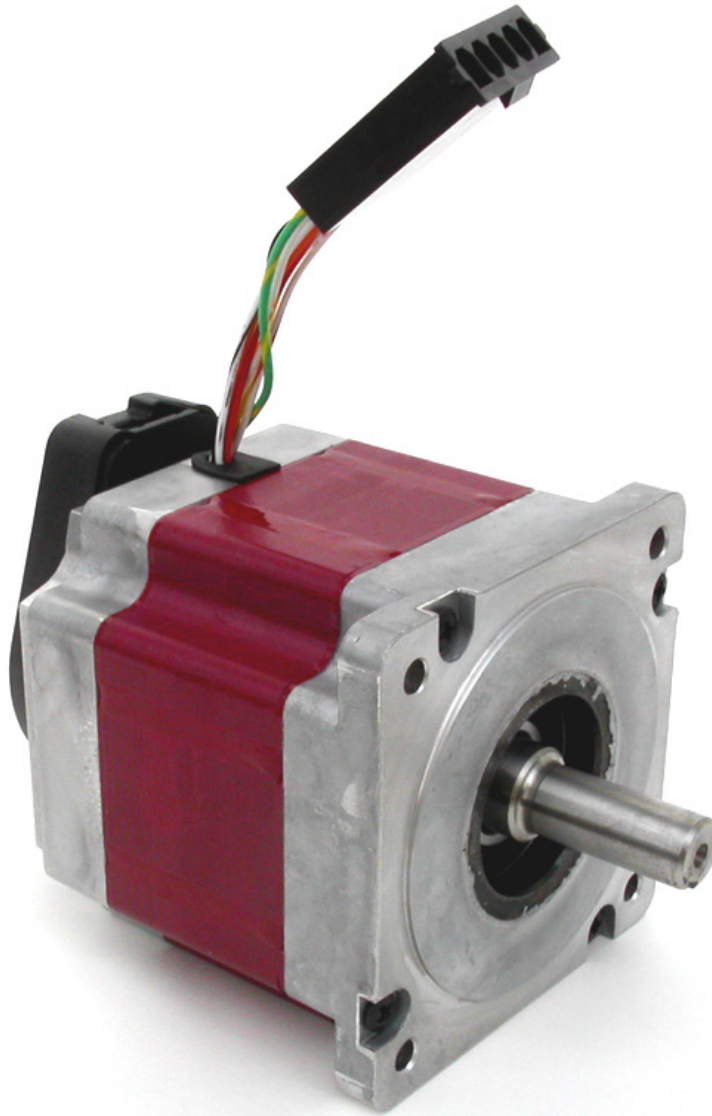


34 Frame M-Grade Motor Series Datasheet



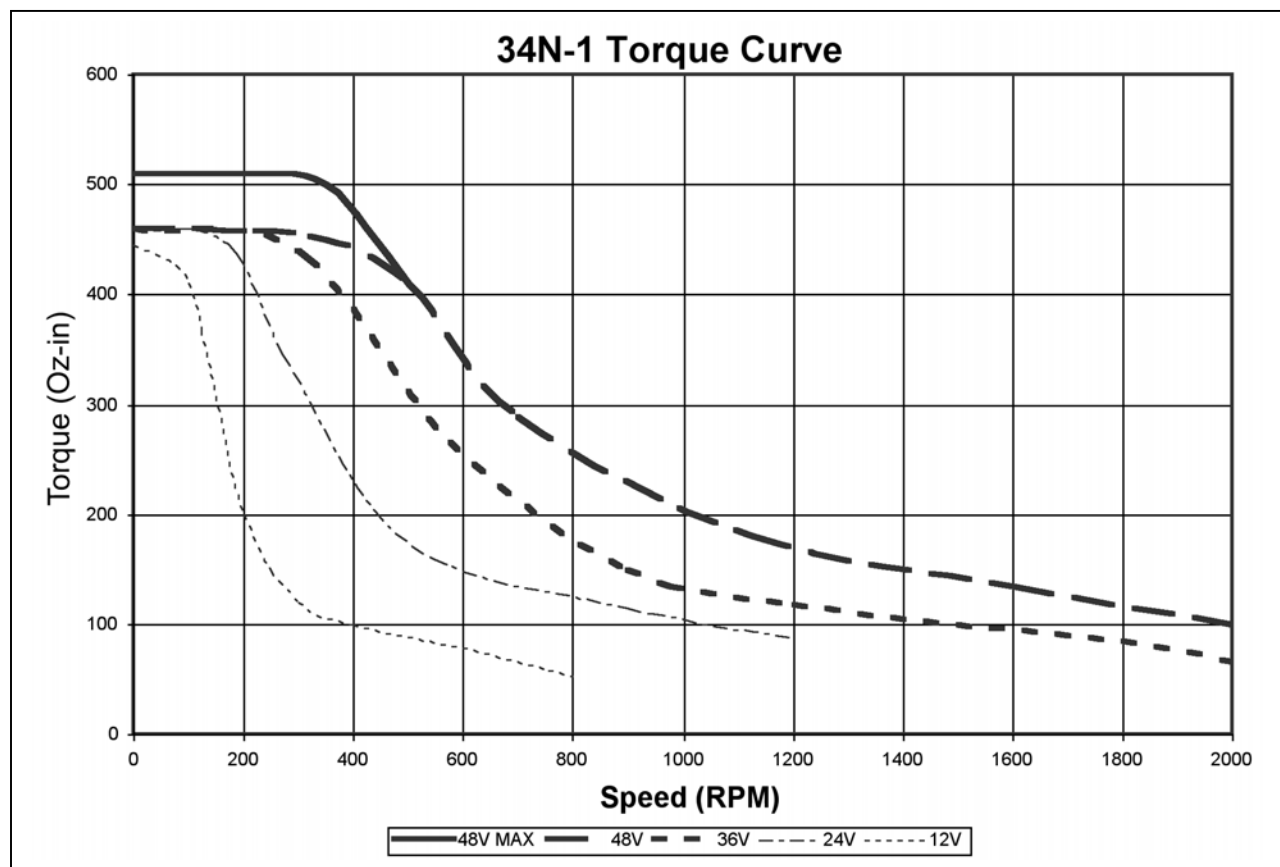
QuickSilver Controls, Inc.
www.QuickSilverControls.com

General Motor specifications

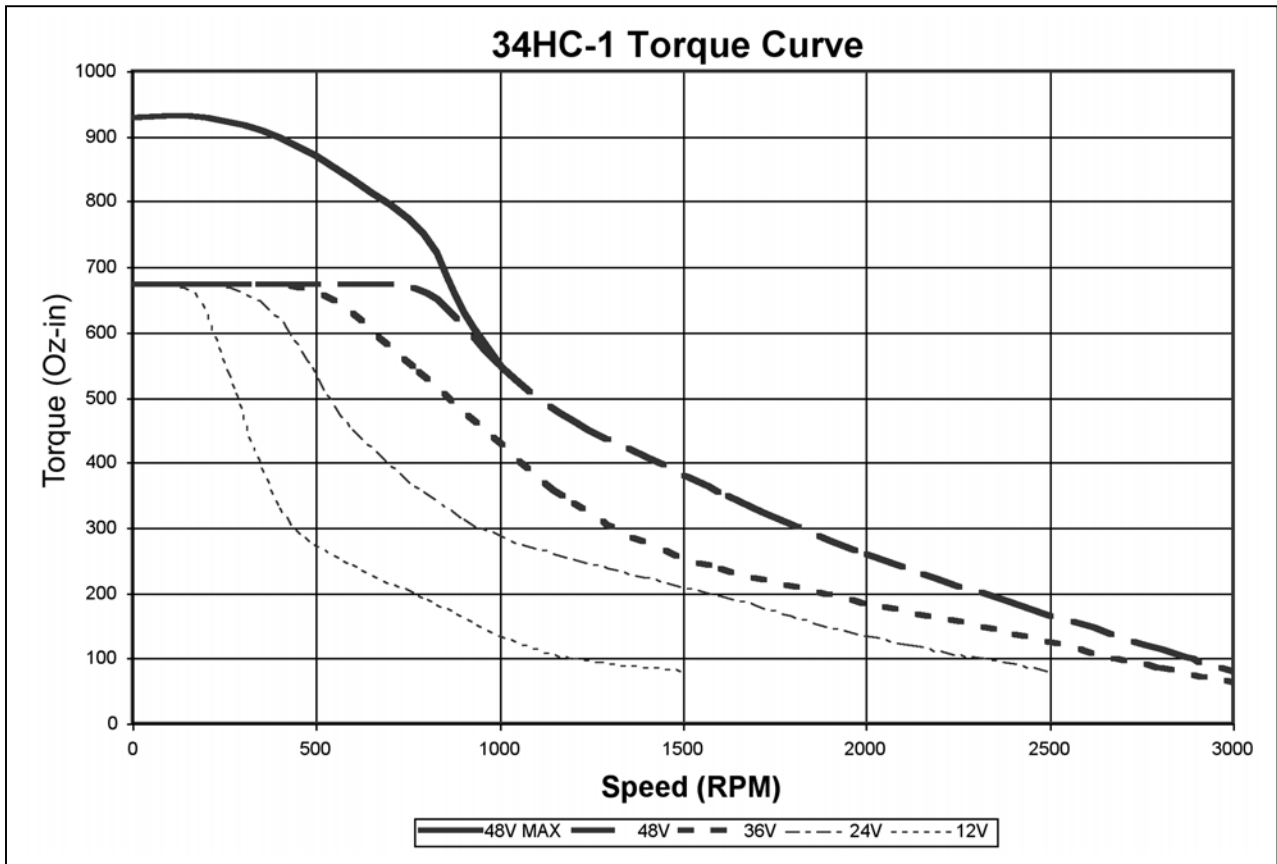
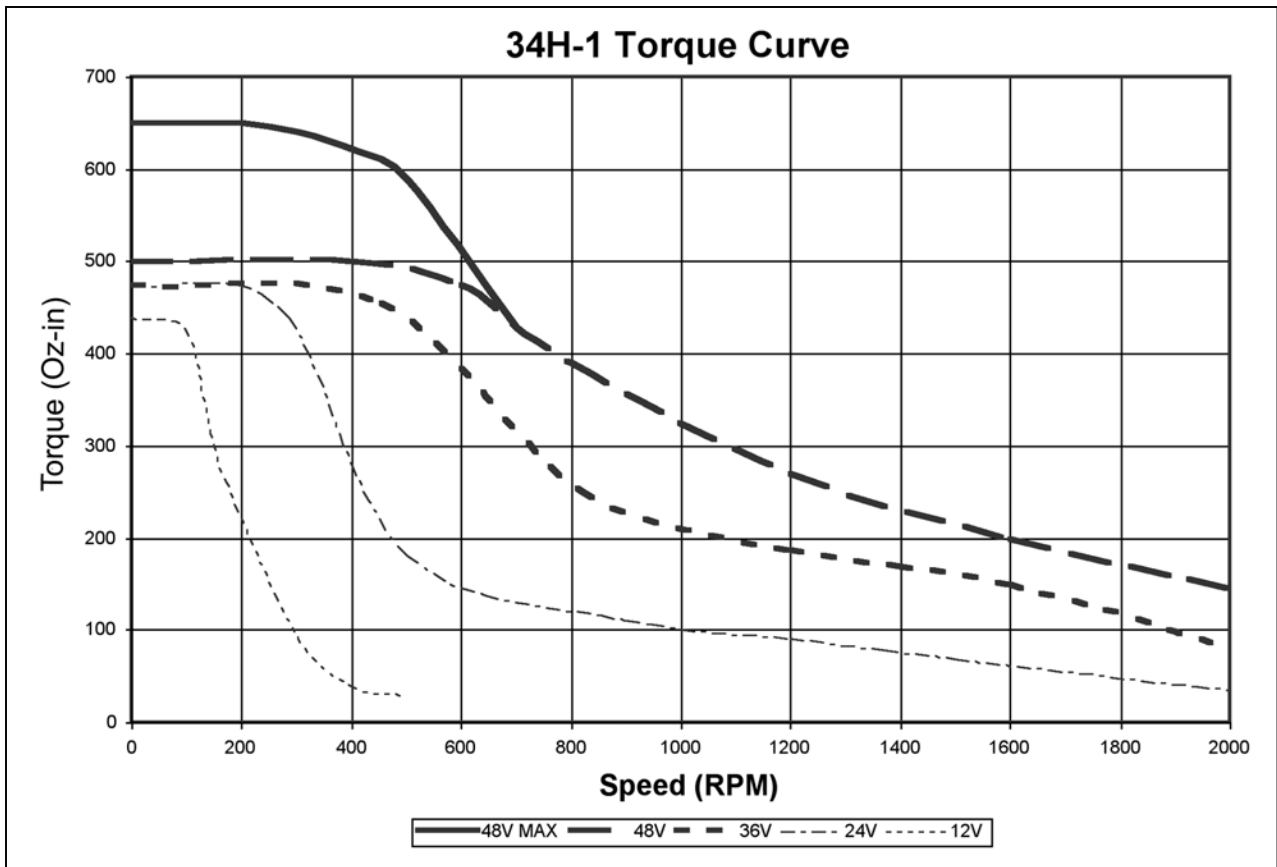
Note: Motor specifications are only true when the M-Grade Motors are used in conjunction with QuickSilver's Controller / Driver Systems such as the SilverNugget™.

Motor Specifications	34N-1	34H-1	34HC-1	34HC-2	34HC-3	34HC-4
Maximum Speed (RPM)	2000	2000	3000	2500	2000	1500
Optimal Speed (RPM)	800	800	1600	1600	1000	800
Torque at Optimal Speed (RPM) *	275	390	350	390	770	990
Continuous Stall Torque (oz-in) *	460	500	675	1300	1950	2550
Peak Power (Mech. Watts)	170	260	440	565	580	515
Rotor Inertia (oz-in ²)	7.8	7.8	7.8	14.7	21.9	29.0
Maximum Current (amps)	6.0	8.0	13.5	16.5	16	14.5
Shaft Diameter	.500	.500	.500	.500	.625	.625

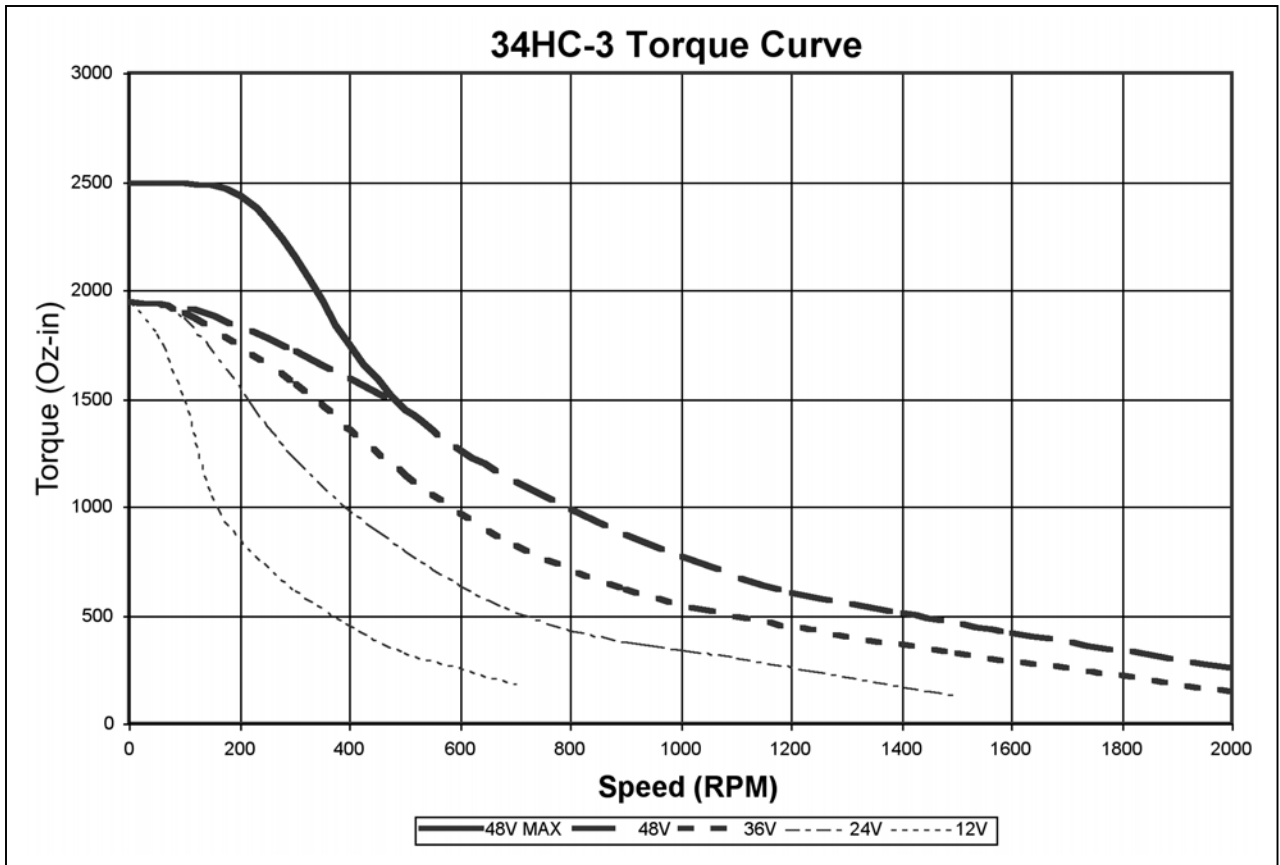
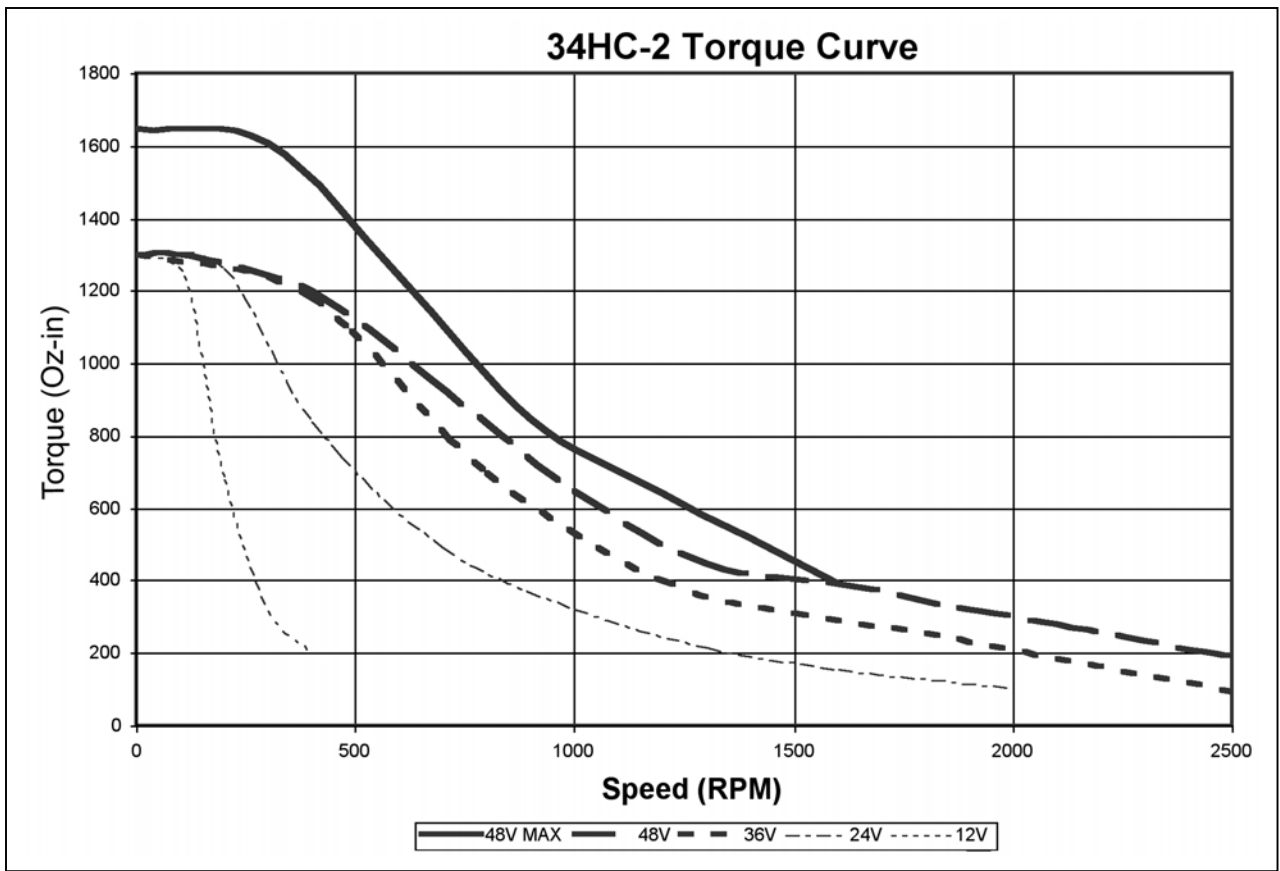
Note: These torque curves are only true when the M-Grade Motors are used in conjunction with QuickSilver's Controller / Driver Systems such as the SilverNugget™.



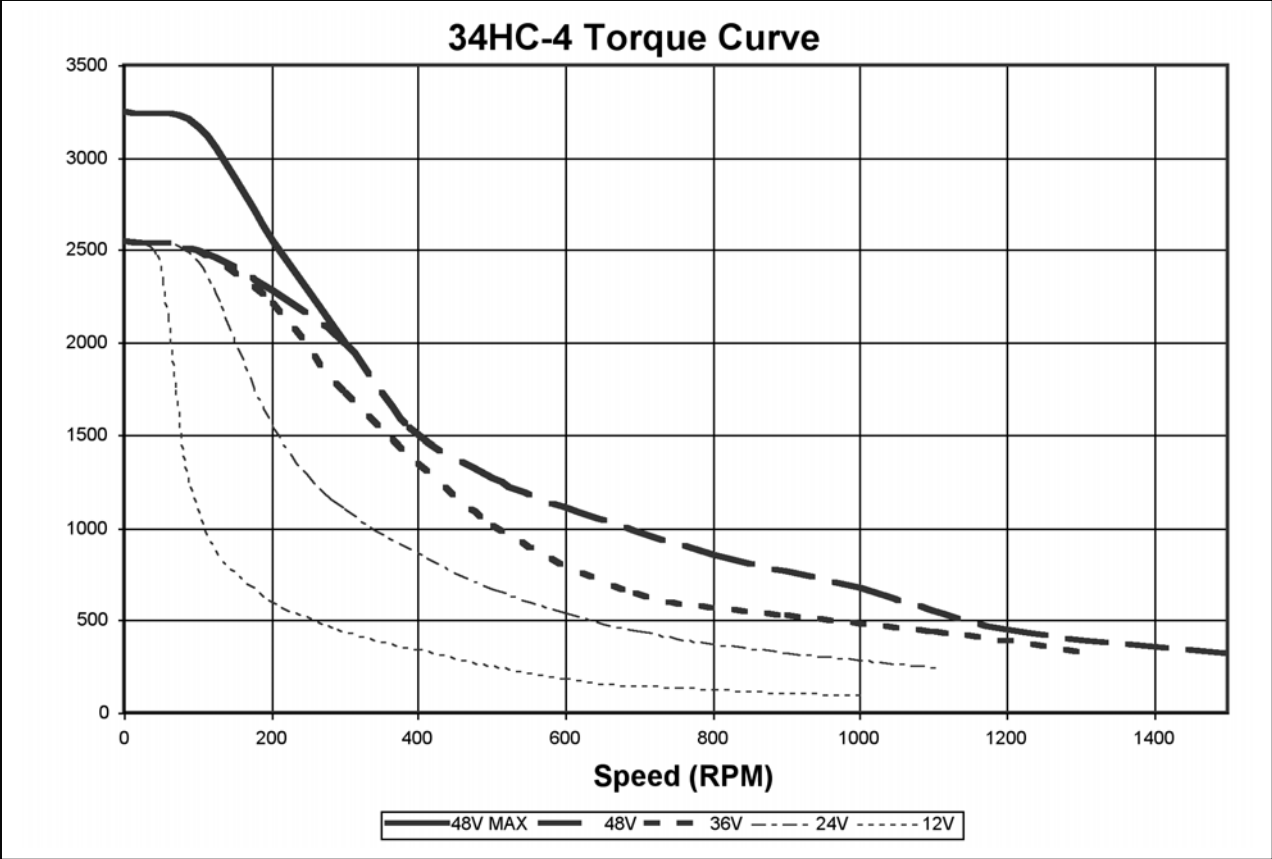
Note: 48V Max is maximum torque (150% torque) set at the specified voltage.



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Encoder Specifications (All M-Grade NEMA 34 Frame Motors)

Encoder Count Per Revolution: 4000

Index Pulse: 1

Motor Mechanical Specifications

