

SHERLINE STEPPER MOTOR SPECIFICATIONS—NMB MOTORS

Sherline P/N:	67127 (w/ DIN plug and flats of shaft)—\$75.00 67129 (no plug, no flats on shaft)—\$51.00 67130 (no plug, flats on shaft)—\$57.00
Manufacturer:	NMB (Minebea Co. Ltd.)
Mfg. P/N (Type):	23KM-K035-62V (double shaft)
Frame size:	NEMA #23
Step angle:	1.8°
Voltage:	3.2 V
Current:	2.0 A/Φ
Resistance:	1.6 Ω/Φ
Inductance:	3.6 mH/Φ
Holding torque:	9.7 kg-cm
Rotor inertia:	250 g-cm ²
Number of wire leads:	6 (See color code diagram below)
Weight:	1.32 lb (0.6 Kg.)
Length:	2.13" (54 mm)
Shaft:	Double ended, 1/4" dia.

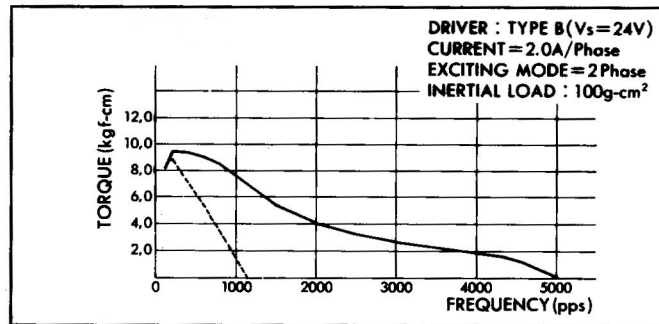


FIGURE 1—Motor torque curve

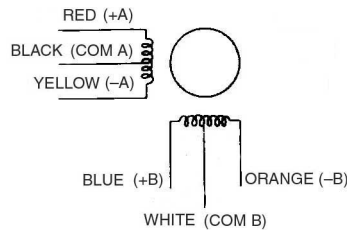


FIGURE 2—Color of wires, NMB motors.

NOTE: Motor can be wired in either unipolar or bipolar configuration depending on how leads are connected. Sherline motors with plugs are wired for unipolar operation.

CAUTION: Make sure ends of wires are not touching each other when turning the handwheel by hand to drive the stepper motor and leadscrew. It can cause the motor to feel rough and hard to turn. Disconnect motor lead from controller before hand cranking. Current is generated that can damage the control unit.



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