

Characteristics:

Low weight, compact size and high torque

Specifications:

Dimensions	: Ø 1.5 X 4.2 in
Shaft Diameter	: Ø 0.315 in
Input Voltage	: 13.5 V DC
No Load Speed	: 3383 rpm
No Load Current	: 0.76 A
Stall Torque	: 4.23 lb.in
Stall Current	: 14.54 A
Maximum Output Power	: 0.06
Maximum Efficiency	: 59%
Weight	: 12 oz
Operating Temperature Range	: -40 to 176 °F
Storage Temperature Range	: -40 to 248 °F

**Performance Data:**

	No Load	Stall	Maximum Efficiency	Maximum Power
Current (A)	0.76	14.54	3.51	7.65
Efficiency (%)	-	-	59	44
Output Power (hp)	-	-	0.04	0.06
Speed (rpm)	3383	-	2707	1692
Torque (Lb.in)	-	4.23	0.85	2.12

[illegible]

The graph displays the performance characteristics of a 3-phase induction motor. The x-axis represents Torque in N-m, ranging from 0.0 to 600.0. The left y-axis represents Speed in RPM, ranging from 0 to 4000. The right y-axes represent Efficiency in % (0 to 100), Current in A (0.0 to 18.0), and Power in W (0.0 to 50.0). The curves shown are:

- N (Speed):** A blue line showing speed decreasing from approximately 3400 RPM at 0 torque to 0 RPM at 480 N-m.
- P (Power):** An orange curve showing power increasing to a peak of 50.0 W at 72.8 N-m, then decreasing.
- Eff. (Efficiency):** A green curve showing efficiency increasing to a peak of approximately 65% at 120 N-m, then decreasing.
- I (Current):** A red line showing current increasing linearly from 0 A at 0 torque to 18.0 A at 480 N-m.

Key operating points are marked at a torque of 26.5 N-m:

- Speed (N): 2500 RPM (blue dot)
- Efficiency (Eff.): 62.5% (green dot)
- Current (I): 12.0 A (red triangle)

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