

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Single-Phase

Product code : 15098627
Catalog # : 00536OS1D184T-S

Frame : 182/4T
Output : 5 HP (3.7 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 230 V
Rated current : 19.3 A
L. R. Amperes : 133 A
LRC : 6.9x(Code G)
No load current : 4.49 A
Rated speed : 3495 rpm
Slip : 2.92 %
Rated torque : 7.51 ft.lb
Locked rotor torque : 290 %
Breakdown torque : 250 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.1559 sq.ft.lb
Design : L

Locked rotor time : 10s (cold) 6s (hot)
Temperature rise : 80 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Cooling method : IC01 - ODP
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Starting method : Direct On Line
Approx. weight³ : 71.7 lb

Output	50%	75%	100%
Efficiency (%)	78.7	83.2	84.0
Power Factor	0.98	0.99	0.99

Foundation loads
Max. traction : 84 lb
Max. compression : 156 lb

	Drive end	Non drive end
Bearing type	6206 ZZ	6205 ZZ
Sealing	Without Bearing Seal	Without Bearing Seal
Lubrication interval	-	-
Lubricant amount	-	-
Lubricant type	Mobil Polyrex EM	

Notes

This revision replaces and cancel the previous one, which must be eliminated.

- (1) Looking the motor from the shaft end.
- (2) Measured at 1m and with tolerance of +3dB(A).
- (3) Approximate weight subject to changes after manufacturing process.
- (4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 1 / 2 Revision		
Checked by				
Date	01/07/2026			

LOAD PERFORMANCE CURVE

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Customer :

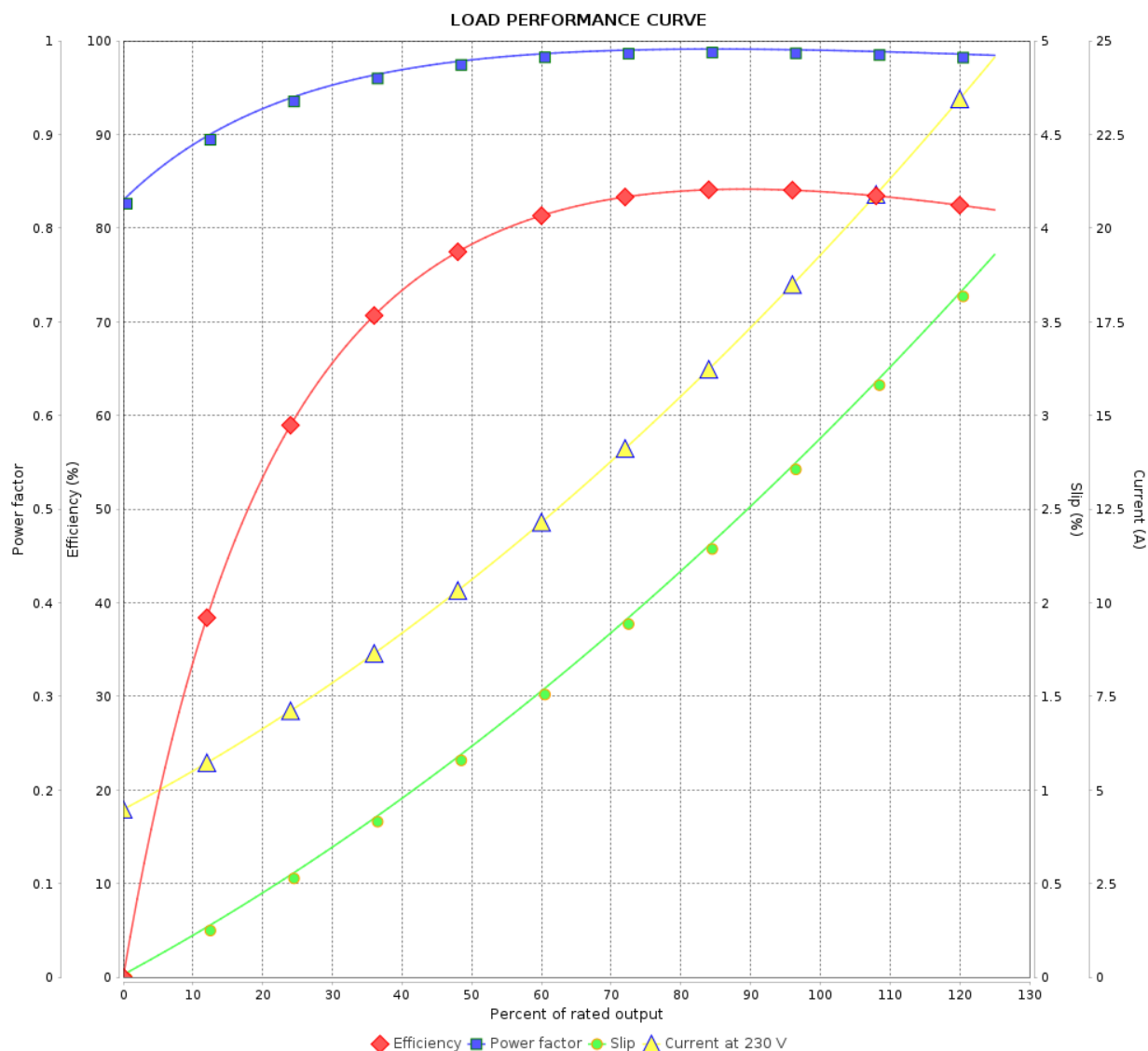
Product line : Rolled Steel Single-Phase

Product code :

15098627

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Performance : 230 V 60 Hz 2P

Rated current : 19.3 A
LRC : 6.9
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Locked rotor torque : 290 %
Breakdown torque : 250 %
Rated speed : 3495 rpm

Moment of inertia (J) : 0.1559 sq.ft.lb
Duty cycle : Cont.(S1)
Insulation class : F
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