

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Single-Phase

Product code : 15099745
Catalog # : 00736OS1C184T-S

Frame : 182/4T
Output : 7.5 HP (5.5 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 208-230 V
Rated current : 31.8-28.5 A
L. R. Amperes : 219-197 A
LRC : 6.9x(Code G)
No load current : 6.88-7.97 A
Rated speed : 3500 rpm
Slip : 2.78 %
Rated torque : 11.3 ft.lb
Locked rotor torque : 280 %
Breakdown torque : 254 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.1991 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 : 83.8 lb

Output	50%	75%	100%
Efficiency (%)	80.6	84.4	85.5
Power Factor	0.97	0.98	0.98

Foundation loads
Max. traction : 141 lb
Max. compression : 225 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.

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Date	01/07/2026			

LOAD PERFORMANCE CURVE

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Customer :

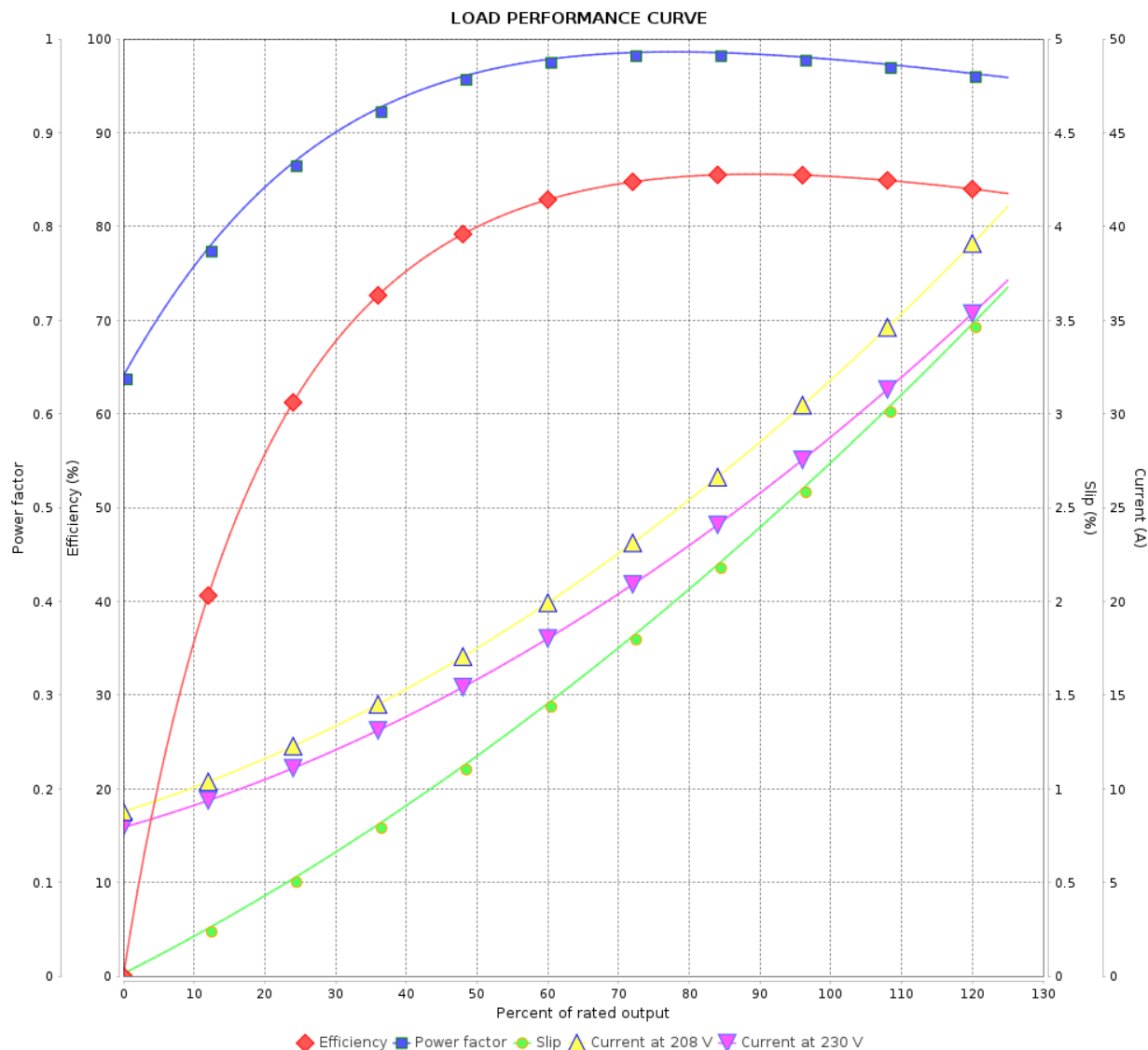
Product line : Rolled Steel Single-Phase

Product code :

15099745

Catalog # :

007360S1C184T-S



Performance : 208-230 V 60 Hz 2P

Rated current : 31.8-28.5 A

LRC : 6.9

Rated torque : 11.3 ft.lb

Locked rotor torque : 280 %

Breakdown torque : 254 %

Rated speed : 3500 rpm

Moment of inertia (J) : 0.1991 sq.ft.lb

Duty cycle : Cont.(S1)

Insulation class : F

Service factor :

Temperature rise : 80 K

Design : L

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Date	01/07/2026				