

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Motor Single-Phase

Product code : 11164442
Catalog # : 00636OS1XCD182/4Y

Frame : 182/4
Output : 6.4 HP (4.7 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 240 V
Rated current : 23.0 A
L. R. Amperes : 129 A
LRC : 5.6x(Code E)
No load current : 5.08 A
Rated speed : 3450 rpm
Slip : 4.17 %
Rated torque : 9.74 ft.lb
Locked rotor torque : 190 %
Breakdown torque : 200 %
Insulation class : F
Service factor : 1.00
Moment of inertia (J) : 0.0759 sq.ft.lb

Locked rotor time : 14s (cold) 8s (hot)
Temperature rise : 105 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Protection degree : IP21
Cooling method : IC01 - ODP
Mounting : F-1
Rotation¹ : CCW
Starting method : Direct On Line
Approx. weight³ : 51.4 lb

Output	25%	50%	75%	100%
Efficiency (%)	0.000	79.0	83.0	82.0
Power Factor	0.00	0.95	0.97	0.98

Foundation loads
Max. traction : 98 lb
Max. compression : 150 lb

	Drive end	Non drive end
Bearing type	6205 ZZ	6203 ZZ
Sealing	Without Bearing Seal	Without Bearing Seal
Lubrication interval	0 h	0 h
Lubricant amount	0 g	0 g
Lubricant type	Mobil Polyrex EM	

Notes
Model 00636OS1XCD182/4Y
PEAK HP = 9.0HP
NAMEPLATE AMPS = 23A

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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LOAD PERFORMANCE CURVE

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Customer :

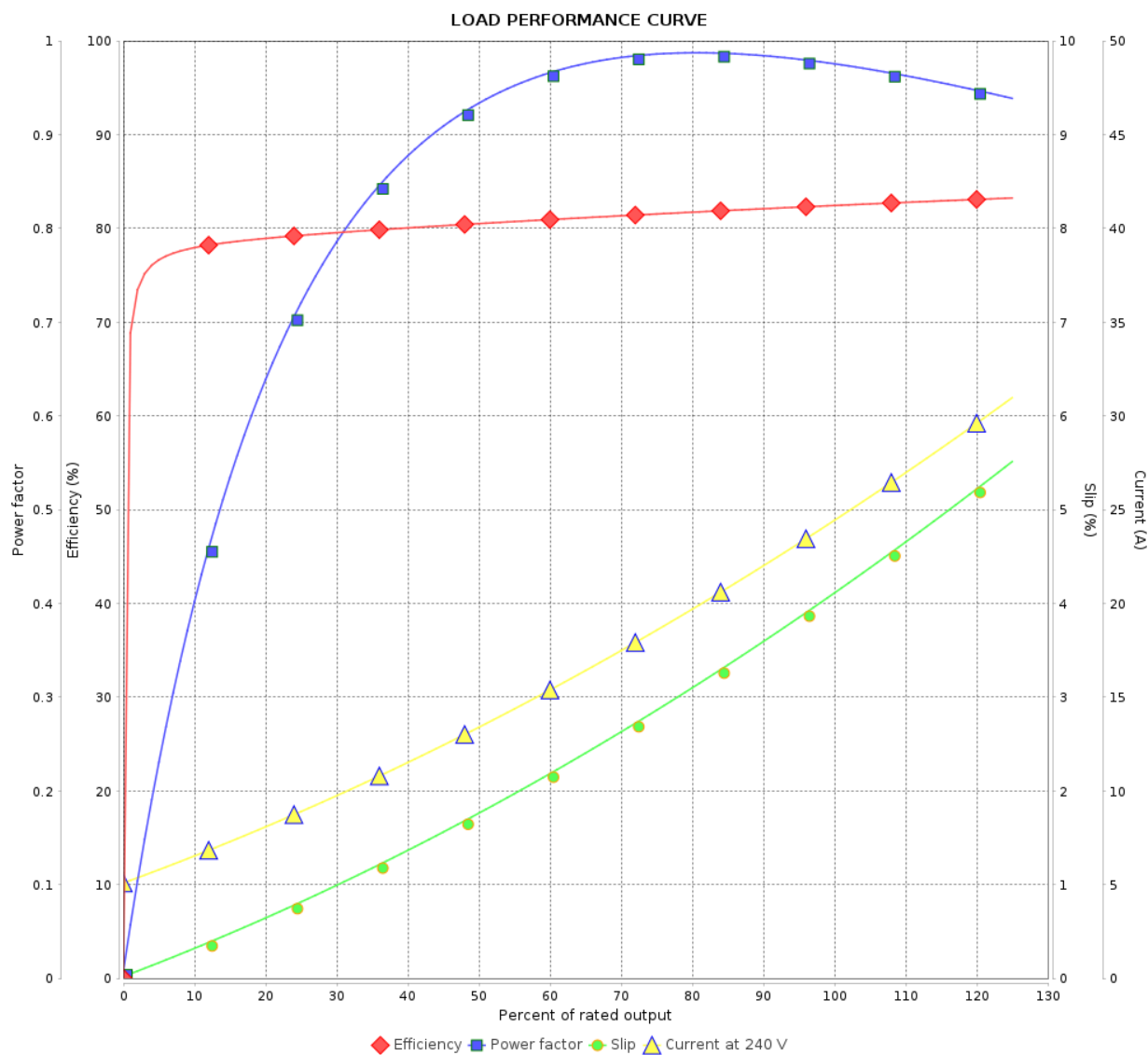
Product line : Motor Single-Phase

Product code :

11164442

Catalog # :

00636OS1XCD182/4Y



Performance : 240 V 60 Hz 2P

Rated current : 23.0 A
LRC : 5.6
Rated torque : 9.74 ft.lb
Locked rotor torque : 190 %
Breakdown torque : 200 %
Rated speed : 3450 rpm

Moment of inertia (J) : 0.0759 sq.ft.lb
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.00
Temperature rise : 105 K

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