

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Single-Phase

Product code : 13930408

Catalog # : 00518OS1C184T-S

Frame : 182/4T
 Output : 5 HP (3.7 kW)
 Poles : 4
 Frequency : 60 Hz
 Rated voltage : 208-230 V
 Rated current : 21.5-19.7 A
 L. R. Amperes : 146-134 A
 LRC : 6.8x(Code G)
 No load current : 4.47-5.18 A
 Rated speed : 1755 rpm
 Slip : 2.50 %
 Rated torque : 15.0 ft.lb
 Locked rotor torque : 250 %
 Breakdown torque : 235 %
 Insulation class : F
 Service factor : 1.15
 Moment of inertia (J) : 0.4172 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 : 88.2 lb

Output	50%	75%	100%
Efficiency (%)	75.2	81.3	84.0
Power Factor	0.95	0.97	0.97

Foundation loads
 Max. traction : 179 lb
 Max. compression : 270 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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LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage



Customer :

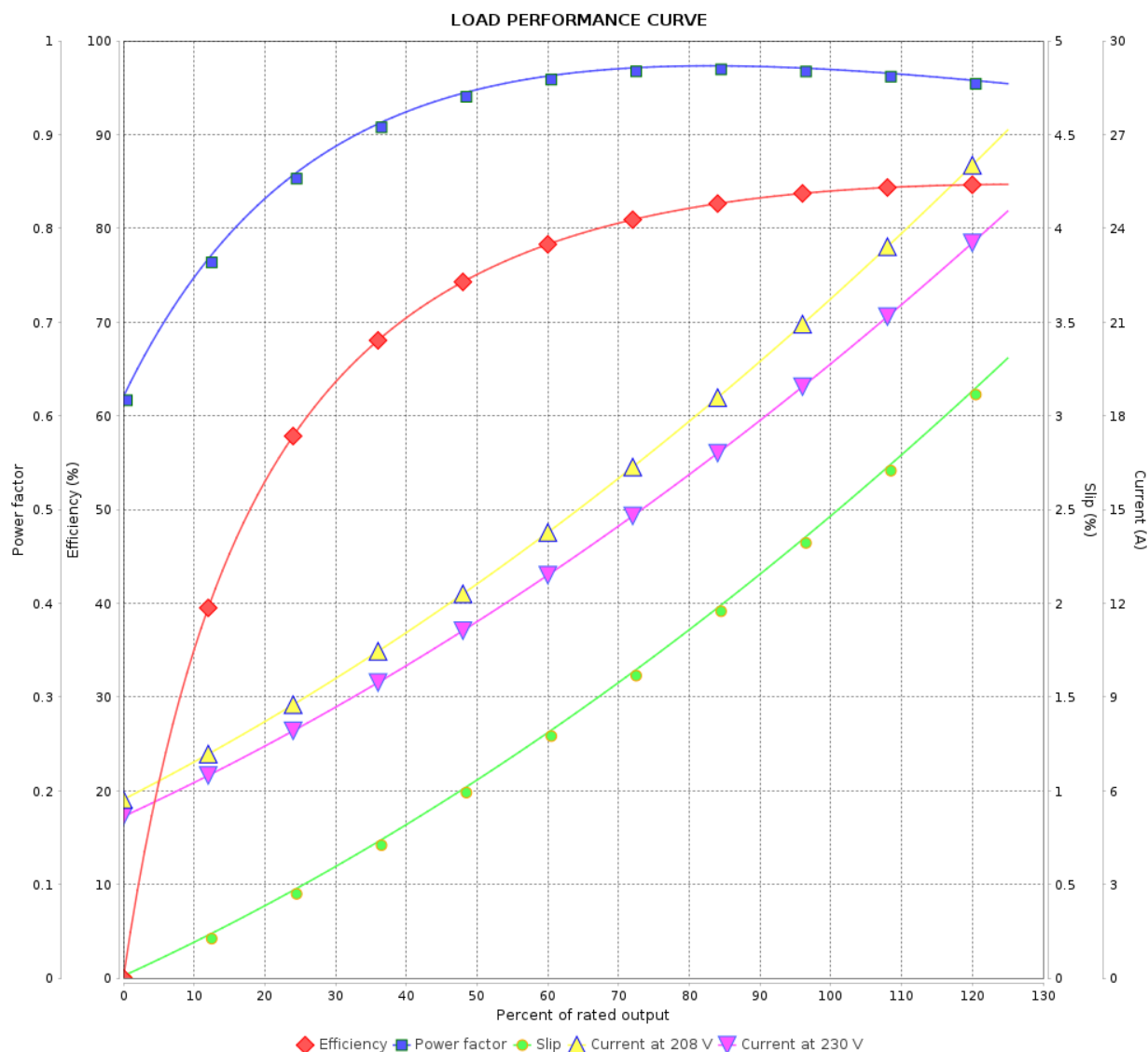
Product line : Rolled Steel Single-Phase

Product code :

13930408

Catalog # :

005180S1C184T-S



Performance : 208-230 V 60 Hz 4P

Rated current : 21.5-19.7 A
LRC : 6.8
Rated torque : 15.0 ft.lb
Locked rotor torque : 250 %
Breakdown torque : 235 %
Rated speed : 1755 rpm

Moment of inertia (J) : 0.4172 sq.ft.lb
Duty cycle : Cont.(S1)
Insulation class : F
Service factor :
Temperature rise : 80 K
Design : L

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