

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : General Single-Phase Product code : 11206171
Catalog # : 005180S1CCDOL184T

Frame	: 184T	Locked rotor time	: 10s (cold) 6s (hot)
Output	: 5 HP (3.7 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 208-230 V	Altitude	: 1000 m.a.s.l.
Rated current	: 23.0-20.7 A	Protection degree	: IP22
L. R. Amperes	: 152-137 A	Cooling method	: IC01 - ODP
LRC	: 6.6x(Code H)	Mounting	: F-1
No load current	: 4.31-5.00 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1750 rpm	Starting method	: Direct On Line
Slip	: 2.78 %	Approx. weight ³	: 97.0 lb
Rated torque	: 15.0 ft.lb		
Locked rotor torque	: 254 %		
Breakdown torque	: 220 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.4983 sq.ft.lb		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	74.0	80.0	82.5	Max. traction	: 162 lb
Power Factor	0.00	0.90	0.92	0.94	Max. compression	: 259 lb

	Drive end	Non drive end
Bearing type	: 6206 ZZ	: 6205 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

Run capacitor = 1 x 50uF (400V)
Starter capacitor = 1 x 340-408 (250V)

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 :

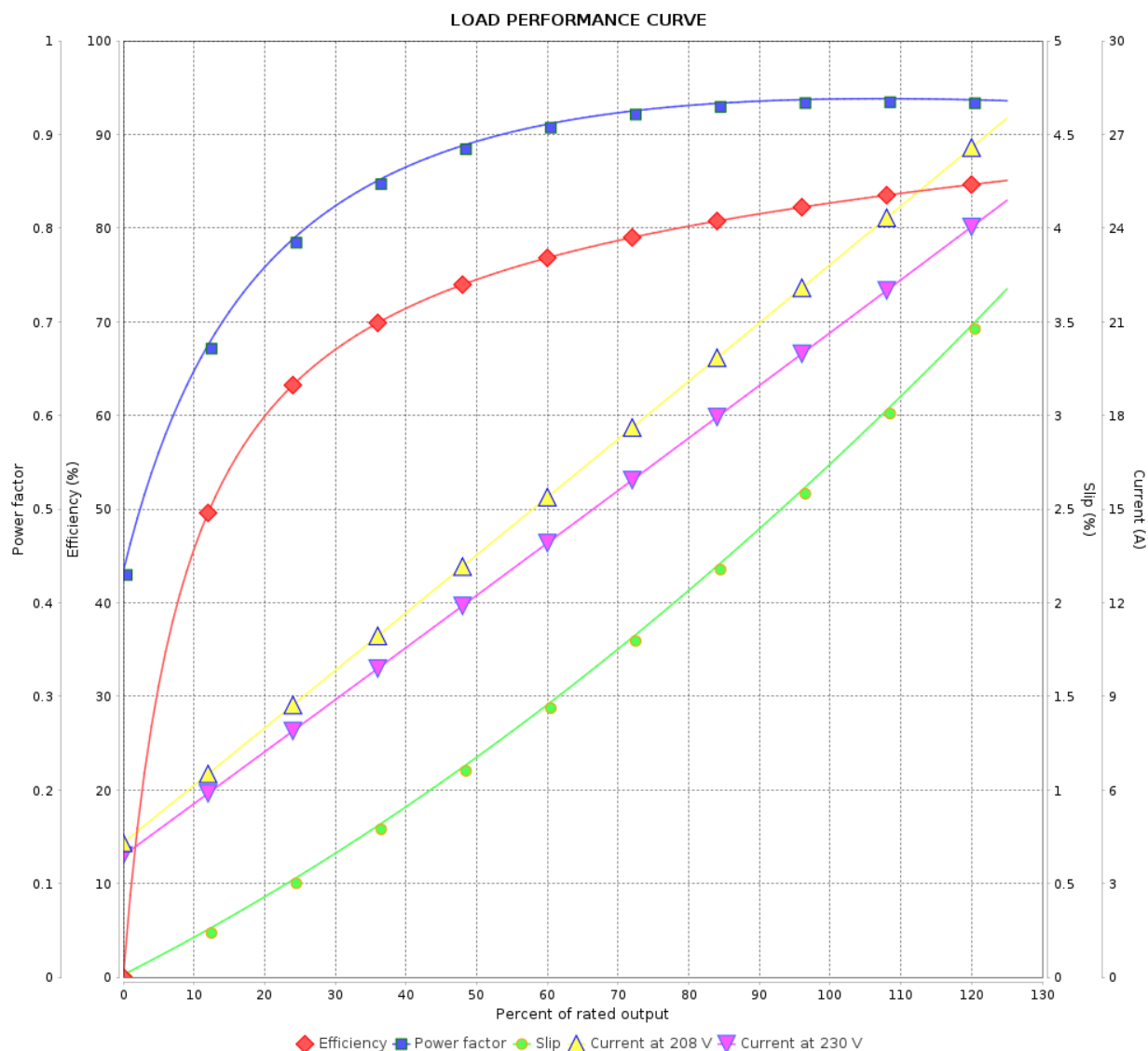
Product line : General Single-Phase

Product code :

11206171

Catalog # :

005180S1CCDOL184T



Performance : 208-230 V 60 Hz 4P

Rated current : 23.0-20.7 A
LRC : 6.6
Rated torque : 15.0 ft.lb
Locked rotor torque : 254 %
Breakdown torque : 220 %
Rated speed : 1750 rpm

Moment of inertia (J) : 0.4983 sq.ft.lb
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K

Rev.	Changes Summary		Performed	Checked	Date
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Date	01/07/2026				