

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Compressor Duty Single-Phase Product code : 15761864
Catalog # : 00318OS1CCDOL184T-S

Frame	: 182/4T	Locked rotor time	: 10s (cold) 6s (hot)
Output	: 3 HP (2.2 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	: 13.7-12.8 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 95.9-89.6 A	Mounting	: F-1
LRC	: 7.0x(Code H)	Rotation ¹	: Both (CW and CCW)
No load current	: 4.91-5.70 A	Starting method	: Direct On Line
Rated speed	: 1765 rpm	Approx. weight ³	: 67.3 lb
Slip	: 1.94 %		
Rated torque	: 8.93 ft.lb		
Locked rotor torque	: 275 %		
Breakdown torque	: 245 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.2781 sq.ft.lb		
Design	: L		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	71.3	73.0	80.0	81.5	Max. traction	: 105 lb
Power Factor	0.51	0.82	0.88	0.92	Max. compression	: 174 lb

		<u>Drive end</u>	<u>Non drive end</u>
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

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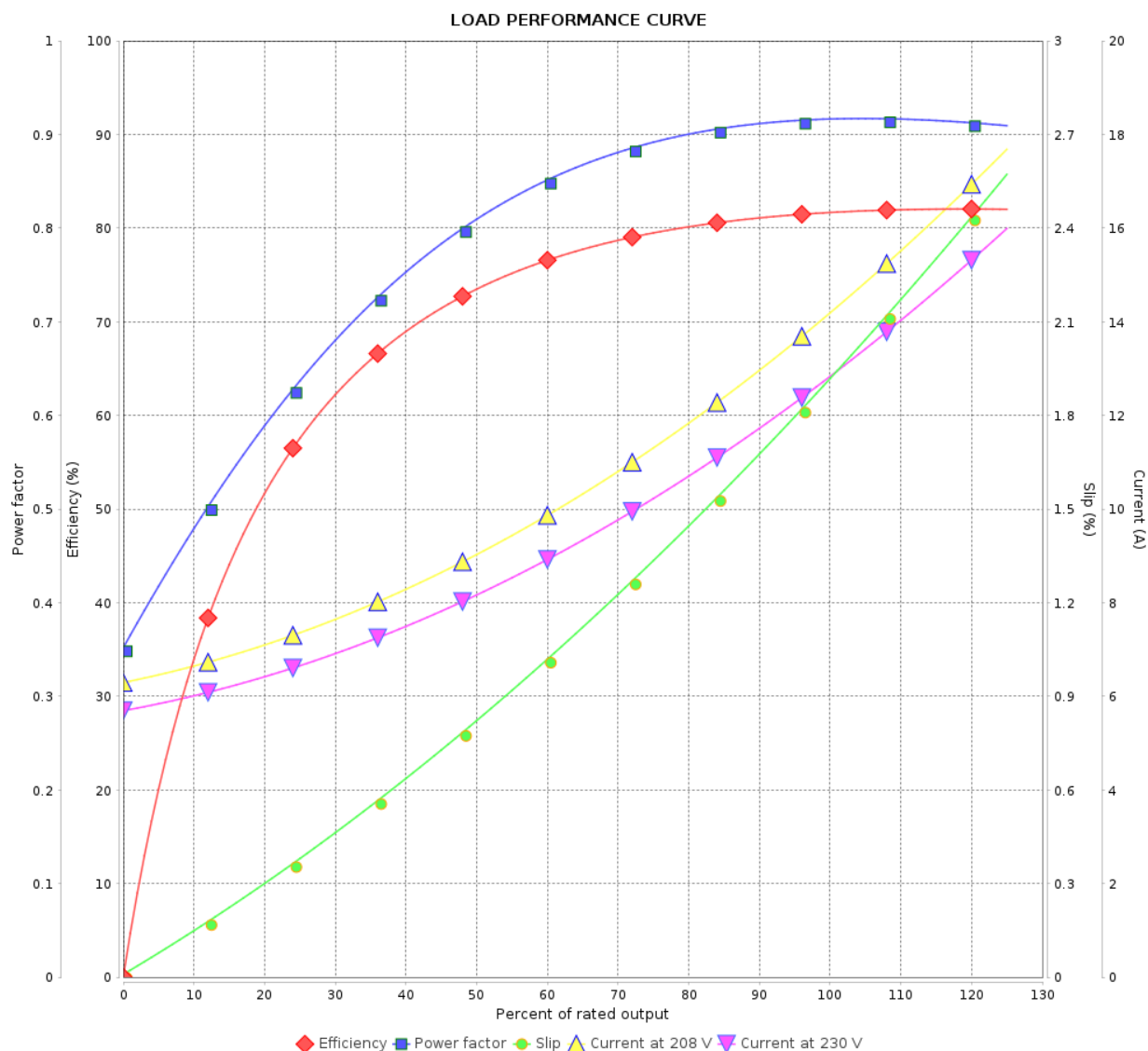


Customer :

Product line : Rolled Steel Compressor Duty
Single-Phase

Product code : 15761864

Catalog # : 00318OS1CCDOL184T-S



Performance : 208-230 V 60 Hz 4P

Rated current : 13.7-12.8 A
LRC : 7.0
Rated torque : 8.93 ft.lb
Locked rotor torque : 275 %
Breakdown torque : 245 %
Rated speed : 1765 rpm

Moment of inertia (J) : 0.2781 sq.ft.lb
Duty cycle : Cont.(S1)
Insulation class : F
Service factor :
Temperature rise : 80 K
Design : L

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