

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : Dealers Industrial Equipment 800-469-3110
Customer reference : 07536OP3VFP364TS-W40

Product line : W40 High Efficiency Three-Phase Product code : 14281361
Catalog # : 07536OP3VFP364TS-W40

Frame	: 364/5TS	Locked rotor time	: 46s (cold) 26s (hot)
Output	: 75 HP (55 kW)	Temperature rise	: 105 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 200/400 V	Altitude	: 1000 m.a.s.l.
Rated current	: 196/98.1 A	Protection degree	: IP23
L. R. Amperes	: 1138/569 A	Cooling method	: IC01 - ODP
LRC	: 5.8x(Code F)	Mounting	: F-1
No load current	: 58.0/29.0 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3555 rpm	Starting method	: Direct On Line
Slip	: 1.25 %	Approx. weight ³	: 663 lb
Rated torque	: 109 ft.lb		
Locked rotor torque	: 160 %		
Breakdown torque	: 210 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 5.60 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	90.3	91.0	92.4	93.0	Max. traction	: 465 lb
Power Factor	0.55	0.80	0.85	0.87	Max. compression	: 1129 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6314 C3	6212 Z C3
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	14418 h	20000 h
Lubricant amount	:	27 g	13 g
Lubricant type	:	Mobil Polyrex EM	

Notes
downloaded from <http://dealerselectric.com>

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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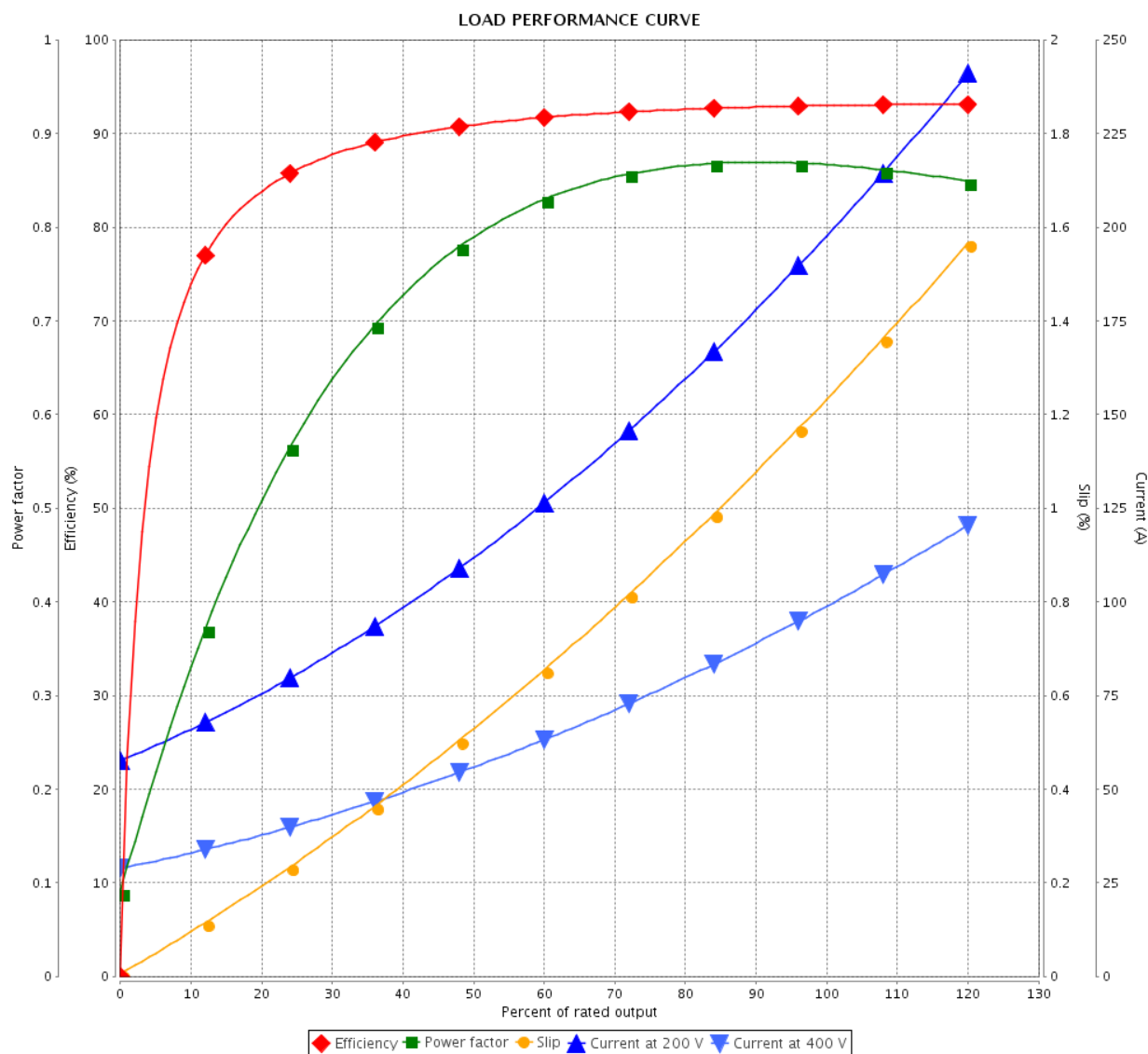
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Performance : 200/400 V 60 Hz 2P

Rated current : 196/98.1 A
LRC : 5.8
Rated torque : 109 ft.lb
Locked rotor torque : 160 %
Breakdown torque : 210 %
Rated speed : 3555 rpm

Moment of inertia (J) : 5.60 sq.ft.lb
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 105 K
Design : B

Rev.	Changes Summary		Performed	Checked	Date
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