

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : Dealers Industrial Equipment 800-469-3110
 Customer reference : 07536OP3EFP364TS-W40

Product line : W40 High Efficiency Three-Phase Product code : 14281358
 Catalog # : 07536OP3EFP364TS-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	: 208-230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 186-171/85.3 A	Protection degree	: IP23
L. R. Amperes	: 1081-989/495 A	Cooling method	: IC01 - ODP
LRC	: 5.8x(Code F)	Mounting	: F-1
No load current	: 43.5-50.4/25.2 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3555 rpm	Starting method	: Direct On Line
Slip	: 1.25 %	Approx. weight ³	: 661 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	: 586 lb
Power Factor	0.55	0.80	0.85	0.87	Max. compression	: 1247 lb

	Drive end	Non drive end
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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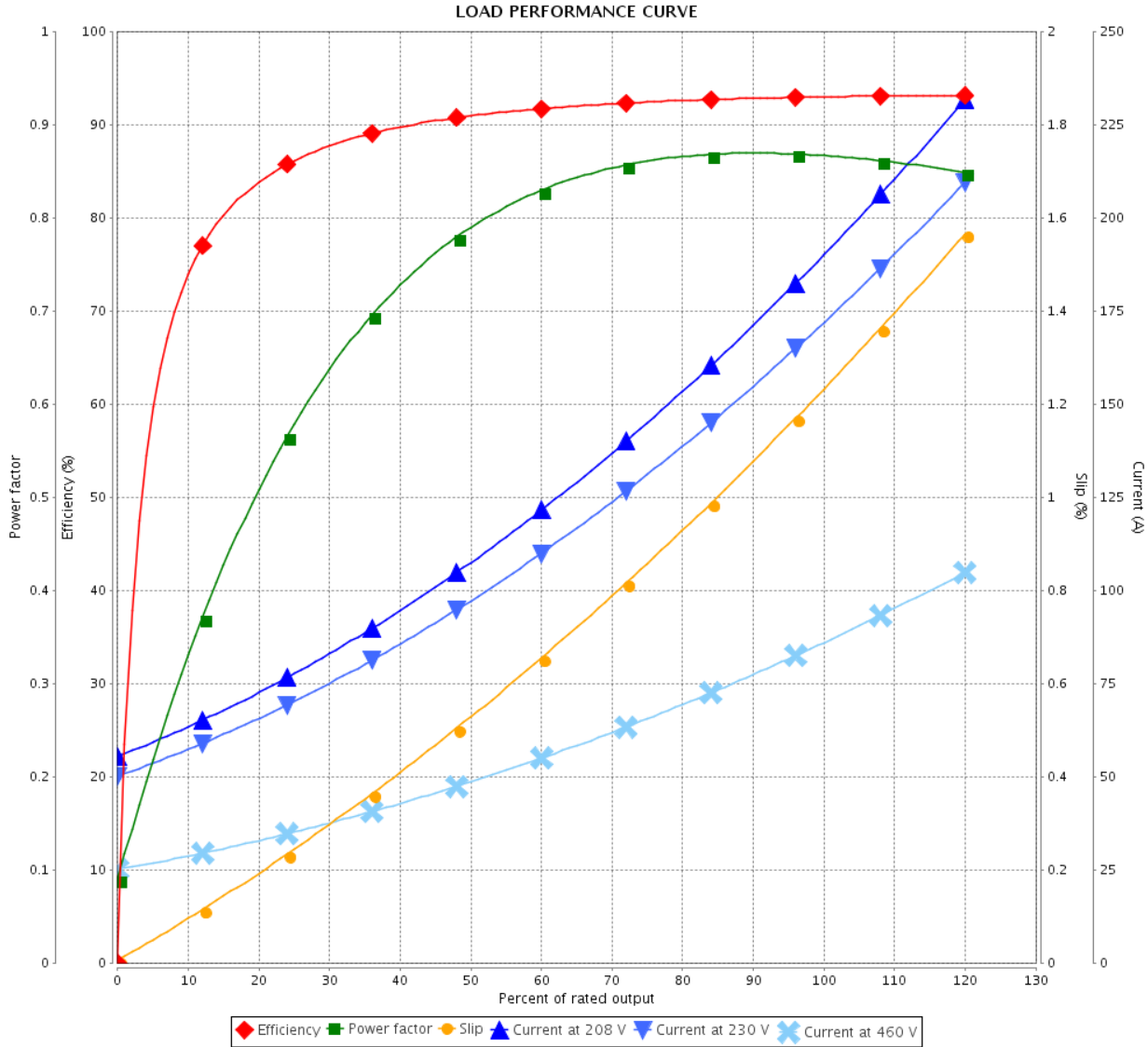
LOAD PERFORMANCE CURVE



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Performance : 208-230/460 V 60 Hz 2P

Rated current : 186-171/85.3 A	Moment of inertia (J) : 5.60 sq.ft.lb
LRC : 5.8	Duty cycle : Cont.(S1)
Rated torque : 109 ft.lb	Insulation class : F
Locked rotor torque : 160 %	Service factor : 1.15
Breakdown torque : 210 %	Temperature rise : 105 K
Rated speed : 3555 rpm	Design : B

Rev.	Changes Summary	Performed	Checked	Date
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