

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : Dealers Industrial Equipment 800-469-3110
 Customer reference : 07536OT3G364TS-W40

Product line : W40 NEMA Premium Efficiency Three-Phase Product code : 14270958
 Catalog # : 07536OT3G364TS-W40

Frame	: 364/5TS	Locked rotor time	: 34s (cold) 19s (hot)
Output	: 75 HP (55 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 84.8 A	Protection degree	: IP23
L. R. Amperes	: 560 A	Cooling method	: IC01 - ODP
LRC	: 6.6x(Code G)	Mounting	: F-1
No load current	: 21.5 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3560 rpm	Noise level ²	: 84.0 dB(A)
Slip	: 1.11 %	Starting method	: Direct On Line
Rated torque	: 109 ft.lb	Approx. weight ³	: 736 lb
Locked rotor torque	: 200 %		
Breakdown torque	: 250 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 6.40 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	91.0	91.7	93.0	93.6	Max. traction	: 651 lb
Power Factor	0.56	0.77	0.84	0.87	Max. compression	: 1387 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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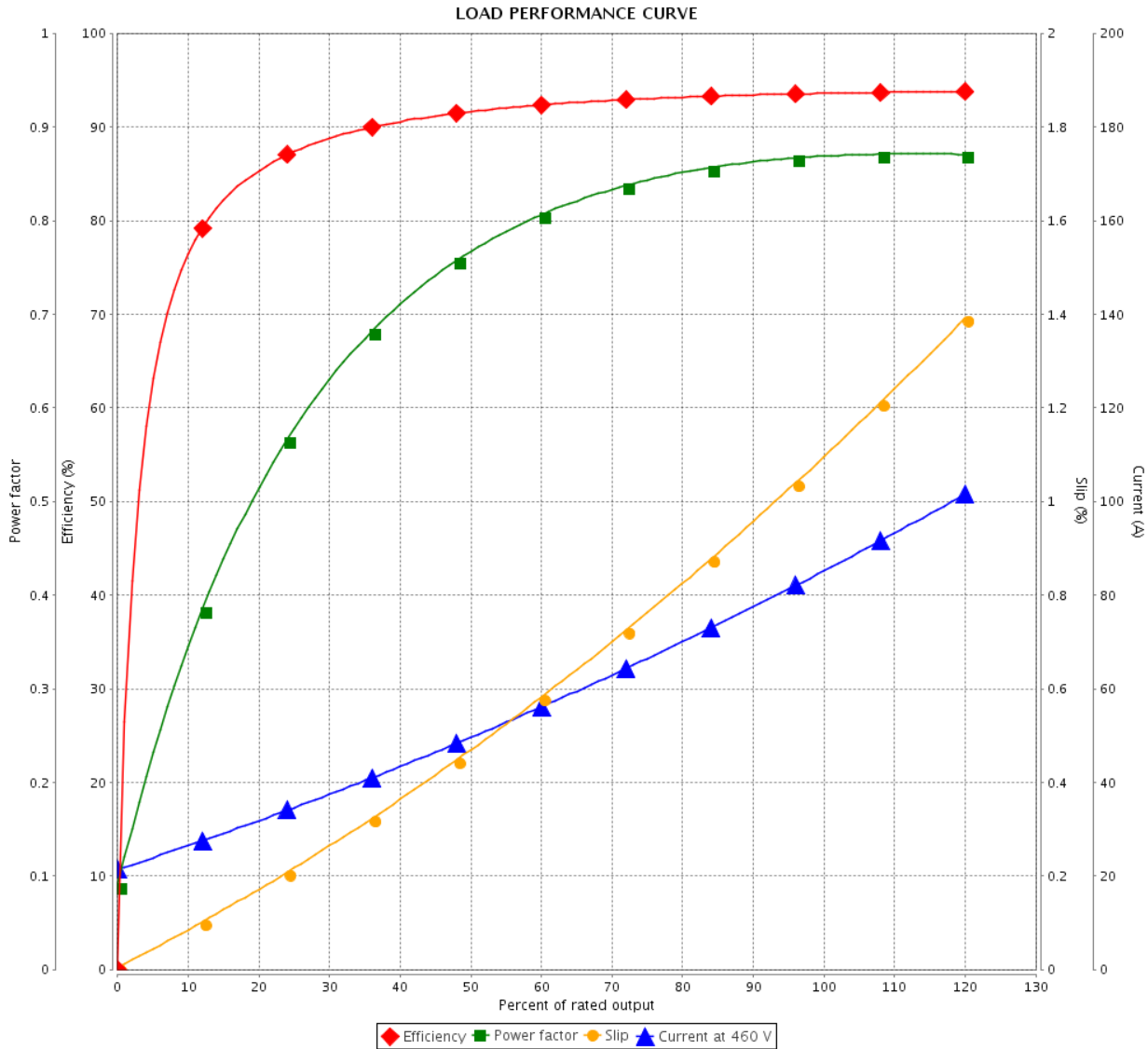
LOAD PERFORMANCE CURVE



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Performance : 460 V 60 Hz 2P

Rated current : 84.8 A	Moment of inertia (J) : 6.40 sq.ft.lb
LRC : 6.6	Duty cycle : Cont.(S1)
Rated torque : 109 ft.lb	Insulation class : F
Locked rotor torque : 200 %	Service factor : 1.25
Breakdown torque : 250 %	Temperature rise : 80 K
Rated speed : 3560 rpm	Design : B

Rev.	Changes Summary	Performed	Checked	Date
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