

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer : Dealers Industrial Equipment 800-469-3110		Customer reference : 10036OT3G365TS-W40				
Product line : W40 NEMA Premium Efficiency Three-Phase		Product code : 14272479	Catalog # : 10036OT3G365TS-W40			
Frame : 364/5TS Output : 100 HP (75 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 460 V Rated current : 116 A L. R. Amperes : 766 A LRC : 6.6x(Code G) No load current : 29.5 A Rated speed : 3555 rpm Slip : 1.25 % Rated torque : 146 ft.lb Locked rotor torque : 180 % Breakdown torque : 229 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 7.20 sq.ft.lb Design : B	Locked rotor time : 23s (cold) 13s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP23 Cooling method : IC01 - ODP Mounting : F-1 Rotation <sup>1</sup> : Both (CW and CCW) Noise level <sup>2</sup> : 84.0 dB(A) Starting method : Direct On Line Approx. weight <sup>3</sup> : 731 lb					
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	92.2	92.4	93.6	93.6	Max. traction : 1090 lb	
Power Factor	0.55	0.77	0.84	0.87	Max. compression : 1821 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 <a href="http://dealerselectric.com">http://dealerselectric.com</a>						
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.			
Rev.	Changes Summary			Performed	Checked	Date
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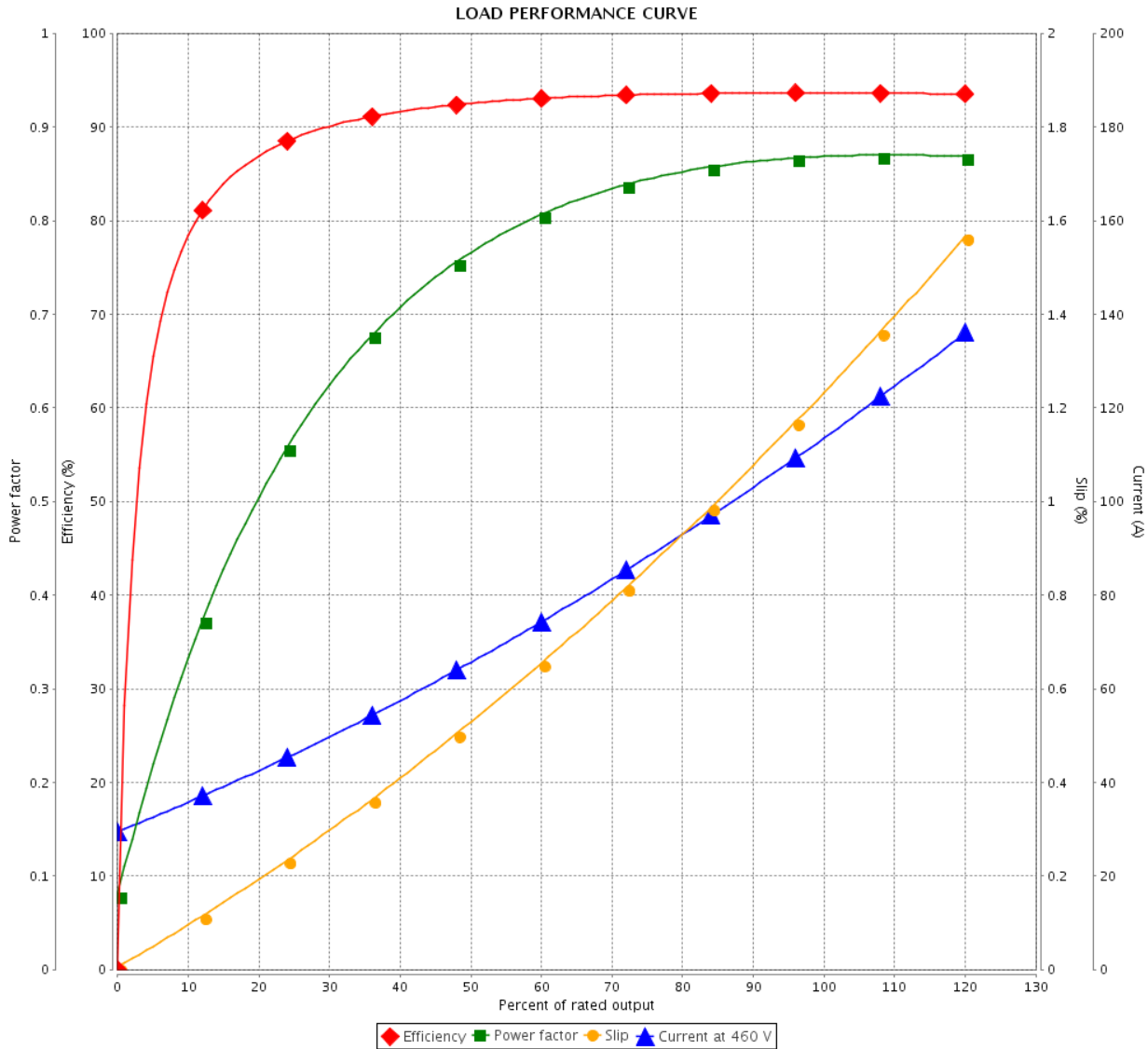
# LOAD PERFORMANCE CURVE



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Performance : 460 V 60 Hz 2P

Rated current : 116 A	Moment of inertia (J) : 7.20 sq.ft.lb
LRC : 6.6	Duty cycle : Cont.(S1)
Rated torque : 146 ft.lb	Insulation class : F
Locked rotor torque : 180 %	Service factor : 1.25
Breakdown torque : 229 %	Temperature rise : 80 K
Rated speed : 3555 rpm	Design : B

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