

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : Dealers Industrial Equipment 800-469-3110		Customer reference : 07518OT3E365TS-W40			
Product line : W40 NEMA Premium Efficiency Three-Phase		Product code : 14270942			
		Catalog # : 07518OT3E365TS-W40			
Frame : 364/5TS	Locked rotor time : 25s (cold) 14s (hot)	Output : 75 HP (55 kW)	Temperature rise : 80 K		
Poles : 4	Duty cycle : Cont.(S1)	Frequency : 60 Hz	Ambient temperature : -20°C to +40°C		
Rated voltage : 208-230/460 V	Altitude : 1000 m.a.s.l.	Rated current : 189-171/85.5 A	Protection degree : IP23		
L. R. Amperes : 1286-1163/581 A	Cooling method : IC01 - ODP	LRC : 6.8x(Code G)	Mounting : F-1		
No load current : 52.6-61.0/30.5 A	Rotation ¹ : Both (CW and CCW)	Rated speed : 1780 rpm	Noise level ² : 69.0 dB(A)		
Slip : 1.11 %	Starting method : Direct On Line	Rated torque : 218 ft.lb	Approx. weight ³ : 767 lb		
Locked rotor torque : 220 %		Breakdown torque : 260 %			
Insulation class : F		Service factor : 1.25			
Moment of inertia (J) : 16.8 sq.ft.lb		Design : B			
Output	25%	50%	75%	100%	
Efficiency (%)	94.4	94.5	95.0	95.0	
Power Factor	0.48	0.73	0.82	0.85	
Foundation loads					
Max. traction : 1654 lb					
Max. compression : 2421 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	:	20000 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.		
Rev.	Changes Summary		Performed	Checked	Date
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Date	14/04/2019			1 / 2	

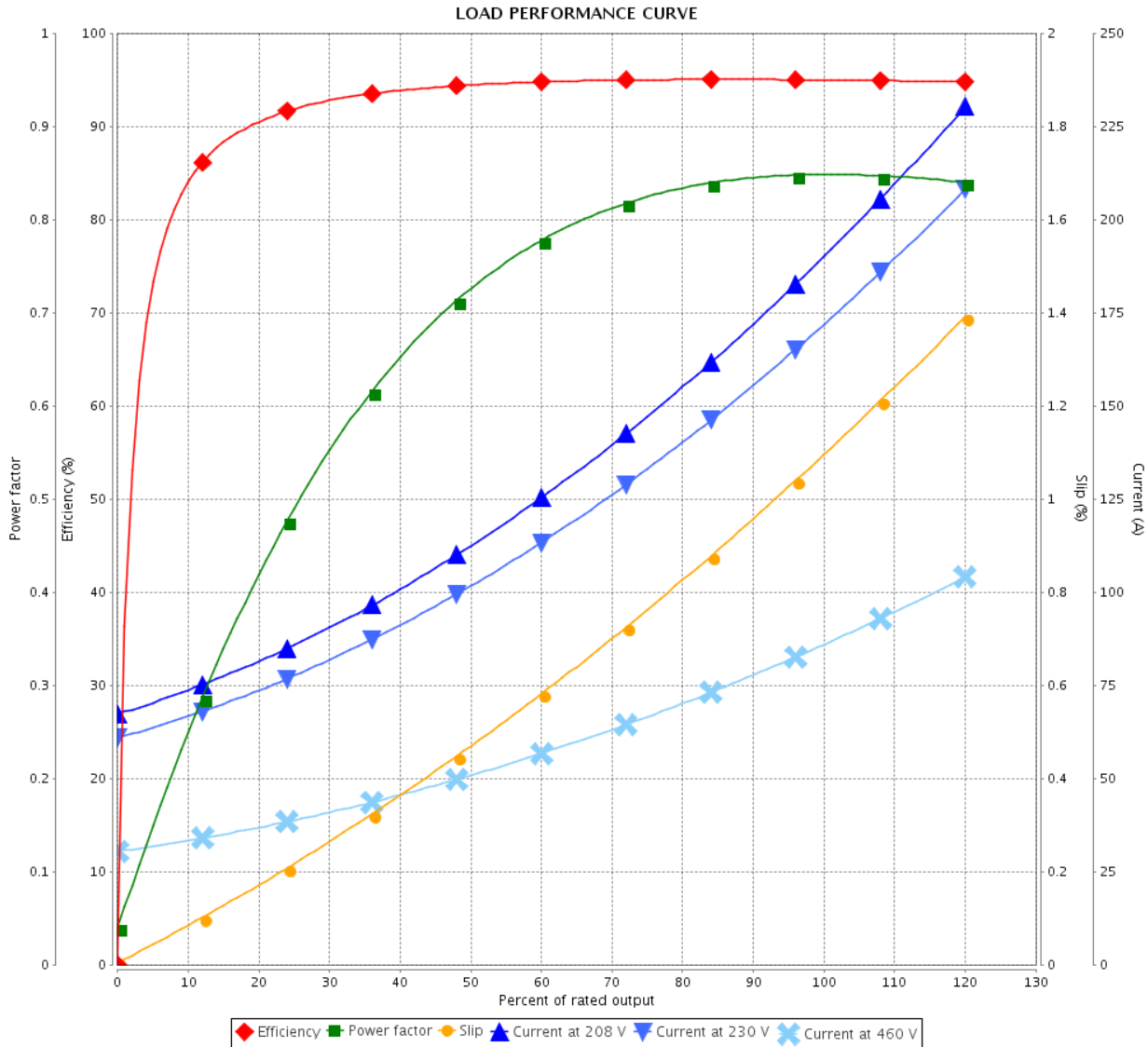
LOAD PERFORMANCE CURVE



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Performance : 208-230/460 V 60 Hz 4P

Rated current : 189-171/85.5 A	Moment of inertia (J) : 16.8 sq.ft.lb
LRC : 6.8	Duty cycle : Cont.(S1)
Rated torque : 218 ft.lb	Insulation class : F
Locked rotor torque : 220 %	Service factor : 1.25
Breakdown torque : 260 %	Temperature rise : 80 K
Rated speed : 1780 rpm	Design : B

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