

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :					
Product line : General Single-Phase		Product code : 10016582			
		Catalog # : 01036ES1E215TC			
Frame : 215TC Output : 10 HP (7.5 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 208-230/460 V Rated current : 43.2-38.8/19.4 A L. R. Amperes : 294-264/132 A LRC : 6.8x(Code G) No load current : 6.64-7.70/3.85 A Rated speed : 3510 rpm Slip : 2.50 % Rated torque : 14.8 ft.lb Locked rotor torque : 220 % Breakdown torque : 270 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.5285 sq.ft.lb		Locked rotor time : 14s (cold) 8s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Cooling method : IC411 - TEFC Mounting : F-1 Rotation ¹ : Both (CW and CCW) Starting method : Direct On Line Approx. weight ³ : 156 lb			
Output	25%	50%	75%	100%	
Efficiency (%)	81.8	83.0	85.0	86.0	
Power Factor	0.70	0.91	0.94	0.95	
Foundation loads					
Max. traction : 147 lb					
Max. compression : 302 lb					
		<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:	6308 ZZ		6206 ZZ	
Sealing	:	V'Ring		V'Ring	
Lubrication interval	:	-		-	
Lubricant amount	:	-		-	
Lubricant type	:	Mobil Polyrex EM			
Notes					
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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Performed by					
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LOAD PERFORMANCE CURVE

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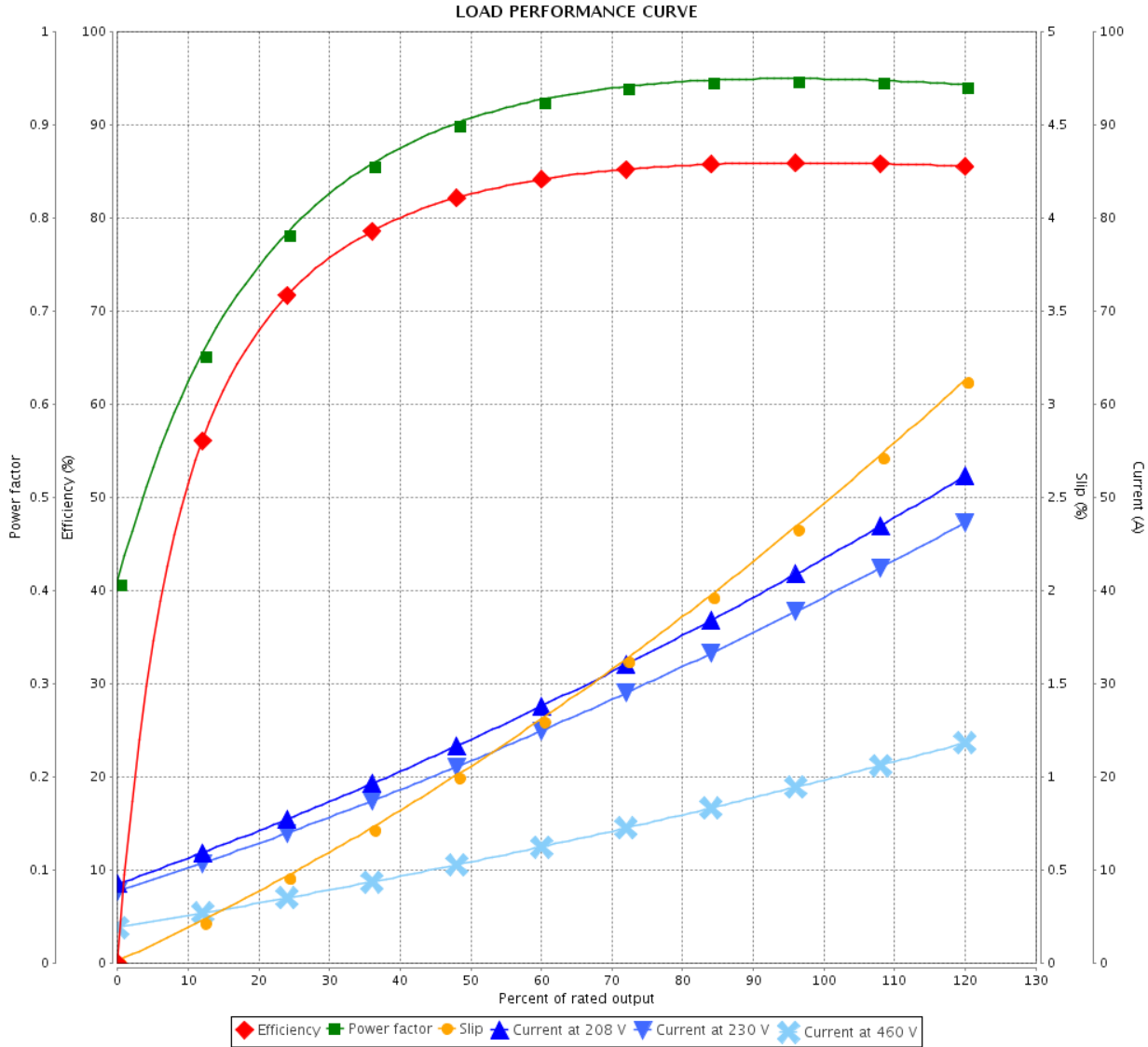
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Performance : 208-230/460 V 60 Hz 2P

Rated current : 43.2-38.8/19.4 A
 LRC : 6.8
 Rated torque : 14.8 ft.lb
 Locked rotor torque : 220 %
 Breakdown torque : 270 %
 Rated speed : 3510 rpm

Moment of inertia (J) : 0.5285 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K

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