

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : Dealers Industrial Equipment 800-469-3110		Customer reference : 12536OP3EFP404TS-W40			
Product line : W40 High Efficiency Three-Phase		Product code : 14282689 Catalog # : 12536OP3EFP404TS-W40			
Frame : 404/5TS Output : 125 HP Poles : 2 Frequency : 60 Hz Rated voltage : 208-230/460 V Rated current : 299-274/137 A L. R. Amperes : 1973-1808/904 A LRC : 6.6x(Code G) No load current : 51.7-60.0/30.0 A Rated speed : 3545 rpm Slip : 1.53 % Rated torque : 183 ft.lb Locked rotor torque : 180 % Breakdown torque : 229 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 8.03 sq.ft.lb Design : B		Locked rotor time : 27s (cold) 15s (hot) Temperature rise : 105 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 ¹ : Both (CW and CCW) Noise level ² : 84.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 831 lb			
Output	25%	50%	75%	100%	Foundation loads Max. traction : 990 lb Max. compression : 1821 lb
Efficiency (%)	92.8	93.0	93.6	93.6	
Power Factor	0.60	0.80	0.86	0.88	
		<u>Drive end</u> Bearing type : 6314 C3 Sealing : Without Bearing Seal Lubrication interval : 14418 h Lubricant amount : 27 g Lubricant type : Mobil Polyrex EM		<u>Non drive end</u> 6212 Z C3 Without Bearing Seal 20000 h 13 g	
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
Performed by					
Checked by					
Date	15/04/2019			Page 1 / 2	Revision

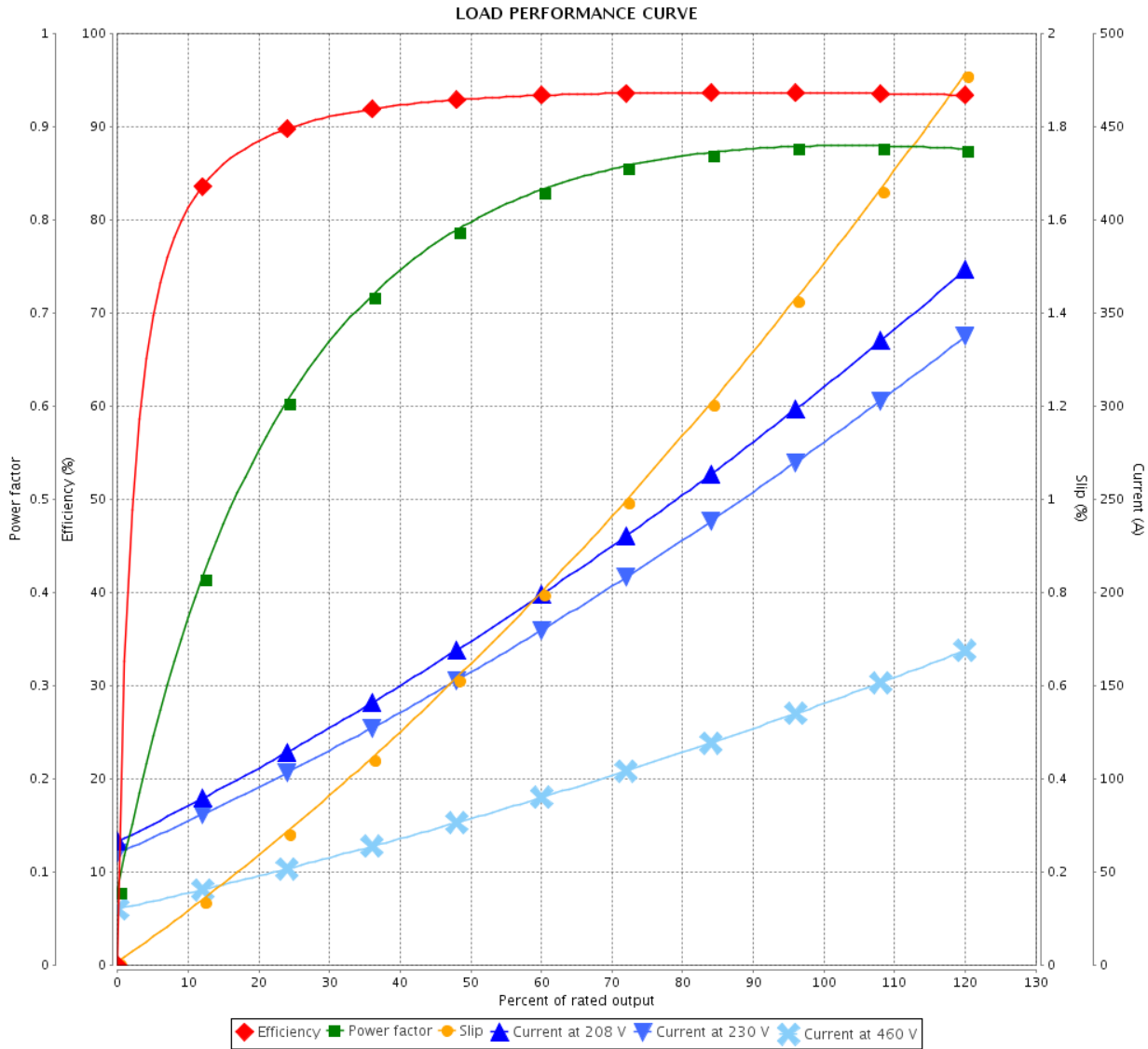
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : Dealers Industrial Equipment 800-469-3110
Customer reference : 12536OP3EFP404TS-W40

Product line : W40 High Efficiency Three-Phase Product code : 14282689
Catalog # : 12536OP3EFP404TS-W40



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

Rated current : 299-274/137 A
LRC : 6.6
Rated torque : 183 ft.lb
Locked rotor torque : 180 %
Breakdown torque : 229 %
Rated speed : 3545 rpm

Moment of inertia (J) : 8.03 sq.ft.lb
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 105 K
Design : B

Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page	Revision
Checked by				2 / 2	
Date					

