

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line : ODP NEMA Premium Efficiency Three-Phase		Product code : 14360508				
Frame : 404/5T Output : 75 HP (55 kW) Poles : 6 Frequency : 60 Hz Rated voltage : 575 V Rated current : 68.7 A L. R. Amperes : 467 A LRC : 6.8x(Code G) No load current : 24.8 A Rated speed : 1185 rpm Slip : 1.25 % Rated torque : 45.9 kgfm Locked rotor torque : 240 % Breakdown torque : 250 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 1.18 kgm <sup>2</sup> Design : B	Locked rotor time : 25s (cold) 14s (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 <sup>1</sup> : Both (CW and CCW) Noise level <sup>2</sup> : 69.0 dB(A) Starting method : Direct On Line Approx. weight <sup>3</sup> : 458 kg					
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	94.1	94.5	94.5	Max. traction : 901 kgf		
Power Factor	0.72	0.81	0.85	Max. compression : 1359 kgf		
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6316 C3		6314 C3		
Sealing	:	Without Bearing Seal		Without Bearing Seal		
Lubrication interval	:	20000 h		20000 h		
Lubricant amount	:	34 g		27 g		
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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# LOAD PERFORMANCE CURVE

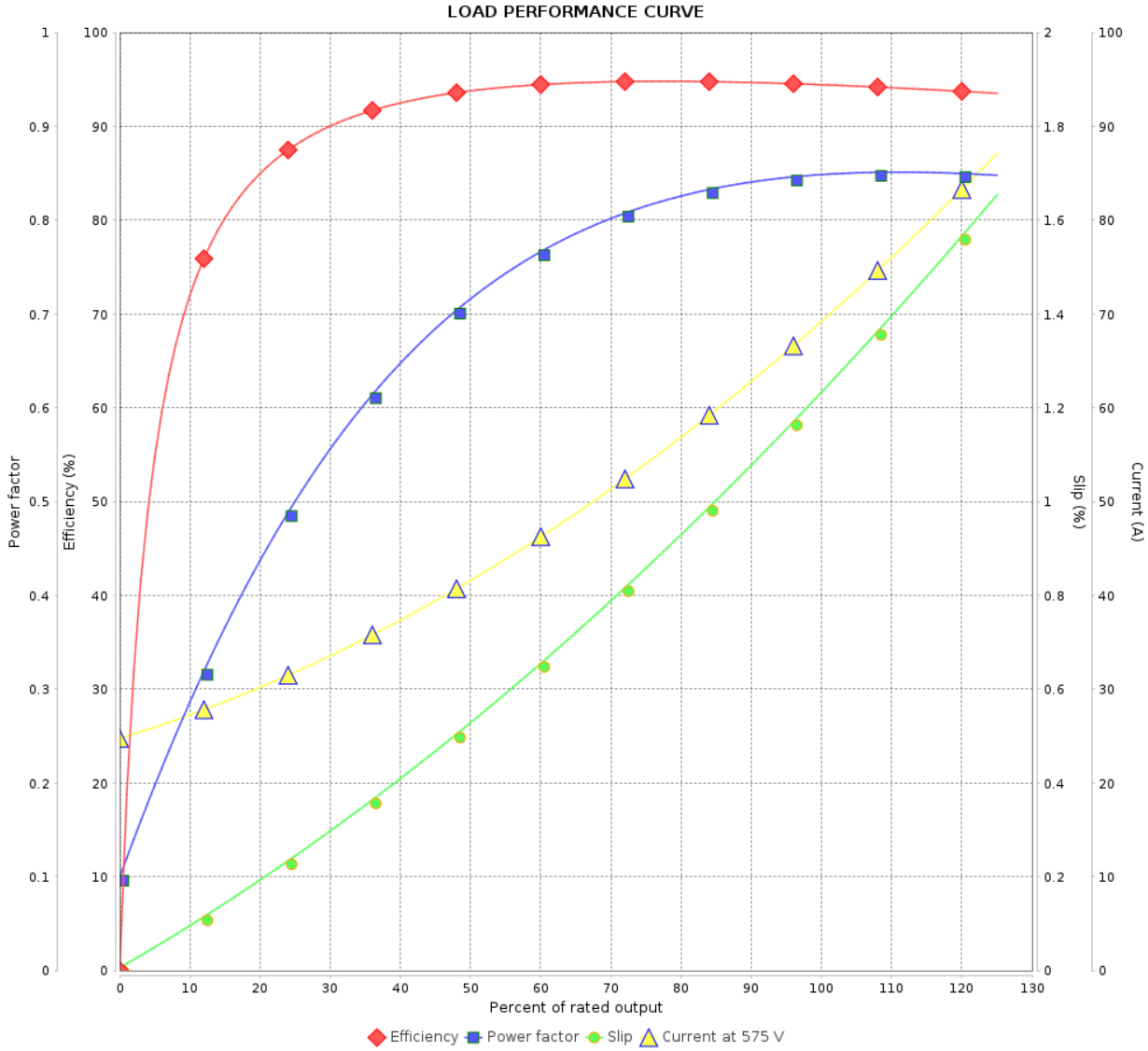
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : ODP NEMA Premium Efficiency Three-Phase

Product code : 14360508



Performance : 575 V 60 Hz 6P

Rated current	: 68.7 A	Moment of inertia (J)	: 1.18 kgm <sup>2</sup>
LRC	: 6.8	Duty cycle	: Cont.(S1)
Rated torque	: 45.9 kgfm	Insulation class	: F
Locked rotor torque	: 240 %	Service factor	: 1.15
Breakdown torque	: 250 %	Temperature rise	: 105 K
Rated speed	: 1185 rpm	Design	: B

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