

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line : ODP NEMA Premium Efficiency Three-Phase		Product code : 10084169				
Frame : 364/5T Output : 75 HP (55 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 575 V Rated current : 66.8 A L. R. Amperes : 448 A LRC : 6.7x(Code G) No load current : 21.6 A Rated speed : 1780 rpm Slip : 1.11 % Rated torque : 30.6 kgfm Locked rotor torque : 210 % Breakdown torque : 260 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.8224 kgm <sup>2</sup> Design : B	Locked rotor time : 25s (cold) 14s (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> : 68.0 dB(A) Starting method : Direct On Line Approx. weight <sup>3</sup> : 385 kg					
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	94.4	94.5	95.0	95.0	Max. traction : 701 kgf	
Power Factor	0.51	0.76	0.84	0.87	Max. compression : 1086 kgf	
			<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6314 C3	6314 C3			
Sealing	:	Without Bearing Seal	Without Bearing Seal			
Lubrication interval	:	20000 h	20000 h			
Lubricant amount	:	27 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.			
Rev.	Changes Summary			Performed	Checked	Date
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# LOAD PERFORMANCE CURVE

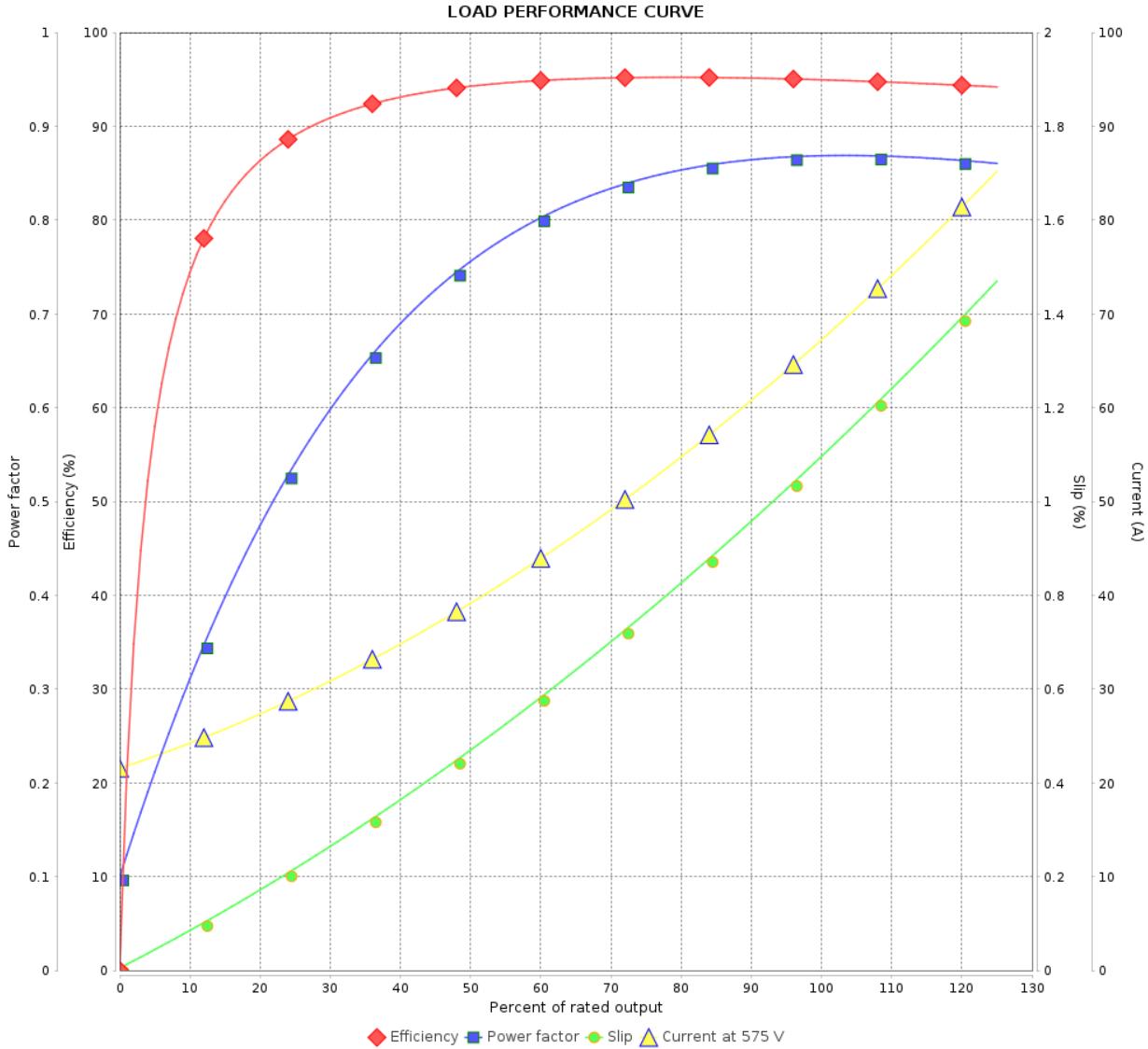
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Product code : 10084169



Performance : 575 V 60 Hz 4P

Rated current : 66.8 A  
 LRC : 6.7  
 Rated torque : 30.6 kgfm  
 Locked rotor torque : 210 %  
 Breakdown torque : 260 %  
 Rated speed : 1780 rpm

Moment of inertia (J) : 0.8224 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K  
 Design : B

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