

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line : Close Coupled Pump NEMA Premium Efficiency Three-Phase		Product code : 11080264			
Frame : E143/5JM Output : 2 HP (1.5 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 575 V Rated current : 2.00 A L. R. Amperes : 19.0 A LRC : 9.5x(Code L) No load current : 0.784 A Rated speed : 3430 rpm Slip : 4.72 % Rated torque : 0.423 kgfm Locked rotor torque : 450 % Breakdown torque : 350 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.0025 kgm <sup>2</sup> Design : B	Locked rotor time : 27s (cold) 15s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP21 Cooling method : IC01 - ODP Mounting : F-1 Rotation <sup>1</sup> : Both (CW and CCW) Noise level <sup>2</sup> : 60.0 dB(A) Starting method : Direct On Line Approx. weight <sup>3</sup> : 20.0 kg				
Output      50%      75%      100%		Foundation loads			
Efficiency (%)	84.0	85.5	86.5	Max. traction : 32 kgf	
Power Factor	0.70	0.81	0.87	Max. compression : 52 kgf	
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6206 ZZ	6204 ZZ		
Sealing	:	Without Bearing Seal	Without Bearing Seal		
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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# LOAD PERFORMANCE CURVE

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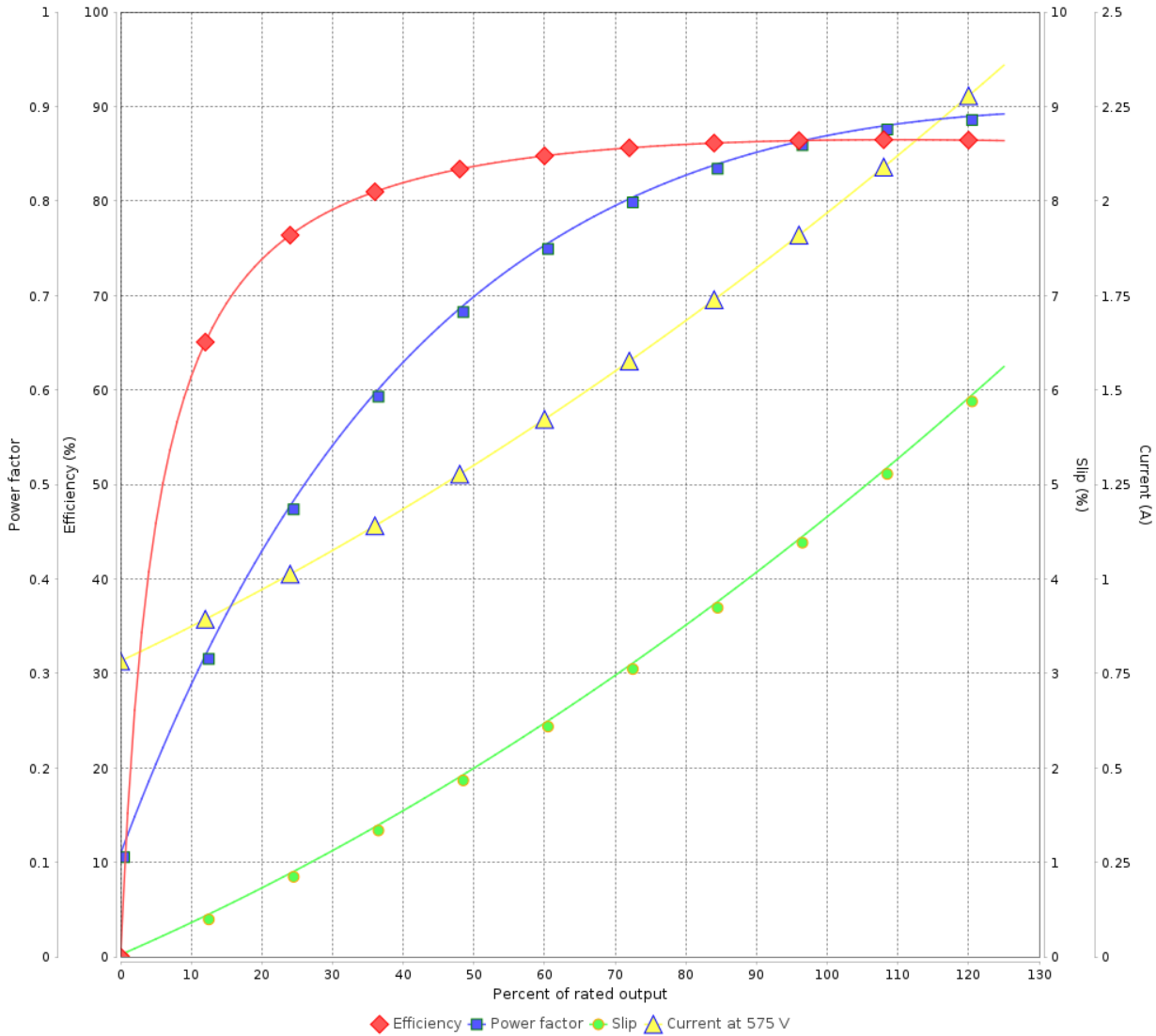


Customer :

Product line : Close Coupled Pump NEMA Premium  
Efficiency Three-Phase

Product code : 11080264

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 2P

Rated current : 2.00 A  
LRC : 9.5  
Rated torque : 0.423 kgfm  
Locked rotor torque : 450 %  
Breakdown torque : 350 %  
Rated speed : 3430 rpm

Moment of inertia (J) : 0.0025 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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