## **DATA SHEET**

## Three Phase Induction Motor - Squirrel Cage



11168167

Customer :

Product line : Close Coupled Pump NEMA Premium Product code :

Efficiency Three-Phase

Frame : E143/5JM Locked rotor time : 27s (cold) 0s (hot)

Output : 2 HP (1.5 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) Frequency : 60 Hz Ambient temperature : -20°C to +40°C : 230/460 V : 1000 m.a.s.l. Rated voltage Altitude Protection degree Rated current : 5.80/2.90 A : IP21

L. R. Amperes : 47.6/23.8 A Cooling method : IC01 - ODP LRC : 8.2x(Code L) Mounting : F-1

No load current: 3.20/1.60 ARotation¹: Both (CW and CCW)Rated speed: 1730 rpmNoise level²: 52.0 dB(A)Slip: 3.89 %Starting method: Direct On Line

Rated torque : 0.839 kgfm Approx. weight³ : 21.2 kg
Locked rotor torque : 350 %
Breakdown torque : 330 %
Insulation class : F

Moment of inertia (J) : 0.0067 kgm²
Design : B

: 1.15

50% 75% Output 100% Foundation loads Efficiency (%) 82.5 85.5 86.5 Max. traction : 68 kgf Power Factor 0.58 0.70 0.78 Max. compression : 89 kgf

 Drive end
 Non drive end

 Bearing type
 : 6206 ZZ
 6204 ZZ

Sealing : Without Bearing Seal Without Bearing Seal

Lubrication interval : - - - Lubricant amount : - - -

Lubricant type : Mobil Polyrex EM

Notes:

Service factor

USABLE @208V 5.95A SF 1.00 SFA 5.95A

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

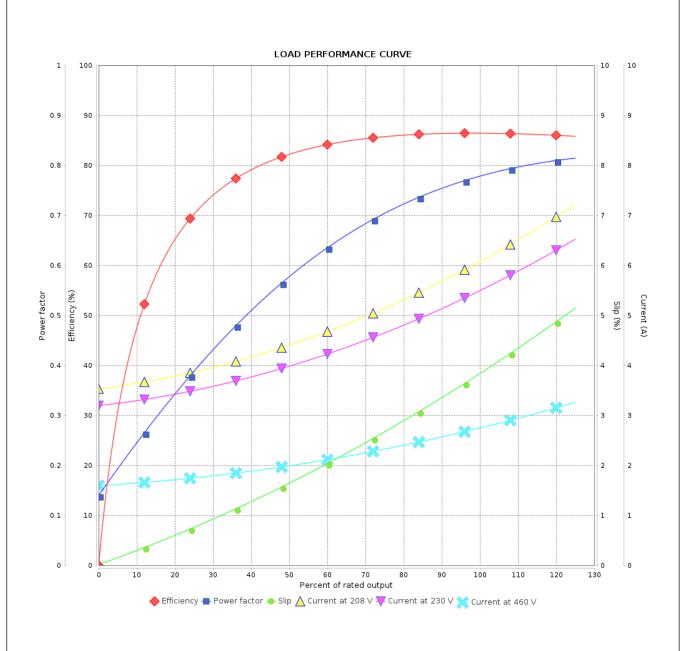


Customer :

Product line : Close Coupled Pump NEMA Premium

Efficiency Three-Phase

Product code: 11168167



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Performance	: 23	30/460 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torq	: 8. : 0.	: 5.80/2.90 A		class	: 0.0067 kgm² : Cont.(S1) : F	
Breakdown torqu Rated speed	ie : 33	: 330 % : 1730 rpm		Temperature rise Design		
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