

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: Saw Arbor Motor Standard Efficiency Three-Phase		Product code : 15472746		
Frame	: 90L/MS	Locked rotor time	: 10s (cold) 6s (hot)			
Output	: 10 HP (7.5 kW)	Temperature rise	: 80 K			
Poles	: 4	Duty cycle	: S6			
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C			
Rated voltage	: 208-230/460 V	Altitude	: 1000 m.a.s.l.			
Rated current	: 32.5-29.4/14.7 A	Protection degree	: IP54			
L. R. Amperes	: 276-250/125 A	Cooling method	: IC411 - TEFC			
LRC	: 8.5	Mounting	: B3R(D)			
No load current	: 18.0-16.3/8.13 A	Rotation <sup>1</sup>	: CCW			
Rated speed	: 1715 rpm	Noise level <sup>2</sup>	: 55.0 dB(A)			
Slip	: 4.72 %	Starting method	: Direct On Line			
Rated torque	: 4.23 kgfm	Approx. weight <sup>3</sup>	: 82.3 kg			
Locked rotor torque	: 459 %					
Breakdown torque	: 450 %					
Insulation class	: F					
Service factor	: 1.00					
Moment of inertia (J)	: 0.0168 kgm <sup>2</sup>					
Design	: N					
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	84.5	85.5	85.5	Max. traction : 434 kgf		
Power Factor	0.54	0.67	0.75	Max. compression : 517 kgf		
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6308 ZZ		6208 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.			
Rev.	Changes Summary			Performed	Checked	Date
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# LOAD PERFORMANCE CURVE

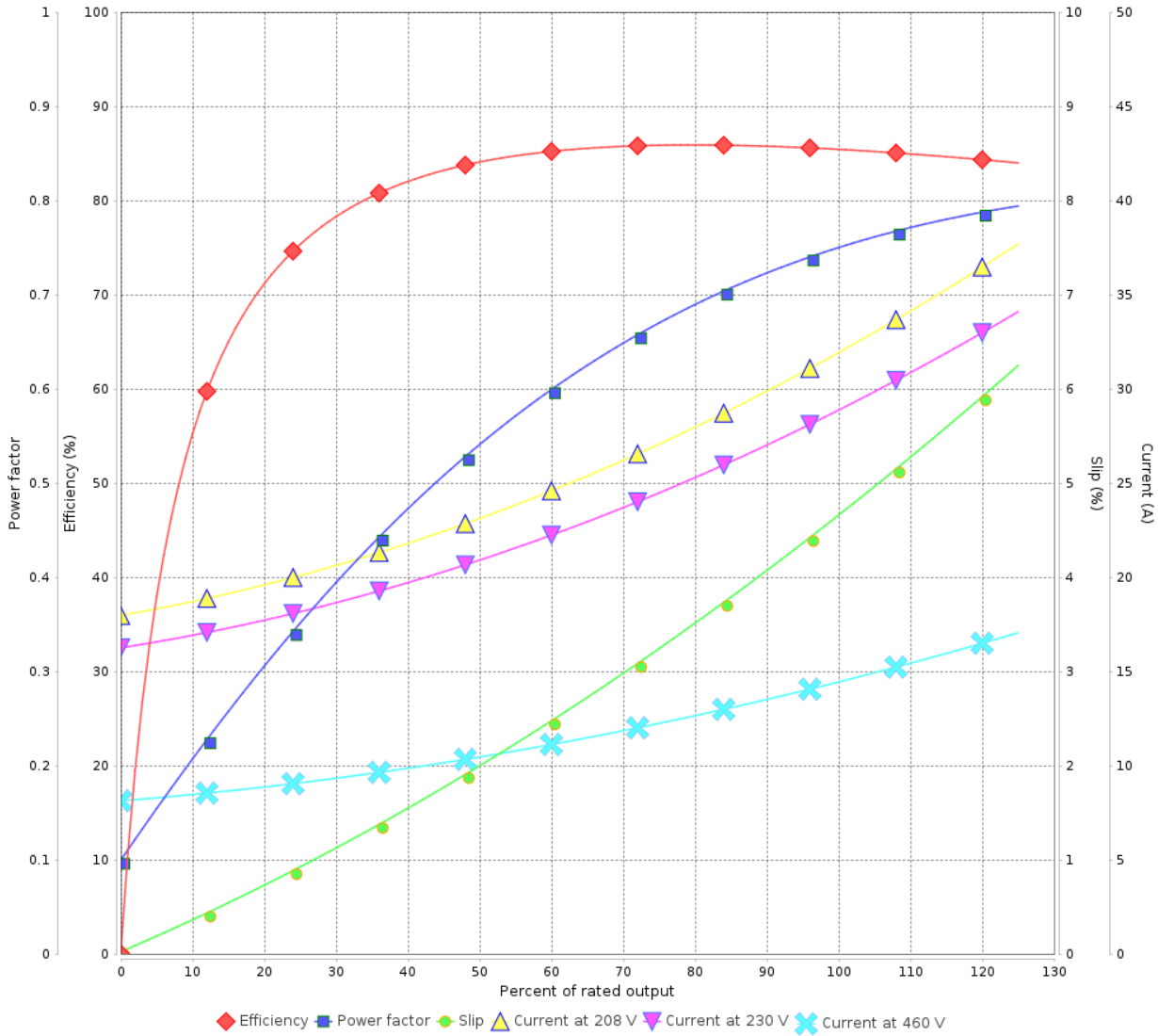
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Saw Arbor Motor Standard Efficiency Three-Phase      Product code : 15472746

LOAD PERFORMANCE CURVE



Performance : 208-230/460 V 60 Hz 4P

Rated current	: 32.5-29.4/14.7 A	Moment of inertia (J)	: 0.0168 kgm <sup>2</sup>
LRC	: 8.5	Duty cycle	: S6
Rated torque	: 4.23 kgfm	Insulation class	: F
Locked rotor torque	: 459 %	Service factor	: 1.00
Breakdown torque	: 450 %	Temperature rise	: 80 K
Rated speed	: 1715 rpm	Design	: N

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Date	16/01/2024			