### **DATA SHEET**

#### Three Phase Induction Motor - Squirrel Cage



Customer Product line : W22 NEMA Premium Efficiency Product code: 12744465 Three-Phase Frame : 182/4TC Cooling method : IC411 - TEFC Insulation class Mounting : F-1 : F Duty cycle : Cont.(S1) Rotation<sup>1</sup> : Both (CW and CCW) Ambient temperature : -20°C to +40°C Starting method : Direct On Line : 1000 m.a.s.l. Approx. weight<sup>3</sup> : 44.3 kg Altitude Protection degree : IP55 Moment of inertia (J) : 0.0206 kgm<sup>2</sup> Design : B Output [HP] 1.5 1.5 1.5 1.5 Poles 6 6 6 6 Frequency [Hz] 60 50 50 50 Rated voltage [V] 230/460 380 400 415 Rated current [A] 5.08/2.54 2.68 2.62 2.64 L. R. Amperes [A] 39.6/19.8 16.9 18.1 19.5 LRC [A] 7.8x(Code M) 6.3x(Code J) 6.9x(Code K) 7.4x(Code L) No load current [A] 3.25/1.63 1.60 1.71 1.80 Rated speed [RPM] 1170 955 960 965 Slip [%] 2.50 4.50 4.00 3.50 Rated torque [kgfm] 0.930 1.14 1.13 1.13 Locked rotor torque [%] 320 250 300 330 Breakdown torque [%] 400 290 330 370 Service factor 1.25 1.00 1.00 1.00 80 K Temperature rise 80 K 80 K 80 K 25s (cold) 14s (hot) Locked rotor time 28s (cold) 16s (hot) 25s (cold) 14s (hot) 25s (cold) 14s (hot) Noise level<sup>2</sup> 52.0 dB(A) 49.0 dB(A) 49.0 dB(A) 49.0 dB(A) 25% 50% 84.0 85.5 84.5 84.0 Efficiency (%) 75% 86.5 86.5 86.5 85.5 100% 87.5 85.5 86.5 86.5 25% 50% 0.45 0.52 0.48 0.45 Power Factor 75% 0.54 0.63 0.60 0.57 0.62 0.73 0.70 0.67 100% Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0,9;1,0) 13.4 13.4 13.4 13.4 P2 (0,5;1,0) 10.3 10.3 10.3 10.3 P3 (0,25;1,0) 9.3 9.3 9.3 9.3 P4 (0,9;0,5) 8.8 8.8 Losses (%) 8.8 8.8 P5 (0,5;0,5) 5.8 5.8 5.8 5.8 P6 (0,5;0,25) 4.8 4.8 4.8 4.8 P7 (0,25;0,25) 3.5 3.5 3.5 3.5 Non drive end Foundation loads Drive end Bearing type 6207 ZZ 6206 ZZ Max. traction : 65 kaf Sealing V'Ring V'Ring Max. compression : 109 kgf Lubrication interval Lubricant amount 88000 Lubricant type This revision replaces and cancel the previous one, which These are average values based on tests with sinusoidal must be eliminated. power supply, subject to the tolerances stipulated in NEMA MG-1. (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. Performed Checked Rev. **Changes Summary** Date Performed by Checked by Page Revision

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03/11/2025

Date

# DATA SHEET

Checked by

Date

03/11/2025



Three Pha	se Induction	n Motor - Squi	rrel Cage			<u> ШЕЦ</u>
Customer	:					
Notes USABLE @208\	/ 5.62A SF 1.15 S	SFA 6.46A				
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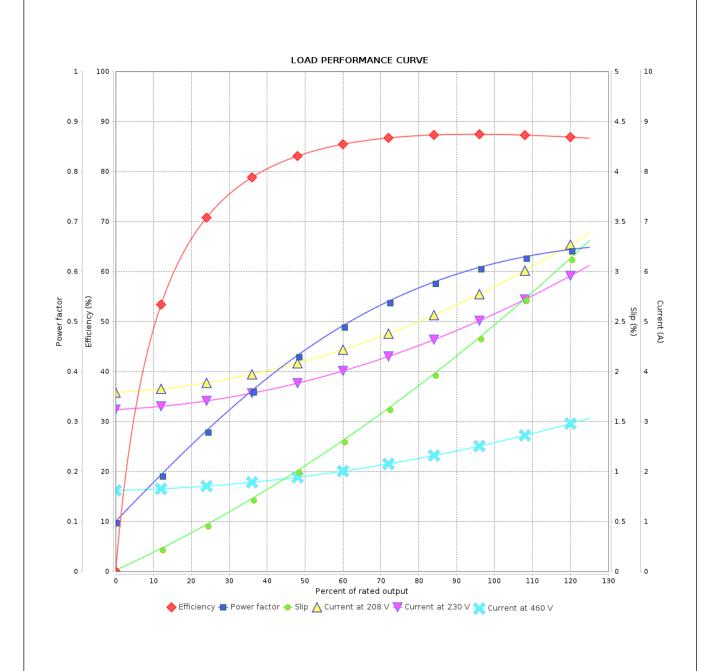
## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Product code : 12744465

Three-Phase



Performance		: 230/460 V 60 Hz 6P				
Rated current LRC Rated torque Locked rotor tor Breakdown torq Rated speed	•	: 5.08/2.54 A : 7.8 : 0.930 kgfm : 320 % : 400 % : 1170 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 0.0206 kgm : Cont.(S1) : F : 1.25 : 80 K : B	2
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#### Three Phase Induction Motor - Squirrel Cage



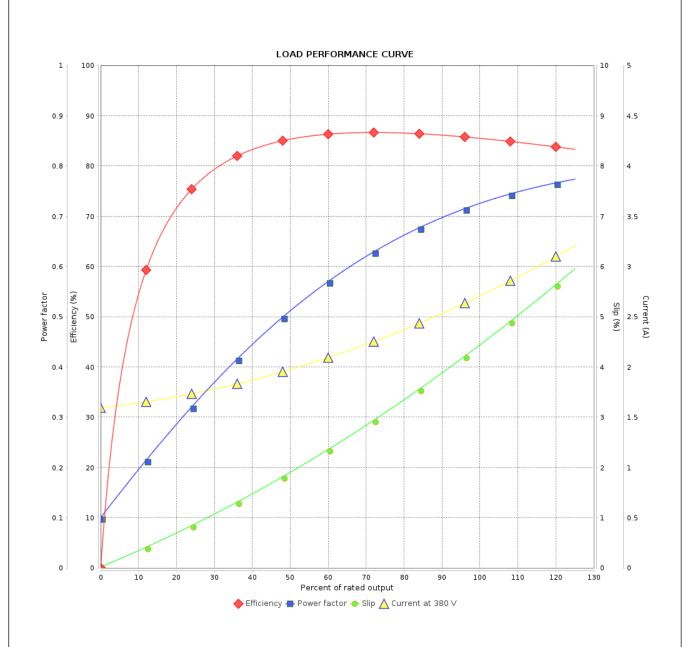
Customer

Product line : W22 NEMA Premium Efficiency

Three-Phase

Product code:

12744465



Performance : 380 V 50 Hz 6P IE4 : 0.0206 kgm<sup>2</sup> Rated current : 2.68 A Moment of inertia (J) **LRC** Duty cycle : Cont.(S1) : 6.3 : 1.14 kgfm Insulation class : F Rated torque Locked rotor torque : 250 % Service factor : 1.00 Breakdown torque : 290 % Temperature rise : 80 K Rated speed : 955 rpm Design : B

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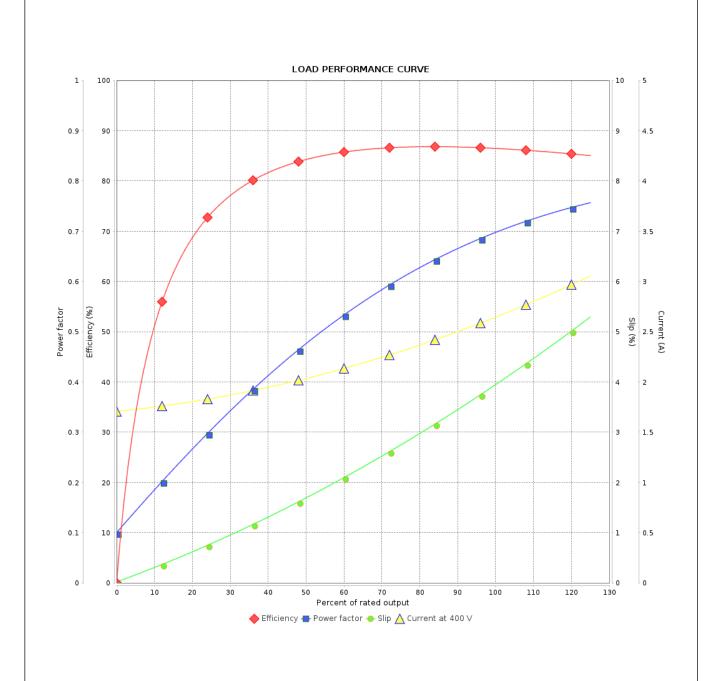
### Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Product code : 12744465

Three-Phase



Performance	: 400 V 50 Hz 6P IE4				
Rated current	: 2.62 A	Moment of inertia (J)		: 0.0206 kgm²	
LRC	: 6.9	Duty cycle		: Cont.(S1)	
Rated torque	: 1.13 kgfm	Insulation class		: F	
Locked rotor torque	: 300 %	Service factor		: 1.00	
Breakdown torque	: 330 %	Temperature rise		: 80 K	
Rated speed	: 960 rpm	Design		: B	
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Rated speed	: 96	ou rpm	Design		: B	
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### Three Phase Induction Motor - Squirrel Cage



Customer :

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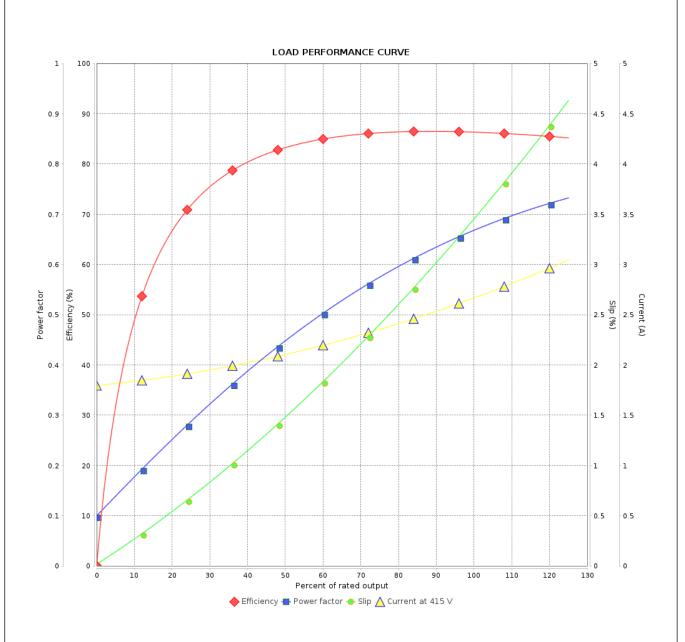
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Product line : W22 NEMA Premium Efficiency

Three-Phase

Product code: 12744465



Performance	: 415 V 50 Hz 6P IE4	·			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 2.64 A : 7.4 : 1.13 kgfm : 330 % : 370 % : 965 rpm	Moment of Duty cycle Insulation Service fa Temperat Design	class ctor	: 0.0206 kgm² : Cont.(S1) : F : 1.00 : 80 K : B	
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