DATA SHEET



Three Phase Induction Motor - Squirrel Cage Customer Product line : W22 NEMA Premium Efficiency Three-Product code: 13025590 Frame : 182/4TC Cooling method : IC411 - TEFC Insulation class Mounting : F-1 : F Duty cycle : Cont.(S1) Rotation¹ : Both (CW and CCW) Ambient temperature : -20°C to +40°C Starting method : Direct On Line : 1000 m.a.s.l. Approx. weight³ Altitude : 46.0 kg Protection degree : IP55 Moment of inertia (J) : 0.0243 kgm² Design : B Output [HP] 1.5 1.5 1.5 1.5 Poles 8 8 8 8 Frequency [Hz] 60 50 50 50 Rated voltage [V] 230/460 380 400 415 Rated current [A] 5.68/2.84 3.10 3.13 3.11 L. R. Amperes [A] 33.5/16.8 15.5 17.2 18.7 LRC [A] 5.9x(Code K) 5.0x(Code H) 5.5x(Code J) 6.0x(Code K) No load current [A] 4.20/2.10 2.00 2.30 2.50 Rated speed [RPM] 860 700 705 710 Slip [%] 4.44 6.67 6.00 5.33 Rated torque [kgfm] 1.27 1.56 1.54 1.53 Locked rotor torque [%] 229 210 240 260 Breakdown torque [%] 290 220 240 270 Service factor 1.25 1.00 1.00 1.00 Temperature rise 80 K 80 K 80 K 80 K 30s (cold) 17s (hot) 30s (cold) 17s (hot) Locked rotor time 30s (cold) 17s (hot) 30s (cold) 17s (hot) Noise level² 50.0 dB(A) 46.0 dB(A) 46.0 dB(A) 46.0 dB(A) 25% 50% 76.0 74.0 74.5 73.5 Efficiency (%) 75% 78.0 76.0 76.0 76.0 100% 78.5 77.0 76.9 76.9 25% 50% 0.43 0.51 0.47 0.44 Power Factor 75% 0.54 0.62 0.58 0.55 0.62 0.70 0.66 0.64 100% Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0,9;1,0) 25.9 28.4 28.4 28.3 P2 (0,5;1,0) 20.5 22.4 22.5 22.5 P3 (0,25;1,0) 18.6 20.3 20.4 20.4 P4 (0,9;0,5) 18.4 20.1 20.2 20.2 Losses (%) P5 (0,5;0,5) 13.2 14.4 14.4 14.4 P6 (0,5;0,25) 11.6 12.7 12.8 12.8 P7 (0,25;0,25) 8.8 9.6 9.7 9.7 Non drive end Foundation loads Drive end Bearing type 6206 ZZ 6207 ZZ Max. traction : 63 kaf Sealing V'Ring V'Ring Max. compression : 109 kgf Lubrication interval Lubricant amount Lubricant type Mobil Polyrex EM 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 (1) Looking the motor from the shaft end. MG-1. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process.

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Checked by				Page	Revision
Date	15/01/2024			1/6	
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DATA SHEET



Three Pha	se Induction Motor - Squirrel Cage			ШЕЦ
Customer	:			
Notes	/ E 07A SE 4 4E SEA 6 07A			
USABLE @208	V 5.97A SF 1.15 SFA 6.87A			
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Three Phase Induction Motor - Squirrel Cage

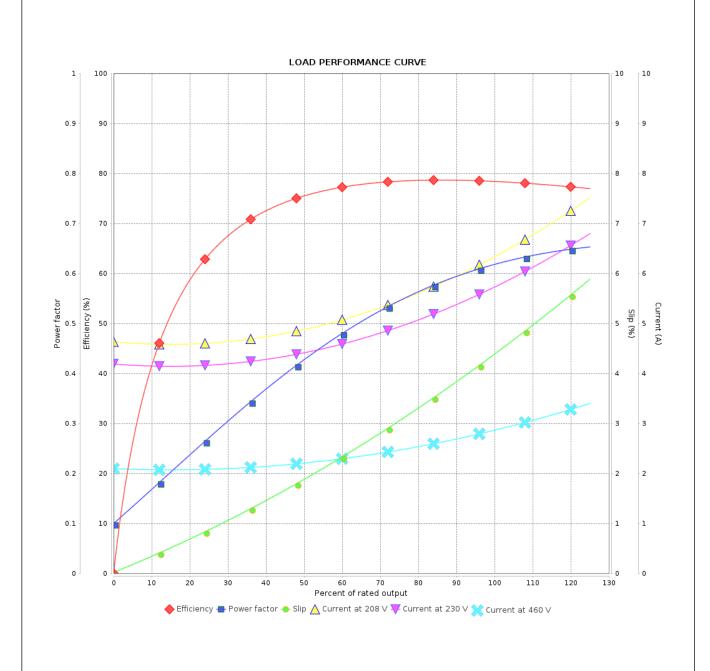


13025590

Customer :

Product line : W22 NEMA Premium Efficiency Three- Product code :

Phase



Performance : 230/460 V 60 Hz 8P Rated current : 5.68/2.84 A Moment of inertia (J) : 0.0243 kgm² **LRC** : 5.9 Duty cycle : Cont.(S1) Insulation class : F Rated torque : 1.27 kgfm Locked rotor torque : 229 % Service factor : 1.25 Breakdown torque : 290 % Temperature rise : 80 K Rated speed : 860 rpm Design : B

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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-

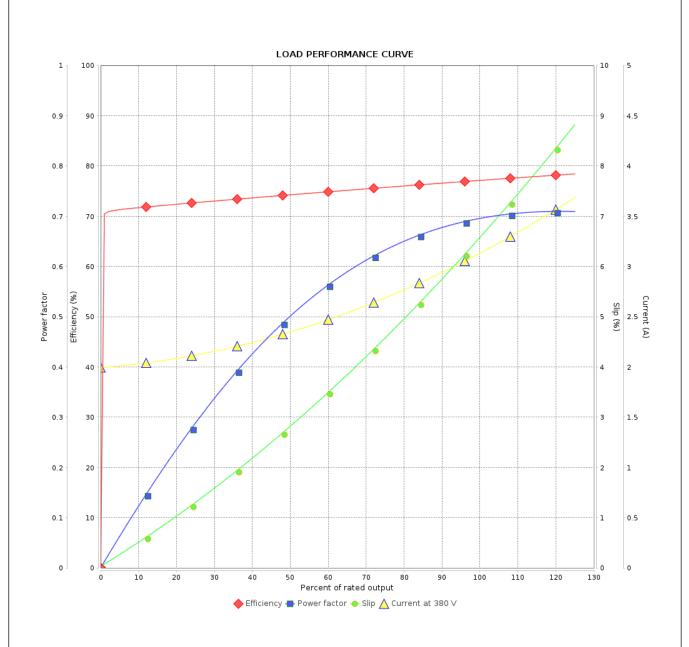
Product code:

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Phase

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Date



Performance	: 3	880 V 50 Hz 8P IE2	2			
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 5 : 1 que : 2 ue : 2	8.10 A 5.0 1.56 kgfm 210 % 220 % 700 rpm	Duty cycle Insulation Service fa	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		2
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Three Phase Induction Motor - Squirrel Cage

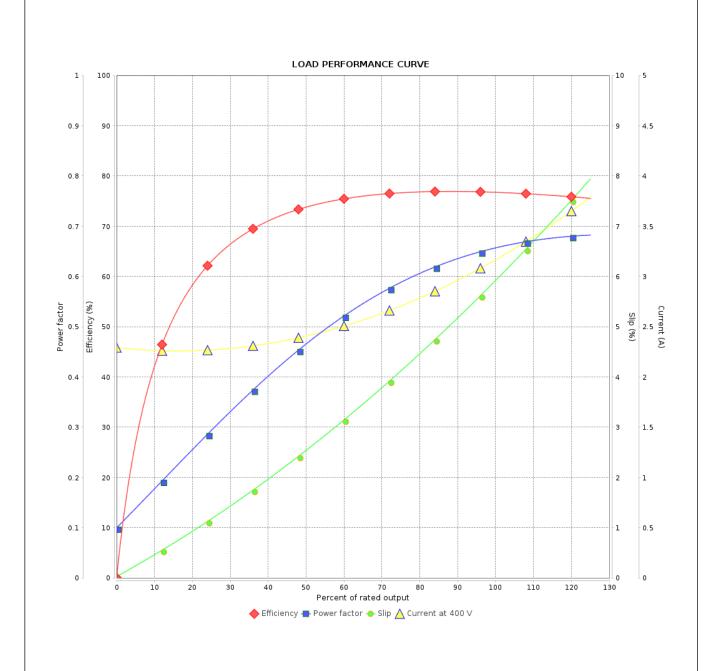


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Customer :

Product line : W22 NEMA Premium Efficiency Three- Product code :

Phase



Performance		: 400 V 50 Hz 8P IE	2			
Rated current LRC Rated torque Locked rotor tord Breakdown torque Rated speed	•	: 3.13 A : 5.5 : 1.54 kgfm : 240 % : 240 % : 705 rpm	Moment of Duty cycle Insulation Service for Temperate Design	n class actor	: 0.0243 kgm : Cont.(S1) : F : 1.00 : 80 K : B	,2
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-

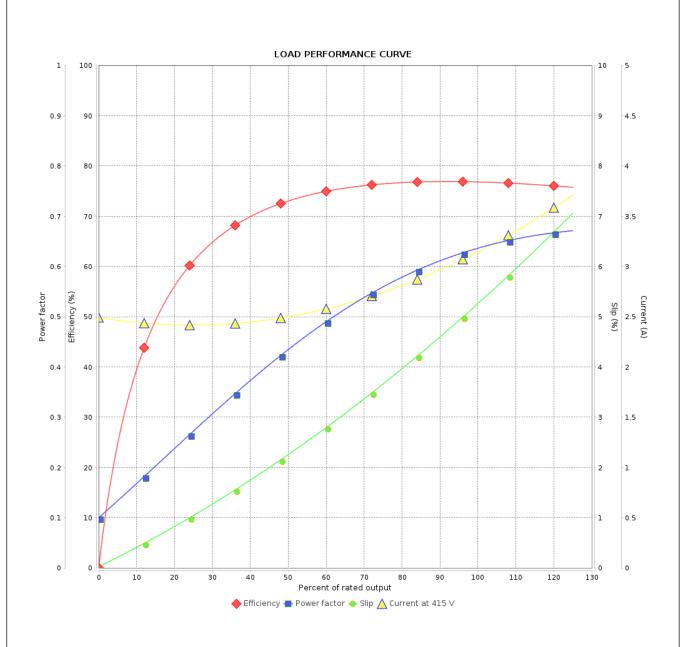
Product code:

13025590

Phase

15/01/2024

Date



		· · · ·		
Performance	: 415 V 50 Hz 8P IE2			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 3.11 A : 6.0 : 1.53 kgfm : 260 % : 270 % : 710 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 0.0243 kgm² : Cont.(S1) : F : 1.00 : 80 K : B	
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