DATA SHEET



Three Phase Induction Motor - Squirrel Cage Customer Product line : W22 NEMA Premium Efficiency Three-Product code: 11611506 Frame Cooling method : IC411 - TEFC : 445/7T Insulation class : F Mounting : F-1 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 : 1046 kg : 3.21 kgm² Protection degree : IP55 Moment of inertia (J) Design : B Output [HP] 200 200 200 200 Poles 4 4 4 4 60 50 50 50 Frequency [Hz] Rated voltage [V] 230/460 380 400 415 Rated current [A] 460/230 279 264 257 L. R. Amperes [A] 1423 1478 3128/1564 1568 LRC [A] 6.8x(Code G) 5.1x(Code E) 5.6x(Code F) 6.1x(Code G) No load current [A] 140/70.0 69.0 75.0 79.0 Rated speed [RPM] 1785 1475 1480 1480 Slip [%] 0.83 1.67 1.33 1.33 Rated torque [kgfm] 81.3 98.4 98.1 98.1 Locked rotor torque [%] 229 170 190 210 Breakdown torque [%] 250 200 220 240 Service factor 1.00 1.00 1.00 1.15 Temperature rise 80 K 105 K 105 K 105 K Locked rotor time 28s (cold) 16s (hot) 18s (cold) 10s (hot) 18s (cold) 10s (hot) 18s (cold) 10s (hot) Noise level² 73.0 dB(A) 25% 0.000 50% 95.8 94.5 95.0 95.0 Efficiency (%) 75% 96.2 95.0 95.4 95.4 100% 96.2 95.0 95.4 95.4 25% 0.00 50% 0.73 0.78 0.76 0.73 Power Factor 75% 0.82 0.85 0.84 0.82 0.85 0.86 0.85 100% 0.86 Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0,9;1,0) 4.0 4.0 4.0 4.0 P2 (0,5;1,0) 3.2 3.2 3.2 3.2 P3 (0,25;1,0) 2.9 2.9 2.9 2.9 P4 (0,9;0,5) 2.0 2.0 2.0 2.0 Losses (%) P5 (0,5;0,5) 1.3 1.3 1.3 1.3 P6 (0,5;0,25) 0.9 0.9 0.9 0.9 P7 (0,25;0,25) 0.5 0.5 0.5 0.5 Non drive end Foundation loads Drive end Bearing type 6319 C3 6316 C3 Max. traction : 1536 kaf Sealing WSeal WSeal Max. compression : 2582 kgf 8000 h 10000 h Lubrication interval Lubricant amount 45 g 34 q Mobil Polyrex EM 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 (1) Looking the motor from the shaft end. MG-1. (2) Measured at 1m and with tolerance of +3dB(A).

(3) Approximate manufacturing p	weight subject to rocess.	changes after			
Rev.		Changes Summary	Performed	Checked	Date
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DATA SHEET

Checked by

Date

13/01/2024



Three Pha	se Induction N	Notor - Squirrel	Cage			ШЕЦ
Customer	:					
Notes USABLE @208\	/ 509A SF 1.00 SFA 5	509A				
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Revision

Three Phase Induction Motor - Squirrel Cage

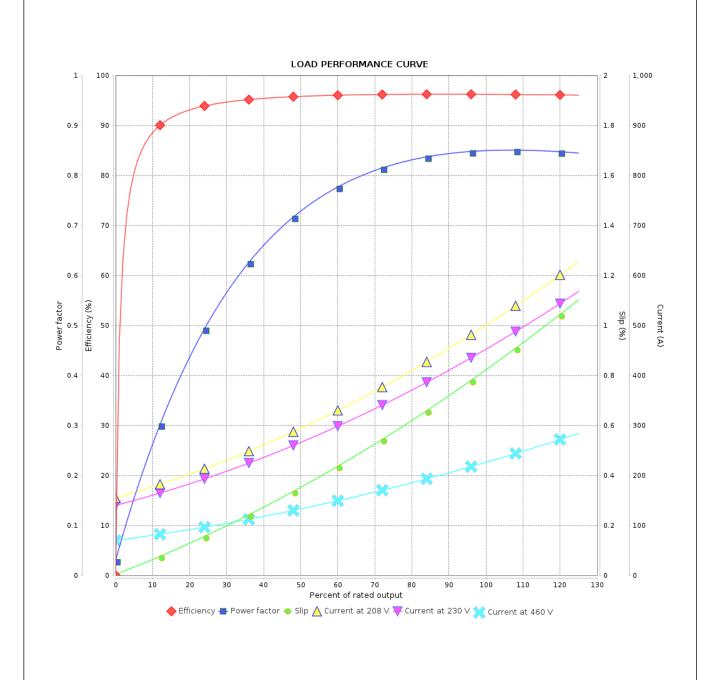


Customer :

Product line : W22 NEMA Premium Efficiency Three-

Efficiency Three- Product code :

11611506



Performance	: 2	230/460 V 60 Hz 4P					
Rated current	: 4	: 460/230 A Moment of inertia (J)		f inertia (J)	: 3.21 kgm²		
LRC	: 6	3.8	Duty cycle	Duty cycle			
Rated torque	: 8	31.3 kgfm	Insulation class		: F		
Locked rotor torque	e : 2	229 %	Service factor		: 1.15		
Breakdown torque	: 2	: 250 % : 1785 rpm		Temperature rise Design			
Rated speed	: 1						
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Three Phase Induction Motor - Squirrel Cage



Customer :

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Date

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Product line : W22 NEMA Premium Efficiency Three-

Product code:

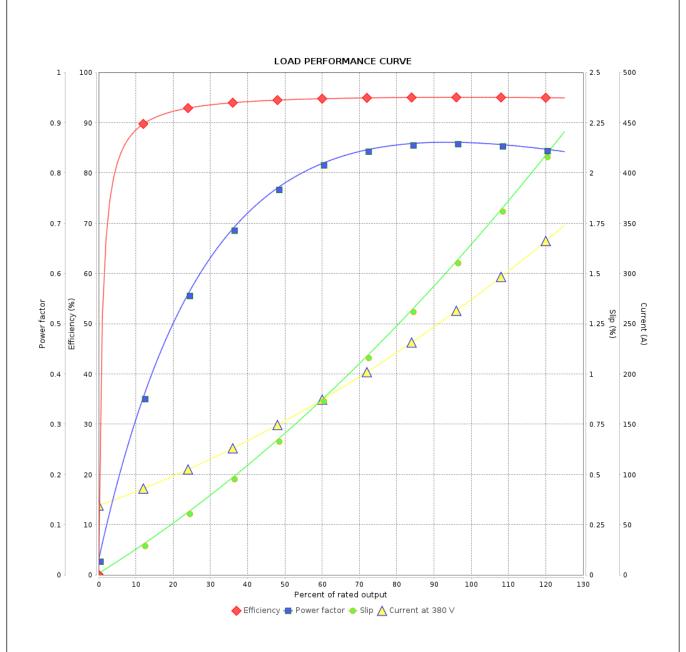
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Revision





Performance	: 380 V 50 Hz 4P IE2	2			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		Duty cycle Insulation Service fa	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		
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Three Phase Induction Motor - Squirrel Cage



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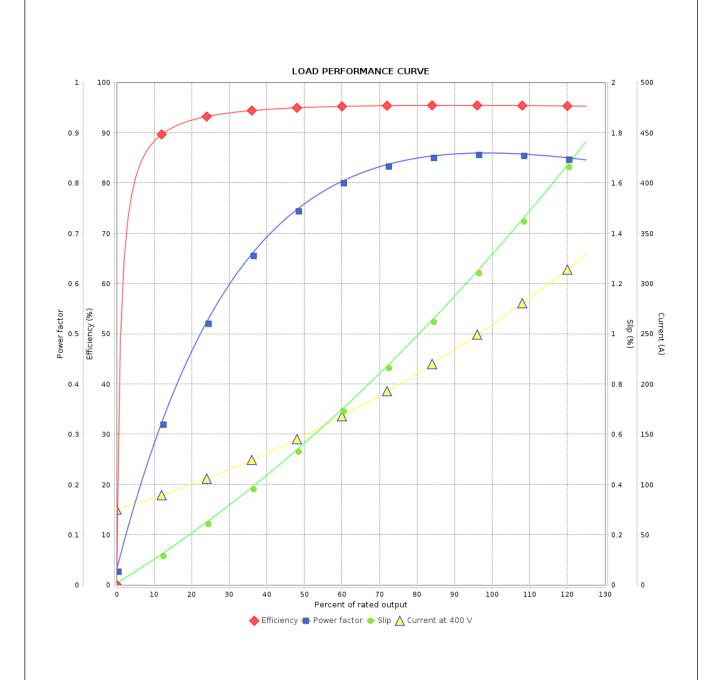
Customer :

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

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Date



Performance	: 40	00 V 50 Hz 4P IE2	2			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 5. : 98 ue : 19	64 A 6 3.1 kgfm 90 % 20 % 480 rpm	Duty cycle Insulation Service fa	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		
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Performed by						
Checked by					Page	Revision

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-

Product code:

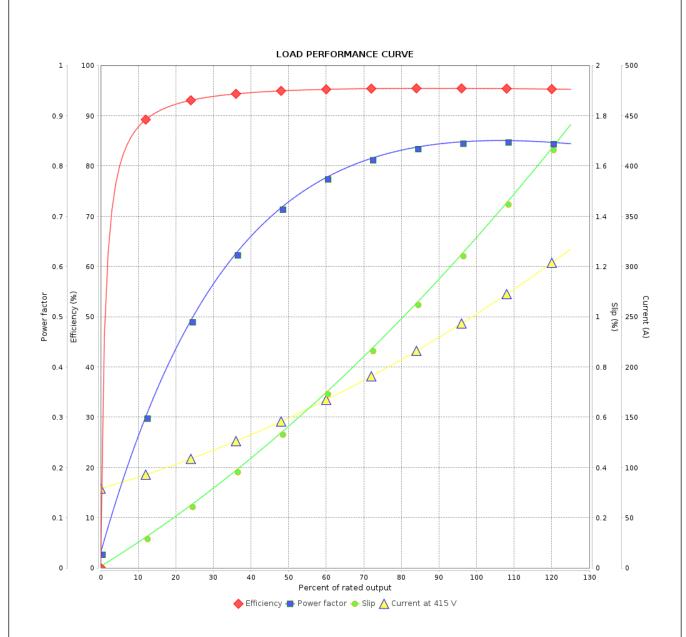
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Date



Performance	: 415 V 50 Hz 4P IE2				
renormance	. 415 V 50 HZ 4F IEZ				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 257 A : 6.1 : 98.1 kgfm : 210 % : 240 % : 1480 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 3.21 kgm² : Cont.(S1) : F : 1.00 : 105 K : B	
Rev. Changes Summary			Performed	Checked	Date
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