DATA SHEET

Checked by



Three Phase Induction Motor - Squirrel Cage Customer Product line : W22 NEMA Premium Efficiency Three-Product code: 13968684 Frame : 586/7T 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 Altitude : 1000 m.a.s.l. Approx. weight³ : 1571 kg : 7.55 kgm² Protection degree : IP55 Moment of inertia (J) Design : B Output [HP] 350 300 300 300 Poles 4 4 4 4 60 50 50 50 Frequency [Hz] Rated voltage [V] 380 460 400 415 Rated current [A] 374 394 405 384 L. R. Amperes [A] 2522 2430 2573 2693 LRC [A] 6.4x(Code G) 6.0x(Code F) 6.7x(Code G) 7.2x(Code H) No load current [A] 130 128 138 145 Rated speed [RPM] 1790 1490 1490 1490 Slip [%] 0.56 0.67 0.67 0.67 Rated torque [kgfm] 142 146 146 146 Locked rotor torque [%] 200 180 200 220 Breakdown torque [%] 200 190 210 229 Service factor 1.00 1.00 1.00 1.15 105 K Temperature rise 80 K 105 K 80 K Locked rotor time 41s (cold) 23s (hot) 27s (cold) 15s (hot) 27s (cold) 15s (hot) 27s (cold) 15s (hot) Noise level² 81.0 dB(A) 76.0 dB(A) 76.0 dB(A) 76.0 dB(A) 25% 50% 95.8 95.8 95.8 95.8 Efficiency (%) 75% 96.2 96.2 96.2 96.2 100% 96.2 96.0 96.2 96.2 25% 50% 0.76 0.77 0.74 0.72 Power Factor 75% 0.84 0.84 0.83 0.82 0.86 0.86 0.85 100% 0.86 Losses at normative operating points (speed;torque), in percentage of rated output power 4.5 4.5 P1 (0,9;1,0) 4.5 4.5 P2 (0,5;1,0) 3.3 3.3 3.3 3.3 P3 (0,25;1,0) 2.6 2.6 2.6 2.6 P4 (0,9;0,5) 2.7 2.7 2.7 2.7 Losses (%) P5 (0,5;0,5) 1.7 1.7 1.7 1.7 P6 (0,5;0,25) 1.3 1.3 1.3 1.3 P7 (0,25;0,25) 0.7 0.7 0.7 0.7 Drive end Non drive end Foundation loads Bearing type 6322 C3 6319 C3 Max. traction : 1515 kaf Sealing **Taconite** Taconite Max. compression : 3086 kgf Labyrinth Labyrinth 8000 h Lubrication interval 6000 h Lubricant amount 60 g 45 g Lubricant type Mobil Polyrex EM This revision replaces and cancel the previous one, which These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA must be eliminated. (1) Looking the motor from the shaft end. MG-1. (2) Measured at 1m and with tolerance of +3dB(A). **Changes Summary** Performed Checked Date Rev. Performed by

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Three Pha	hree Phase Induction Motor - Squirrel Cage					
Customer	:					
		Space heater in	formation			
Voltage: 200 - 24	40 V					
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-

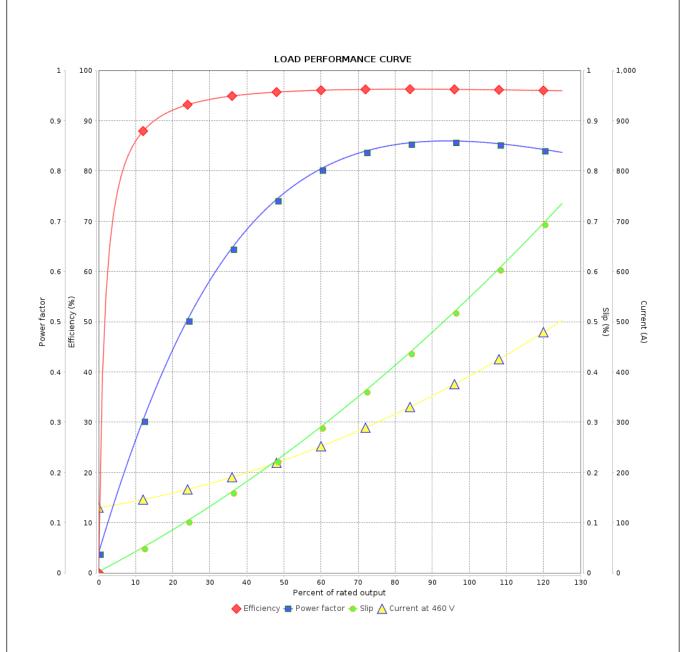
Product code:

13968684



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Date



Performance	: 460 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 394 A : 6.4 : 142 kgfm : 200 % : 200 % : 1790 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 7.55 kgm² : Cont.(S1) : F : 1.15 : 80 K : B	
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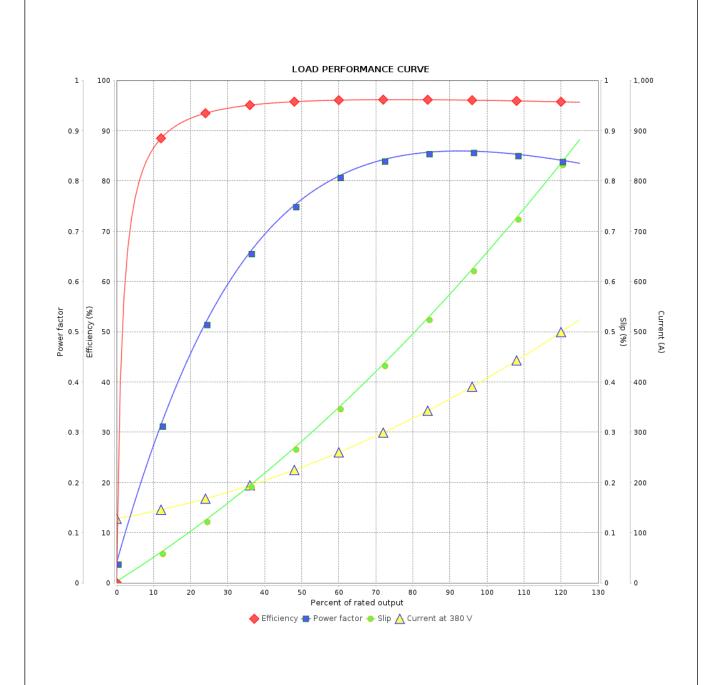
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three- Product code : 13968684

Phase



Performance		: 380 V 50 Hz 4P IE3					
Rated current		405 A	Moment o	Moment of inertia (J)			
LRC : 6.		3.0	Duty cycle		: Cont.(S1)		
Rated torque	: 1	146 kgfm	Insulation	class	: F		
Locked rotor torqu	ue : 1	180 %	Service fa	ctor	: 1.00		
Breakdown torque		190 %	Temperature rise		: 105 K		
Rated speed	: 1	1490 rpm	Design	Design			
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-

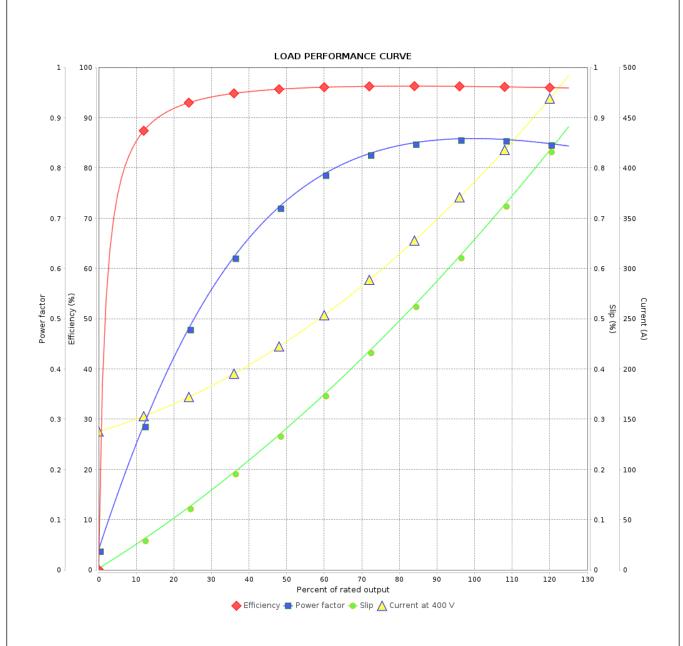
Product code:

13968684



15/01/2024

Date



Performance	: 400 V 50 Hz 4P IE3			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 384 A : 6.7 : 146 kgfm : 200 % : 210 % : 1490 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 7.55 kgm² : Cont.(S1) : F : 1.00 : 105 K : B	
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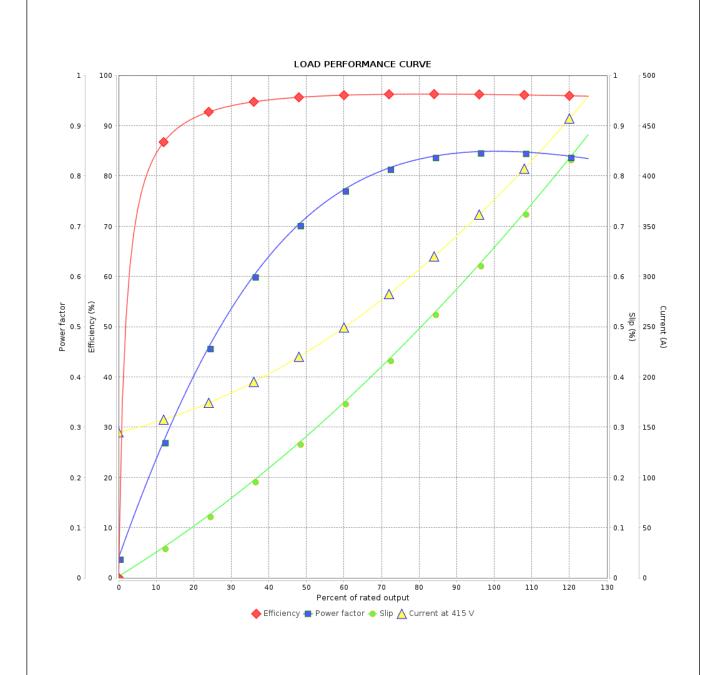
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three- Product code : 13968684

Phase



Performance	: 4	15 V 50 Hz 4P IE3				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu	: 7. : 14 que : 22	74 A 2 46 kgfm 20 % 29 %	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise		: 7.55 kgm² : Cont.(S1) : F : 1.00 : 80 K	
Rated speed	: 14	490 rpm	Design		: B	
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