DATA SHEET



Three Phase Induction Motor - Squirrel Cage Customer Product line : W22 NEMA Premium Efficiency Three-Product code: 11166723 Frame Cooling method : IC411 - TEFC : 586/7T 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 : 1664 kg Altitude Protection degree : 7.55 kgm² : IP55 Moment of inertia (J) Design : B Output [HP] 400 350 350 350 Poles 4 4 4 4 50 Frequency [Hz] 60 50 50 Rated voltage [V] 230/460 380 400 415 Rated current [A] 920/460 478 460 449 L. R. Amperes [A] 5704/2852 2677 2852 3098 LRC [A] 6.2x(Code G) 5.6x(Code F) 6.2x(Code G) 6.9x(Code H) No load current [A] 284/142 140 153 165 Rated speed [RPM] 1790 1488 1490 1491 Slip [%] 0.56 0.80 0.67 0.60 171 Rated torque [kgfm] 162 170 170 Locked rotor torque [%] 200 190 200 220 Breakdown torque [%] 229 210 229 250 Service factor 1.00 1.00 1.15 1.00 80 K Temperature rise 80 K 105 K 80 K Locked rotor time 34s (cold) 19s (hot) 21s (cold) 12s (hot) 21s (cold) 12s (hot) 21s (cold) 12s (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 96.0 96.0 96.0 100% 96.2 96.0 96.0 96.0 25% 50% 0.76 0.78 0.75 0.72 Power Factor 75% 0.83 0.84 0.82 0.81 0.85 0.85 0.84 100% 0.86 Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0,9;1,0) 4.4 4.4 4.4 P2 (0,5;1,0) 3.2 3.2 3.2 3.2 P3 (0,25;1,0) 2.6 2.6 2.6 2.6 P4 (0,9;0,5) 2.7 2.7 2.7 Losses (%) 2.7 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 Non drive end Foundation loads Drive end NU-322 C3 6319 C3 Bearing type Max. traction : 2083 kgf Sealing Taconite **Taconite** Max. compression : 3748 kgf Labyrinth Labyrinth 8000 h 4000 h Lubrication interval 60 g Lubricant amount 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 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). **Changes Summary** Rev. Performed Checked Date

Performed by					
Checked by				Page	Revision
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DATA SHEET



Three Pha	Three Phase Induction Motor - Squirrel Cage			ШЕЦ
Customer	:			
Notes USABLE @208\	/ 1006A SF 1.00 SFA 1006A			
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Three Phase Induction Motor - Squirrel Cage					
Customer	:				
		Space heater in	formation		
Voltage: 200 - 24	40 V				
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Checked by				Page	Revision
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-

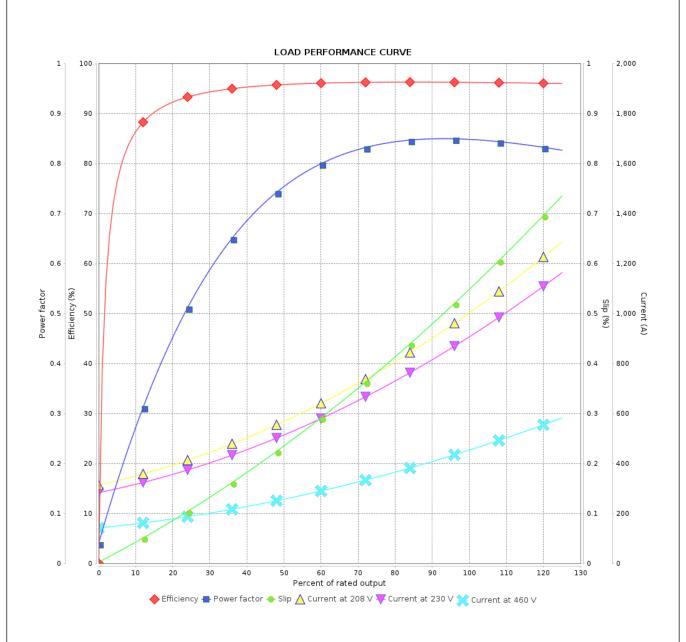
Product code:

11166723



13/01/2024

Date



Performance	: 230/460 V 60 Hz 4P			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 920/460 A : 6.2 : 162 kgfm : 200 % : 229 % : 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



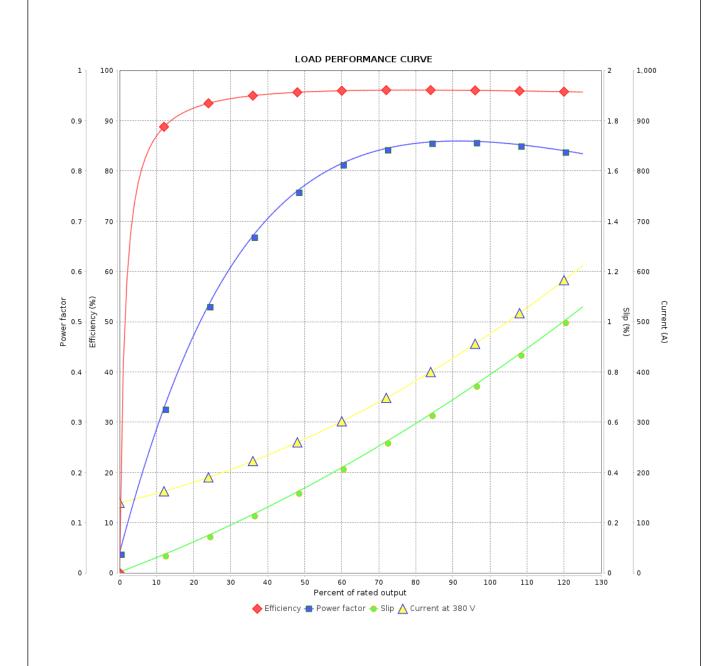
Customer :

Product line : W22 NEMA Premium Efficiency Three-

Product code:

11166723





Performance	: 38	80 V 50 Hz 4P IE3				
Rated current LRC	: 478 A : 5.6		Moment of Duty cycle	Moment of inertia (J) Duty cycle		
Rated torque Locked rotor tord		71 kgfm Insulation class 90 % Service factor		: Cont.(S1) : F : 1.00		
Breakdown torqu Rated speed	ie : 2 ⁻	10 % Temperature rise 188 rpm Design		: 105 K : B		
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Three Phase Induction Motor - Squirrel Cage

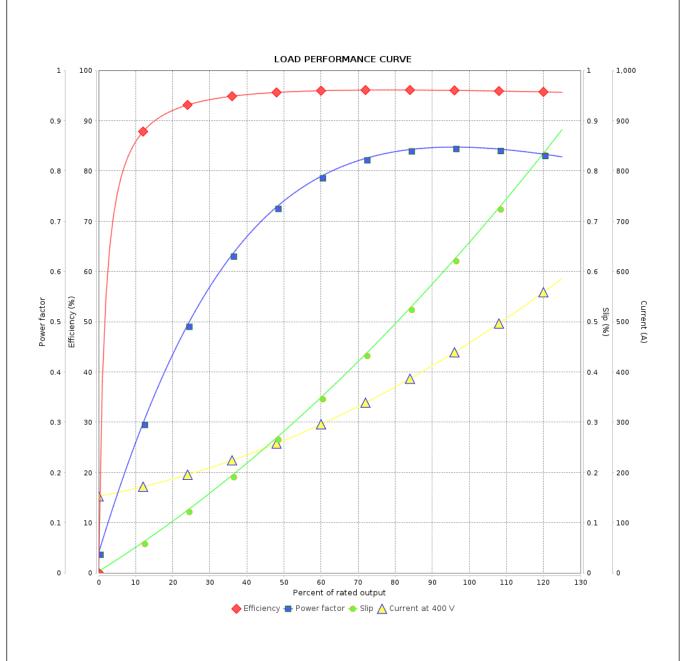


Customer

Product line : W22 NEMA Premium Efficiency Three-

Product code:

11166723



Performance	: 40	00 V 50 Hz 4P IE3				
Rated current	Rated current : 460 A		Moment of	Moment of inertia (J)		
LRC	: 6.	2	Duty cycle	е	: Cont.(S1)	
Rated torque	: 1	70 kgfm	Insulation	class	: F	
Locked rotor tord	que : 20	00 %	Service fa	actor	: 1.00	
Breakdown torqu	Breakdown torque : 229 % Temperature rise		ure rise	: 80 K		
•		490 rpm	Design		: B	
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Three Phase Induction Motor - Squirrel Cage



Customer :

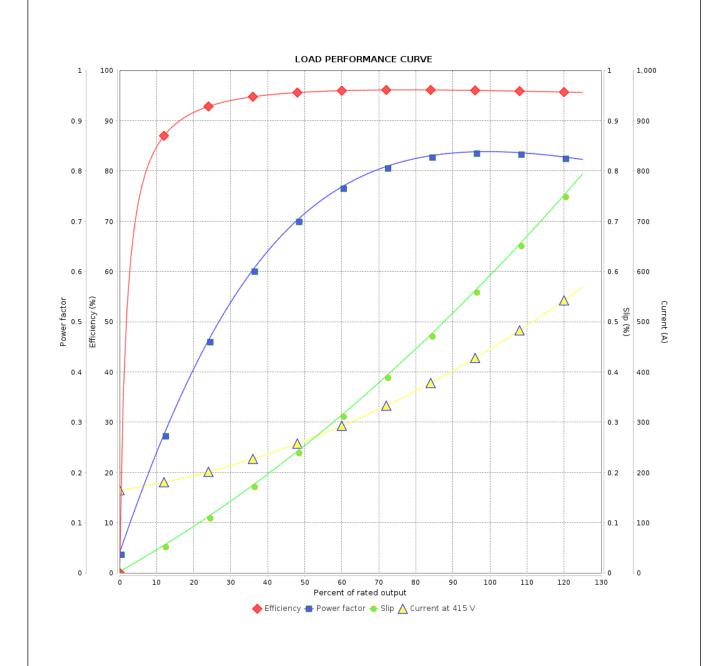
Product line : W22 NEMA Premium Efficiency Three-

Product code:

11166723

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Performance	: 415 V 50 Hz 4P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 449 A : 6.9 : 170 kgfm : 220 % : 250 % : 1491 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 7.55 kgm² : Cont.(S1) : F : 1.00 : 80 K : B	
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