DATA SHEET



Three Phase Induction Motor - Squirrel Cage Customer Product line : W22 NEMA Premium Efficiency Three-Product code: 12762729 Cooling method : IC411 - TEFC Frame : 445/7T 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 Approx. weight³ Altitude : 1000 m.a.s.l. : 1003 kg : 5.29 kgm² Protection degree : IP55 Moment of inertia (J) Design : B Output [HP] 125 125 125 150 Poles 8 8 8 8 Frequency [Hz] 60 50 50 50 Rated voltage [V] 230/460 380 400 415 Rated current [A] 370/185 183 177 175 L. R. Amperes [A] 2220/1110 1025 1097 1138 LRC [A] 6.0x(Code G) 5.6x(Code F) 6.2x(Code G) 6.5x(Code H) No load current [A] 150/75.0 78.9 83.3 86.8 Rated speed [RPM] 890 740 740 740 Slip [%] 1.11 1.33 1.33 1.33 Rated torque [kgfm] 122 123 123 123 Locked rotor torque [%] 190 170 200 220 Breakdown torque [%] 210 200 229 250 Service factor 1.15 1.15 1.15 1.15 80 K 105 K 80 K 80 K Temperature rise Locked rotor time 27s (cold) 15s (hot) 27s (cold) 15s (hot) 27s (cold) 15s (hot) 27s (cold) 15s (hot) Noise level² 63.0 dB(A) 25% 50% 94.5 94.5 94.1 93.6 Efficiency (%) 75% 94.5 94.1 94.1 94.1 100% 94.5 93.6 94.1 94.1 25% 50% 0.64 0.65 0.61 0.57 Power Factor 75% 0.74 0.75 0.72 0.69 0.79 0.78 0.76 100% 0.80 Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0,9;1,0) 5.9 5.9 5.9 P2 (0,5;1,0) 4.8 4.8 4.8 4.8 4.4 P3 (0,25;1,0) 4.4 4.4 4.4 P4 (0,9;0,5) 2.9 2.9 2.9 2.9 Losses (%) 2.0 2.0 P5 (0,5;0,5) 2.0 2.0 P6 (0,5;0,25) 1.4 1.4 1.4 1.4 P7 (0,25;0,25) 1.0 1.0 1.0 1.0 Foundation loads Drive end Non drive end Bearing type 6319 C3 6316 C3 : 2179 kaf Max. traction Sealing WSeal WSeal Max. compression : 3182 kgf 20000 h Lubrication interval 17000 h Lubricant amount 45 g 34 g 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 weight subject to changes after manufacturing process.

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Checked by

Date

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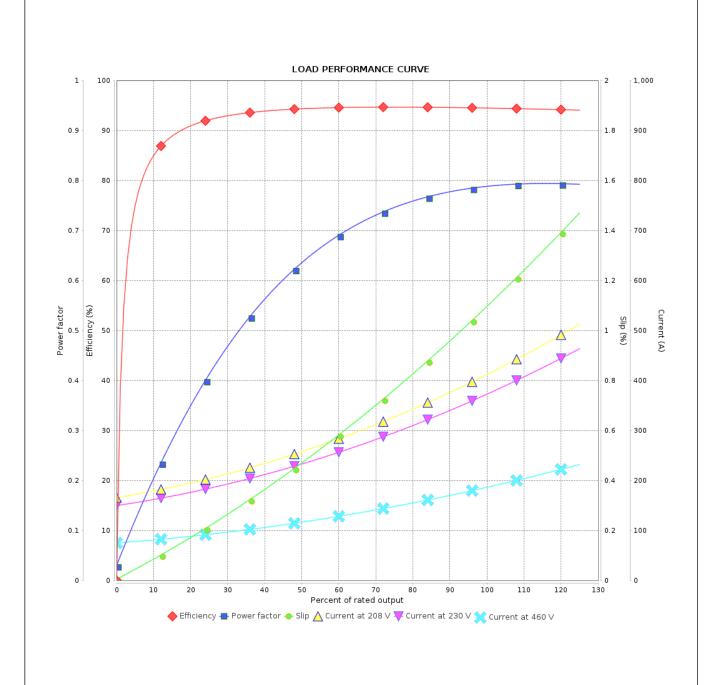
Customer :

Product line : W22 NEMA Premium Efficiency Three- Product code : 12762729

Phase

13/01/2024

Date



Performance	: 230/460 V 60 Hz 8P			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 370/185 A : 6.0 : 122 kgfm : 190 % : 210 % : 890 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 5.29 kgm² : Cont.(S1) : F : 1.15 : 80 K : B	
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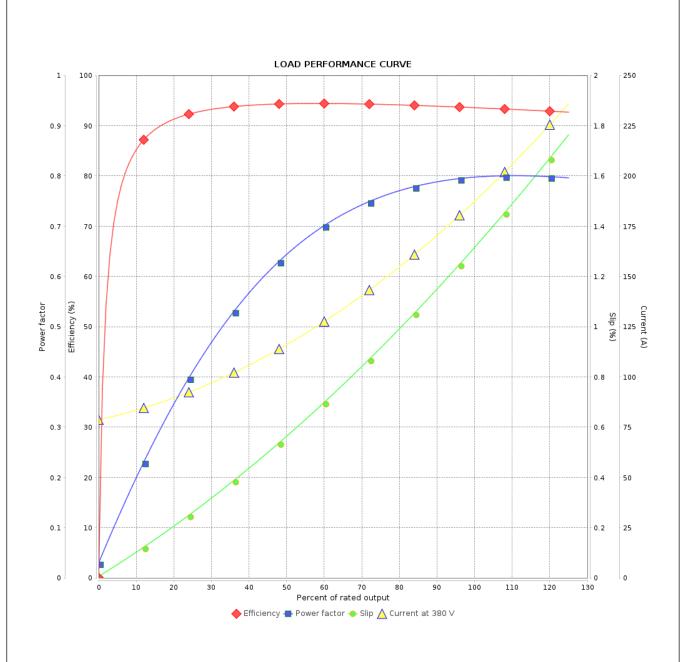
Customer :

Product line : W22 NEMA Premium Efficiency Three-

Product code:

12762729

Phase



Performance	erformance : 380 V 50 Hz 8P IE3					
Rated current : 183 A		Moment of	of inertia (J)	: 5.29 kgm²		
LRC	: 5	.6	Duty cycle		: Cont.(S1)	
Rated torque	: 1:	123 kgfm Insulation class		class	: F	
Locked rotor tord			actor	: 1.15		
Breakdown torque : 200 %		Temperat	Temperature rise			
Rated speed : 740 rpm		40 rpm	Design		: B	
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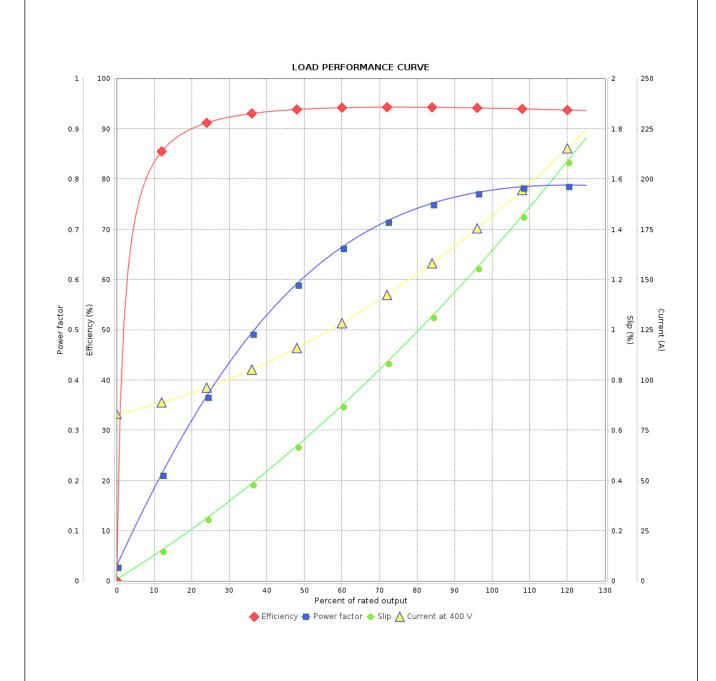
Customer :

Product line : W22 NEMA Premium Efficiency Three- Product code : 12762729

Phase

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Date



Performance	: 400 V 50 Hz 8P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 177 A : 6.2 : 123 kgfm : 200 % : 229 % : 740 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 5.29 kgm² : Cont.(S1) : F : 1.15 : 80 K : B	
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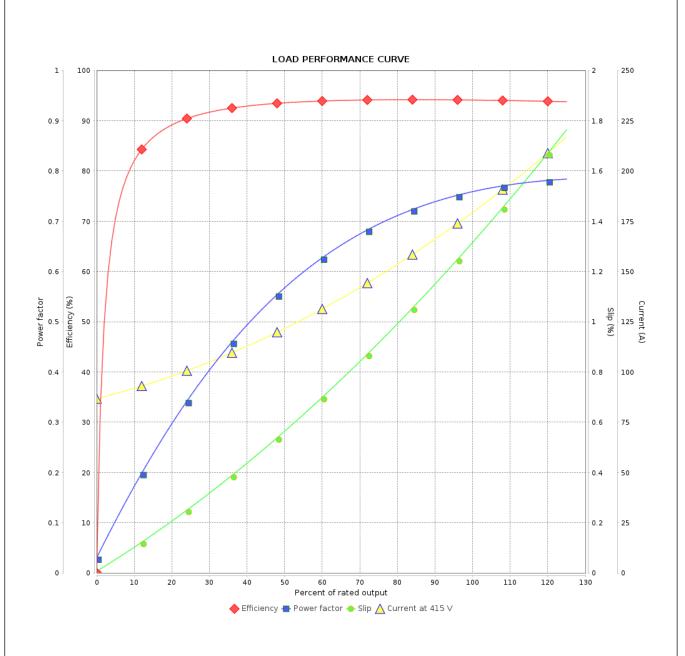
Three Phase Induction Motor - Squirrel Cage



Customer

Product line : W22 NEMA Premium Efficiency ThreeProduct code:

12762729



Performance	: 4	: 415 V 50 Hz 8P IE3				
Rated current : 175		75 A	Moment of	Moment of inertia (J)		
LRC	: 6	5.5	Duty cycle	Duty cycle		
Rated torque : 1.		23 kgfm	Insulation	Insulation class		
		20 %	Service fa	Service factor		
Breakdown torque		250 %	Temperat	Temperature rise		
Rated speed	: 7	'40 rpm	Design	Design		
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