### **DATA SHEET**



Three Phase Induction Motor - Squirrel Cage Customer Product line : W22 NEMA Premium Efficiency Three-Product code: 15556113 Frame : L447/9T Cooling method : IC411 - TEFC Insulation class Mounting : F-1 : F Duty cycle : Cont.(S1) Rotation<sup>1</sup> : Both (CW and CCW) Ambient temperature : -20°C to +40°C Starting method : Direct On Line : 1000 m.a.s.l. Approx. weight<sup>3</sup> : 1649 kg Altitude : 11.7 kgm² Protection degree : IP55 Moment of inertia (J) Design : A Output [HP] 350 300 300 300 Poles 6 6 6 6 50 Frequency [Hz] 60 50 50 Rated voltage [V] 460 380 400 415 Rated current [A] 415 420 409 404 L. R. Amperes [A] 2864 2730 2945 3192 LRC [A] 6.9x(Code H) 6.5x(Code G) 7.2x(Code H) 7.9x(Code J) No load current [A] 160 157 172 185 Rated speed [RPM] 1190 990 990 990 Slip [%] 0.83 1.00 1.00 1.00 Rated torque [kgfm] 213 220 220 220 Locked rotor torque [%] 250 220 250 280 Breakdown torque [%] 270 250 280 300 Service factor 1.00 1.00 1.00 1.15 Temperature rise 80 K 80 K 80 K 80 K 39s (cold) 22s (hot) Locked rotor time 41s (cold) 23s (hot) 45s (cold) 25s (hot) 34s (cold) 19s (hot) Noise level<sup>2</sup> 71.0 dB(A) 70.0 dB(A) 70.0 dB(A) 70.0 dB(A) 25% 50% 95.4 95.4 95.4 95.0 Efficiency (%) 75% 95.8 95.8 95.8 95.4 100% 95.8 95.8 95.8 95.8 25% 50% 0.66 0.68 0.64 0.60 Power Factor 75% 0.77 0.78 0.75 0.73 0.82 0.83 0.81 0.79 100% Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0,9;1,0) 5.1 5.1 5.1 P2 (0,5;1,0) 3.8 3.8 3.8 3.8 P3 (0,25;1,0) 3.4 3.4 3.4 3.4 2.9 P4 (0,9;0,5) 2.9 2.9 Losses (%) 2.9 P5 (0,5;0,5) 1.9 1.9 1.9 1.9 P6 (0,5;0,25) 1.4 1.4 1.4 1.4 P7 (0,25;0,25) 0.8 0.8 0.8 0.8 Non drive end Foundation loads Drive end Bearing type 6322 C3 6319 C3 Max. traction : 4947 kaf Sealing WSeal WSeal Max. compression : 6596 kgf 13000 h Lubrication interval 11000 h Lubricant amount 60 g 45 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.

- (1) Looking the motor from the shaft end.
- (2) Measured at 1m and with tolerance of +3dB(A).
- (3) Approximate weight subject to changes after manufacturing process.

power supply, subject to the tolerances stipulated in NEMA MG-1.

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#### Three Phase Induction Motor - Squirrel Cage



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#### Three Phase Induction Motor - Squirrel Cage



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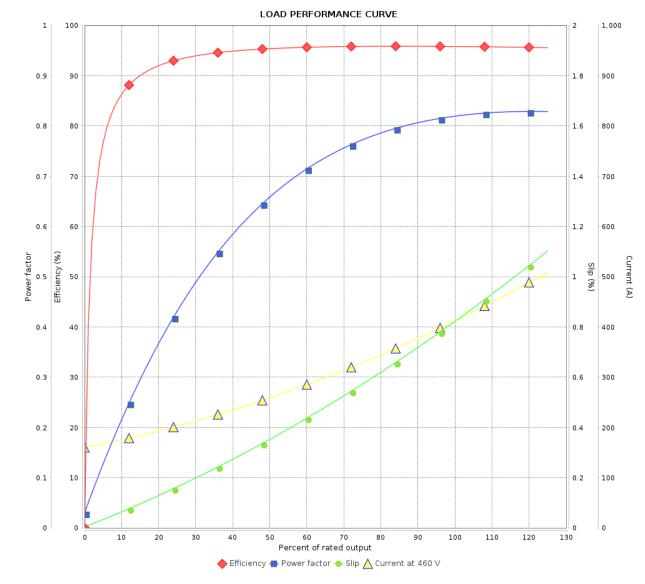
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Date

16/01/2024

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





Performance		: 460 V 60 Hz 6P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		: 415 A : 6.9 : 213 kgfm : 250 % : 270 % : 1190 rpm	Moment of Duty cycle Insulation Service fa Temperation	class ctor	: 11.7 kgm² : Cont.(S1) : F : 1.15 : 80 K : A	
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#### Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-

Product code:

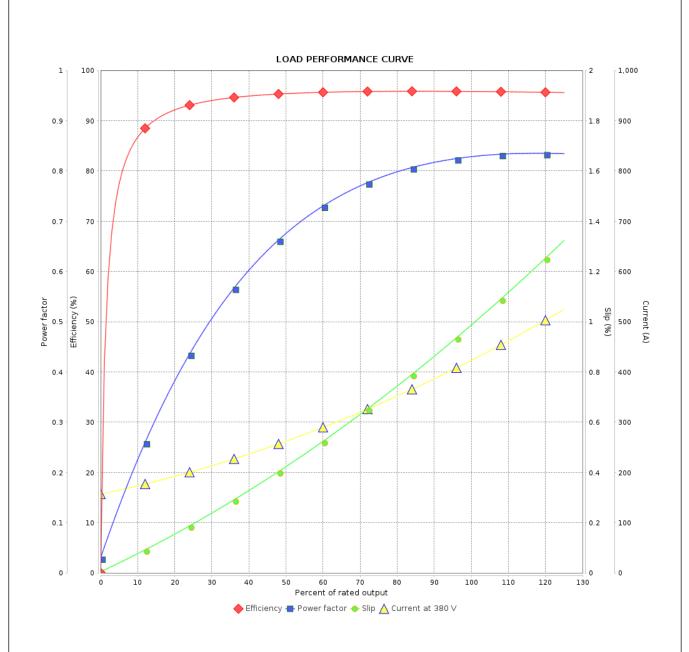
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Performance	: 380 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 420 A : 6.5 : 220 kgfm : 220 % : 250 % : 990 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 11.7 kgm <sup>2</sup> : Cont.(S1) : F : 1.00 : 80 K : A	
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#### Three Phase Induction Motor - Squirrel Cage



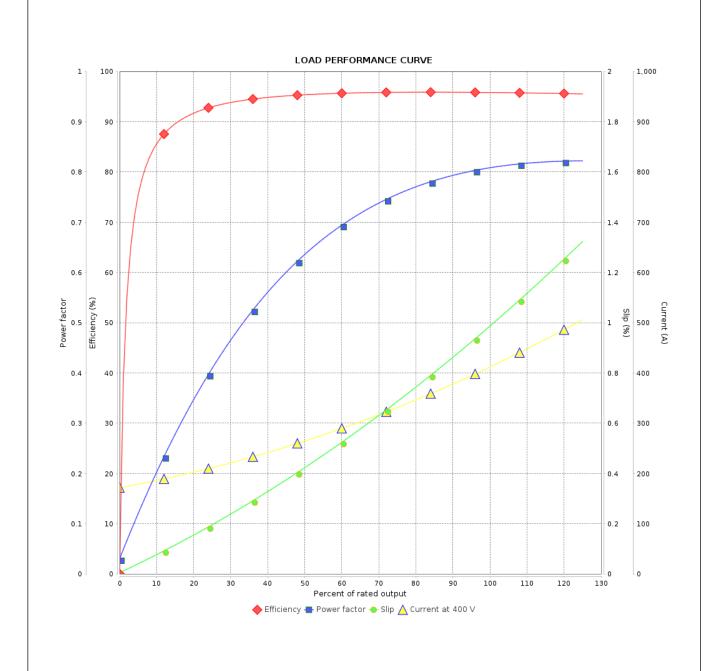
Customer :

Product line : W22 NEMA Premium Efficiency Three-

Product code:

15556113





Performance		: 400 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	lue le	: 409 A : 7.2 : 220 kgfm : 250 % : 280 % : 990 rpm	Duty cycle Insulation Service fa	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise		
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Customer :

Product line : W22 NEMA Premium Efficiency Three-

Product code:

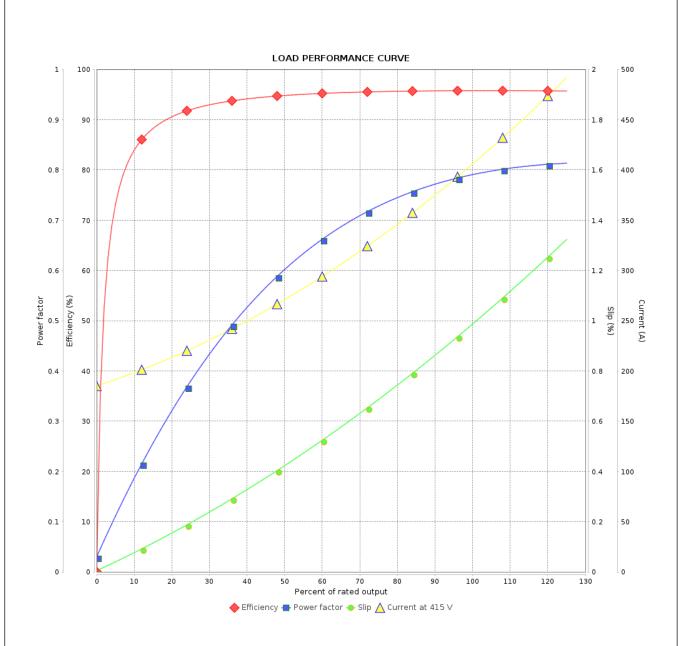
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Date



Performance	: 415 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 404 A : 7.9 : 220 kgfm : 280 % : 300 % : 990 rpm	Moment of Duty cycl Insulation Service fa Temperat Design	ı class actor	: 11.7 kgm² : Cont.(S1) : F : 1.00 : 80 K : A	
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