DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W22 NEMA Premium Efficiency Product code: 11611269 Three-Phase Frame : 254/6T 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 : 1000 m.a.s.l. Approx. weight³ : 138 kg Altitude Protection degree : IP55 Moment of inertia (J) : 0.1867 kgm² Design : B Output [HP] 10 10 10 10 Poles 6 6 6 6 Frequency [Hz] 60 50 50 50 Rated voltage [V] 230/460 415 380 400 Rated current [A] 26.6/13.3 15.4 14.8 14.4 L. R. Amperes [A] 173/86.5 78.5 84.4 87.8 LRC [A] 6.5x(Code H) 5.1x(Code F) 5.7x(Code G) 6.1x(Code H) No load current [A] 12.0/6.00 6.40 6.80 7.20 Rated speed [RPM] 1175 965 970 975 Slip [%] 2.08 3.50 3.00 2.50 Rated torque [kgfm] 6.17 7.50 7.48 7.44 Locked rotor torque [%] 229 170 200 220 Breakdown torque [%] 280 220 240 260 Service factor 1.25 1.00 1.15 1.15 Temperature rise 80 K 105 K 105 K 80 K 39s (cold) 22s (hot) Locked rotor time 46s (cold) 26s (hot) 39s (cold) 22s (hot) 39s (cold) 22s (hot) Noise level² 59.0 dB(A) 57.0 dB(A) 57.0 dB(A) 57.0 dB(A) 25% 50% 90.2 90.2 90.2 89.5 Efficiency (%) 75% 91.0 89.5 90.2 90.2 100% 91.0 89.1 89.5 89.5 25% 50% 0.63 0.66 0.63 0.60 Power Factor 75% 0.74 0.79 0.77 0.75 0.78 0.83 0.82 0.81 100% Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0,9;1,0) 9.8 9.8 9.8 9.8 P2 (0,5;1,0) 8.4 8.4 8.4 8.4 P3 (0,25;1,0) 7.8 7.8 7.8 7.8 P4 (0,9;0,5) Losses (%) 5.0 5.0 5.0 5.0 P5 (0,5;0,5) 3.6 3.6 3.6 3.6 P6 (0,5;0,25) 2.5 2.5 2.5 2.5 P7 (0,25;0,25) 1.8 1.8 1.8 1.8 Non drive end Foundation loads Drive end Bearing type 6309 C3 6209 C3 Max. traction : 235 kgf Sealing V'Ring V'Ring Max. compression : 373 kgf 20000 h Lubrication interval 20000 h Lubricant amount 13 q 9 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 MG-1. (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. Performed Checked Rev. **Changes Summary** Date Performed by Checked by Page Revision

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Three Pha	se Induction Motor - Squirrel Cage	<u> </u>		
Customer	:			
Notes USABLE @208\	/ 28.5A SF 1.15 SFA 32.8A			
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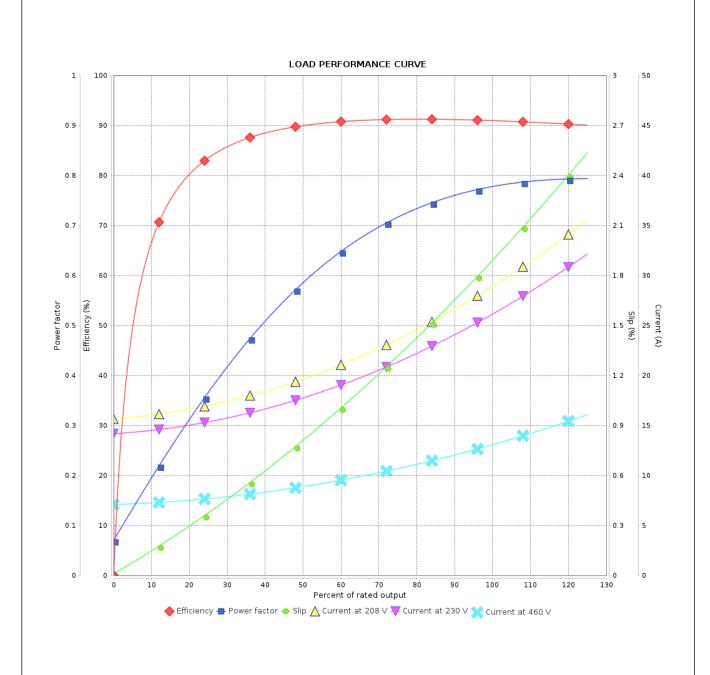
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Product code : 11611269

Three-Phase



Performance		: 230/460 V 60 Hz 6P				
Rated current : 26.6/13.3 A		Moment of inertia (J)		: 0.1867 kgm²		
LRC : 6.5		: 6.5	Duty cycle		: Cont.(S1)	
Rated torque		: 6.17 kgfm	Insulation class		: F	
Locked rotor torque		: 229 %	Service fa	ictor	: 1.25	
Breakdown torque		: 280 %	Temperature rise		: 80 K	
Rated speed : 1175 r		: 1175 rpm	Design		: B	
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Three Phase Induction Motor - Squirrel Cage



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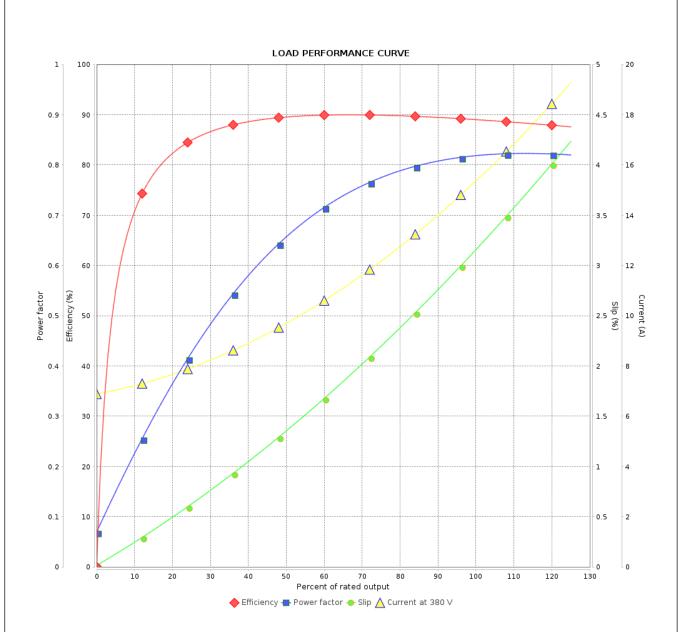
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Product line : W22 NEMA Premium Efficiency

Three-Phase

Product code: 11611269



Performance		: 380 V 50 Hz 6P	IE3				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	lue le	: 15.4 A : 5.1 : 7.50 kgfm : 170 % : 220 % : 965 rpm		Moment of Duty cycle Insulation Service fa Temperatu Design	class ctor	: 0.1867 kgm² : Cont.(S1) : F : 1.00 : 105 K : B	
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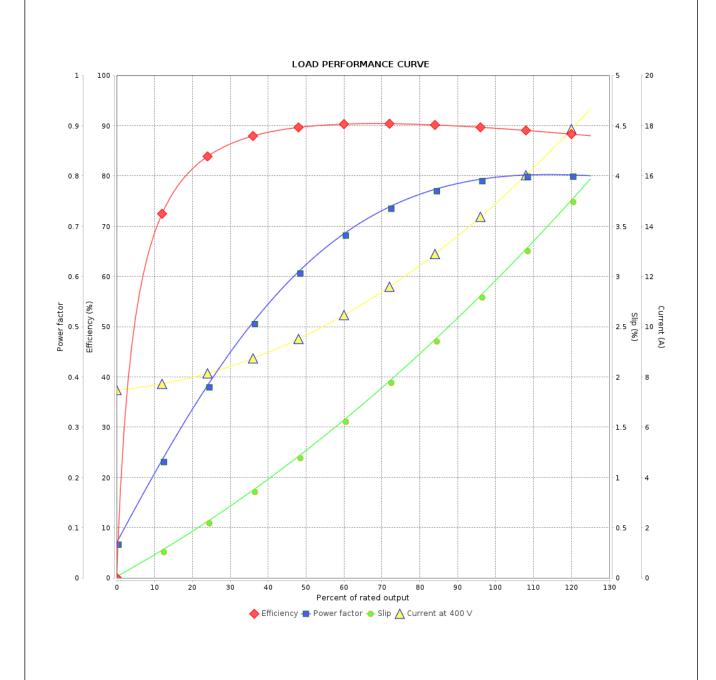
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Product code : 11611269

Three-Phase



Performance		: 400 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque		: 14.8 A : 5.7 : 7.48 kgfm : 200 % : 240 %	Duty cycle Insulation	Moment of inertia (J) Duty cycle Insulation class Service factor		2
Rated speed		: 970 rpm	Design : B		: 105 K : B	
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Three Phase Induction Motor - Squirrel Cage



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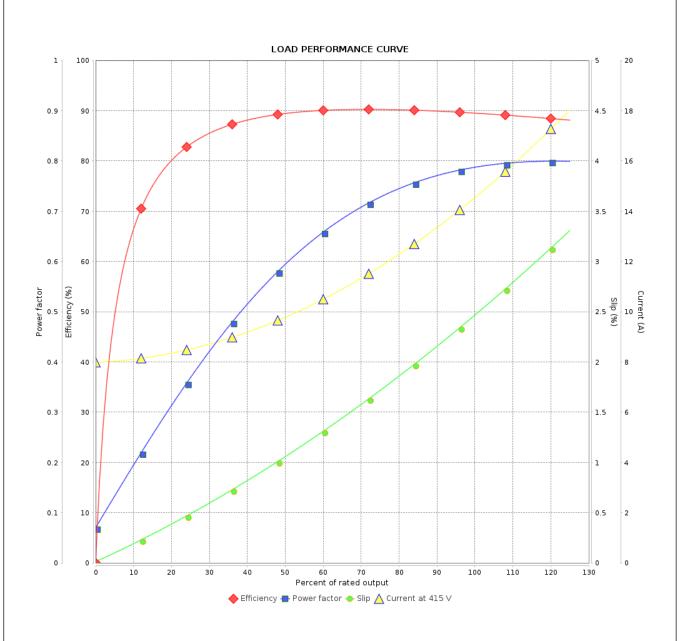
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Product line : W22 NEMA Premium Efficiency

Three-Phase

Product code: 11611269



Performance : 415 V 50 Hz 6P IE3 : 14.4 A : 0.1867 kgm² Rated current Moment of inertia (J) **LRC** Duty cycle : Cont.(S1) : 6.1 : 7.44 kgfm Insulation class Rated torque : F Locked rotor torque : 220 % Service factor : 1.15 Breakdown torque : 260 % Temperature rise : 80 K Rated speed : 975 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by Checked by Revision Page

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