DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W22 Tru-Metric IE3 Three-Phase Product code: 12567302 : 90L Cooling method : IC411 - TEFC Frame Mounting Insulation class : F : B35L(E) Duty cycle : 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 : 25.9 kg Moment of inertia (J) : 0.0026 kgm² Protection degree : IP55 : N Design 3 3 Output [HP] 3 Poles 2 2 2 Frequency [Hz] 50 50 60 Rated voltage [V] 380 415 230/460 Rated current [A] 4.52 4.37 7.70/3.85 L. R. Amperes [A] 32.1 35.0 70.1/35.0 LRC [A] 7.1 8.0 9.1 3.40/1.70 No load current [A] 1.65 2.05 Rated speed [RPM] 2840 2875 3480 Slip [%] 5.33 4.17 3.33 Rated torque [kgfm] 0.767 0.757 0.626 Locked rotor torque [%] 300 380 430 Breakdown torque [%] 380 459 310 Service factor 1.25 1.25 1.25 Temperature rise 80 K 80 K 80 K Locked rotor time 21s (cold) 12s (hot) 21s (cold) 12s (hot) 25s (cold) 14s (hot) Noise level² 62.0 dB(A) 62.0 dB(A) 68.0 dB(A) 25% 85.3 84.0 50% 86.5 Efficiency (%) 75% 86.4 86.4 85.5 100% 85.9 86.5 86.5 25% 0.70 0.61 0.64 50% Power Factor 75% 0.81 0.74 0.76 100% 0.86 0.81 0.83 Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0,9;1,0) 15.2 14.4 14.4 P2 (0,5;1,0) 11.5 11.0 11.0 P3 (0,25;1,0) 11.0 10.5 10.5 7.8 Losses (%) P4 (0,9;0,5) 8.2 7.8 P5 (0,5;0,5) 5.0 4.7 4.7 P6 (0,5;0,25) 3.5 3.3 3.3 P7 (0,25;0,25) 2.3 2.1 2.1 Drive end Non drive end Foundation loads Bearing type 6205 ZZ 6204 ZZ : 69 kgf Max traction V'Ring V'Ring : 95 kgf Sealing Max. compression Lubrication interval Lubricant amount 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). (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load.

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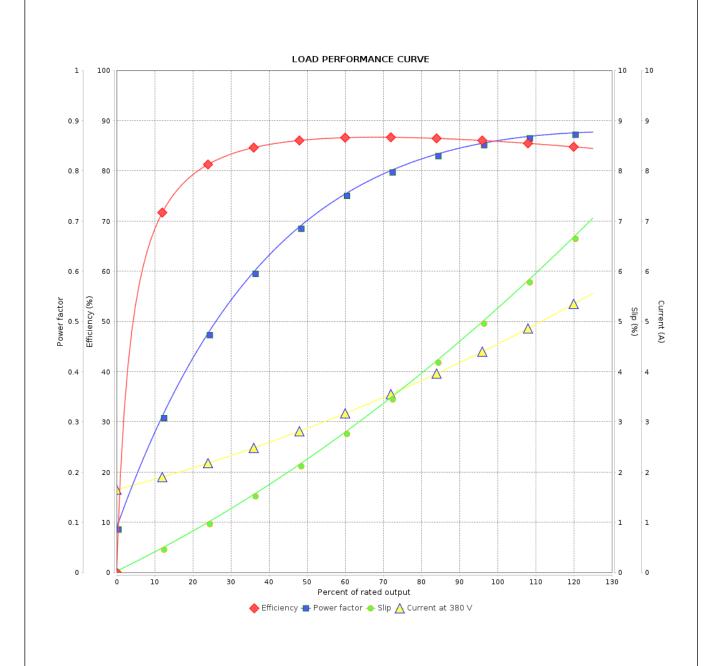
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Tru-Metric IE3 Three-Phase Product code : 12567302



Performance	: 380 V 50 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 4.52 A : 7.1 : 0.767 kgfm : 300 % : 310 % : 2840 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0026 kgm² : S1 : F : 1.25 : 80 K : N	
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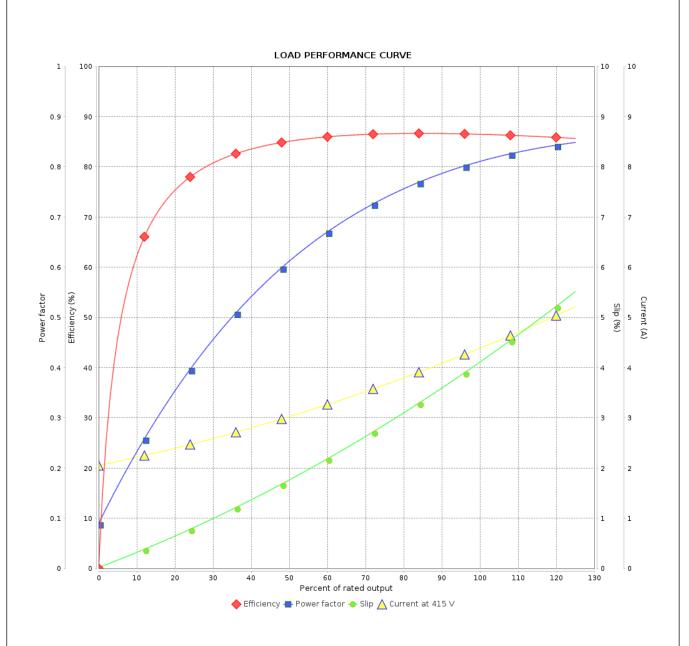
Three Phase Induction Motor - Squirrel Cage



Customer

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Product line : W22 Tru-Metric IE3 Three-Phase Product code: 12567302



Performance		: 415 V 50 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		: 4.37 A : 8.0 : 0.757 kgfm : 380 % : 380 % : 2875 rpm	Duty cycle Insulation Service fa	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise		
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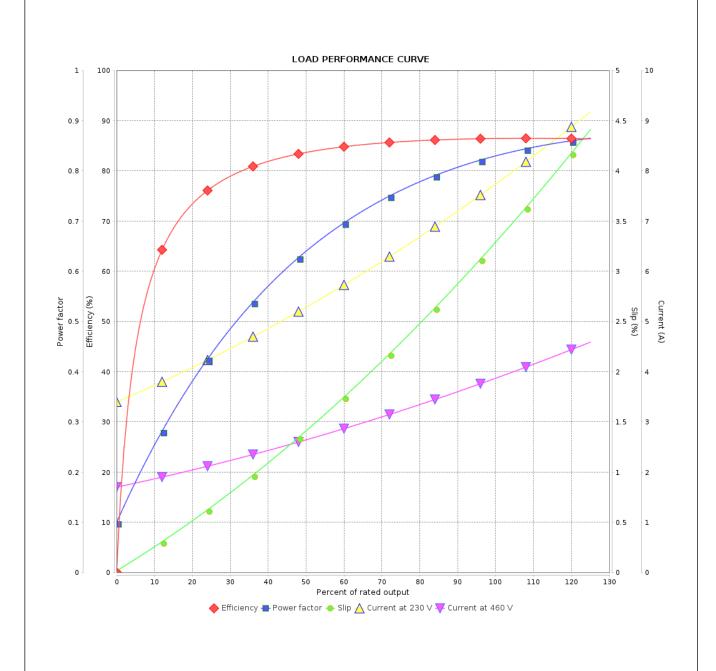
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Product line : W22 Tru-Metric IE3 Three-Phase Product code : 12567302



Performance	: 230/460 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0026 kgm² : S1 : F : 1.25 : 80 K : N	
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