DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W22 Tru-Metric IE3 Three-Phase Product code: 13724425 Frame : 112M Cooling method : IC411 - TEFC Insulation class Mounting : F : B35R(D) 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 : 45.5 kg Protection degree : IP55 Moment of inertia (J) : 0.0080 kgm² Design : N 5.5 Output [HP] 5.5 5.5 Poles 2 2 2 60 Frequency [Hz] 50 50 Rated voltage [V] 380 415 230/460 Rated current [A] 7.83 7.49 13.3/6.67 L. R. Amperes [A] 60.3 63.7 127/63.4 LRC [A] 7.7 8.5 9.5 No load current [A] 2.80 3.30 5.80/2.90 Rated speed [RPM] 3515 2890 2910 Slip [%] 3.67 3.00 2.36 Rated torque [kgfm] 1.38 1.37 1.14 Locked rotor torque [%] 229 280 280 Breakdown torque [%] 380 440 310 Service factor 1.25 1.25 1.25 Temperature rise 80 K 80 K 80 K Locked rotor time 25s (cold) 14s (hot) 25s (cold) 14s (hot) 28s (cold) 16s (hot) Noise level² 64.0 dB(A) 64.0 dB(A) 64.0 dB(A) 25% 50% 88.0 87.5 85.5 Efficiency (%) 75% 88.2 0.88 87.5 88.2 100% 88.4 88.5 25% 0.73 0.65 0.67 50% Power Factor 75% 0.83 0.77 0.79 100% 0.88 0.84 0.85 Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0,9;1,0) 12.6 12.4 12.3 P2 (0,5;1,0) 9.9 9.7 9.6 P3 (0,25;1,0) 9.6 9.5 9.4 Losses (%) P4 (0,9;0,5) 7.3 7.1 7.0 P5 (0,5;0,5) 4.5 4.4 4.4 P6 (0,5;0,25) 3.3 3.2 3.2 P7 (0,25;0,25) 2.2 2.1 2.1 Drive end Non drive end Foundation loads Bearing type 6207 ZZ 6206 ZZ Max. traction : 82 kgf V'Ring V'Ring Sealing : 127 kaf Max. compression Lubrication interval Lubricant amount 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. (4) At 100% of full load. Checked Rev. **Changes Summary** Performed Date

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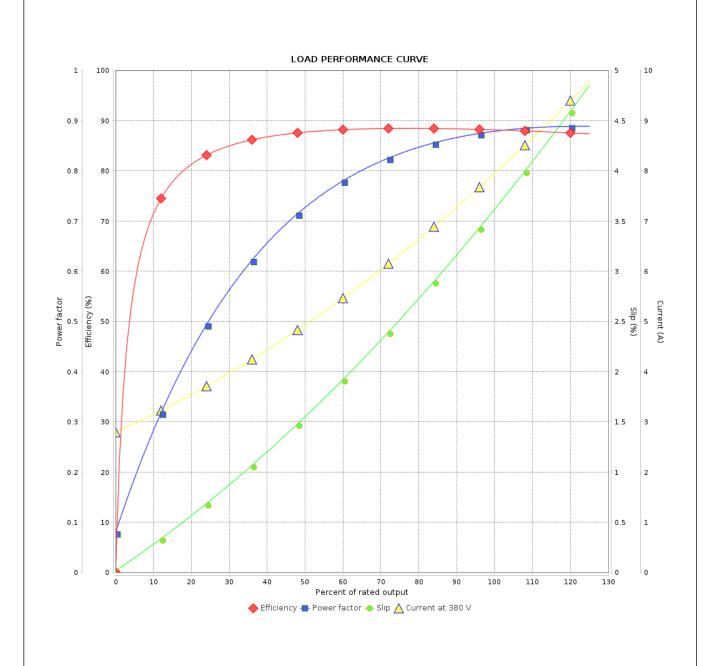
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Tru-Metric IE3 Three-Phase Product code : 13724425



Performance	: 380 V 50 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 7.83 A : 7.7 : 1.38 kgfm : 229 % : 310 % : 2890 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0080 kgm² : S1 : F : 1.25 : 80 K : N	
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Three Phase Induction Motor - Squirrel Cage



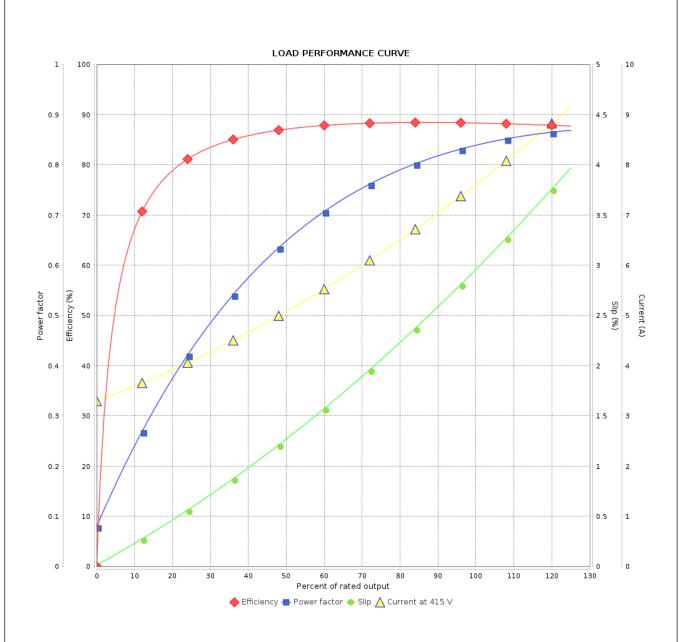
Customer :

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Date

14/01/2024

Product line : W22 Tru-Metric IE3 Three-Phase Product code : 13724425



					,	
Performance		: 415 V 50 Hz 2P				
Rated current LRC Rated torque Locked rotor tord Breakdown torque Rated speed	•	: 7.49 A : 8.5 : 1.37 kgfm : 280 % : 380 % : 2910 rpm	Duty cy Insulati Service	on class factor rature rise	: 0.0080 kgm² : S1 : F : 1.25 : 80 K : N	
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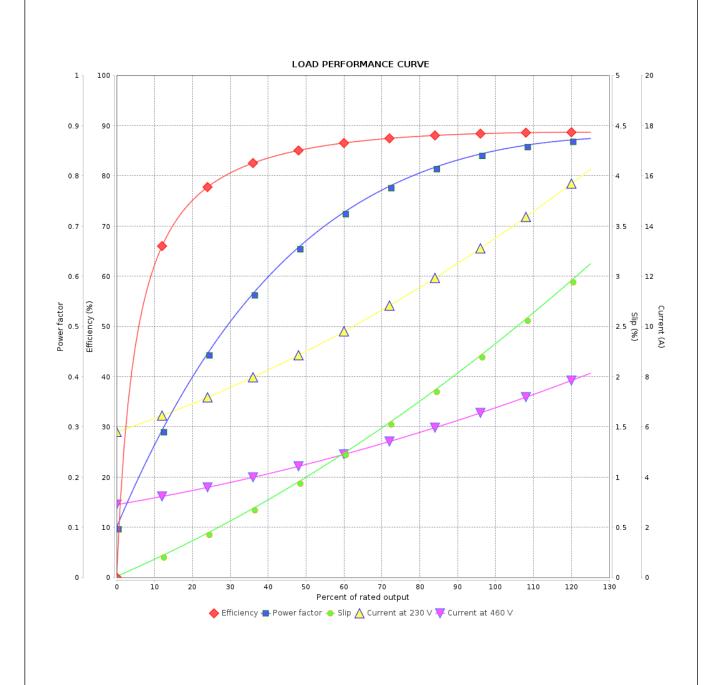
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Tru-Metric IE3 Three-Phase Product code : 13724425



Performance	: 2	30/460 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor torq Breakdown torgu	: 9 : 1 ue : 2	: 13.3/6.67 A : 9.5 : 1.14 kgfm : 280 % : 440 %		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise		
Rated speed		515 rpm Design		: 80 K : N		
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