DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W22 Tru-Metric IE3 Three-Phase Product code: 12739945 : 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 : 25.5 kg Moment of inertia (J) : 0.0066 kgm² Protection degree : IP55 : N Design Output [HP] 2 Poles 4 4 4 Frequency [Hz] 50 50 60 Rated voltage [V] 380 415 230/460 Rated current [A] 3.22 3.17 5.66/2.83 L. R. Amperes [A] 20.9 23.8 47.0/23.5 LRC [A] 6.5 7.5 8.3 No load current [A] 3.10/1.55 1.55 1.85 Rated speed [RPM] 1450 1435 1755 Slip [%] 4.33 3.33 2.50 Rated torque [kgfm] 1.01 1.00 0.827 Locked rotor torque [%] 229 280 300 Breakdown torque [%] 300 350 250 Service factor 1.25 1.25 1.25 Temperature rise 80 K 80 K 80 K Locked rotor time 25s (cold) 14s (hot) 21s (cold) 12s (hot) 25s (cold) 14s (hot) Noise level² 49.0 dB(A) 49.0 dB(A) 49.0 dB(A) 25% 85.0 82.5 50% 83.1 Efficiency (%) 75% 85.3 85.0 85.5 100% 85.3 85.6 86.5 25% 0.63 0.54 0.55 50% Power Factor 75% 0.75 0.68 0.68 100% 0.83 0.77 0.77 Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0,9;1,0) 16.1 15.8 14.6 P2 (0,5;1,0) 13.3 13.0 12.0 P3 (0,25;1,0) 13.4 13.1 12.1 Losses (%) P4 (0,9;0,5) 9.4 9.2 8.5 P5 (0,5;0,5) 6.6 6.4 5.9 P6 (0,5;0,25) 5.2 5.0 4.7 P7 (0,25;0,25) 3.8 3.7 3.4 Drive end Non drive end Foundation loads Bearing type 6205 ZZ 6204 ZZ : 69 kgf Max traction V'Ring V'Ring Sealing : 95 kgf 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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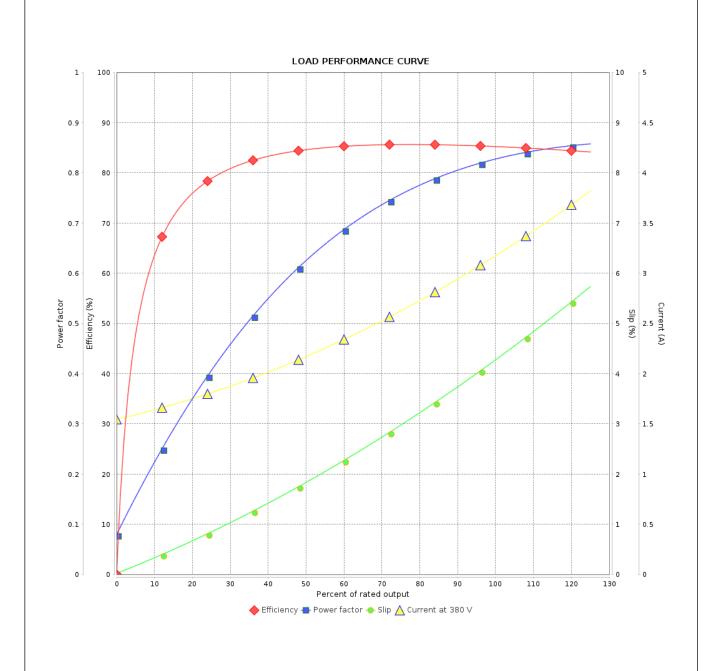
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Tru-Metric IE3 Three-Phase Product code : 12739945



Performance	: 380 V 50 Hz 4P				
Rated current LRC Rated torque	: 3.22 A : 6.5 : 1.01 kgfm	Moment of Duty cycle Insulation		: 0.0066 kgm : S1 : F	2
Locked rotor tord Breakdown torqu Rated speed	: 229 % : 250 % : 1435 rpm	Service fa Temperati Design		: 1.25 : 80 K : N	
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Three Phase Induction Motor - Squirrel Cage



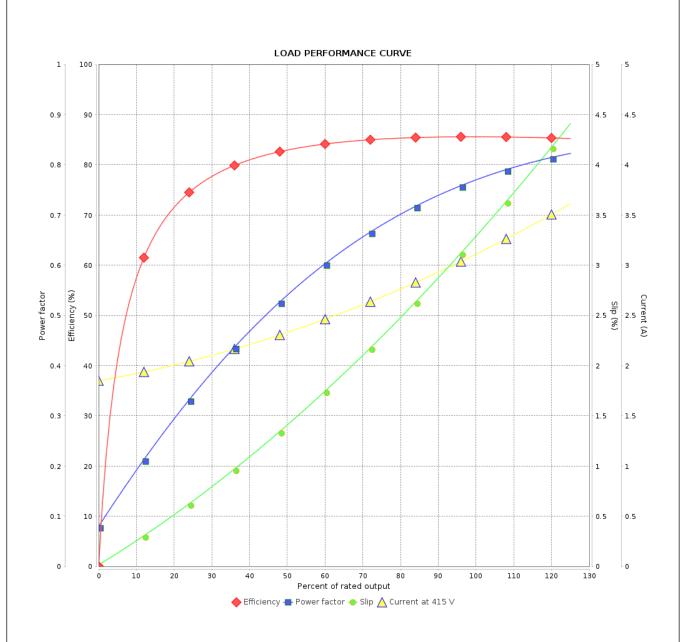
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Product line : W22 Tru-Metric IE3 Three-Phase Product code : 12739945



Performance	: 415 V 50 Hz 4P				
Rated current LRC	: 3.17 A : 7.5	Moment of Duty cycle	of inertia (J)	: 0.0066 kgm : S1	2
Rated torque Locked rotor tord Breakdown torqu	: 1.00 kgfm : 280 % : 300 %	Insulation Service fa Temperat	ictor	: F : 1.25 : 80 K	
Rated speed	: 1450 rpm	Design		: N	
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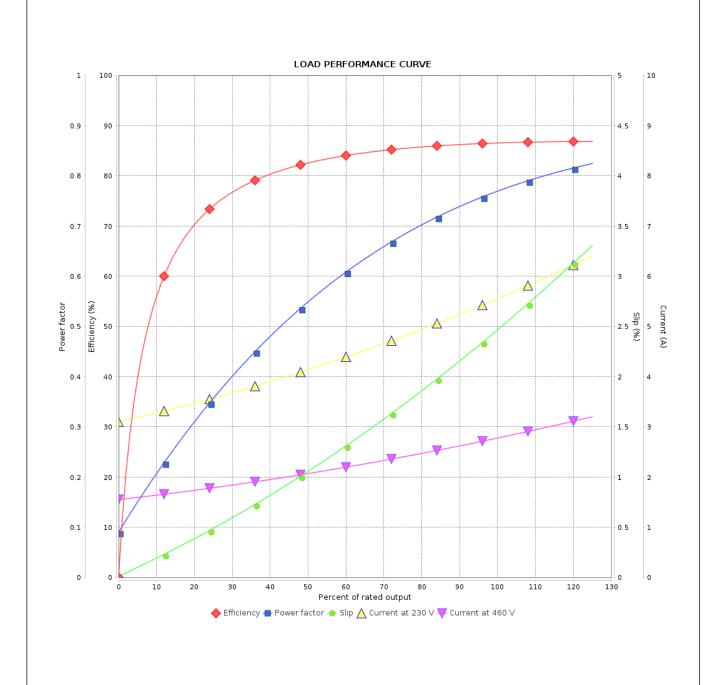
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Tru-Metric IE3 Three-Phase Product code : 12739945



Performance	: 2	30/460 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		66/2.83 A .3 .827 kgfm 00 % 50 % 755 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0066 kgm² : S1 : F : 1.25 : 80 K : N	
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