DATA SHEET



Three Phase Induction Motor - Squirrel Cage Customer Product line : Multimounting IE3 Three-Phase Product code: 13983263 : 132S Cooling method : IC411 - TEFC Frame Mounting Insulation class : F : B3L(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 : 62.7 kg Moment of inertia (J) Protection degree : IP55 : 0.0252 kgm² : N Design Output [HP] 10 10 10 Poles 2 2 2 Frequency [Hz] 50 50 60 Rated voltage [V] 380 415 230/460 Rated current [A] 14.3 13.8 24.6/12.3 L. R. Amperes [A] 122 126 239/119 LRC [A] 8.5 9.7 9.1 10.4/5.20 No load current [A] 5.00 6.00 Rated speed [RPM] 2935 2945 3550 Slip [%] 2.17 1.83 1.39 Rated torque [kgfm] 2.47 2.46 2.04 300 Locked rotor torque [%] 220 270 Breakdown torque [%] 400 300 370 Service factor 1.25 1.25 1.25 Temperature rise 80 K 80 K 80 K Locked rotor time 21s (cold) 0s (hot) 18s (cold) 0s (hot) 23s (cold) 0s (hot) Noise level² 67.0 dB(A) 67.0 dB(A) 67.0 dB(A) 25% 89.6 88.6 50% 86.5 Efficiency (%) 75% 90.6 90.3 89.5 100% 90.6 90.8 90.2 25% 0.74 0.65 0.68 50% Power Factor 75% 0.84 0.77 0.79 100% 0.88 0.83 0.85 Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0,9;1,0) 9.9 12.1 10.4 P2 (0,5;1,0) 7.4 8.6 7.8 P3 (0,25;1,0) 6.6 7.1 6.9 Losses (%) P4 (0,9;0,5) 6.0 6.5 6.3 P5 (0,5;0,5) 3.6 3.9 3.8 P6 (0,5;0,25) 2.8 2.8 2.9 P7 (0,25;0,25) 1.7 1.8 Drive end Non drive end Foundation loads Bearing type 6308 ZZ 6207 ZZ : 120 kgf Max. traction V'Ring V'Ring : 182 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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Three Phase Induction Motor - Squirrel Cage



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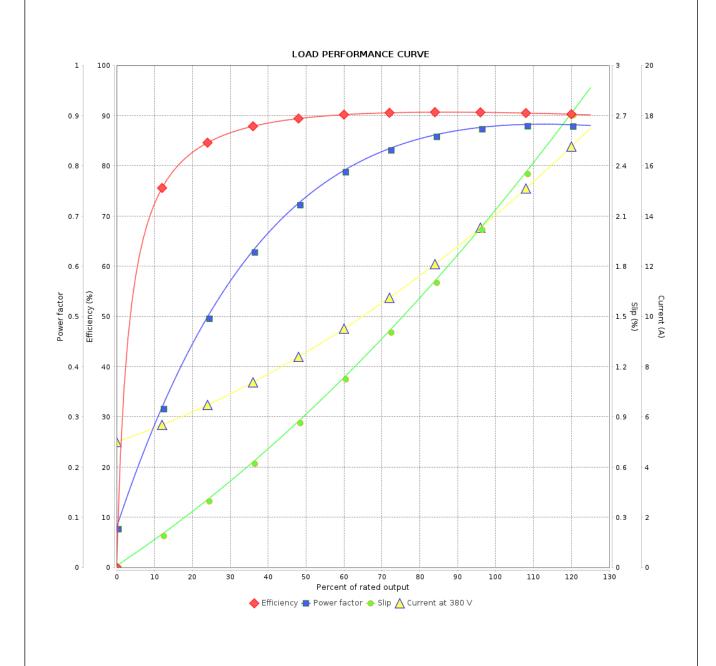
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Multimounting IE3 Three-Phase Product code : 13983263



Performance	: 380 V 50 Hz 2P			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 14.3 A : 8.5 : 2.47 kgfm : 220 % : 300 % : 2935 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 0.0252 kgm² : S1 : F : 1.25 : 80 K : N	
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Three Phase Induction Motor - Squirrel Cage



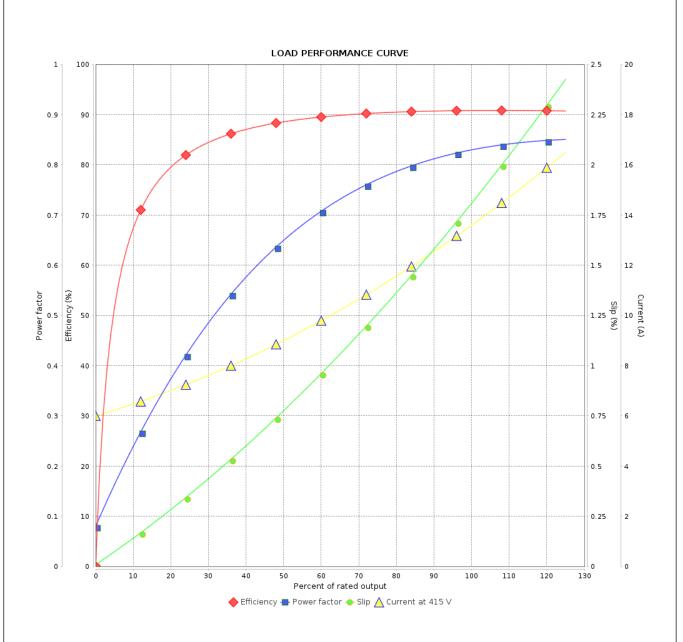
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Product line : Multimounting IE3 Three-Phase Product code : 13983263



Performance	: 4	15 V 50 Hz 2P				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 9 : 2 jue : 2	3.8 A 9.1 9.46 kgfm 9.70 % 9.945 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 0.0252 kgm² : S1 : F : 1.25 : 80 K : N	
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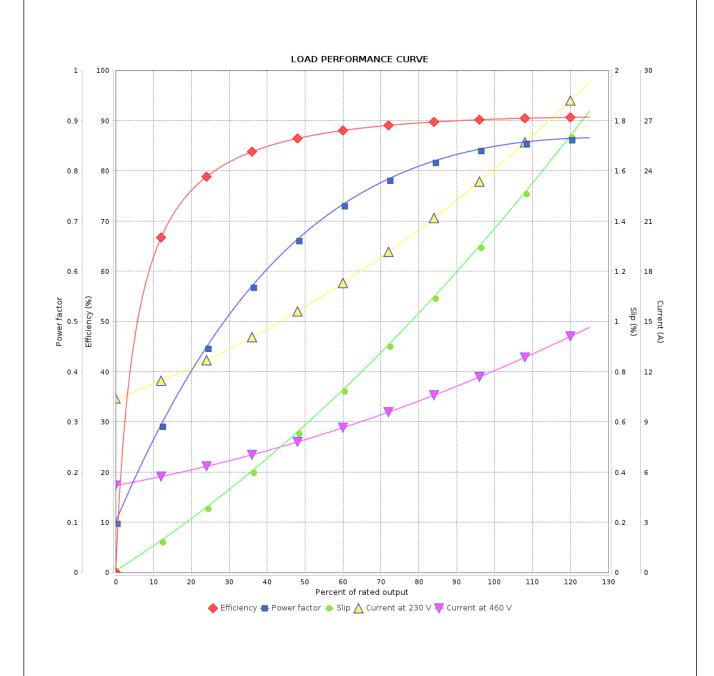
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Multimounting IE3 Three-Phase Product code : 13983263



Performance	: 23	230/460 V 60 Hz 2P					
LRC : 9.		4.6/12.3 A .7 .04 kgfm	Duty cycle	Moment of inertia (J) Duty cycle Insulation class		: 0.0252 kgm² : S1 : F	
Breakdown torque :		00 % 00 % 550 rpm		Service factor Temperature rise Design			
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