DATA SHEET



Three Phase Induction Motor - Squirrel Cage Customer Product line : W22 Tru-Metric IE3 Three-Phase Product code: 14056628 : 132S Cooling method : IC411 - TEFC Frame Insulation class Mounting : 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 : 74.1 kg Protection degree Moment of inertia (J) : IP55 : 0.0252 kgm² : N Design 10 Output [HP] 10 10 Poles 2 2 2 Frequency [Hz] 50 50 60 Rated voltage [V] 380 415 230/460 Rated current [A] 14.4 14.0 24.6/12.3 L. R. Amperes [A] 108 126 226/113 LRC [A] 7.5 9.0 9.2 No load current [A] 11.2/5.60 5.40 6.60 Rated speed [RPM] 2930 2945 3550 Slip [%] 2.33 1.83 1.39 Rated torque [kgfm] 2.48 2.46 2.04 Locked rotor torque [%] 210 270 280 Breakdown torque [%] 320 340 260 1.25 Service factor 1.25 1.25 Temperature rise 80 K 80 K 80 K Locked rotor time 14s (cold) 8s (hot) 14s (cold) 8s (hot) 18s (cold) 10s (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% 90.0 90.0 89.5 100% 90.1 90.1 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) 10.5 10.5 10.3 P2 (0,5;1,0) 7.8 7.8 7.7 P3 (0,25;1,0) 6.9 6.9 6.8 Losses (%) P4 (0,9;0,5) 6.5 6.5 6.4 P5 (0,5;0,5) 3.9 3.9 3.9 P6 (0,5;0,25) 3.0 3.0 3.0 P7 (0,25;0,25) 1.9 1.9 1.9 Drive end Non drive end Foundation loads Bearing type 6308 ZZ 6207 ZZ : 91 kgf Max traction V'Ring V'Ring Sealing : 165 kaf 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 ft	ili load.				
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DATA SHEET

Three Phase Induction Motor - Squirrel Cage



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Three Phase Induction Motor - Squirrel Cage

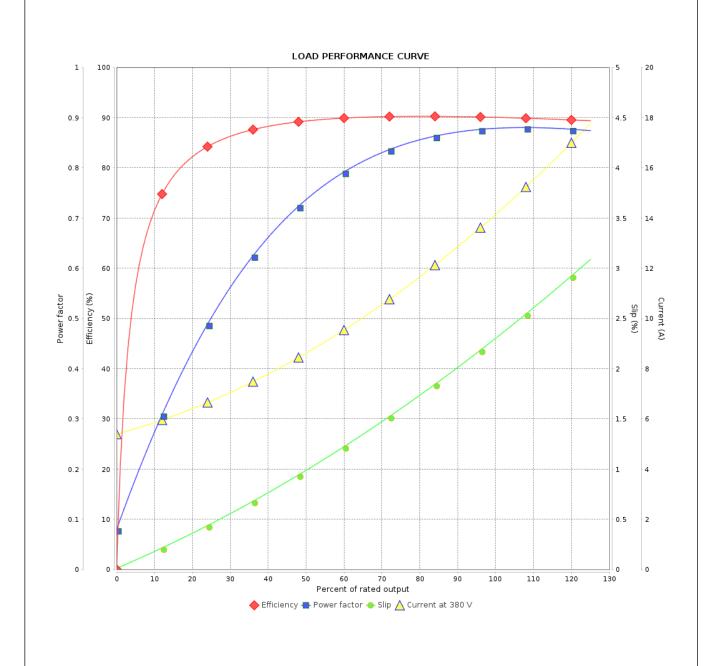


Customer :

Date

14/01/2024

Product line : W22 Tru-Metric IE3 Three-Phase Product code : 14056628



Performance	: 380 V 50 Hz 2P				
Rated current	: 14.4 A	: 14.4 A Moment of inertia (J)		: 0.0252 kgm²	
LRC	: 7.5	Duty cycle		: S1	
Rated torque	: 2.48 kgfm	Insulation class		: F	
Locked rotor torque	: 210 %	Service factor		: 1.25	
Breakdown torque	: 260 %	Temperature rise		: 80 K	
Rated speed	: 2930 rpm	Design		: N	
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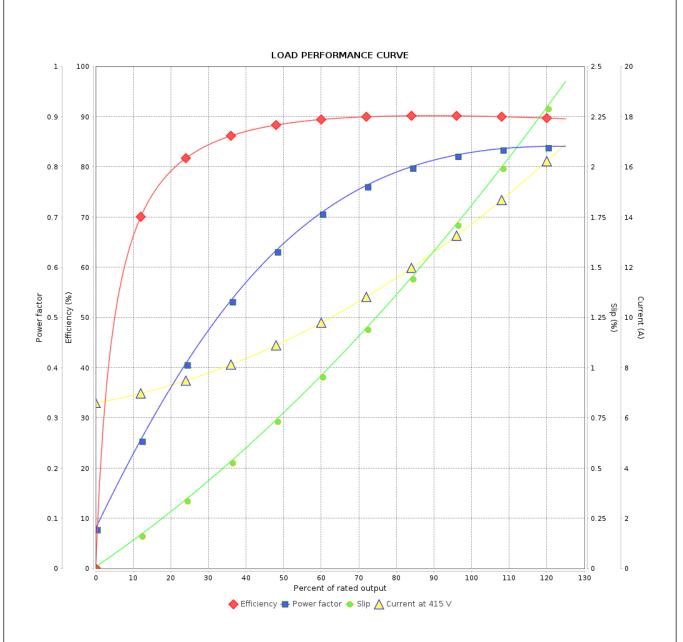
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Tru-Metric IE3 Three-Phase Product code : 14056628



Performance	: 415 V 50 Hz 2P						
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 14.0 A : 9.0 : 2.46 kgfm : 270 % : 320 % : 2945 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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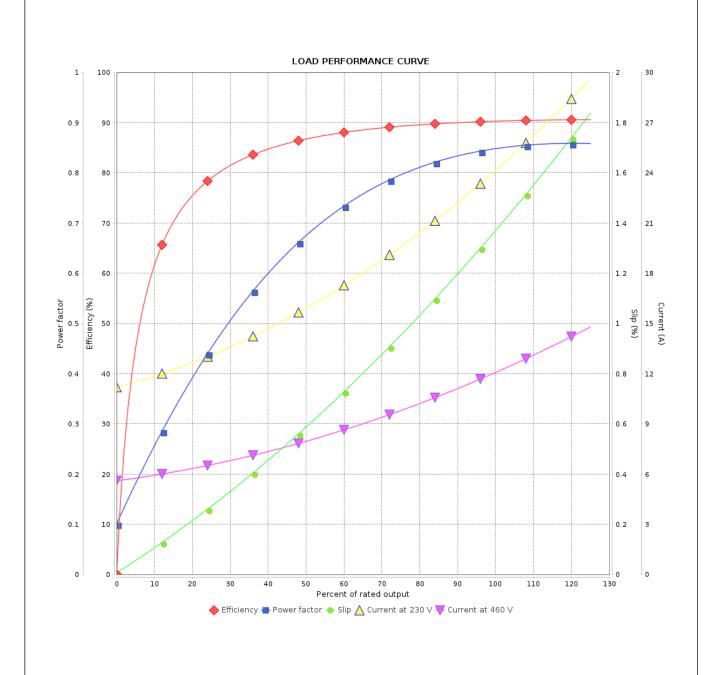
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Three Phase Induction Motor - Squirrel Cage



Customer

Product line : W22 Tru-Metric IE3 Three-Phase Product code: 14056628



Performance		: 230/460 V 60 Hz 2P						
Rated current		24.6/12.3 A	Moment of inertia (J)		: 0.0252 kgm²			
Rated torque		: 9.2 Duty of the control of the co		;	: S1 : F : 1.25			
				class				
				ctor				
Breakdown torqu	ue : 3	: 340 % : 3550 rpm		Temperature rise				
Rated speed	: 3				: N			
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