DATA SHEET



Three Phase Induction Motor - Squirrel Cage Customer Product line : W22 Tru-Metric IE3 Three-Phase Product code: 12596467 : 100L 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 : 33.5 kg : 0.0090 kgm² Protection degree : IP55 Moment of inertia (J) : N Design 3 3 Output [HP] 3 Poles 4 4 4 Frequency [Hz] 50 50 60 Rated voltage [V] 380 415 230/460 Rated current [A] 4.88 4.87 8.22/4.11 L. R. Amperes [A] 36.1 40.9 75.6/37.8 LRC [A] 7.4 8.4 9.2 4.40/2.20 No load current [A] 2.20 2.50 Rated speed [RPM] 1425 1745 1440 Slip [%] 5.00 4.00 3.06 Rated torque [kgfm] 1.51 1.25 1.53 Locked rotor torque [%] 280 350 380 Breakdown torque [%] 370 270 340 Service factor 1.25 1.25 1.25 Temperature rise 80 K 80 K 80 K Locked rotor time 39s (cold) 22s (hot) 36s (cold) 20s (hot) 41s (cold) 23s (hot) Noise level² 53.0 dB(A) 53.0 dB(A) 54.0 dB(A) 25% 87.2 85.7 50% 86.6 Efficiency (%) 75% 87.1 86.8 88.2 100% 86.7 87.2 89.5 25% 0.49 0.54 50% 0.57 Power Factor 75% 0.70 0.63 0.67 100% 0.79 0.72 0.75 Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0,9;1,0) 14.4 13.8 11.0 P2 (0,5;1,0) 11.6 11.1 8.9 P3 (0,25;1,0) 11.1 10.7 8.5 Losses (%) P4 (0,9;0,5) 8.2 7.9 6.3 P5 (0,5;0,5) 5.5 5.3 4.2 P6 (0,5;0,25) 4.1 4.0 3.2 P7 (0,25;0,25) 2.8 2.3 Drive end Non drive end Foundation loads Bearing type 6206 ZZ 6205 ZZ : 98 kgf Max. traction V'Ring V'Ring : 132 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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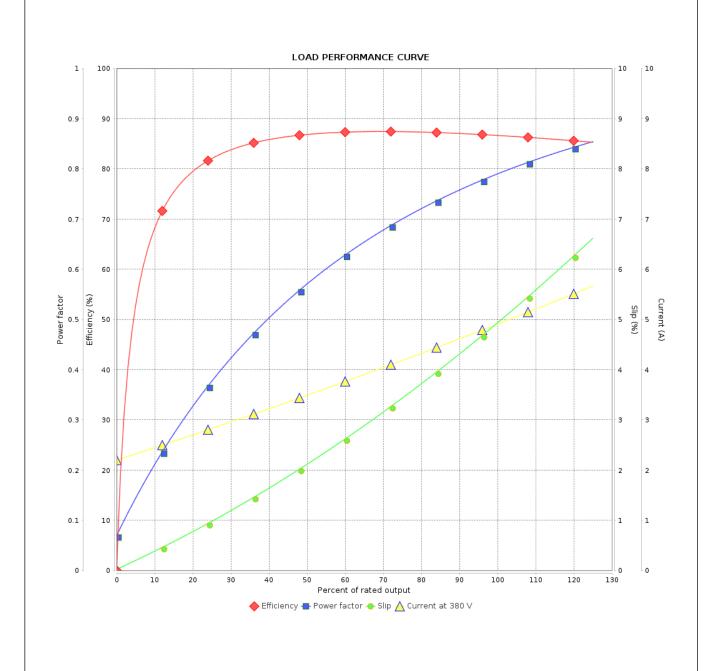
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Tru-Metric IE3 Three-Phase Product code : 12596467



Performance	: 380 V	/ 50 Hz 4P				
Rated current	: 4.88 /	Α	Moment o	f inertia (J)	: 0.0090 kgm ²	2
LRC	: 7.4		Duty cycle	;	: S1	
Rated torque	: 1.53 H	kgfm	Insulation	class	: F	
Locked rotor tord	que : 280 %	6	Service fa	ctor	: 1.25	
Breakdown torqu	ie : 270 %	6	Temperatu	ıre rise	: 80 K	
Rated speed	: 1425	rpm	Design		: N	
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Three Phase Induction Motor - Squirrel Cage



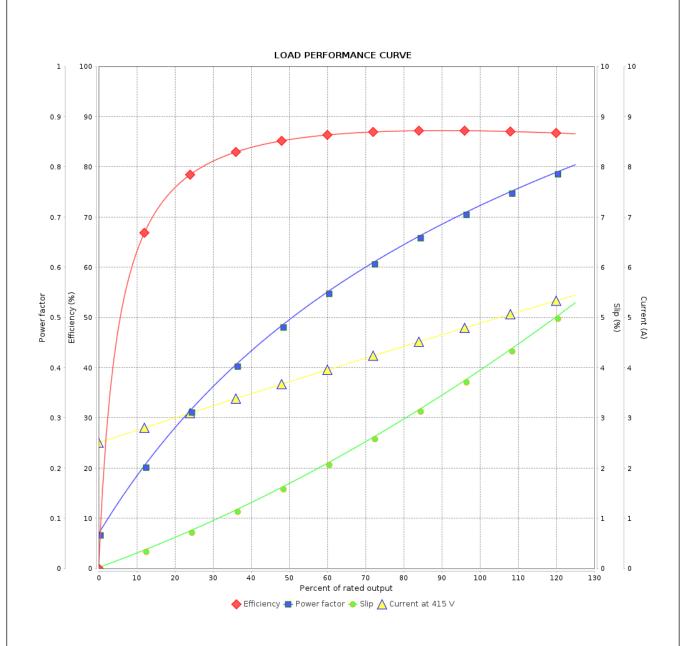
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Product line : W22 Tru-Metric IE3 Three-Phase Product code : 12596467



Performance	: 4	15 V 50 Hz 4P				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 8 : 1 ue : 3 ue : 3	.87 A .4 .51 kgfm 50 % 40 % 440 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 0.0090 kgm² : S1 : F : 1.25 : 80 K : N	
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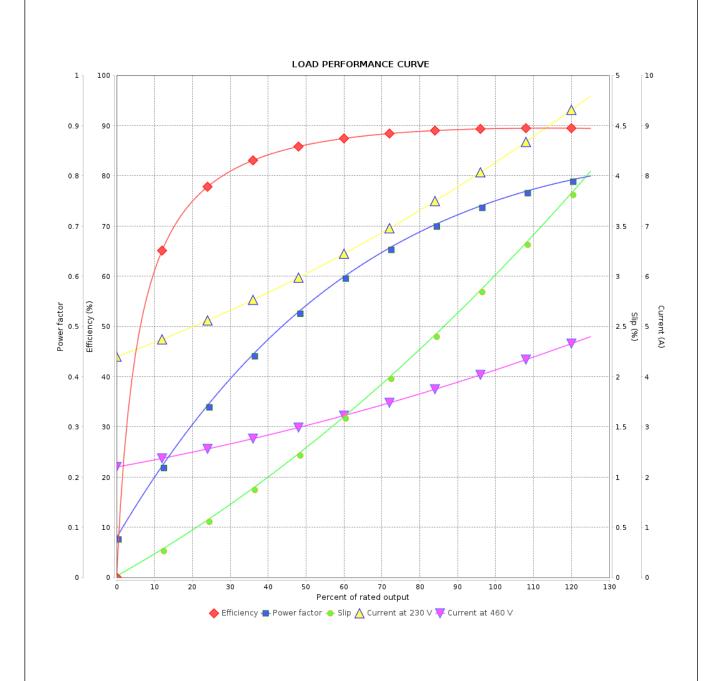
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Three Phase Induction Motor - Squirrel Cage



Customer

Product line : W22 Tru-Metric IE3 Three-Phase Product code: 12596467



Performance	: 23	30/460 V 60 Hz 4P				
Rated current : 8.2		.22/4.11 A		Moment of inertia (J)		2
LRC : 9.2		.2	Duty cycle	Duty cycle		
Rated torque	: 1.	.25 kgfm	Insulation	Insulation class		
Locked rotor torq	ue : 38	80 %	Service fa	Service factor		
Breakdown torque : 3		70 %	Temperati	Temperature rise		
· ·		745 rpm Design		: N		
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