DATA SHEET



Three Phase Induction Motor - Squirrel Cage Customer Product line : W22 Tru-Metric IE3 Three-Phase Product code: 13422163 Frame Cooling method : IC411 - TEFC : 71 Insulation class Mounting : 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 : 10.9 kg : 0.0005 kgm² Protection degree Moment of inertia (J) : IP55 Design : N 0.75 Output [HP] 0.75 0.75 Poles 2 2 2 50 50 60 Frequency [Hz] Rated voltage [V] 380 415 230/460 Rated current [A] 1.22 1.17 2.14/1.07 L. R. Amperes [A] 7.20 6.90 15.6/7.81 LRC [A] 5.9 5.9 7.3 No load current [A] 0.550 0.650 1.04/0.521 Rated speed [RPM] 2740 2790 3415 Slip [%] 7.00 8.67 5.14 Rated torque [kgfm] 0.199 0.195 0.159 Locked rotor torque [%] 370 270 330 Breakdown torque [%] 330 390 270 1.25 Service factor 1.25 1.25 Temperature rise 80 K 80 K 80 K 30s (cold) 17s (hot) Locked rotor time 32s (cold) 18s (hot) 32s (cold) 18s (hot) Noise level² 56.0 dB(A) 56.0 dB(A) 60.0 dB(A) 25% 50% 75.6 74.4 74.0 Efficiency (%) 75% 75.7 76.0 75.5 100% 77.8 77.8 76.8 25% 0.73 0.65 0.66 50% Power Factor 75% 0.84 0.78 0.78 100% 0.88 0.84 0.84 Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0,9;1,0) 26.5 26.5 28.1 P2 (0,5;1,0) 20.0 20.0 21.2 P3 (0,25;1,0) 18.4 18.4 19.5 Losses (%) P4 (0,9;0,5) 16.7 16.7 17.6 P5 (0,5;0,5) 9.7 9.7 10.3 P6 (0,5;0,25) 7.6 7.6 8.0 P7 (0,25;0,25) 4.8 5.1 Drive end Non drive end Foundation loads Bearing type 6202 ZZ 6202 ZZ Max. traction : 16 kgf V'Ring Sealing V'Rina : 27 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

(4) At 100% Of it	ili load.					
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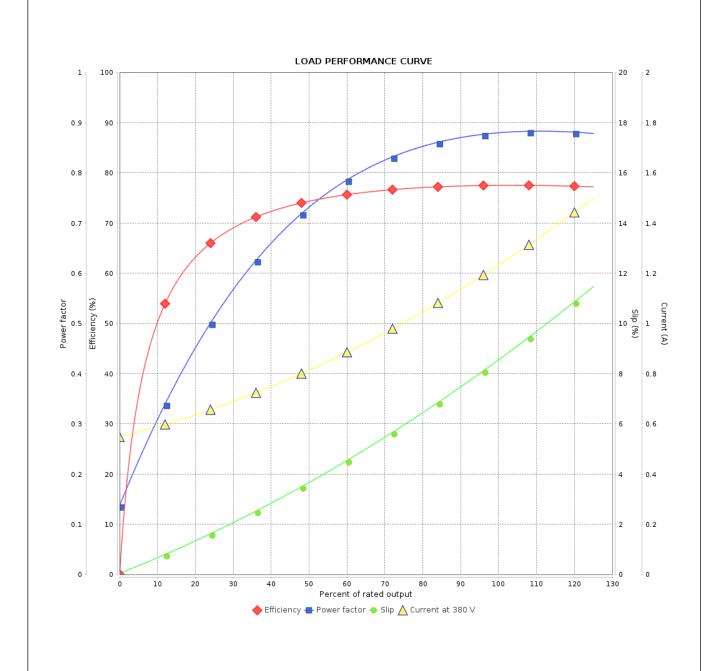
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Three Phase Induction Motor - Squirrel Cage



Customer

Product line : W22 Tru-Metric IE3 Three-Phase Product code: 13422163



Performance	: 38	80 V 50 Hz 2P					
Rated current : 1.2 LRC : 5.9		.22 A		Moment of inertia (J) Duty cycle		2	
		.199 kgfm	Insulation class		: S1 : F : 1.25		
		70 % 70 %		Service factor Temperature rise			
Rated speed		740 rpm Design			: 80 K : N		
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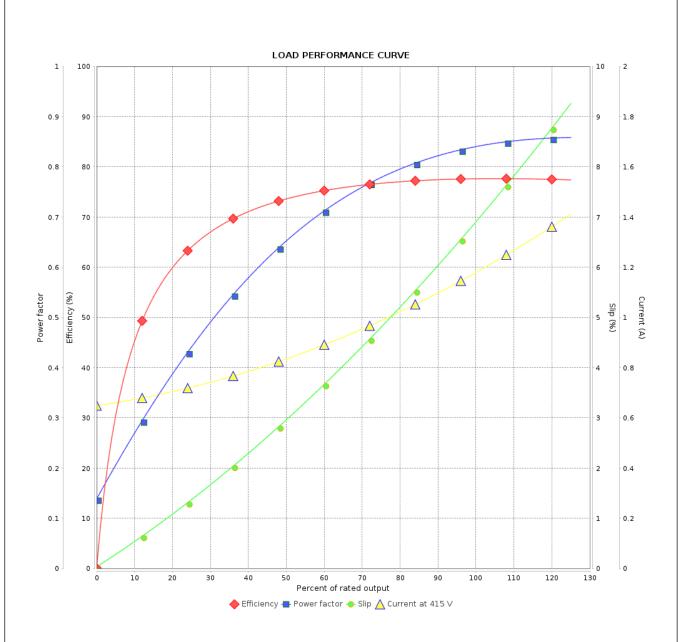
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Tru-Metric IE3 Three-Phase Product code : 13422163



Performance	: 415 V 50 Hz 2P				
Rated current	: 1.17 A	Moment of inertia (J)		: 0.0005 kgm²	
LRC	: 5.9	Duty cycle		: S1	
Rated torque	: 0.195 kgfm	Insulation class		: F	
Locked rotor torque	: 330 %	Service factor		: 1.25	
Breakdown torque	: 330 %	Temperature rise		: 80 K	
Rated speed	: 2790 rpm	Design		: N	
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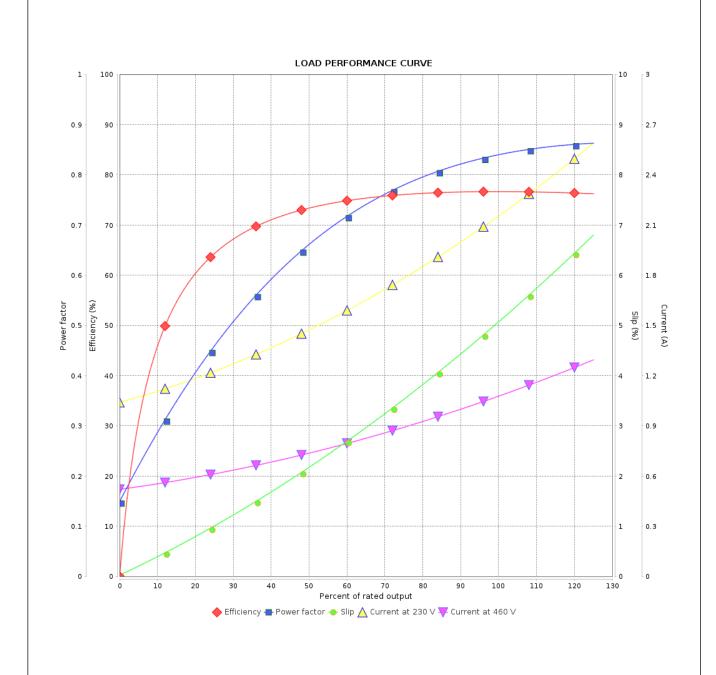
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Tru-Metric IE3 Three-Phase Product code : 13422163



Performance	: 2	30/460 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor torq Breakdown torqu Rated speed	: 7 : 0 : 1 : 3 : 3	14/1.07 A .3 .159 kgfm 70 % 90 % 415 rpm	Duty cycle Insulation class Service factor Temperature rise		: 0.0005 kgm² : S1 : F : 1.25 : 80 K : N	
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