

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line : W22 IE1 Three-Phase		Product code : 11360498			
Frame : 90S Output : 1.5 kW Poles : 2 Frequency : 50 Hz Rated voltage : 220/380 V Rated current : 5.80/3.36 A L. R. Amperes : 36.6/21.2 A LRC : 6.3 No load current : 2.25/1.30 A Rated speed : 2840 rpm Slip : 5.33 % Rated torque : 0.514 kgfm Locked rotor torque : 229 % Breakdown torque : 220 % Insulation class : F Service factor : 1.00 Moment of inertia (J) : 0.0020 kgm ² Design : N		Locked rotor time : 12s (cold) 7s (hot) Temperature rise : 80 K Duty cycle : S1 Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Cooling method : IC411 - TEFC Mounting : B3T Rotation ¹ : Both (CW and CCW) Noise level ² : 64.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 20.0 kg			
Output	50%	75%	100%	Foundation loads Max. traction : 24 kgf Max. compression : 44 kgf	
Efficiency (%)	77.5	78.0	78.0		
Power Factor	0.70	0.81	0.87		
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6205 ZZ	6204 ZZ		
Sealing	:	V'Ring	V'Ring		
Lubrication interval	:	-	-		
Lubricant amount	:	-	-		
Lubricant type	:	Mobil Polyrex EM			
Notes					
This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end. (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.			These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in IEC 60034-1.		
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
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Date	21/11/2018			Page 1 / 3	Revision

TORQUE AND CURRENT VS SPEED CURVE

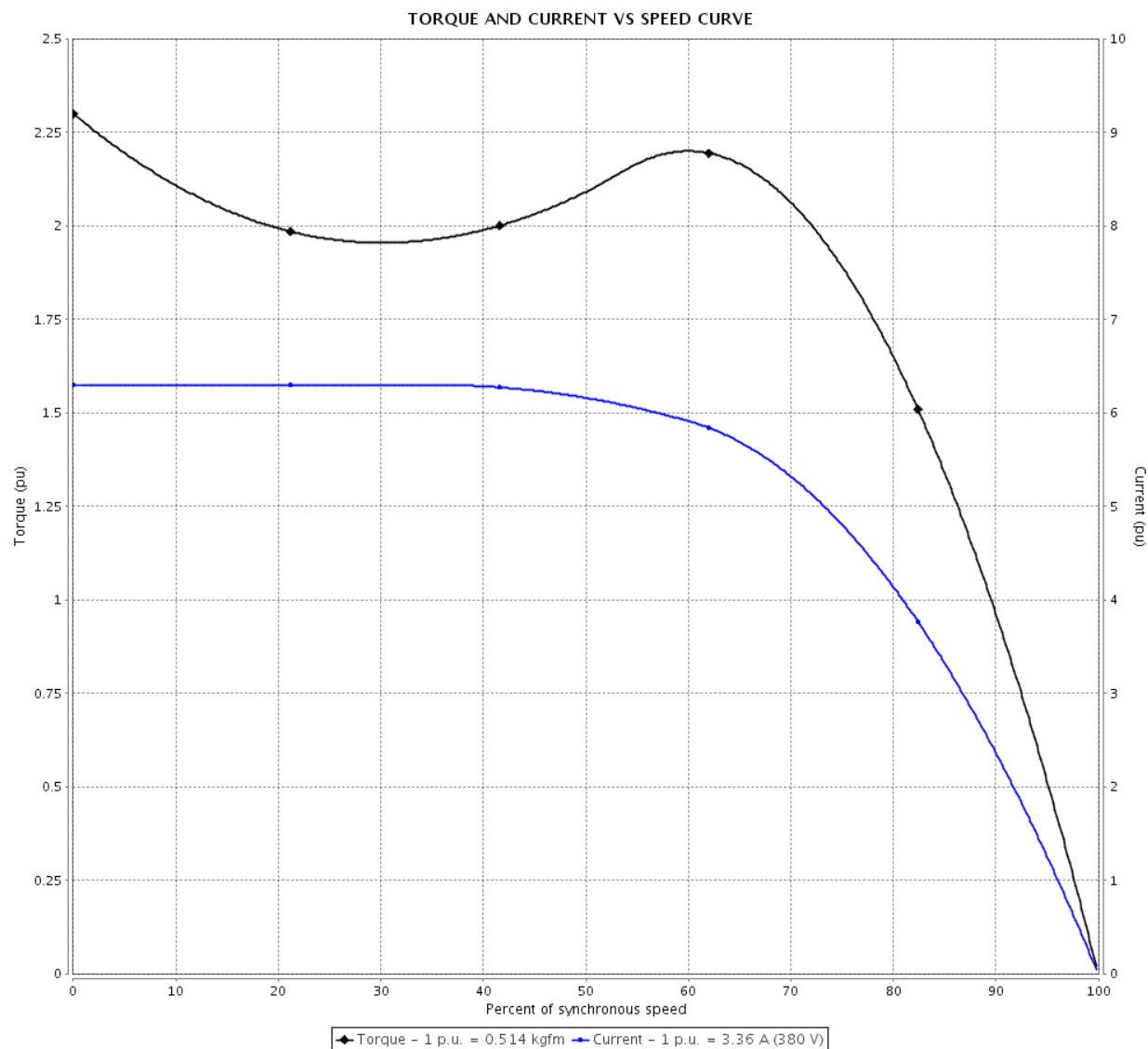
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Performance : 220/380 V 50 Hz 2P

Rated current : 5.80/3.36 A
 LRC : 6.3
 Rated torque : 0.514 kgfm
 Locked rotor torque : 229 %
 Breakdown torque : 220 %
 Rated speed : 2840 rpm

Moment of inertia (J) : 0.0020 kgm²
 Duty cycle : S1
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 80 K
 Design : N

Locked rotor time : 12s (cold) 7s (hot)

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LOAD PERFORMANCE CURVE

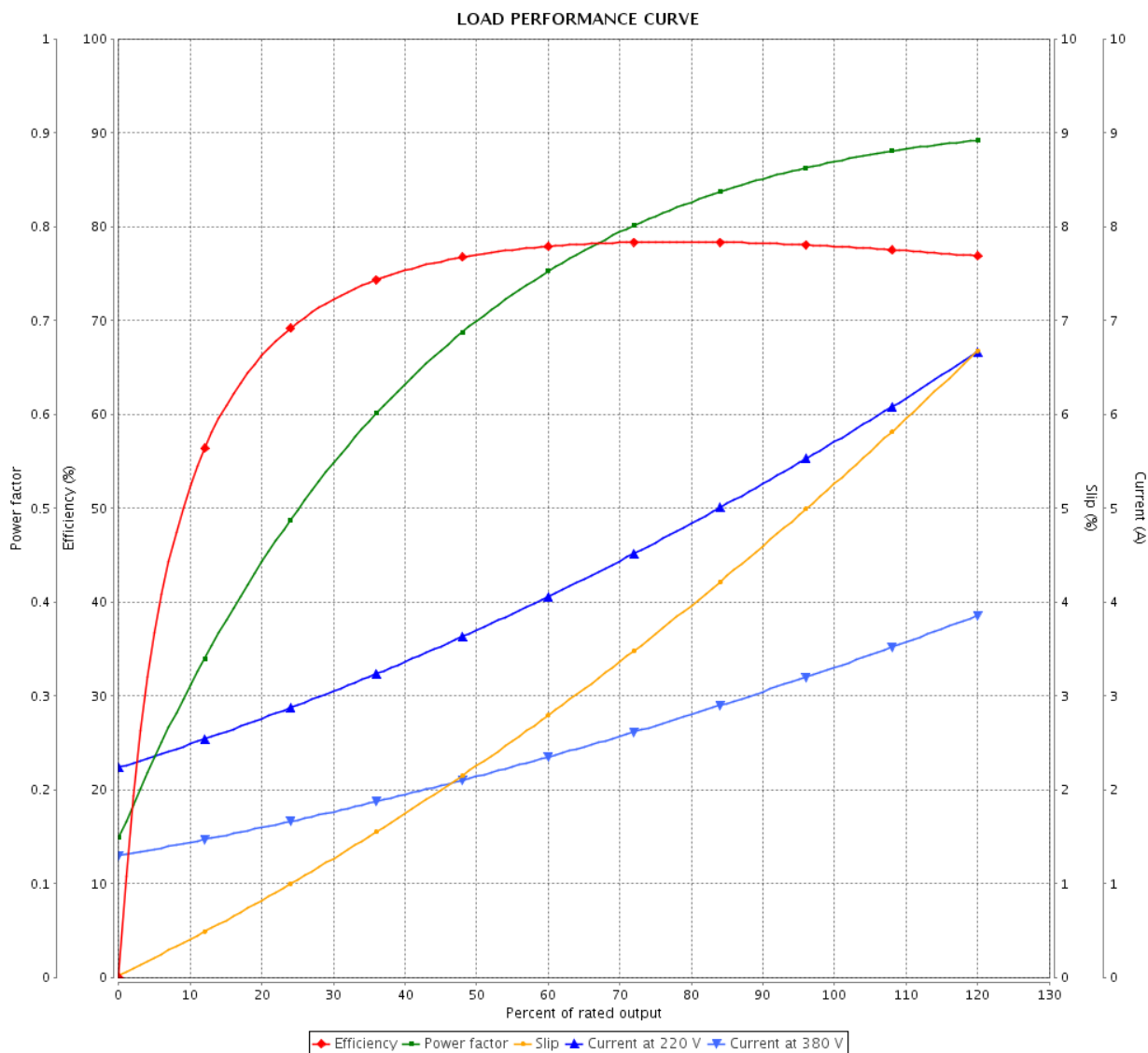
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