

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : ROSHD SANAT NIROO

Product line : W22 IE1 Three-Phase Product code : 11360621

Frame	: 100L	Locked rotor time	: 14s (cold) 8s (hot)
Output	: 3 kW	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: S1
Frequency	: 50 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 230/400 V	Altitude	: 1000 m.a.s.l.
Rated current	: 11.4/6.56 A	Protection degree	: IP55
L. R. Amperes	: 74.2/42.6 A	Cooling method	: IC411 - TEFC
LRC	: 6.5	Mounting	: B3T
No load current	: 6.96/4.00 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1420 rpm	Noise level ²	: 53.0 dB(A)
Slip	: 5.33 %	Starting method	: Direct On Line
Rated torque	: 2.06 kgfm	Approx. weight ³	: 33.9 kg
Locked rotor torque	: 280 %		
Breakdown torque	: 280 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 0.0082 kgm ²		
Design	: N		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	79.0	81.5	81.5	Max. traction	: 113 kgf
Power Factor	0.57	0.72	0.81	Max. compression	: 147 kgf

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6206 ZZ	6205 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.

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TORQUE AND CURRENT VS SPEED CURVE

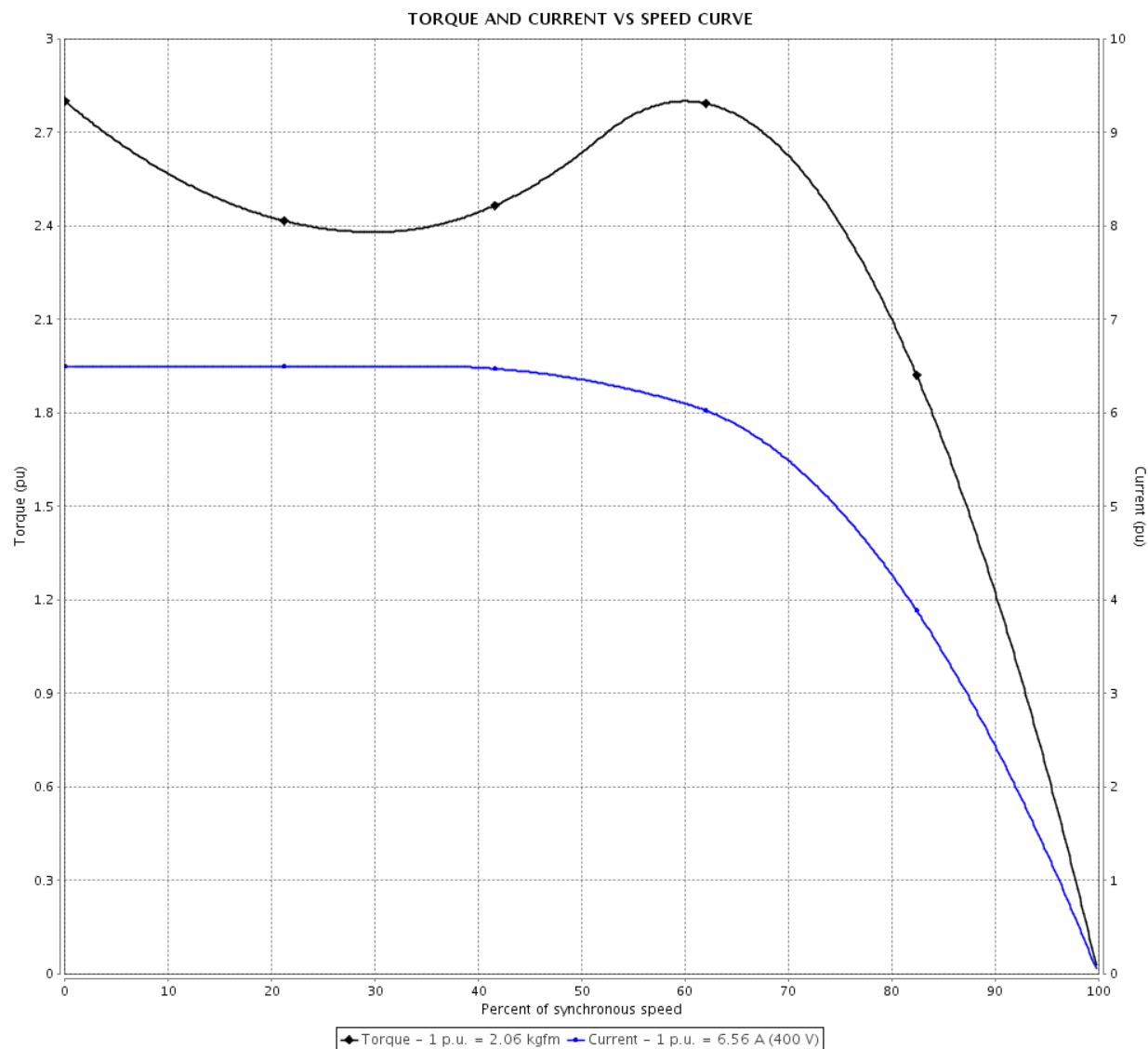
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 IE1 Three-Phase

Product code : 11360621



Performance : 230/400 V 50 Hz 4P

Rated current : 11.4/6.56 A
 LRC : 6.5
 Rated torque : 2.06 kgfm
 Locked rotor torque : 280 %
 Breakdown torque : 280 %
 Rated speed : 1420 rpm

Moment of inertia (J) : 0.0082 kgm²
 Duty cycle : S1
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 80 K
 Design : N

Locked rotor time : 14s (cold) 8s (hot)

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LOAD PERFORMANCE CURVE

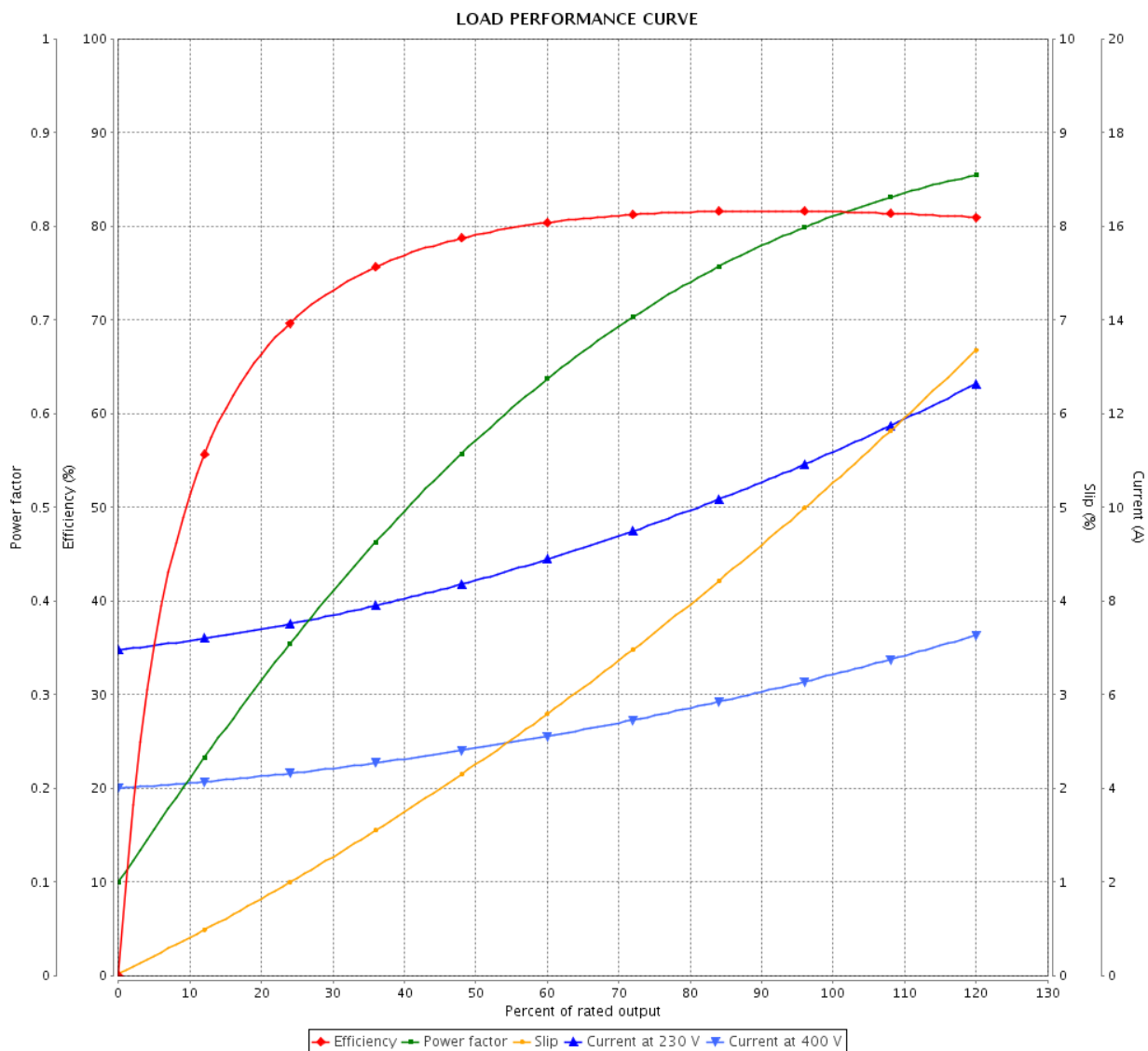
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