

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: W22 IE1 Three-Phase		Product code : 11518097
Frame	: 80	Locked rotor time	: 12s (cold) 7s (hot)	
Output	: 0.75 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	: 3.30/1.90 A	Protection degree	: IP55	
L. R. Amperes	: 16.9/9.69 A	Cooling method	: IC411 - TEFC	
LRC	: 5.1	Mounting	: B35T	
No load current	: 2.61/1.50 A	Rotation ¹	: Both (CW and CCW)	
Rated speed	: 1435 rpm	Noise level ²	: 44.0 dB(A)	
Slip	: 4.33 %	Starting method	: Direct On Line	
Rated torque	: 0.509 kgfm	Approx. weight ³	: 17.5 kg	
Locked rotor torque	: 210 %			
Breakdown torque	: 229 %			
Insulation class	: F			
Service factor	: 1.00			
Moment of inertia (J)	: 0.0030 kgm ²			
Design	: N			
Output	50%	75%	100%	Foundation loads
Efficiency (%)	67.0	72.0	72.3	Max. traction : 28 kgf
Power Factor	0.58	0.70	0.79	Max. compression : 46 kgf
		<u>Drive end</u>	<u>Non drive end</u>	
Bearing type	:	6204 ZZ	6203 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
Performed by				
Checked by			Page	Revision
Date	21/11/2018		1 / 3	

TORQUE AND CURRENT VS SPEED CURVE

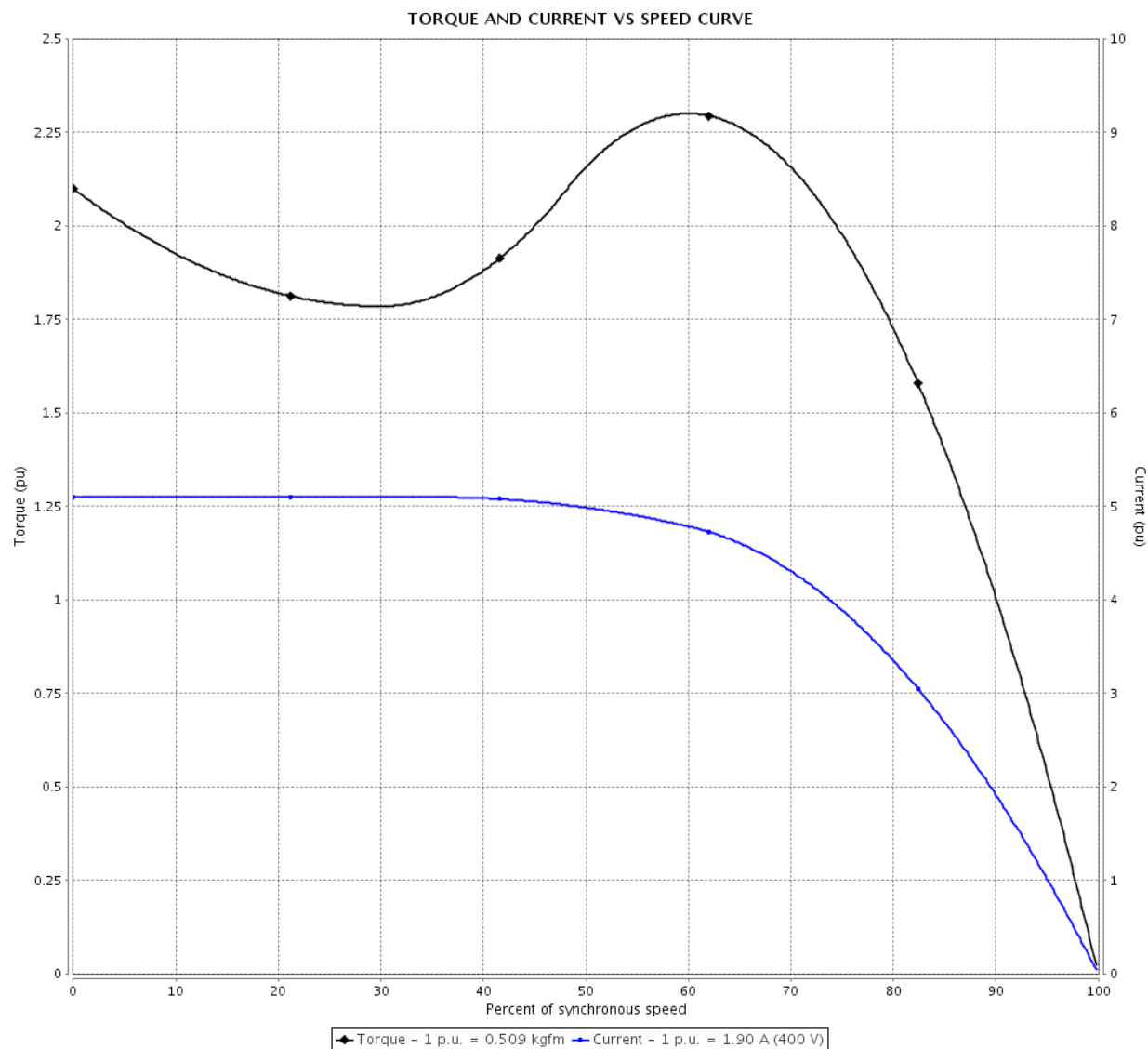
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 IE1 Three-Phase

Product code : 11518097



Performance : 230/400 V 50 Hz 4P

Rated current : 3.30/1.90 A
 LRC : 5.1
 Rated torque : 0.509 kgfm
 Locked rotor torque : 210 %
 Breakdown torque : 229 %
 Rated speed : 1435 rpm

Moment of inertia (J) : 0.0030 kgm²
 Duty cycle : S1
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 80 K
 Design : N

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

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 2 / 3 Revision		
Checked by				
Date	21/11/2018			

LOAD PERFORMANCE CURVE

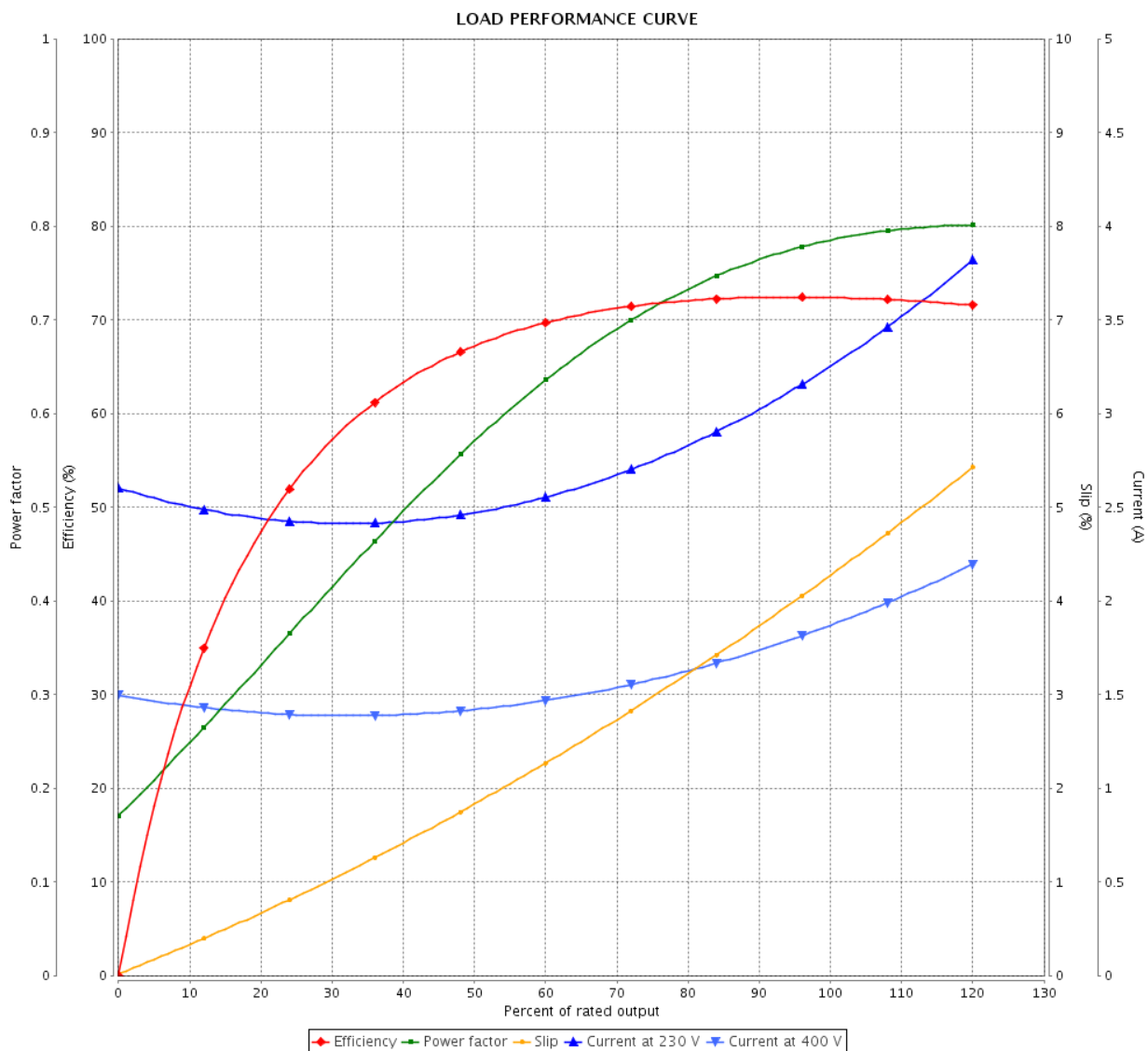
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 IE1 Three-Phase

Product code : 11518097



Performance : 230/400 V 50 Hz 4P

Rated current : 3.30/1.90 A
 LRC : 5.1
 Rated torque : 0.509 kgfm
 Locked rotor torque : 210 %
 Breakdown torque : 229 %
 Rated speed : 1435 rpm

Moment of inertia (J) : 0.0030 kgm²
 Duty cycle : S1
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 80 K
 Design : N

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 3 / 3Revision		
Checked by				
Date	21/11/2018			

