

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line : W22 IE1 Three-Phase		Product code : 11360587			
Frame : 90L Output : 1.5 kW Poles : 4 Frequency : 50 Hz Rated voltage : 230/400 V Rated current : 5.93/3.41 A L. R. Amperes : 34.4/19.8 A LRC : 5.8 No load current : 3.48/2.00 A Rated speed : 1445 rpm Slip : 3.67 % Rated torque : 1.01 kgfm Locked rotor torque : 190 % Breakdown torque : 220 % Insulation class : F Service factor : 1.00 Moment of inertia (J) : 0.0066 kgm ² Design : N		Locked rotor time : 14s (cold) 8s (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 : 49.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 23.9 kg			
Output	50%	75%	100%	Foundation loads Max. traction : 52 kgf Max. compression : 75 kgf	
Efficiency (%)	74.5	77.5	77.5		
Power Factor	0.58	0.73	0.82		
		<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					
Checked by					
Date	21/11/2018			Page 1 / 3	Revision

TORQUE AND CURRENT VS SPEED CURVE

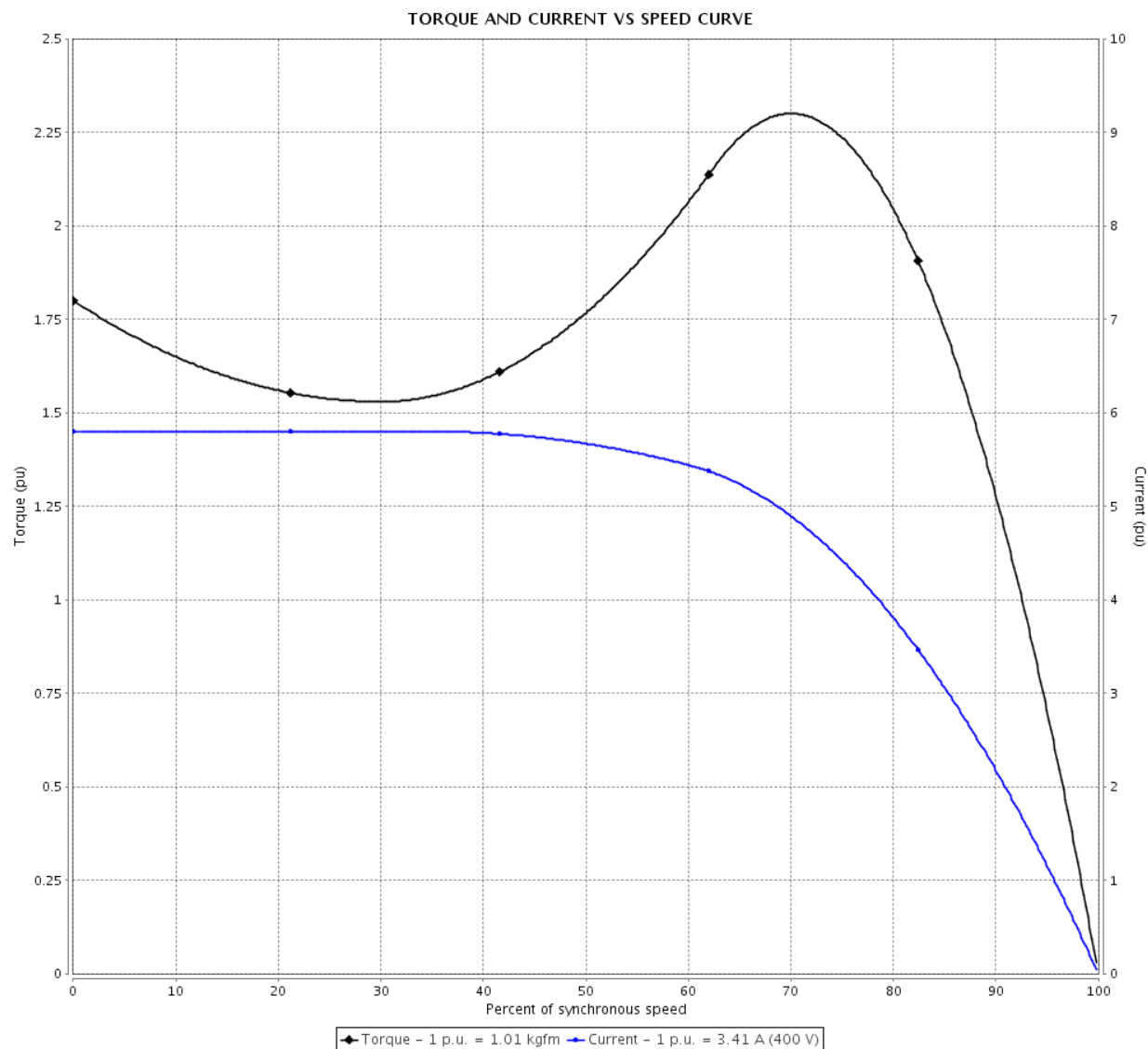
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Product code : 11360587



Performance : 230/400 V 50 Hz 4P

Rated current : 5.93/3.41 A
LRC : 5.8
Rated torque : 1.01 kgfm
Locked rotor torque : 190 %
Breakdown torque : 220 %
Rated speed : 1445 rpm

Moment of inertia (J) : 0.0066 kgm²
Duty cycle : S1
Insulation class : F
Service factor : 1.00
Temperature rise : 80 K
Design : N

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

Rev.	Changes Summary	Performed	Checked	Date
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LOAD PERFORMANCE CURVE

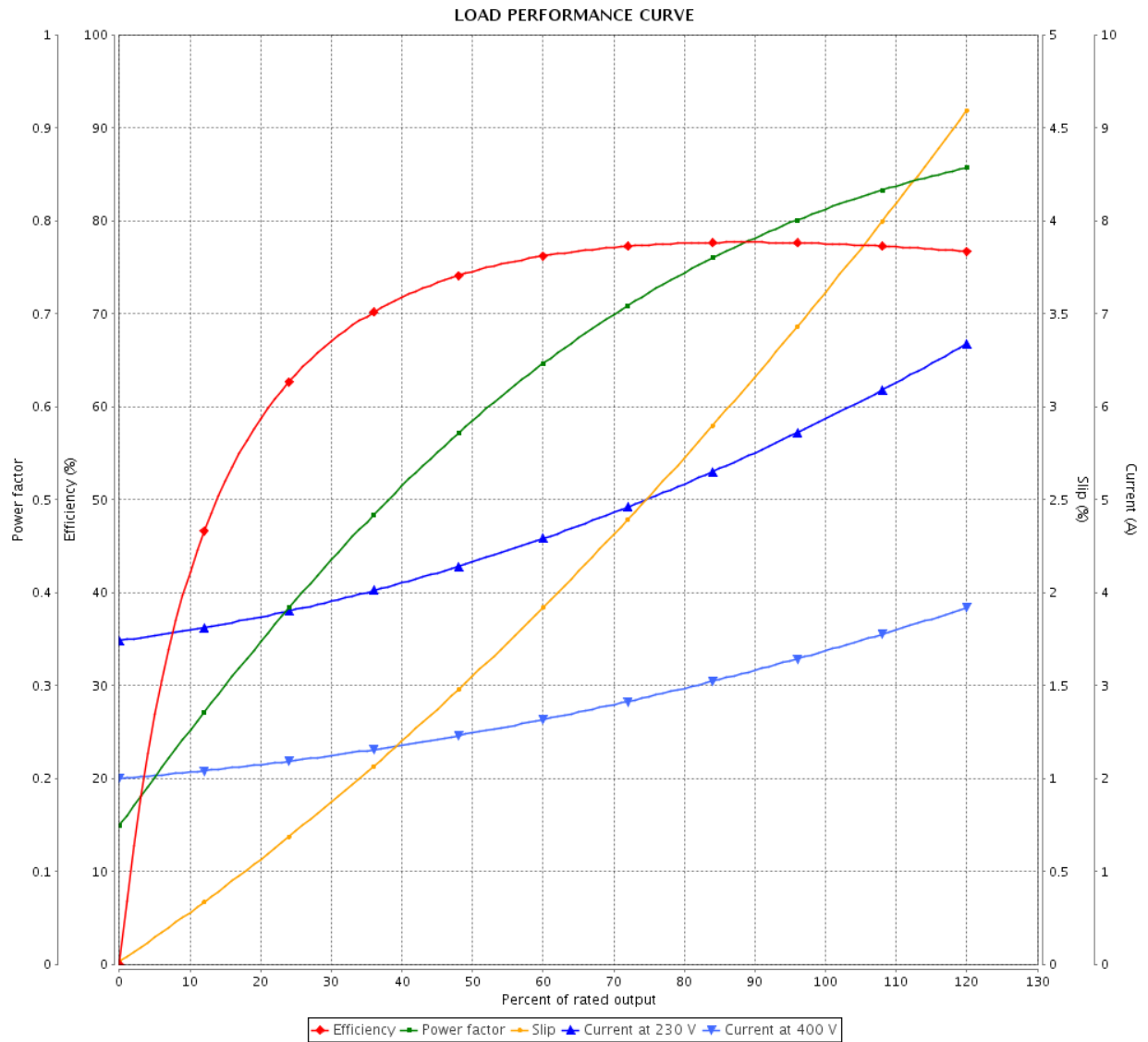
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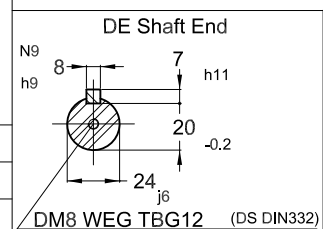
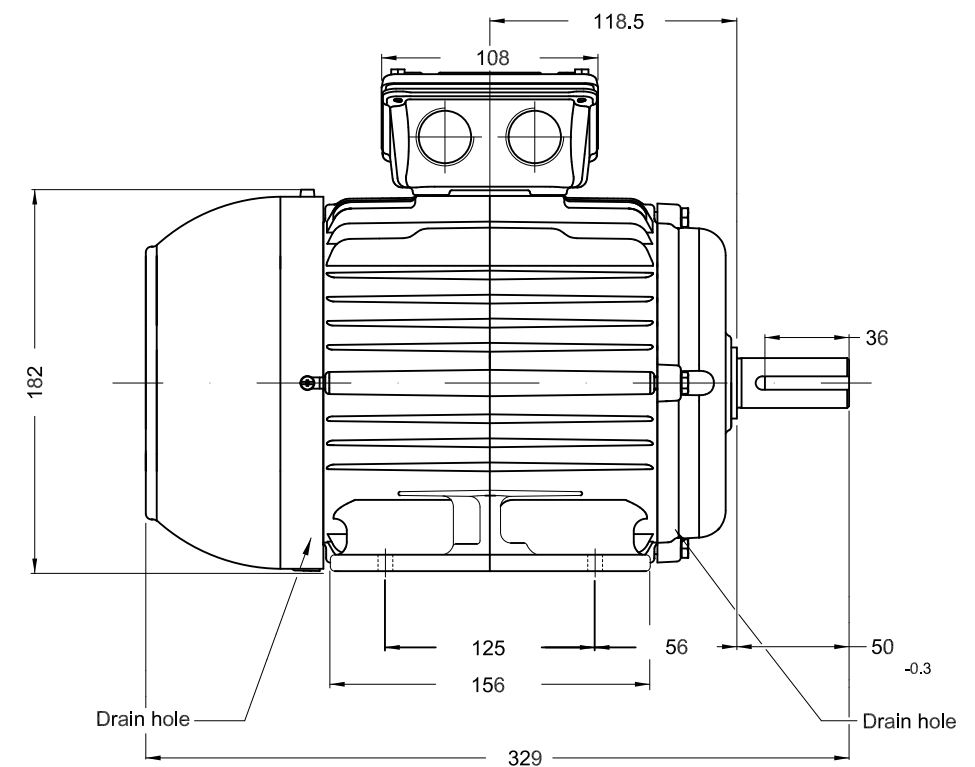


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Color RAL 5009
Painting plan 207A
Mounting B3T

1.5 kW 04 Poles 50 Hz										A
ECM	LOC	SUMMARY OF MODIFICATIONS				EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	USERADMIN		THREE PHASE W22 MOTOR FRAME 90L IP55 TEFC				PREVIEW WDD			
CHECKED										
RELEASED										
REL DT		WMO	Jaragua do Sul	Product Engineering		SHEET		1 / 1		