

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line : W22 IE1 Three-Phase		Product code : 11360538			
Frame : 132S Output : 7.5 kW Poles : 2 Frequency : 50 Hz Rated voltage : 380/660 V Rated current : 14.8/8.52 A L. R. Amperes : 94.7/54.5 A LRC : 6.4 No load current : 4.50/2.59 A Rated speed : 2910 rpm Slip : 3.00 % Rated torque : 2.51 kgfm Locked rotor torque : 210 % Breakdown torque : 229 % Insulation class : F Service factor : 1.00 Moment of inertia (J) : 0.0234 kgm ² Design : N		Locked rotor time : 19s (cold) 11s (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 : 68.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 64.8 kg			
Output	50%	75%	100%	Foundation loads Max. traction : 82 kgf Max. compression : 147 kgf	
Efficiency (%)	86.3	86.5	86.5		
Power Factor	0.78	0.86	0.89		
		<u>Drive end</u> Bearing type : 6308 ZZ Sealing : V'Ring Lubrication interval : - Lubricant amount : - Lubricant type : Mobil Polyrex EM	<u>Non drive end</u> 6207 ZZ V'Ring - -		
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

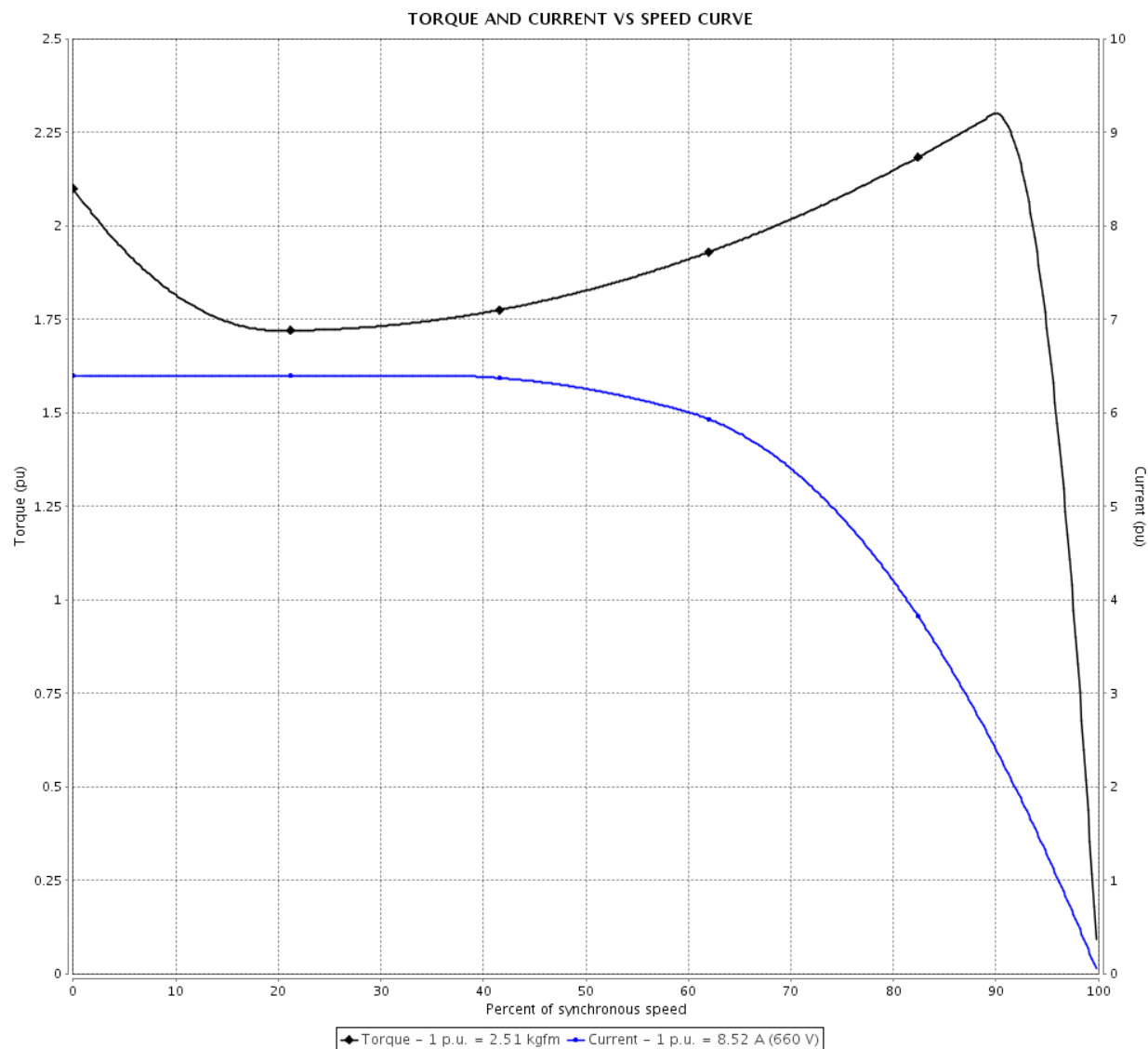
Three Phase Induction Motor - Squirrel Cage



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Product line : W22 IE1 Three-Phase

Product code : 11360538



Performance : 380/660 V 50 Hz 2P

Rated current : 14.8/8.52 A
 LRC : 6.4
 Rated torque : 2.51 kgfm
 Locked rotor torque : 210 %
 Breakdown torque : 229 %
 Rated speed : 2910 rpm

Moment of inertia (J) : 0.0234 kgm²
 Duty cycle : S1
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 80 K
 Design : N

Locked rotor time : 19s (cold) 11s (hot)

Rev.	Changes Summary	Performed	Checked	Date
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LOAD PERFORMANCE CURVE

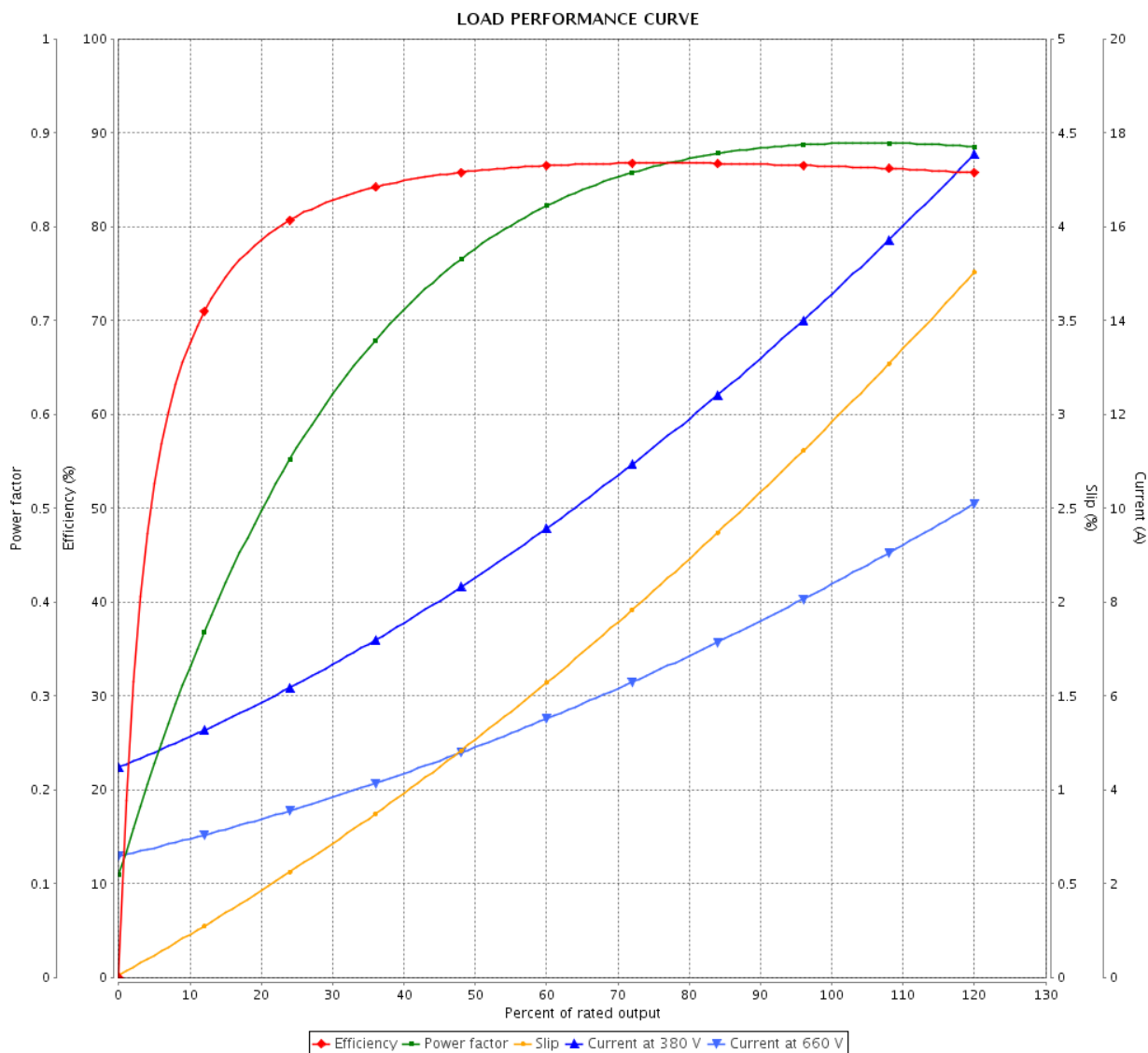
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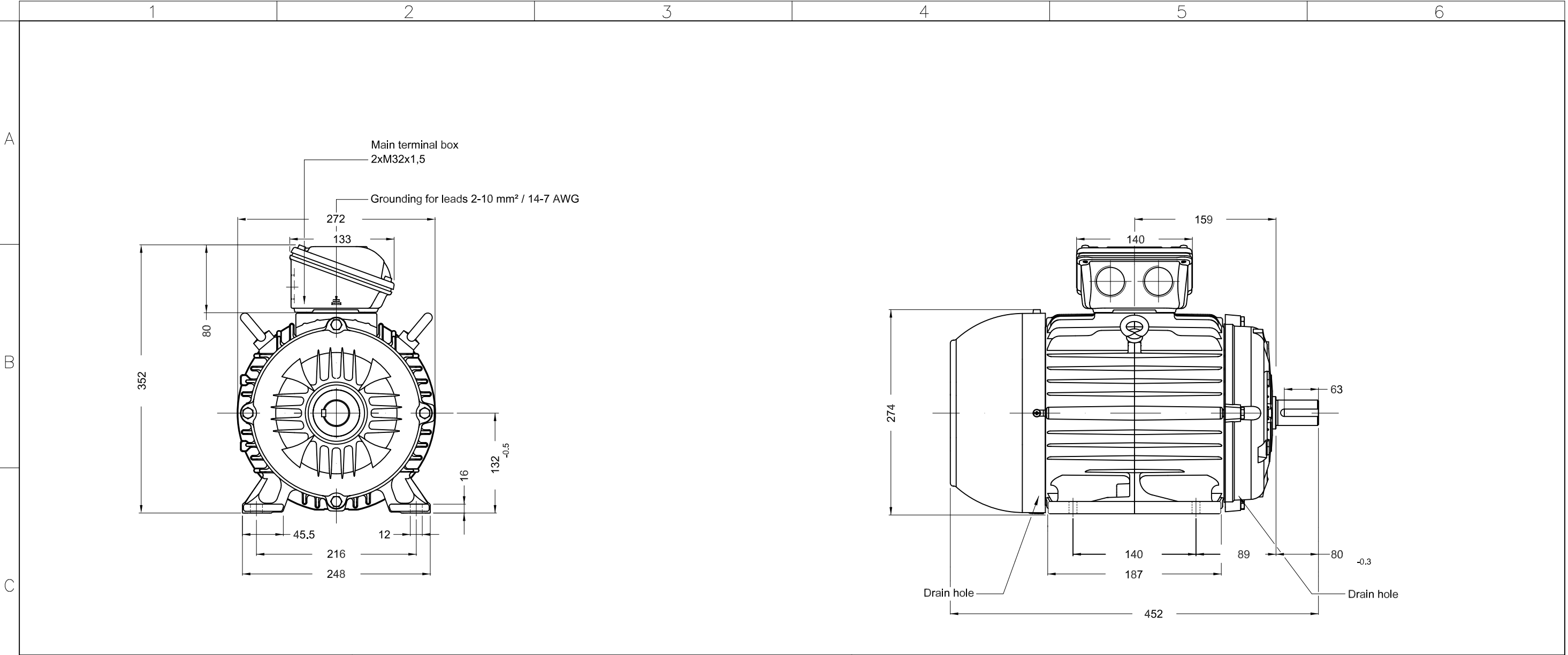


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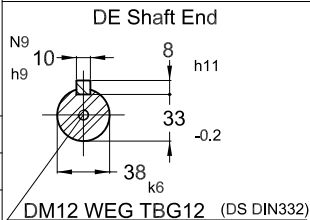
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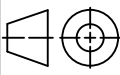


Color RAL 5009
Painting plan 207A
Mounting B3T



DM12 WEG TBG12 (DS DIN332)

7.5 kW 02 Poles 50 Hz A

ECM	LOC	SUMMARY OF MODIFICATIONS				EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	USERADMIN	 THREE PHASE W22 MOTOR FRAME 132S IP55 TEFC				PREVIEW WDD				
CHECKED										
RELEASED										
REL DT		WMO	Jaragua do Sul	Product Engineering	SHEET	1	/	1		