

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line : W22 IE1 Three-Phase		Product code : 11360504		
Frame : 112M Output : 4 kW Poles : 2 Frequency : 50 Hz Rated voltage : 380/660 V Rated current : 8.08/4.65 A L. R. Amperes : 54.9/31.6 A LRC : 6.8 No load current : 2.60/1.50 A Rated speed : 2885 rpm Slip : 3.83 % Rated torque : 1.35 kgfm Locked rotor torque : 210 % Breakdown torque : 260 % Insulation class : F Service factor : 1.00 Moment of inertia (J) : 0.0081 kgm ² Design : N		Locked rotor time : 16s (cold) 9s (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 : 39.4 kg		
Output	50%	75%	100%	Foundation loads Max. traction : 59 kgf Max. compression : 99 kgf
Efficiency (%)	83.0	84.2	84.5	
Power Factor	0.77	0.86	0.89	
		<u>Drive end</u>	<u>Non drive end</u>	
Bearing type	:	6207 ZZ	6206 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
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TORQUE AND CURRENT VS SPEED CURVE

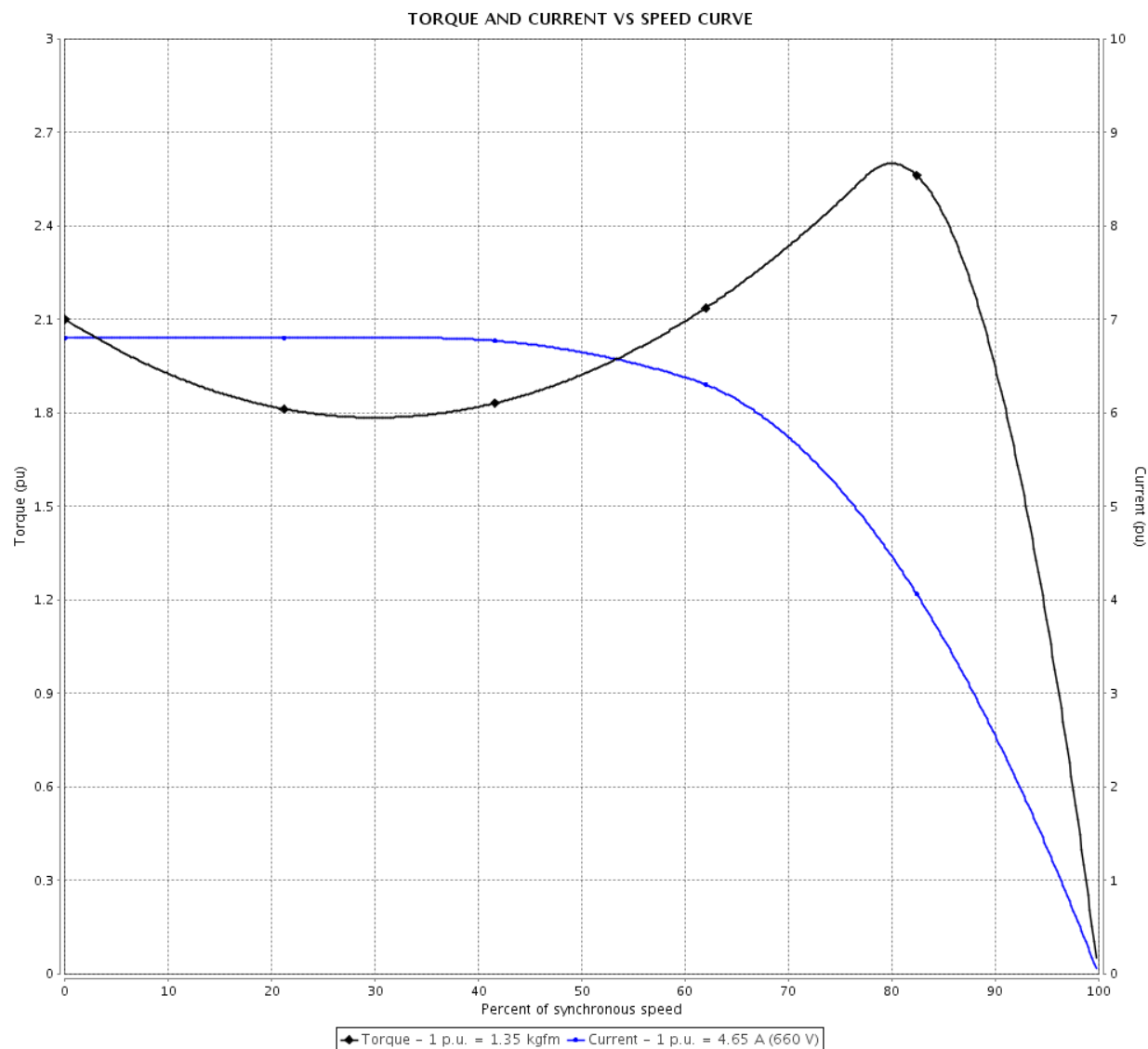
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Performance : 380/660 V 50 Hz 2P

Rated current : 8.08/4.65 A
LRC : 6.8
Rated torque : 1.35 kgfm
Locked rotor torque : 210 %
Breakdown torque : 260 %
Rated speed : 2885 rpm

Moment of inertia (J) : 0.0081 kgm²
Duty cycle : S1
Insulation class : F
Service factor : 1.00
Temperature rise : 80 K
Design : N

Locked rotor time : 16s (cold) 9s (hot)

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LOAD PERFORMANCE CURVE

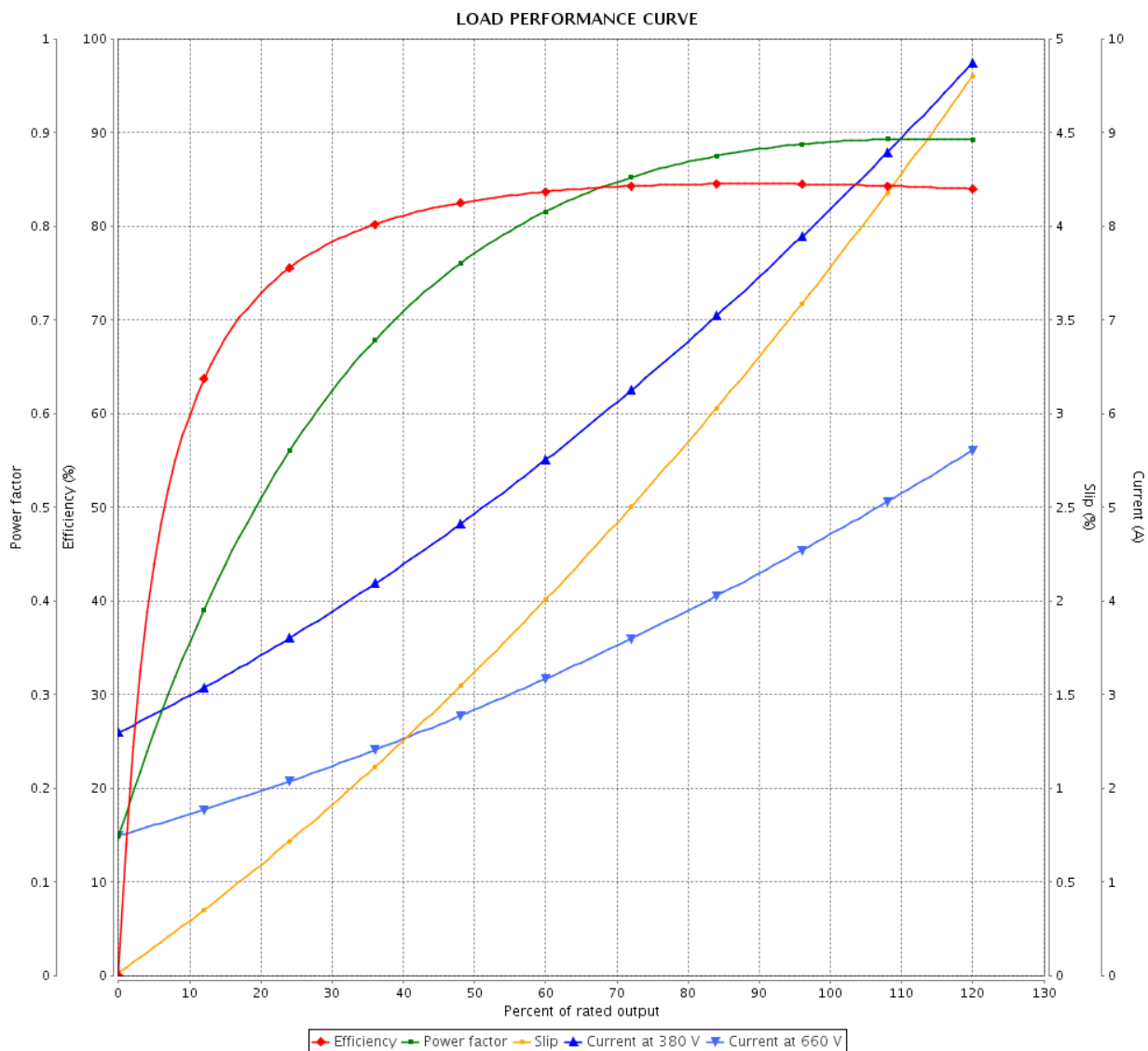
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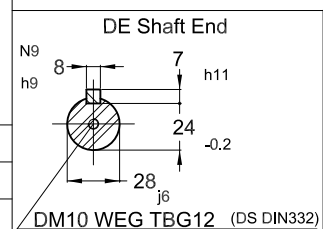
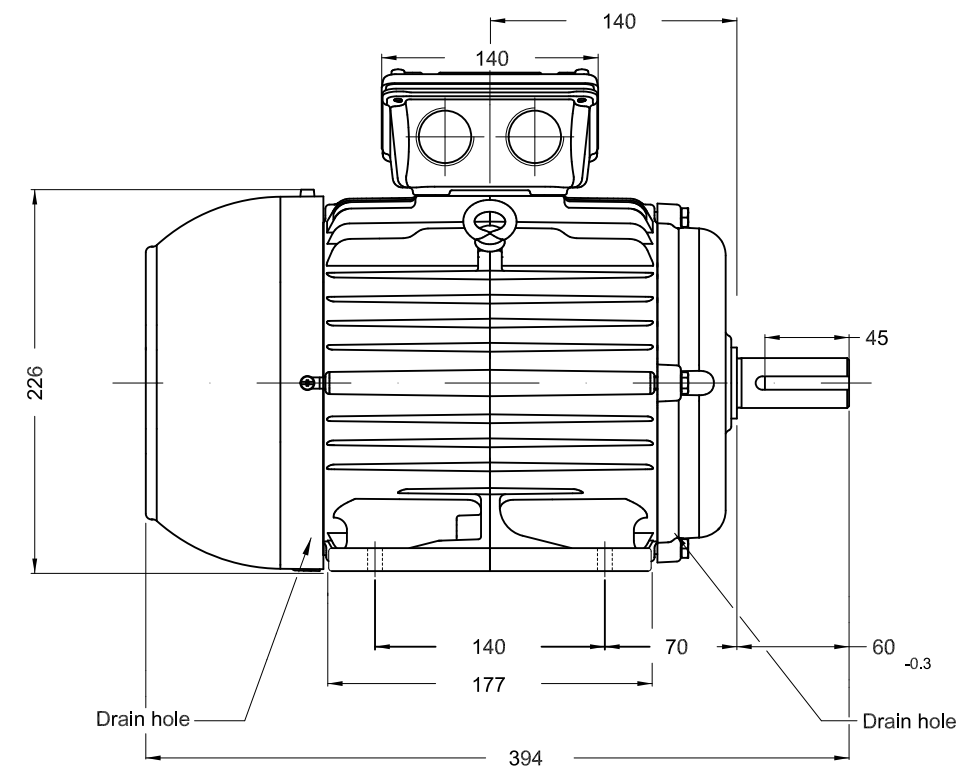


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Color RAL 5009
Painting plan 207A
Mounting B3T

4 kW 02 Poles 50 Hz										A			
ECM		LOC		SUMMARY OF MODIFICATIONS				EXECUTED	CHECKED	RELEASED	DATE	VER	
EXECUTED		USERADMIN			THREE PHASE W22 MOTOR FRAME 112M IP55 TEFC					PREVIEW WDD			
CHECKED													
RELEASED													
REL DT													
				WMO	Jaragua do Sul			Product Engineering		SHEET	1 / 1		