

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: W22Xd IE1 EX d IIB T4		Product code : 12383500
Frame	: 80	Locked rotor time	: 14s (cold) 8s (hot)	
Output	: 0.550 kW	Temperature rise	: 80 K	
Poles	: 4	Duty cycle	: S1	
Frequency	: 50 Hz	Ambient temperature	: -20°C to +40°C	
Rated voltage	: 220/380 V	Altitude	: 1000 m.a.s.l.	
Rated current	: 2.49/1.44 A	Protection degree	: IP56	
L. R. Amperes	: 12.9/7.49 A	Cooling method	: IC411 - TEFC	
LRC	: 5.2	Mounting	: B3T	
No load current	: 1.64/0.950 A	Rotation ¹	: Both (CW and CCW)	
Rated speed	: 1440 rpm	Noise level ²	: 44.0 dB(A)	
Slip	: 4.00 %	Starting method	: Direct On Line	
Rated torque	: 0.372 kgfm	Approx. weight ³	: 27.0 kg	
Locked rotor torque	: 200 %			
Breakdown torque	: 260 %			
Insulation class	: F			
Service factor	: 1.00			
Moment of inertia (J)	: 0.0024 kgm ²			
Design	: N			
Output	50%	75%	100%	Foundation loads
Efficiency (%)	68.0	71.3	70.9	Max. traction : 21 kgf
Power Factor	0.60	0.73	0.82	Max. compression : 48 kgf
		<u>Drive end</u>	<u>Non drive end</u>	
Bearing type	:	6204 ZZ	6203 ZZ	
Sealing	:	Oil Seal	Lip Seal	
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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Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	150 °C

Space heater information

Voltage: 200 - 240 V

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TORQUE AND CURRENT VS SPEED CURVE

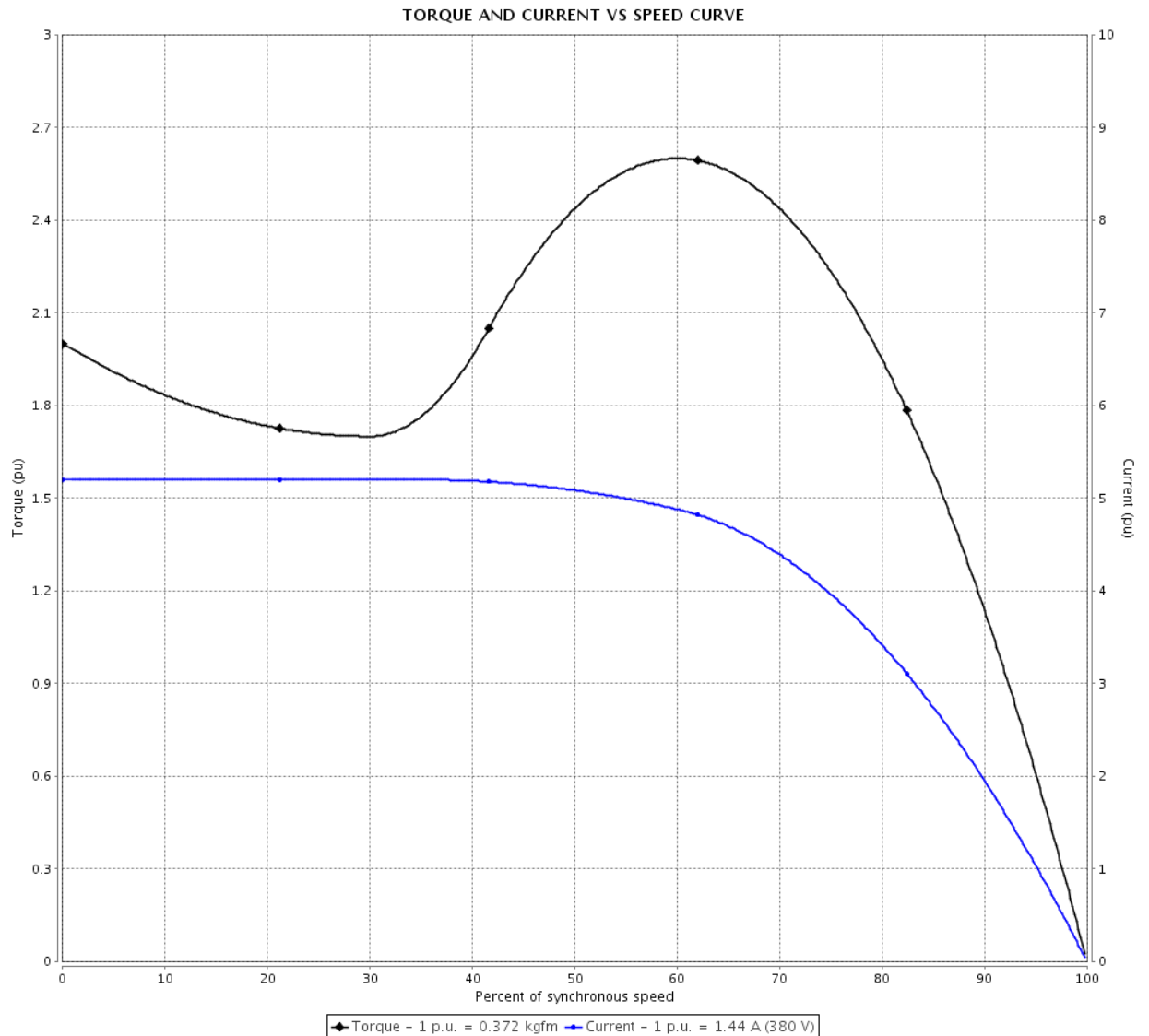
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22Xd IE1 Three-Phase

Product code : 12383500



Performance : 220/380 V 50 Hz 4P

Rated current : 2.49/1.44 A
LRC : 5.2
Rated torque : 0.372 kgfm
Locked rotor torque : 200 %
Breakdown torque : 260 %
Rated speed : 1440 rpm

Moment of inertia (J) : 0.0024 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

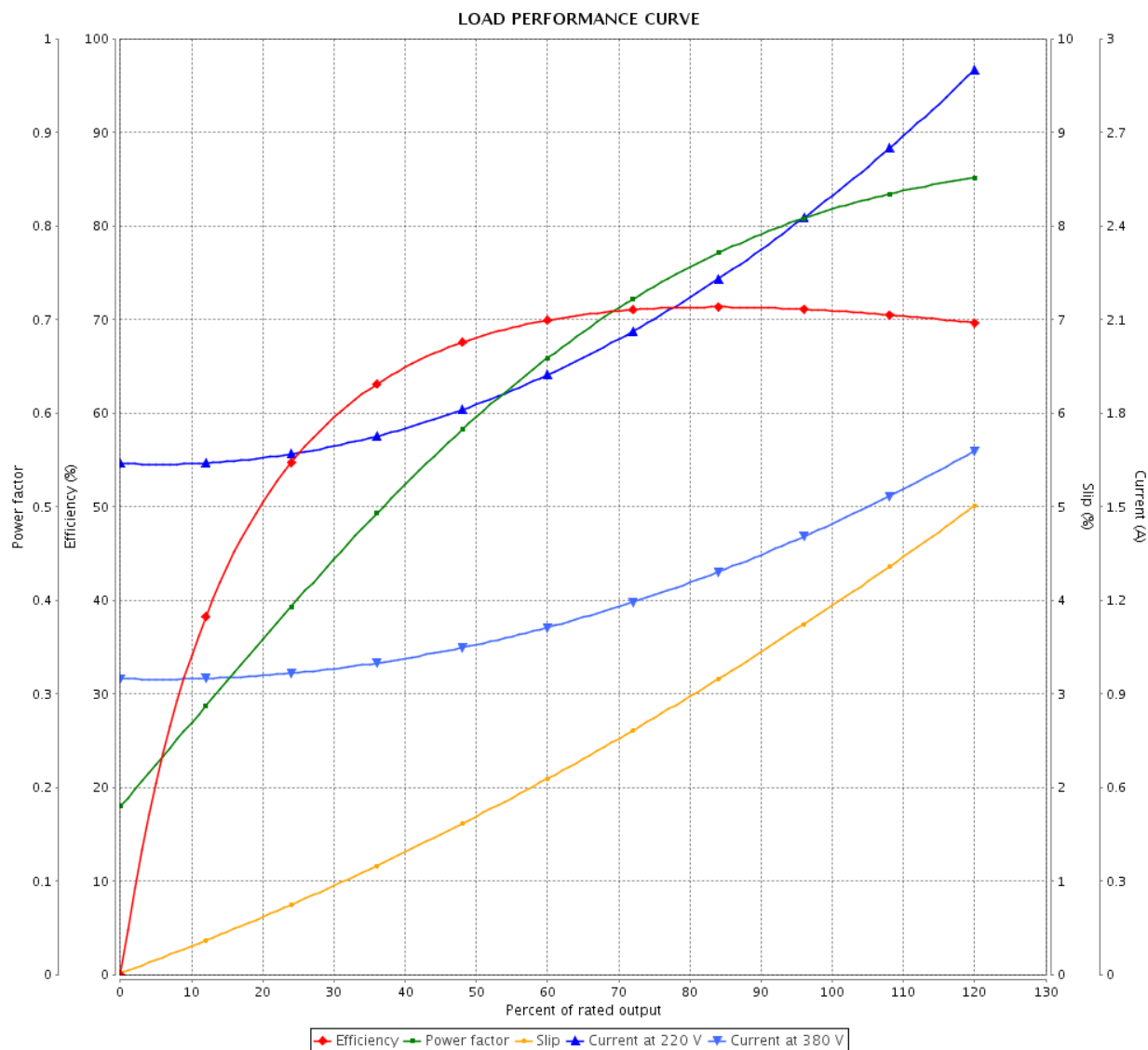
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22Xd IE1 Three-Phase

Product code : 12383500

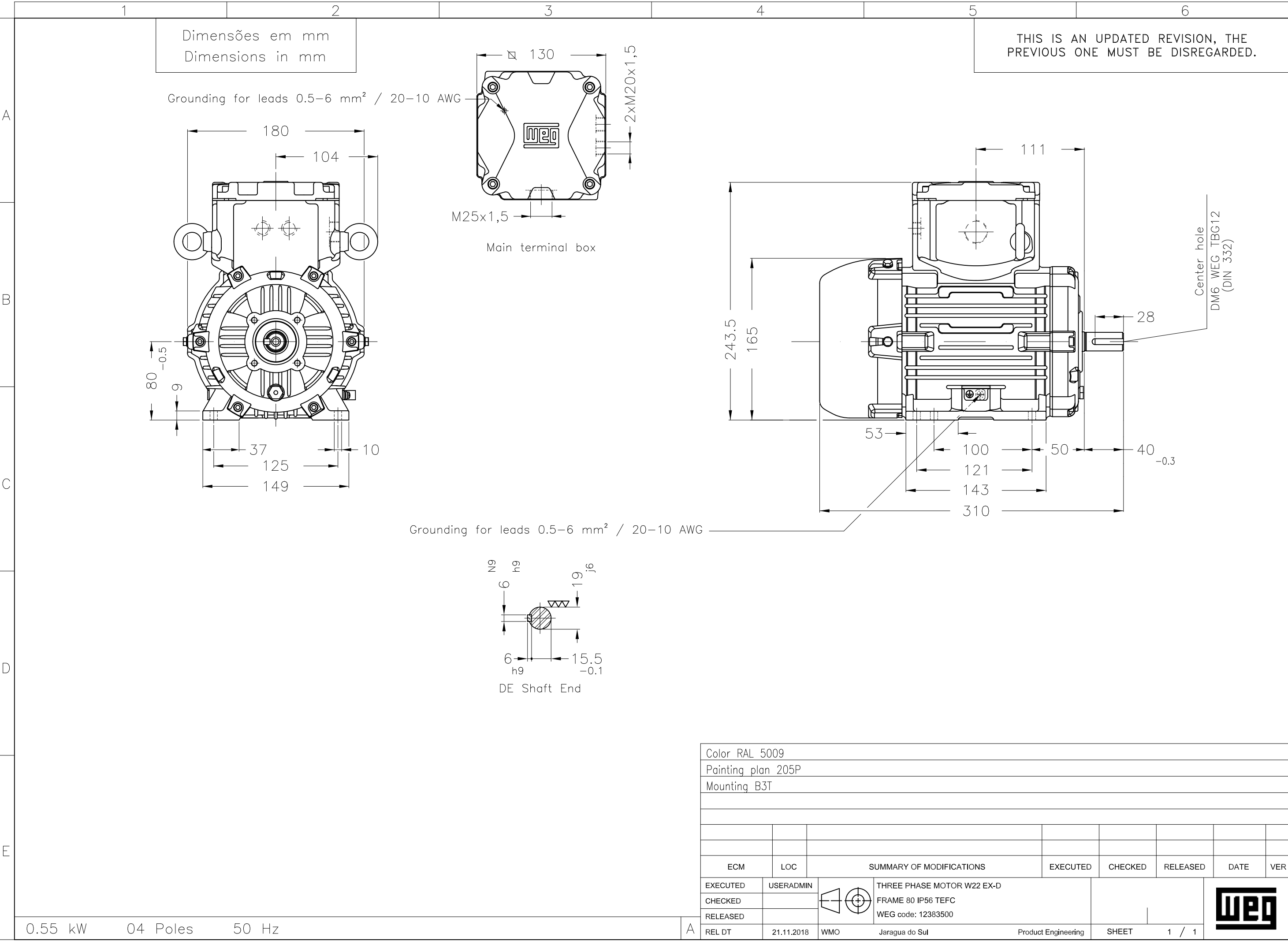


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ZME A3