

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 IE1 Three-Phase

Product code : 11360624

Frame	: 132M
Output	: 7.5 kW
Poles	: 4
Frequency	: 50 Hz
Rated voltage	: 380/660 V
Rated current	: 15.5/8.92 A
L. R. Amperes	: 99.2/57.1 A
LRC	: 6.4
No load current	: 6.65/3.83 A
Rated speed	: 1455 rpm
Slip	: 3.00 %
Rated torque	: 5.02 kgfm
Locked rotor torque	: 170 %
Breakdown torque	: 210 %
Insulation class	: F
Service factor	: 1.00
Moment of inertia (J)	: 0.0601 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	: 60.0 dB(A)
Starting method	: Direct On Line
Approx. weight ³	: 73.4 kg

Output	50%	75%	100%
Efficiency (%)	86.5	86.8	86.8
Power Factor	0.71	0.80	0.85

Foundation loads	
Max. traction	: 177 kgf
Max. compression	: 251 kgf

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6308 ZZ	6207 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.

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TORQUE AND CURRENT VS SPEED CURVE

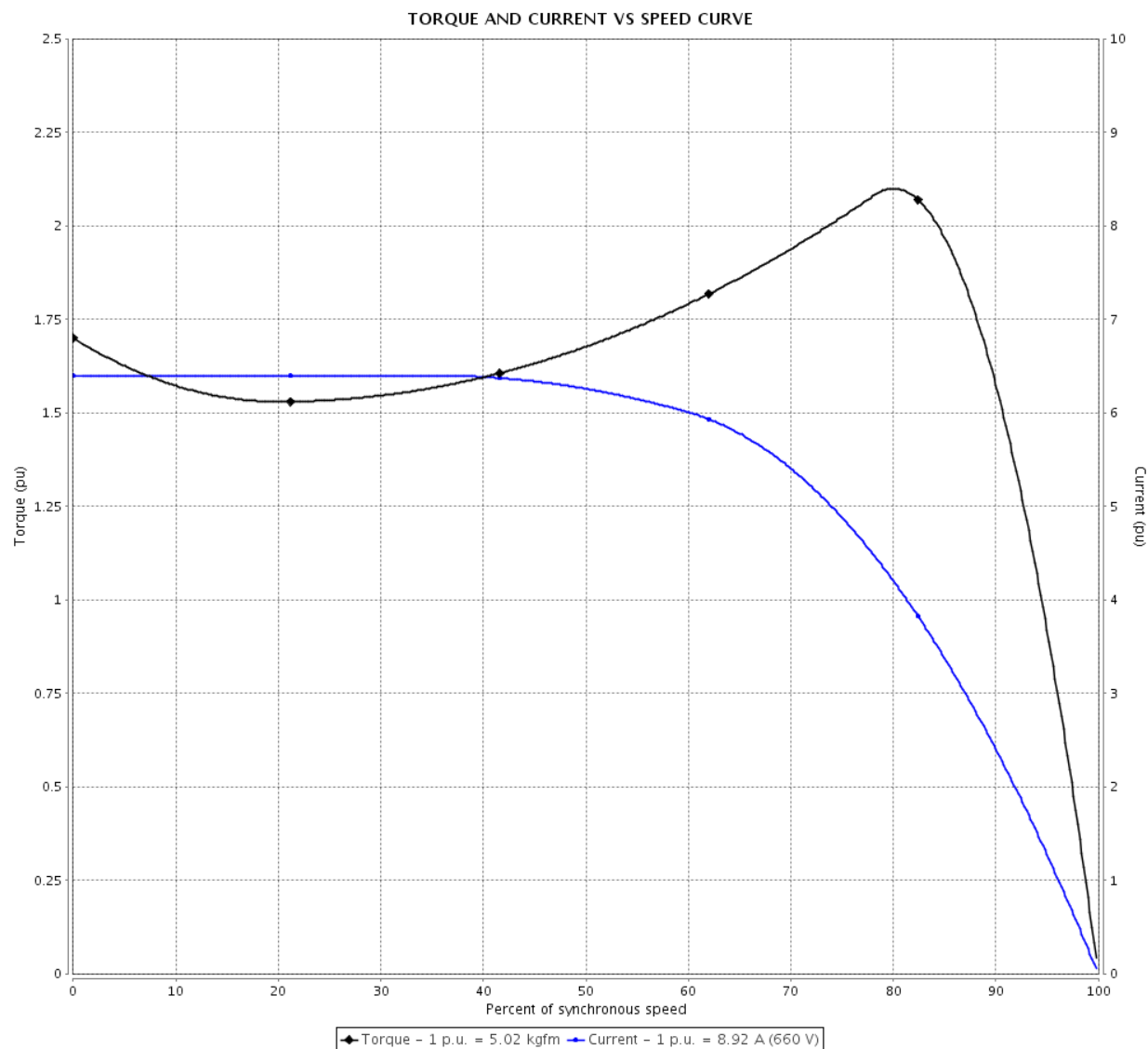
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Performance : 380/660 V 50 Hz 4P

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 LRC : 6.4
 Rated torque : 5.02 kgfm
 Locked rotor torque : 170 %
 Breakdown torque : 210 %
 Rated speed : 1455 rpm

Moment of inertia (J) : 0.0601 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

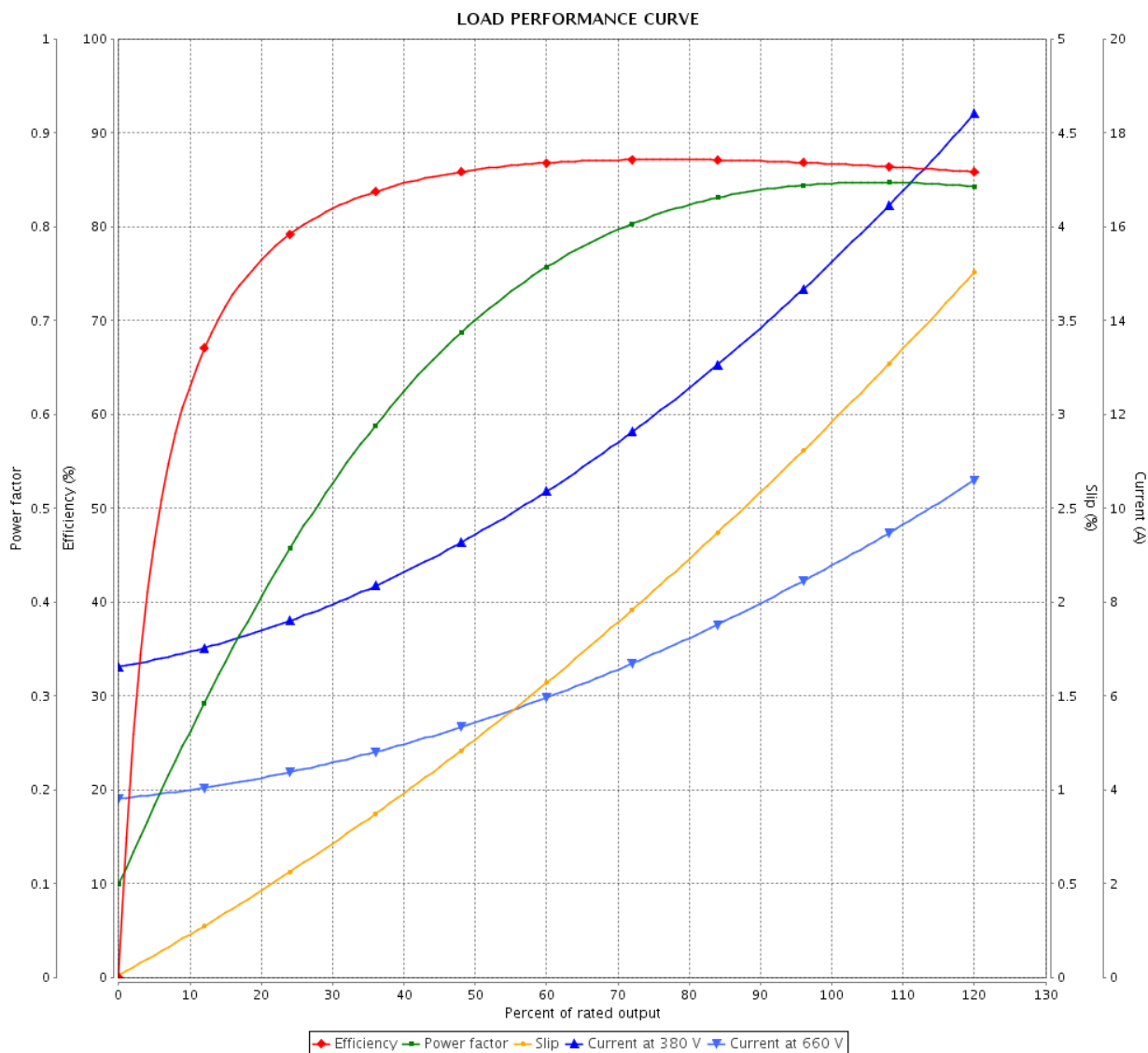
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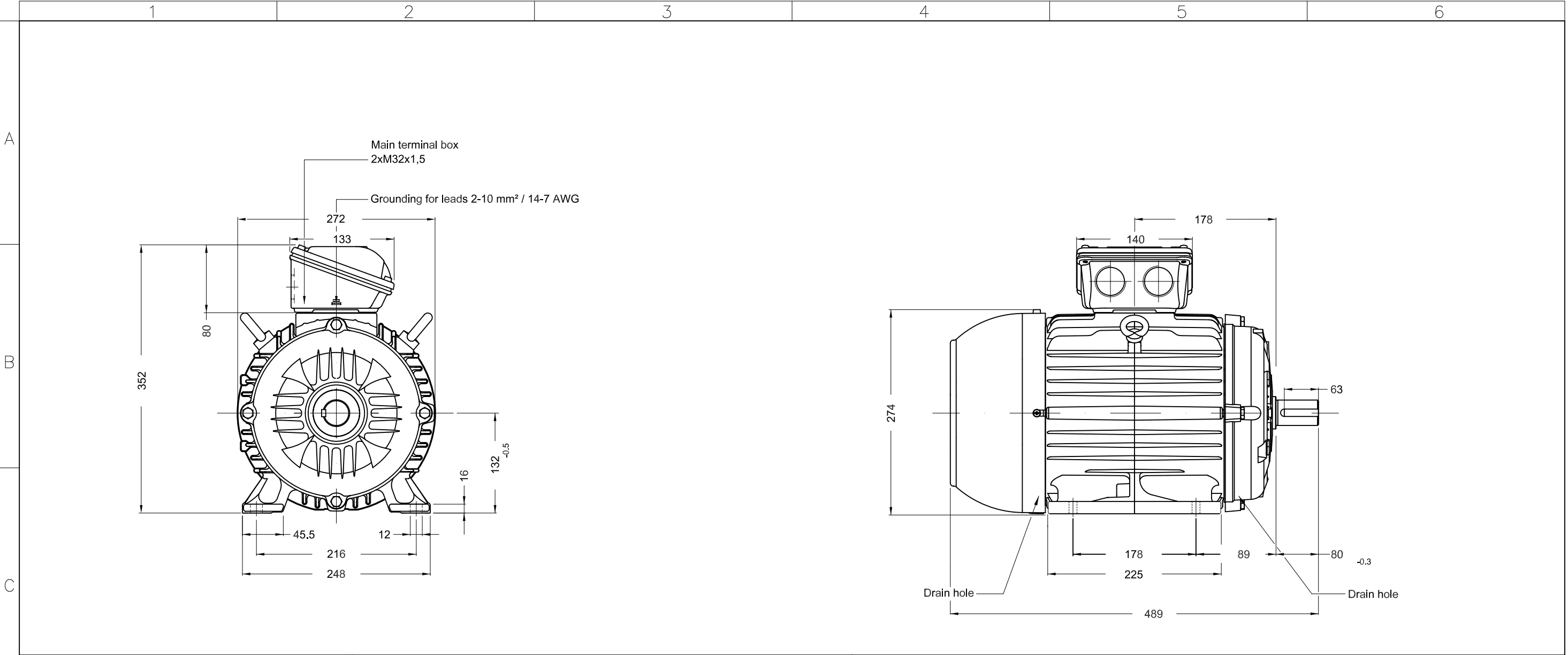


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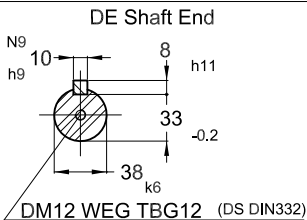
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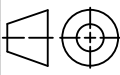
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		Revision		



Color RAL 5009
Painting plan 207A
Mounting B3T



7.5 kW 04 Poles 50 Hz A

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