DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line	: Multimounting High Efficiency Three-Phase	Product code :	16917260

Frame	: 71	Locked rotor time	: 27s (cold) 15s (hot)
Output	: 0.5 HP (0.37 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: S1
Frequency	: 50 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 380 V	Altitude	: 1000 m.a.s.l.
Rated current	: 1.13 A	Protection degree	: IP55
L. R. Amperes	: 6.22 A	Cooling method	: IC411 - TEFC
LRC	: 5.5	Mounting	: B34L(E)
No load current	: 0.800 A	Rotation¹	: Both (CW and CCW)
Rated speed	: 1370 rpm	Noise level²	: 43.0 dB(A)
Slip	: 8.67 %	Starting method	: Direct On Line
Rated torque	: 0.265 kgfm	Approx. weight³	: 10.5 kg
Locked rotor torque	: 210 %		
Breakdown torque	: 210 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0008 kgm²		
Design	: N		

Output	50%	75%	100%
Efficiency (%)	68.0	71.0	73.0
Power Factor	0.45	0.58	0.68

Foundation loads

Max. traction	: 16 kgf
Max. compression	: 27 kgf

Losses at normative operating points (speed;torque), in percentage of rated output power

P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	P4 (0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)
34.4	28.0	28.4	25.1	18.4	16.7	12.5

		Drive end	Non drive end
Bearing type	:	6202 ZZ	6202 ZZ
Sealing	:	Oil Seal	Oil 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 NEMA MG-1.

Rev.	Changes Summary	Performed	Checked	Date

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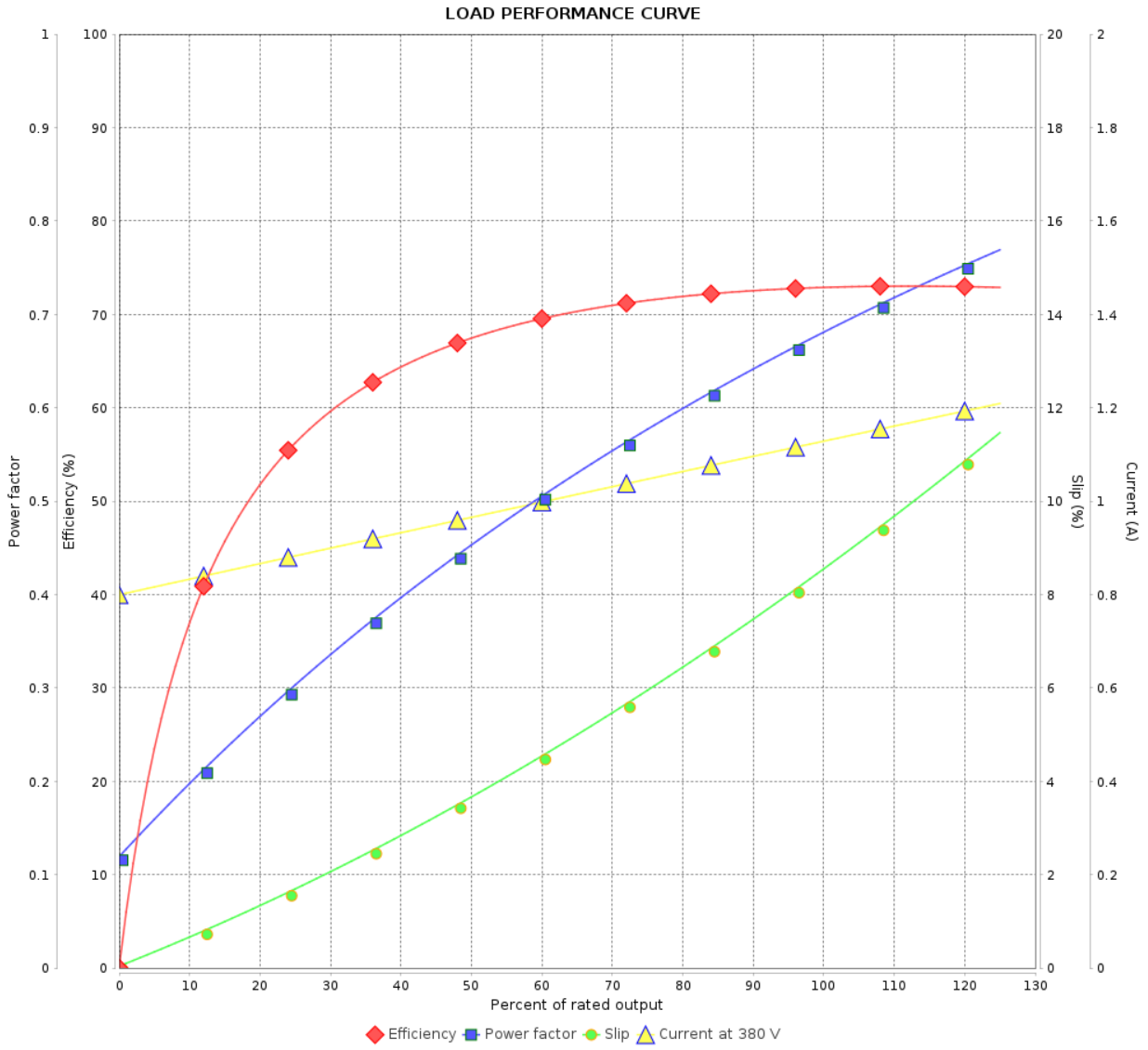
LOAD PERFORMANCE CURVE

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Product line : Multimounting High Efficiency Three-Phase

Product code : 16917260

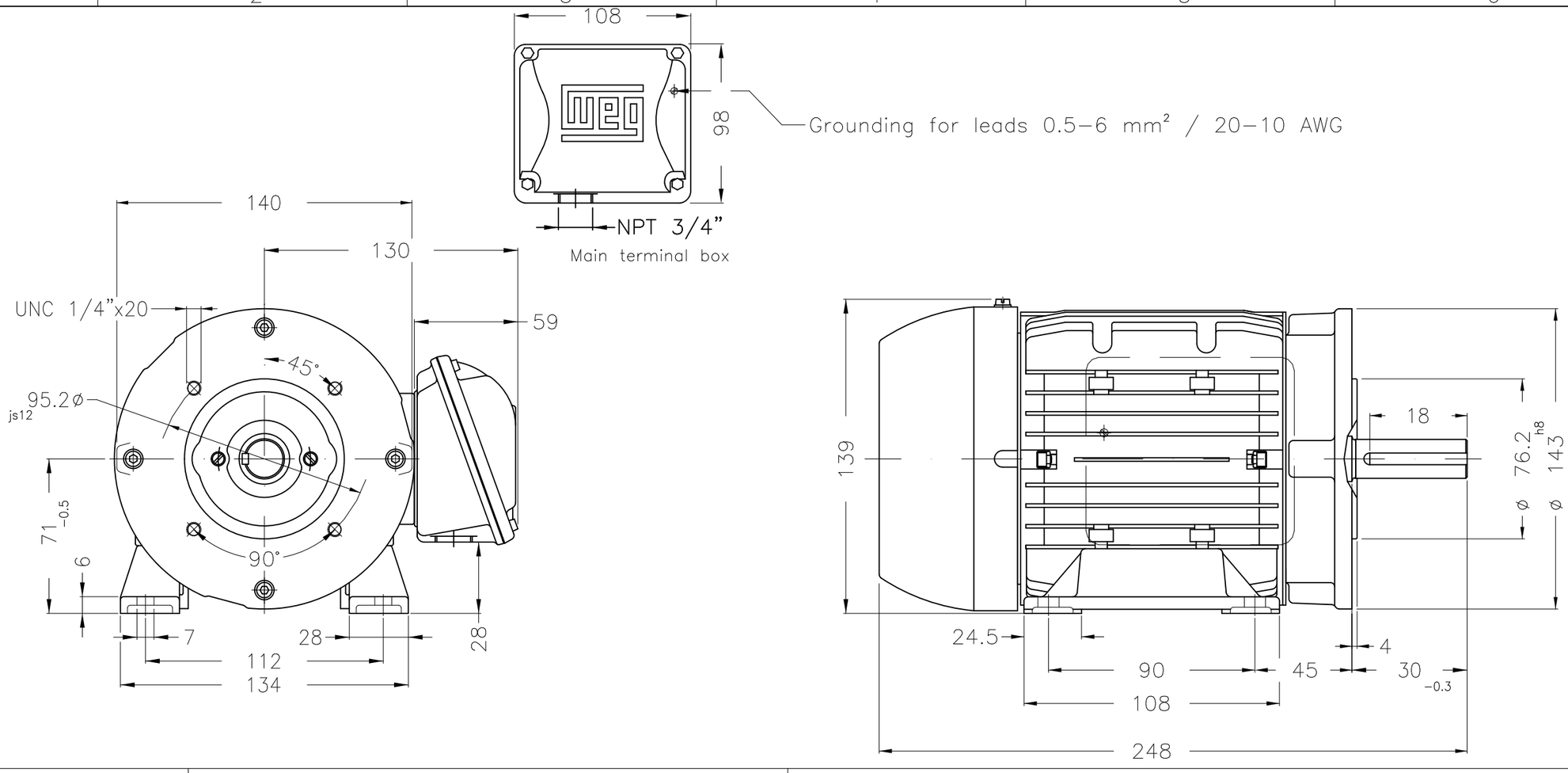


Performance	: 380 V 50 Hz 4P		
Rated current	: 1.13 A	Moment of inertia (J)	: 0.0008 kgm²
LRC	: 5.5	Duty cycle	: S1
Rated torque	: 0.265 kgfm	Insulation class	: F
Locked rotor torque	: 210 %	Service factor	: 1.15
Breakdown torque	: 210 %	Temperature rise	: 80 K
Rated speed	: 1370 rpm	Design	: N

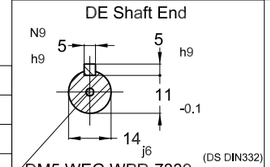
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DE Shaft End



DM5 WEG WPR-7339

Bearing cap
Color RAL 7022
Painting plan 207N
Mounting B34L(E)

0.5 HP 04 Poles 60 Hz — A

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
			HYBRISUSER				00

EXECUTED	HYBRISUSER	THREE PH. MOTOR MULTIMOUNTIN HIGH EFF.	PREVIEW
CHECKED		FRAME 71 IP55 TEFC	WDD 00
RELEASED			
REL. DATE		WMO Jaragua do Sul Product Engineering	SHEET 1 / 1

Dimensions in mm

XME A3

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