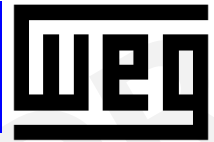


DATA SHEETPRELIMINARY
DOCUMENT**Three Phase Induction Motor - Squirrel Cage**

Customer :

Product line : W22 - Nema Premium Efficiency
Product code : 13880068

Frame	: 404/5T	Locked rotor time	: 13 s (hot) 23 s (cold)
Output	: 100 HP (75 kW)	Temperature rise ⁴	: 80 K
Poles	: 4	Duty cycle	: S1
Frequency	: 60 Hz	Ambient temperature	: -20 °C to +40 °C
Rated voltage	: 208 V	Altitude	: 1000 m.a.s.l
Rated current	: 250 A	Protection degree	: IP55
L. R. Amperes	: 1824 A	Cooling method	: IC411 - TEFC
LRC	: 7.3 Code H	Mounting	: B3R(D)
No load current	: 84.0 A	Rotation ¹	: Both
Rated speed	: 1780 rpm	Noise level ²	: 68 dB(A)
Slip	: 1.11 %	Starting method	: Direct On Line
Rated torque	: 40.8 kgfm	Approx. weight ³	: 517 kg
Locked rotor torque	: 240 %	Design	: B
Pull up torque	: 185 %		
Breakdown torque	: 260 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 1.26 kgm ²		

Output	Start	50%	75%	100%	Load type	: -
Efficiency (%)	-	95.0	95.0	95.4	Load torque	: -
Power Factor	0.43	0.77	0.84	0.87	Load inertia (J=GD ² /4)	: -

Bearing type	Drive end	Non drive end	Foundation loads	
Lubrication interval	NU-316-C3	6314-C3	Max. traction	: 771 kgf
Lubricant amount	7000 h	12000 h	Max. compression	: 1288 kgf
Lubricant type	34 g	27 g		
	MOBIL POLYREX EM			

Notes:

The vibration and noise level informed are valid when motor is operating with roller bearings respecting their minimum radial load. Thus, WEG reserves the right to test the motor with ball bearings.

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)
4.67	3.85	3.66	2.20	1.47	0.92	0.60

Standards	Specification	: MG1 - Part 10	Vibration	: MG1 - Part 7
	Test	: MG1 - Part 12	Tolerance	: MG1 - Part 12
	Noise	: MG1 - Part 9		

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 +0dB(A).
(3) Approximate weight, subject to be changed 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 1-12.

Rev.	Changes Summary	Performed	Checked	Date
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Checked by				
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LOAD PERFORMANCE CURVE

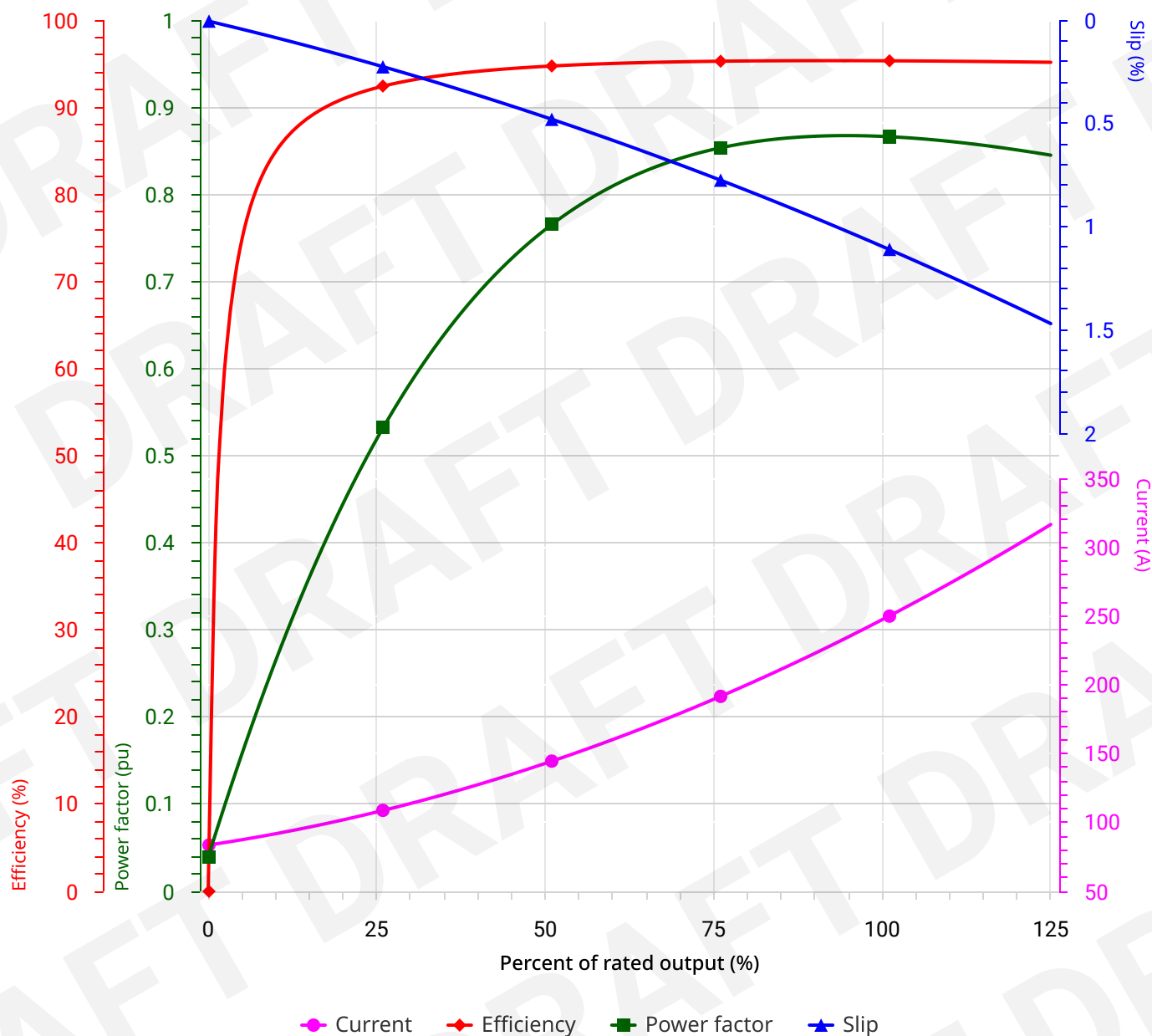
PRELIMINARY
DOCUMENT



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 - Nema Premium Efficiency
Product code : 13880068



Performance : 100 HP (75 kW) 208V 60Hz 4P 404/5T

Rated current : 250 A	Moment of inertia (J) : 1.26 kgm ²
LRC : 7.3 Code H	Duty cycle : Cont.(S1)
Rated torque : 40.8 kgfm	Insulation class : F
Locked rotor torque : 240 %	Service factor : 1.25
Breakdown torque : 260 %	Temperature rise : 80 K
Rated speed : 1780 rpm	Design : B

Rev.	Changes Summary		Performed	Checked	Date
Performed by		Page 2/2 Revision 0			
Checked by					
Date	2026/10/17				