

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

Customer :

Product line : W01 - TEFC - Nema Premium Efficiency JP
Product code : 13285848

Frame	: 254/6	Locked rotor time	: 19 s (hot) 34 s (cold)
Output	: 15 HP (11 kW)	Temperature rise ⁴	: 80 K
Poles	: 4	Duty cycle	: S1
Frequency	: 60 Hz	Ambient temperature	: -20 °C to +40 °C
Rated voltage	: 575 V	Altitude	: 1000 m.a.s.l
Rated current	: 14.6 A	Protection degree	: IP55
L. R. Amperes	: 94.6 A	Cooling method	: IC411 - TEFC
LRC	: 6.5 Code H	Mounting	: F-1/B34R(D)
No load current	: 6.92 A	Rotation ¹	: Both
Rated speed	: 1770 rpm	Noise level ²	: 68 dB(A)
Slip	: 1.67 %	Starting method	: Direct On Line
Rated torque	: 6.15 kgfm	Approx. weight ³	: 89.3 kg
Locked rotor torque	: 250 %	Design	: B
Pull up torque	: 210 %		
Breakdown torque	: 300 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0904 kgm ²		

Output	Start	50%	75%	100%	Load type	: -
Efficiency (%)	-	91.0	92.4	92.4	Load torque	: -
Power Factor	0.50	0.64	0.76	0.82	Load inertia (J=GD ² /4)	: -

	Drive end	Non drive end
Bearing type	6309-Z-C3	6208-Z-C3
Lubrication interval	20000 h	20000 h
Lubricant amount	13 g	8 g
Lubricant type	MOBIL POLYREX EM	

Notes:

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)
9.49	8.45	8.10	4.45	3.27	2.14	1.61

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.

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LOAD PERFORMANCE CURVE

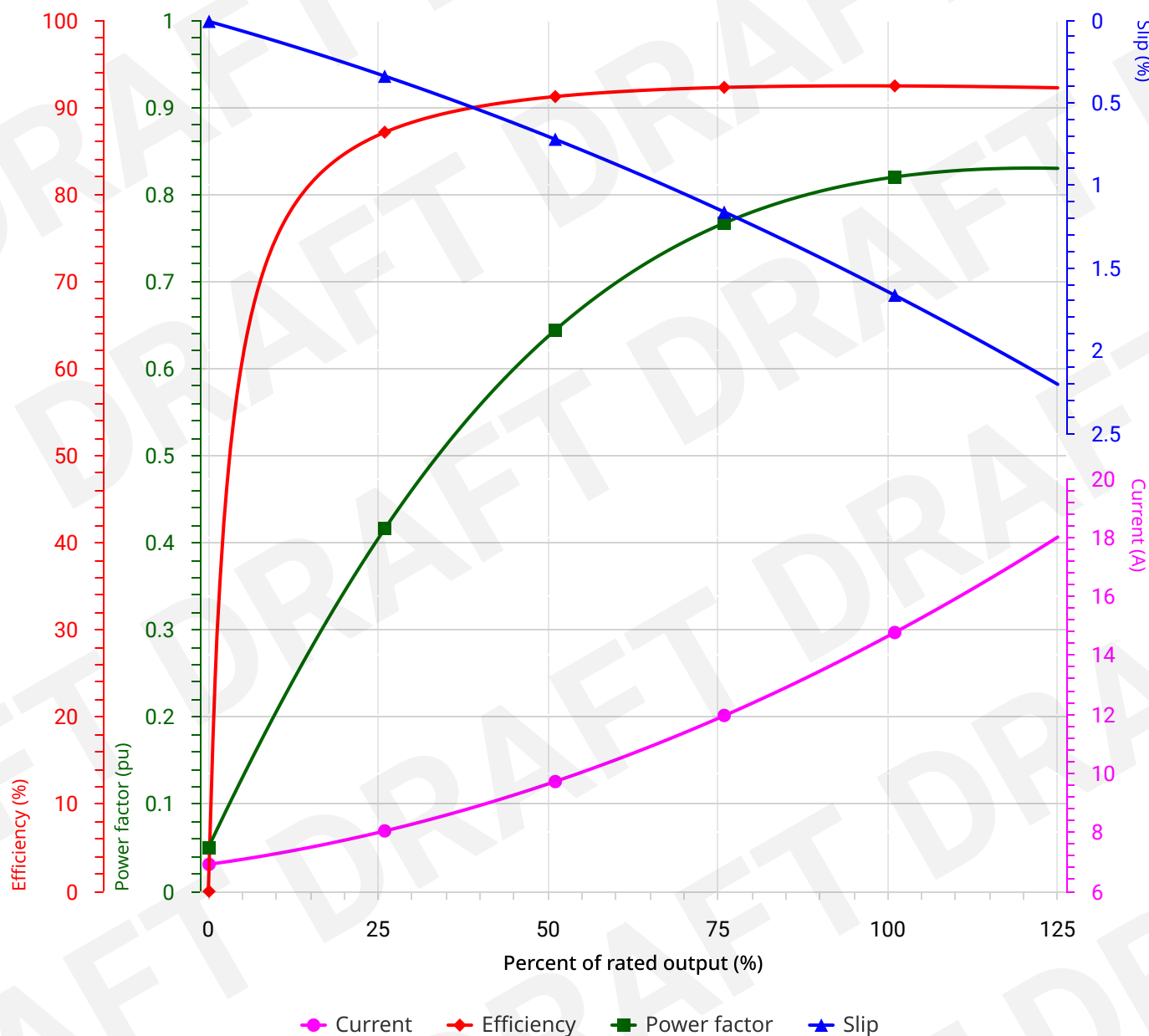
PRELIMINARY
DOCUMENT



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Performance : 15 HP (11 kW) 575V 60Hz 4P 254/6

Rated current	: 14.6 A	Moment of inertia (J)	: 0.0904 kgm ²
LRC	: 6.5 Code H	Duty cycle	: Cont.(S1)
Rated torque	: 6.15 kgfm	Insulation class	: F
Locked rotor torque	: 250 %	Service factor	: 1.15
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 1770 rpm	Design	: B

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