

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

Customer :

Product line : W22 Jet Pump Motors JM - Nema Premium Efficiency
Product code : 12406631

Frame	:		Locked rotor time	:	13 s (hot) 23 s (cold)
Output	:	1.5 HP (1.1 kW)	Temperature rise ⁴	:	80 K
Poles	:	2	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	:	1.64 A	Protection degree	:	IP55
L. R. Amperes	:	14.6 A	Cooling method	:	IC411 - TEFC
LRC	:	8.9 Code L	Mounting	:	B34R(D)
No load current	:	0.880 A	Rotation ¹	:	Both
Rated speed	:	3510 rpm	Noise level ²	:	68 dB(A)
Slip	:	2.50 %	Starting method	:	Direct On Line
Rated torque	:	0.310 kgfm	Approx. weight ³	:	18.5 kg
Locked rotor torque	:	270 %	Design	:	B
Pull up torque	:	230 %			
Breakdown torque	:	370 %			
Insulation class	:	F			
Service factor	:	1.25			
Moment of inertia (J)	:	0.002 kgm ²			

Output	Start	50%	75%	100%	Load type	: -
Efficiency (%)	-	81.0	84.0	84.0	Load torque	: -
Power Factor	0.65	0.60	0.72	0.8	Load inertia (J=GD ² /4)	: -

Bearing type	Drive end	Non drive end	Foundation loads	
Lubrication interval	6206-ZZ	6204-ZZ	Max. traction	: 23 kgf
Lubricant amount	-	-	Max. compression	: 42 kgf
Lubricant type	POLYUREA BASED GREASE			

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)
17.31	12.87	12.91	11.08	6.59	5.28	3.52

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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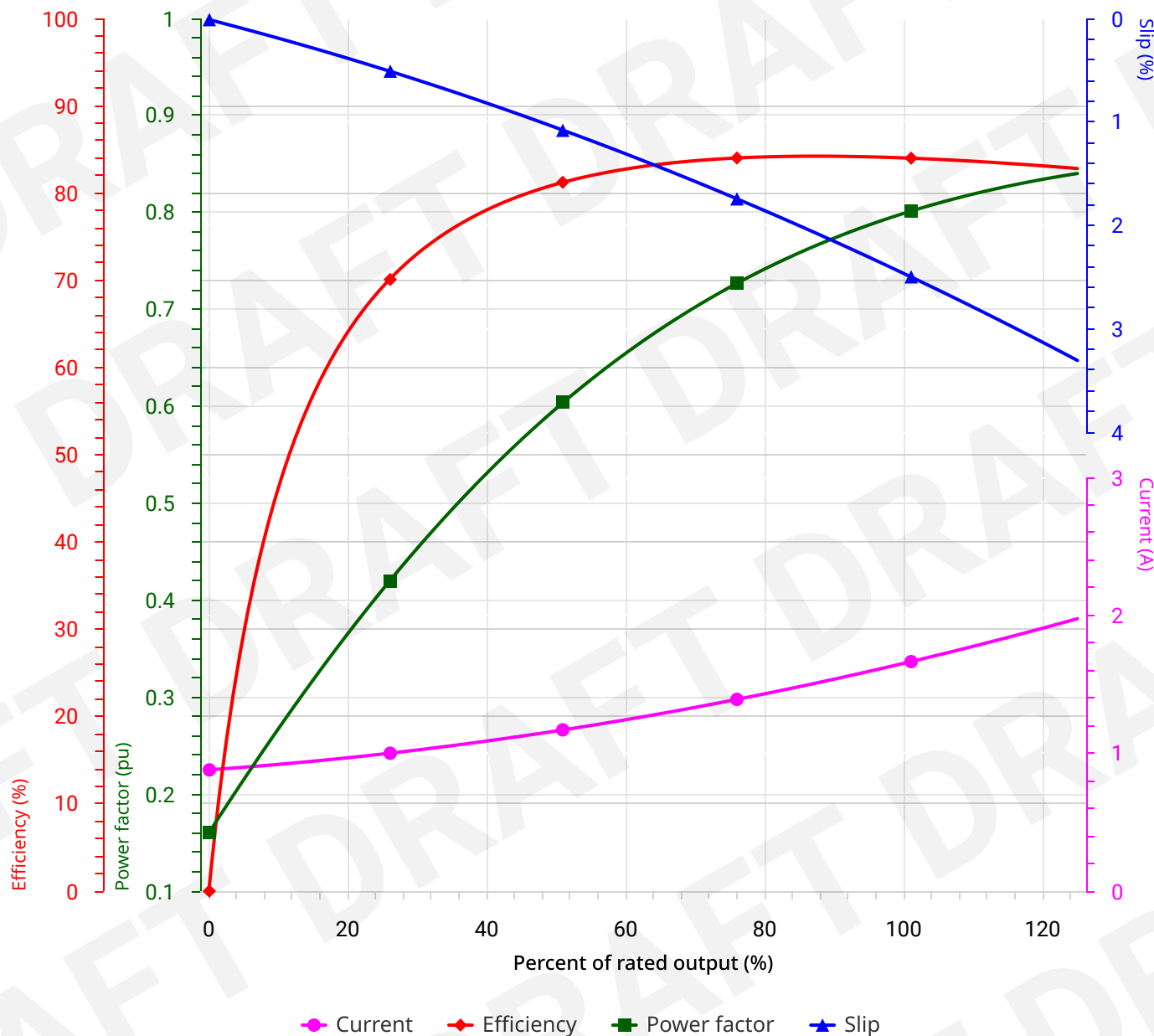
PRELIMINARY
DOCUMENT



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Performance : 1.5 HP (1.1 kW) 575V 60Hz 2P

Rated current	: 1.64 A	Moment of inertia (J)	: 0.002 kgm ²
LRC	: 8.9 Code L	Duty cycle	: Cont.(S1)
Rated torque	: 0.310 kgfm	Insulation class	: F
Locked rotor torque	: 270 %	Service factor	: 1.25
Breakdown torque	: 370 %	Temperature rise	: 80 K
Rated speed	: 3510 rpm	Design	: B

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