

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

Customer :

Product line : W22 Jet Pump Motors JM - Nema Premium Efficiency
Product code : 11986335

Frame	:		Locked rotor time	:	14 s (hot) 25 s (cold)
Output	:	1.5 HP (1.1 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	:	1.68 A	Protection degree	:	IP55
L. R. Amperes	:	14.1 A	Cooling method	:	IC411 - TEFC
LRC	:	8.4 Code L	Mounting	:	B34R(D)
No load current	:	0.960 A	Rotation ¹	:	Both
Rated speed	:	1755 rpm	Noise level ²	:	51 dB(A)
Slip	:	2.50 %	Starting method	:	Direct On Line
Rated torque	:	0.620 kgfm	Approx. weight ³	:	22.0 kg
Locked rotor torque	:	290 %	Design	:	B
Pull up torque	:	245 %			
Breakdown torque	:	350 %			
Insulation class	:	F			
Service factor	:	1.25			
Moment of inertia (J)	:	0.006 kgm ²			

Output	Start	50%	75%	100%	Load type	:-
Efficiency (%)	-	82.5	85.5	86.5	Load torque	:-
Power Factor	0.69	0.54	0.67	0.76	Load inertia (J=GD ² /4)	:-

Bearing type	Drive end	Non drive end	Foundation loads	
Lubrication interval	6206-ZZ	6204-ZZ	Max. traction	: 50 kgf
Lubricant amount	-	-	Max. compression	: 72 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)
14.68	12.06	11.97	8.74	6.14	4.88	3.64

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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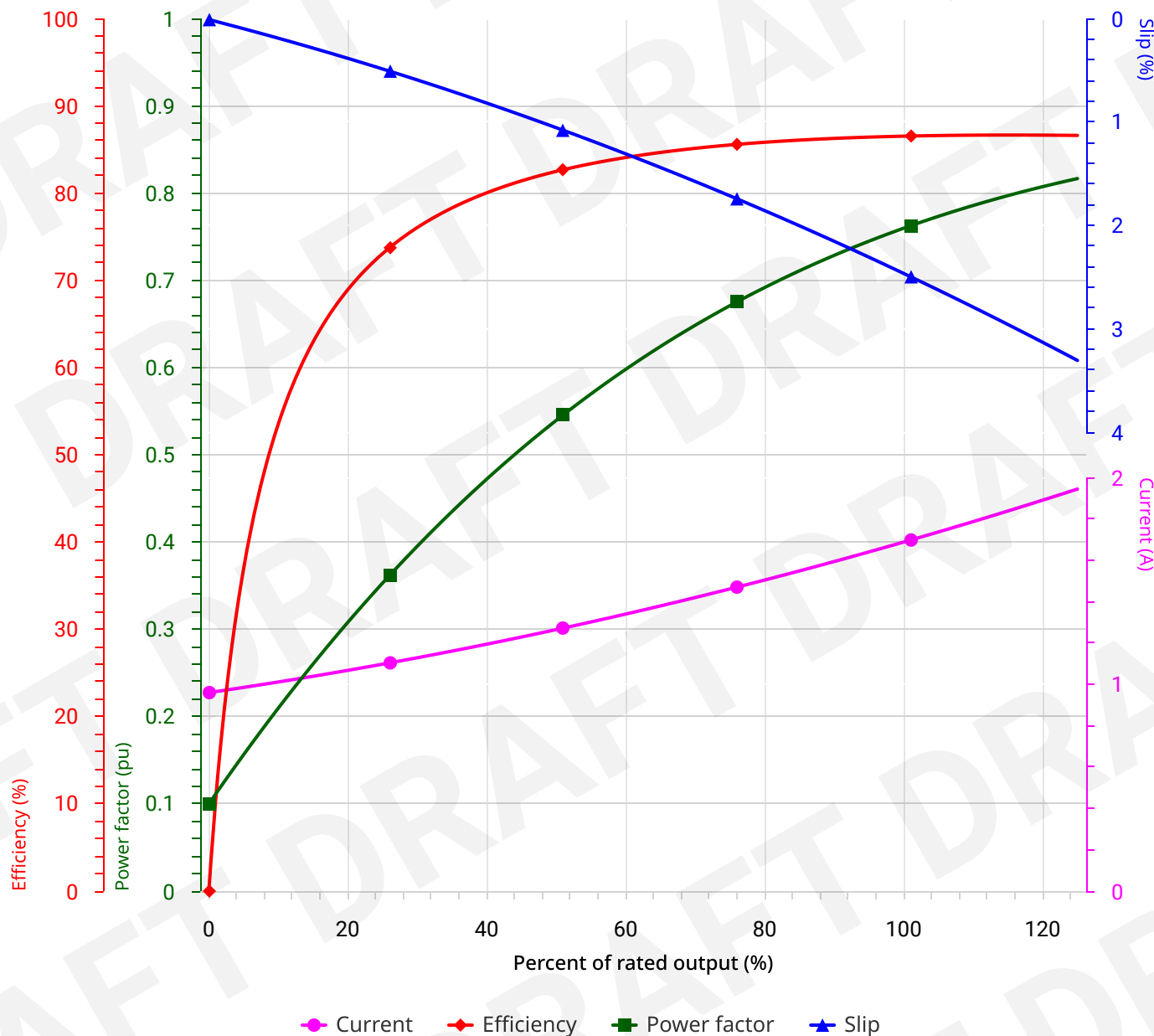
PRELIMINARY
DOCUMENT



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Product code : 11986335



Performance : 1.5 HP (1.1 kW) 575V 60Hz 4P

Rated current : 1.68 A	Moment of inertia (J) : 0.006 kgm ²
LRC : 8.4 Code L	Duty cycle : Cont.(S1)
Rated torque : 0.620 kgfm	Insulation class : F
Locked rotor torque : 290 %	Service factor : 1.25
Breakdown torque : 350 %	Temperature rise : 80 K
Rated speed : 1755 rpm	Design : B

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