DATA SHEET

Single Phase Induction Motor - Squirrel Cage

PRELIMINARY DOCUMENT

Customer	:

Product line	: W01 - ODP - Premium Efficiency (DOE) Jet Pump - Forma C
Product code	: 14009860

Frame	: 56
Output	: 1.5 HP (1.1 kW)
Poles	: 2
Frequency	: 60 Hz
Rated voltage	: 115/208-230 V
Rated current	: 12.4/6.86-6.20 A
L. R. Amperes	: 102/50.8 A
LRC	: 8.2 Code J
No load current	: 3.20/1.60 A
Rated speed	: 3500 rpm
Slip	: 2.78 %
Rated torque	: 0.311 kgfm
Locked rotor torque	: 260 %
Pull up torque	: 220 %
Breakdown torque	: 270 %
Insulation class	: F
Service factor	: 1.30
Moment of inertia (J)	: 0.0027 kgm²

Locked rotor time	: 10 s (hot) 18 s (cold)
Duty cycle	: S1
Ambient temperature	: -20 °C to +40 °C
Altitude	: 1000 m.a.s.l
Protection degree	: IP21
Cooling method	: IC01 - ODP
Mounting	: F-1/B14R(D)
Rotation[1]	: Counter clockwise
Noise level[2]	: 58 dB(A)
Starting method	: Direct On Line
Approx. weight[3]	: 14.5 kg
Design	: L

Output	Start	50%	75%	100%
Efficiency (%)	-	73.0	79.0	81.5
Power Factor	0.87	0.92	0.95	0.95

Load type	: -
Load torque	: -
Load inertia (J=GD²/4)	: -

	Drive end	Non drive end
Bearing type	6203-2RS	6202-2RS
Lubrication interval	-	-
Lubricant amount	-	-
Lubricant type	MOBIL POLYREX EM	

Foundation loads	
Max. traction	: -
Max. compression	: -

Notes:

Standards

Specification	: MG1 - Part 10	Vibration	:
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

Performed by			
Checked by		Page	Revision
Date	2026/10/20	1/2	0

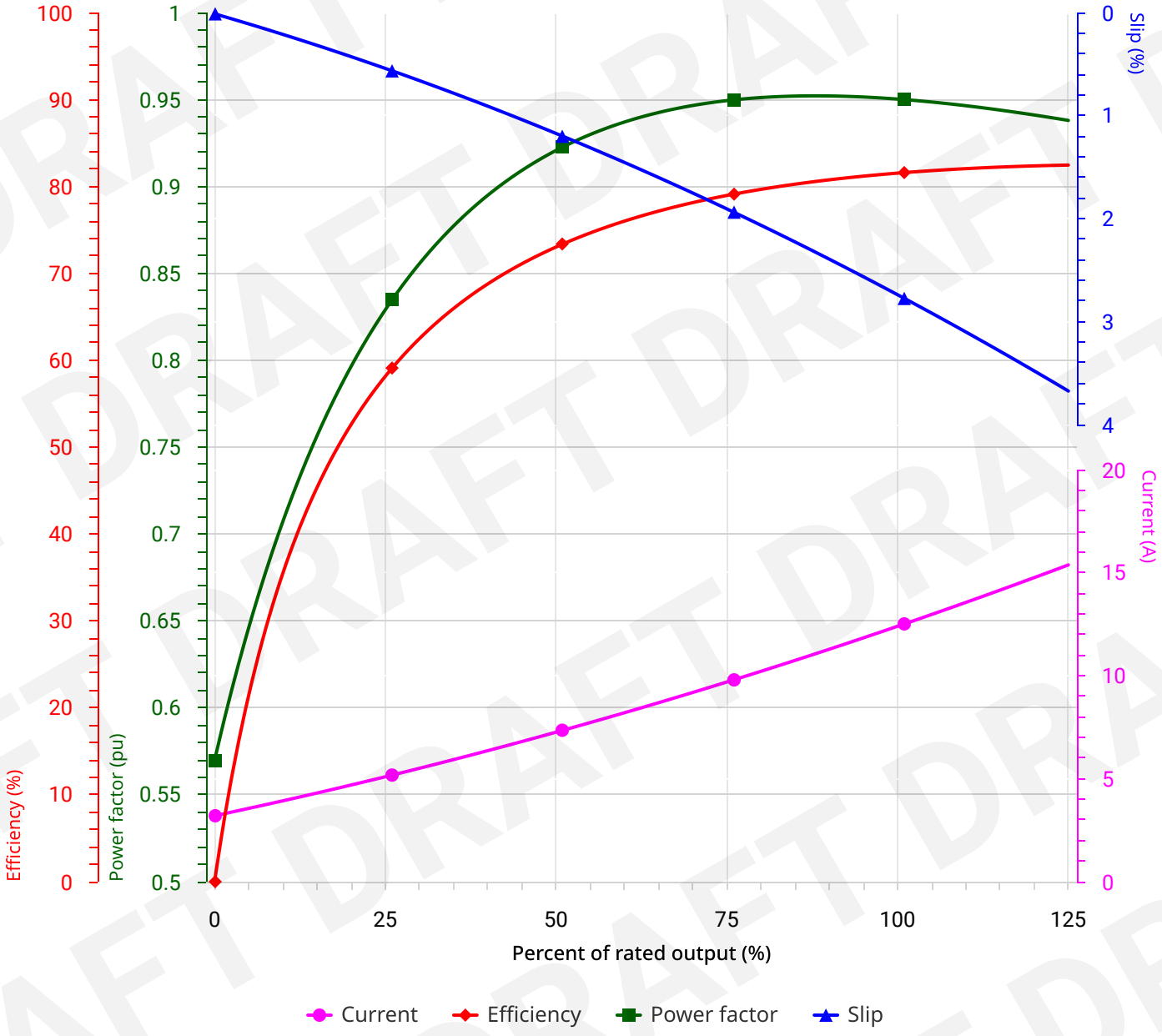
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Single Phase Induction Motor - Squirrel Cage

PRELIMINARY DOCUMENT

Customer	:
Product line	: W01 - ODP - Premium Efficiency (DOE) Jet Pump - Forma C
Product code	: 14009860



Performance	: 1.5 HP (1.1 kW) 115/208/230V 60Hz 2P 56

Rated current	: 12.4/6.86/6.20 A	Moment of inertia (J)	: 0.0027 kgm²
LRC	: 8.2 Code J	Duty cycle	: Cont.(S1)
Rated torque	: 0.311 kgfm	Insulation class	: F
Locked rotor torque	: 260 %	Service factor	: 1.30
Breakdown torque	: 270 %	Temperature rise	: 80 K
Rated speed	: 3500 rpm	Design	: L

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Date	2026/10/20		2/2	0

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