

# DATA SHEET



## Single Phase Induction Motor - Squirrel Cage

Customer : \_\_\_\_\_

Product line : W01 - TEFC - Premium Efficiency (DOE) Jet Pump - Forma J  
 Product code : 18120341

Frame	: 56J	Locked rotor time	: 10 s (hot) 18 s (cold)
Output	: 1.5 HP (1.1 kW)	Duty cycle	: S1
Poles	: 2	Ambient temperature	: -20 °C to +40 °C
Frequency	: 60 Hz	Altitude	: 1000 m.a.s.l
Rated voltage	: 115/208-230 V	Protection degree	: IP55
Rated current	: 12.4/6.66-6.18 A	Cooling method	: IC411 - TEFC
L. R. Amperes	: 103/51.3 A	Mounting	: F-1/B14R(D)
LRC	: 8.3 Code J	Rotation <sup>1</sup>	: Counter clockwise
No load current	: 2.40/1.20 A	Noise level <sup>2</sup>	: 68 dB(A)
Rated speed	: 3500 rpm	Vibration class	: A
Slip	: 2.78 %	Starting method	: Direct On Line
Rated torque	: 2.25 ft.lb	Approx. weight <sup>3</sup>	: 33.1 lb
Locked rotor torque	: 250 %	Painting plan	: 207N
Pull up torque	: 210 %	Color	: MUNSELL N 1 - MATTE
Breakdown torque	: 270 %	Design	: L
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0664 sq.ft.lb		

Output	Start	50%	75%	100%	Load type	: -
Efficiency (%)	-	68.0	75.5	81.5	Load torque	: -
Power Factor	0.87	0.95	0.95	0.95	Load inertia (J=GD <sup>2</sup> /4)	: -

Bearing type	Drive end	Non drive end	Foundation loads
Lubrication interval	6203-2RS	6202-2RS	Max. traction
Lubricant amount	-	-	Max. compression
Lubricant type	MOBIL POLYREX EM		

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 +3dB(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
				20/05/2026
Performed by	t-omars			148974/2026
Checked by	AUTOMATICO		Page	Revision
Date	20/05/2026		1/2	0

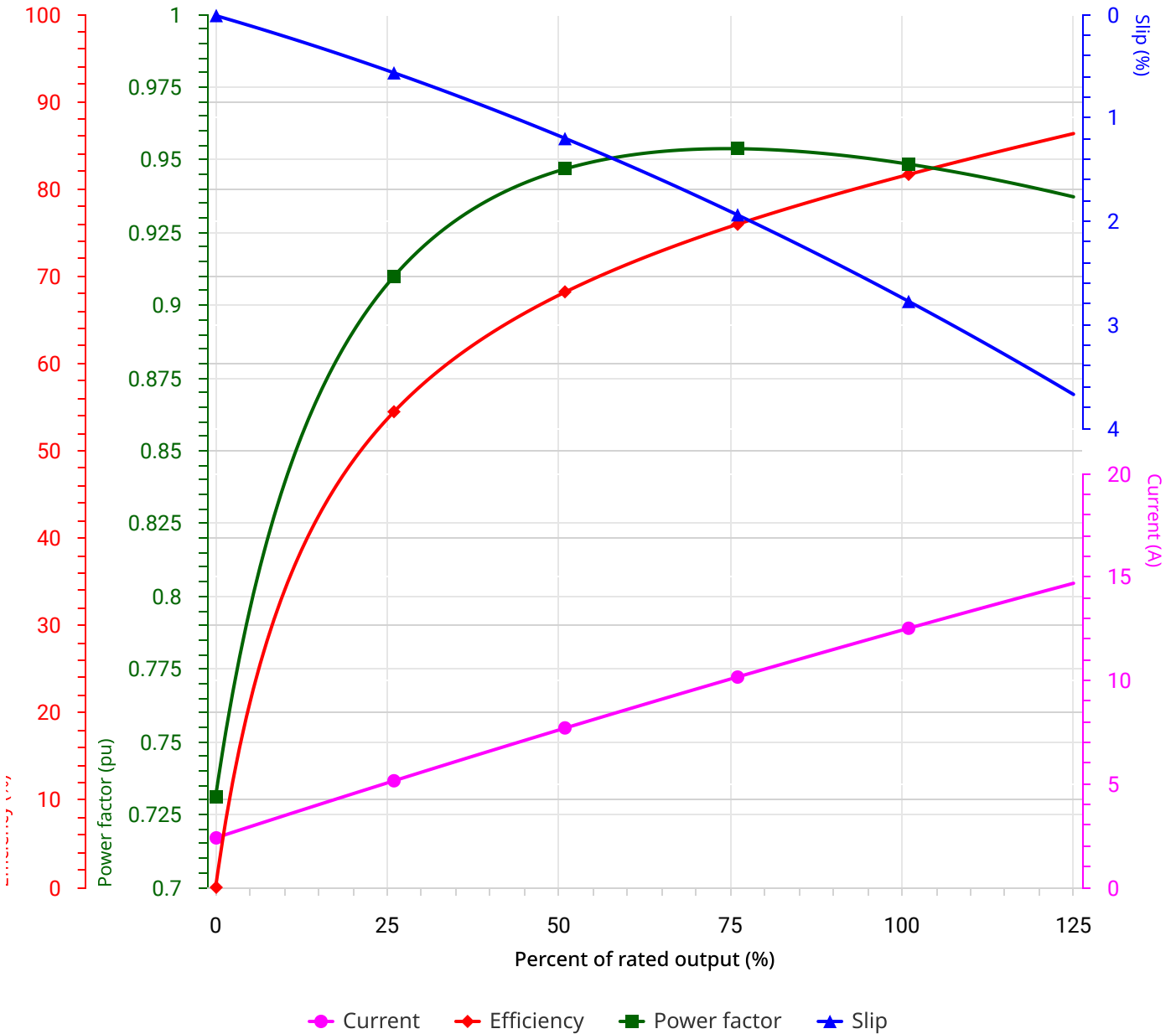
# LOAD PERFORMANCE CURVE



## Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : W01 - TEFC - Premium Efficiency (DOE) Jet Pump - Forma J  
 Product code : 18120341



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

Rated current	: 12.4/6.66/6.18 A	Moment of inertia (J)	: 0.0664 sq.ft.lb
LRC	: 8.3 Code J	Duty cycle	: Cont.(S1)
Rated torque	: 2.25 ft.lb	Insulation class	: F
Locked rotor torque	: 250 %	Service factor	: 1.15
Breakdown torque	: 270 %	Temperature rise	: 80 K
Rated speed	: 3500 rpm	Design	: L

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