DATA SHEET

Single Phase Induction Motor - Squirrel Cage

PRELIMINARY DOCUMENT

Customer	:
Product line	: W01 - TEFC - Premium Efficiency (DOE)
Product code	: 14573926

Frame	: W56	Locked rotor time	: 20 s (hot) 36 s (cold)
Output	: 0.5 HP (0.37 kW)	Duty cycle	: S1
Poles	: 4	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	: 5.22/2.90-2.61 A	Cooling method	: IC411 - TEFC
L. R. Amperes	: 38.6/19.3 A	Mounting	: F-1/B14R(D)
LRC	: 7.4 Code K	Rotation[1]	: Both
No load current	: 2.80/1.40 A	Noise level[2]	: 52 dB(A)
Rated speed	: 1740 rpm	Starting method	: Direct On Line
Slip	: 3.33 %	Approx. weight[3]	: 10.0 kg
Rated torque	: 0.209 kgfm	Design	: N
Locked rotor torque	: 300 %		
Pull up torque	: 255 %		
Breakdown torque	: 270 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0024 kgm²		

Output	Start	50%	75%	100%
Efficiency (%)	-	68.0	72.0	77.0
Power Factor	0.93	0.67	0.71	0.8

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

	Drive end	Non drive end
Bearing type	6203-ZZ	6202-ZZ
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

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Date	2026/10/17		1/2	0

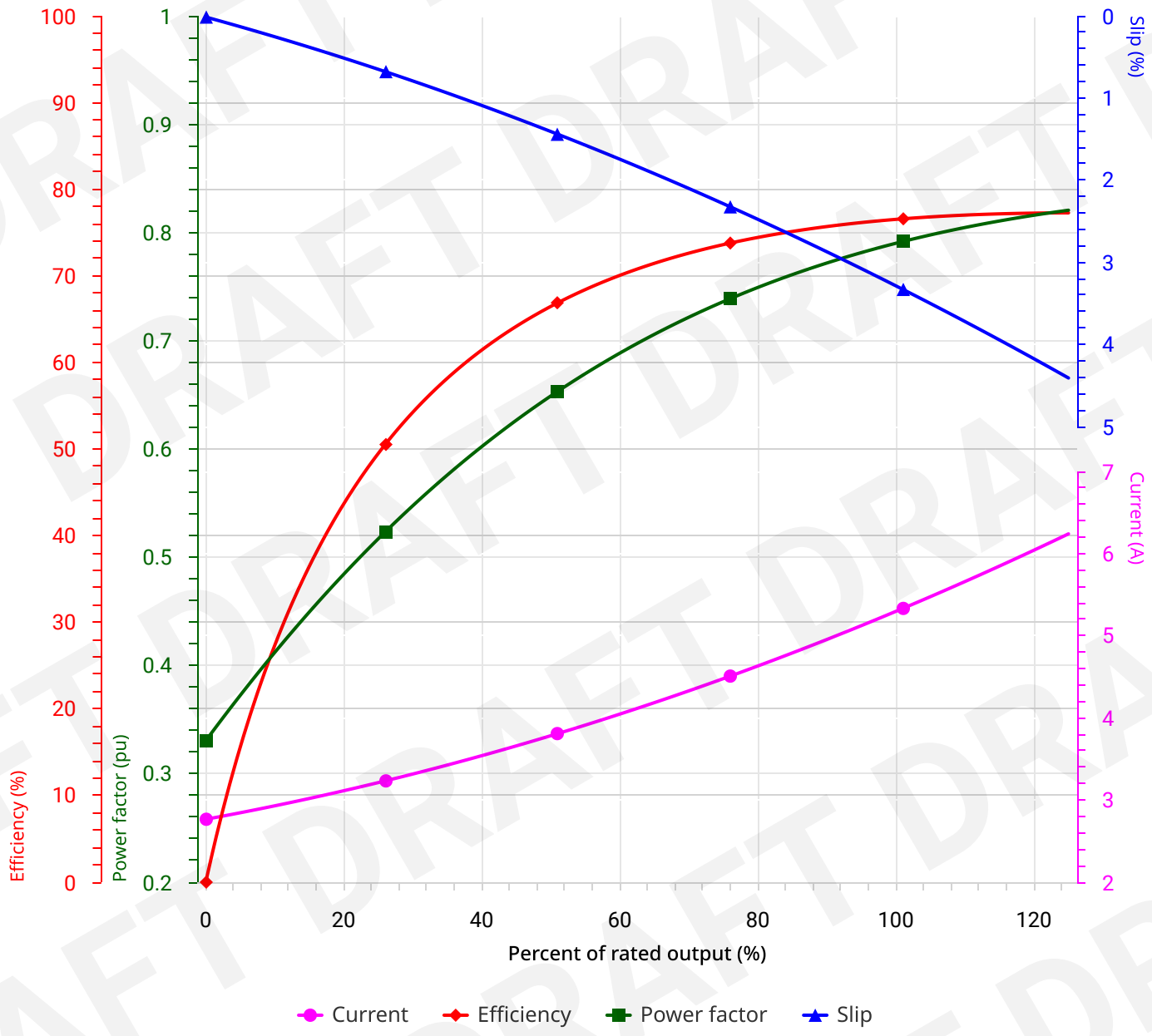
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LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

PRELIMINARY DOCUMENT

Customer	:
Product line	: W01 - TEFC - Premium Efficiency (DOE)
Product code	: 14573926



Performance	: 0.5 HP (0.37 kW) 115/208/230V 60Hz 4P W56

Rated current	: 5.22/2.90/2.61 A	Moment of inertia (J)	: 0.0024 kgm²
LRC	: 7.4 Code K	Duty cycle	: Cont.(S1)
Rated torque	: 0.209 kgfm	Insulation class	: F
Locked rotor torque	: 300 %	Service factor	: 1.15
Breakdown torque	: 270 %	Temperature rise	: 80 K
Rated speed	: 1740 rpm	Design	: N

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