

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

Customer :

Product line : W01 - ODP - Premium Efficiency (DOE)
Product code : 14371249

Frame	: 56	Locked rotor time	: 18 s (hot) 32 s (cold)
Output	: 0.75 HP (0.55 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	: IP21
Rated current	: 6.80/3.76-3.40 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 58.5/29.2 A	Mounting	: F-1/B34R(D)
LRC	: 8.6 Code K	Rotation ¹	: Both
No load current	: 2.40/1.20 A	Noise level ²	: 58 dB(A)
Rated speed	: 3510 rpm	Starting method	: Direct On Line
Slip	: 2.50 %	Approx. weight ³	: 11.5 kg
Rated torque	: 0.155 kgfm	Design	: N
Locked rotor torque	: 300 %		
Pull up torque	: 255 %		
Breakdown torque	: 300 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 0.0018 kgm ²		

Output	Start	50%	75%	100%	Load type	: -
Efficiency (%)	-	64.0	71.0	76.2	Load torque	: -
Power Factor	0.86	0.88	0.92	0.93	Load inertia (J=GD ² /4)	: -

Bearing type	Drive end	Non drive end	Foundation loads
Lubrication interval	6203-ZZ	6202-ZZ	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 +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
					2026/10/22
Performed by				Page 1/2	Revision 0
Checked by					
Date	2026/10/22				

LOAD PERFORMANCE CURVE

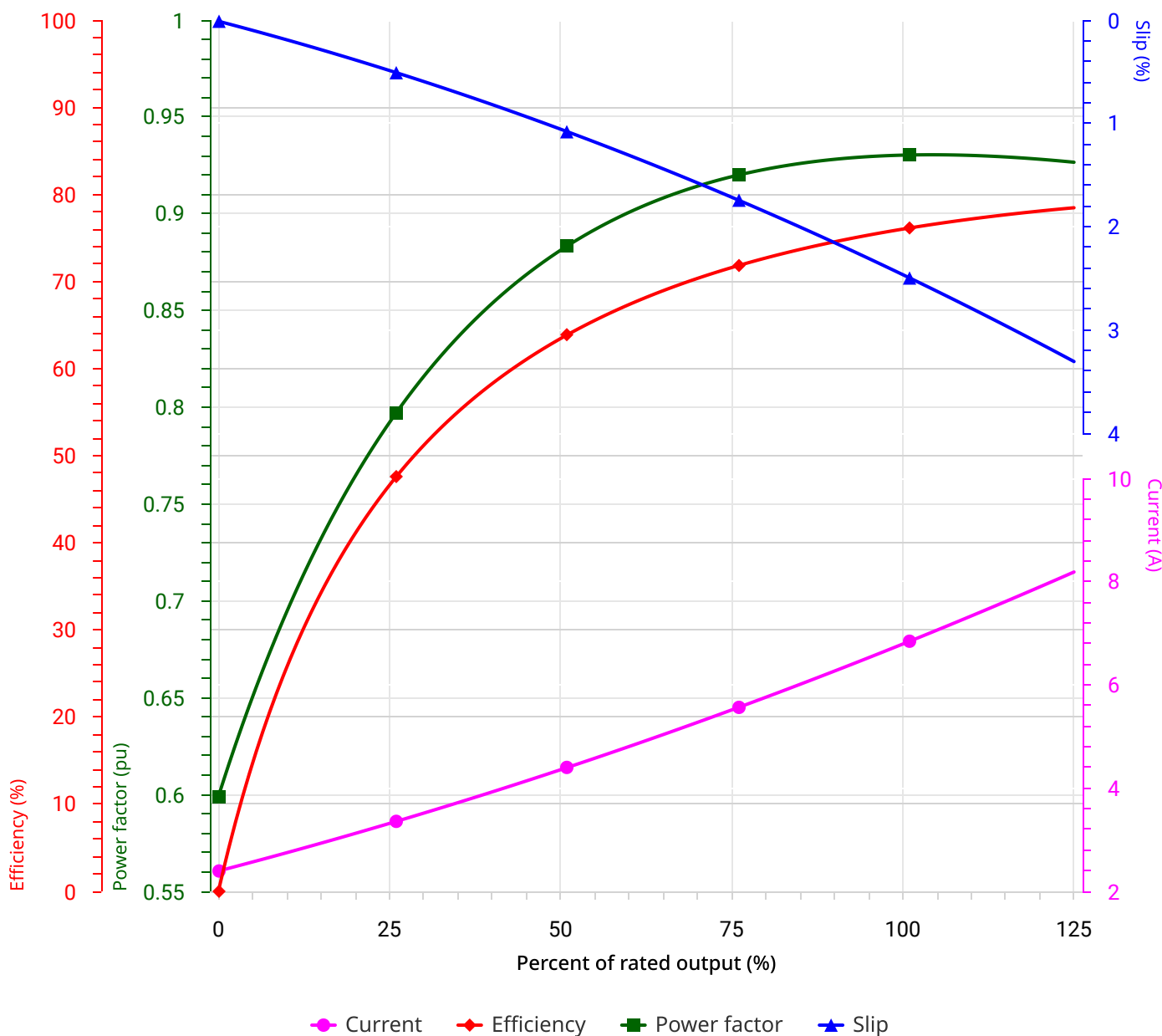
PRELIMINARY
DOCUMENT



Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : W01 - ODP - Premium Efficiency (DOE)
Product code : 14371249



Performance : 0.75 HP (0.55 kW) 115/208/230V 60Hz 2P 56

Rated current : 6.80/3.76/3.40 A
LRC : 8.6 Code K
Rated torque : 0.155 kgfm
Locked rotor torque : 300 %
Breakdown torque : 300 %
Rated speed : 3510 rpm

Moment of inertia (J) : 0.0018 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.25
Temperature rise : 80 K
Design : N

Rev.	Changes Summary	Performed	Checked	Date
				2026/10/22
Performed by		Page 2/2 Revision 0		
Checked by				
Date	2026/10/22			