

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : Rolled Steel Single-Phase Product code : 13255347
 Catalog # : 00136AS1RAF56Z-S

Frame : 56 Output : 1 HP (0.75 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 115/208-230 V Rated current : 10.2/5.64-5.10 A L. R. Amperes : 85.7/47.4-42.8 A LRC : 8.4x(Code L) No load current : 4.80/0.000-2.40 A Rated speed : 3500 rpm Slip : 2.78 % Rated torque : 1.48 ft.lb Locked rotor torque : 280 % Breakdown torque : 280 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : N Design :	Locked rotor time : 14s (cold) 8s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Cooling method : IC410 - TEAO Mounting : F-1 Rotation ¹ : Both (CW and CCW) Starting method : Direct On Line
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Output	25%	50%	75%	100%
Efficiency (%)	0.000	55.0	64.0	70.0
Power Factor	0.00	0.82	0.88	0.92

Notes

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).
 (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.

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page		Revision
Checked by		1 /		
Date	24/01/2018			