

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Standard Efficiency Three-Phase

Product code : 13248479

Catalog # : 00136AS3EAF56Z-S

Frame : 56Z  
 Output : 1 HP (0.75 kW)  
 Poles : 2  
 Frequency : 60 Hz  
 Rated voltage : 208-230/460 V  
 Rated current : 3.34-3.03/1.51 A  
 L. R. Amperes : 24.0-21.8/10.9 A  
 LRC : 7.2x(Code K)  
 No load current : 0.000-1.20/0.600 A  
 Rated speed : 3480 rpm  
 Slip : 3.33 %  
 Rated torque : 1.51 ft.lb  
 Locked rotor torque : 240 %  
 Breakdown torque : 290 %  
 Insulation class : F  
 Service factor : 1.25  
 Moment of inertia (J) : 0.0641 sq.ft.lb

Locked rotor time : 43s (cold) 24s (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 : IC418 - TEAO  
 Mounting : F-1  
 Rotation<sup>1</sup> : Both (CW and CCW)  
 Starting method : Direct On Line  
 Approx. weight<sup>3</sup> : 22.8 lb

Output	25%	50%	75%	100%
Efficiency (%)	0.000	66.0	72.0	74.0
Power Factor	0.00	0.68	0.79	0.84

Foundation loads  
 Max. traction : 31 lb  
 Max. compression : 54 lb

	Drive end	Non drive end
Bearing type :	6204 ZZ	6202 ZZ
Sealing :	V'Ring	Without Bearing Seal
Lubrication interval :	0 h	0 h
Lubricant amount :	0 g	0 g
Lubricant type :	Mobil Polyrex EM	

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).
- (3) Approximate weight subject to changes 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.

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 1 / 1		
Checked by				
Date	26/03/2024			
		Revision		