

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Standard Efficiency Three-Phase

Product code : 12675949

Catalog # : .7512OS3E56C-S

Frame : 56HC
 Output : 0.75 HP (0.55 kW)
 Poles : 6
 Frequency : 60 Hz
 Rated voltage : 208-230/460 V
 Rated current : 2.85-2.58/1.29 A
 L. R. Amperes : 15.4-13.9/6.97 A
 LRC : 5.4x(Code J)
 No load current : 1.60-1.85/0.925 A
 Rated speed : 1150 rpm
 Slip : 4.17 %
 Rated torque : 3.42 ft.lb
 Locked rotor torque : 200 %
 Breakdown torque : 270 %
 Insulation class : F
 Service factor : 1.15
 Moment of inertia (J) : 0.1153 sq.ft.lb
 Design : A

Locked rotor time : 36s (cold) 20s (hot)
 Temperature rise : 80 K
 Duty cycle : Cont.(S1)
 Ambient temperature : -20°C to +40°C
 Altitude : 1000 m.a.s.l.
 Cooling method : IC01 - ODP
 Mounting : F-1
 Rotation¹ : Both (CW and CCW)
 Noise level² : 50.0 dB(A)
 Starting method : Direct On Line
 Approx. weight³ : 27.2 lb

Output	25%	50%	75%	100%
Efficiency (%)	68.4	70.0	74.0	75.5
Power Factor	0.27	0.48	0.61	0.71

Foundation loads

Max. traction : 77 lb
 Max. compression : 104 lb

	Drive end	Non drive end
Bearing type	6203 ZZ	6202 ZZ
Sealing	Without Bearing Seal	Without Bearing Seal
Lubrication interval	-	-
Lubricant amount	-	-
Lubricant type	Mobil Polyrex EM	

Notes:

USABLE @208V SF 1.00

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	27/03/2024			
		Revision		