

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Premium Efficiency Three-Phase

Product code : 12809606

Catalog # : 00112OT3E56C-S

Frame : 56HC
 Output : 1 HP (0.75 kW)
 Poles : 6
 Frequency : 60 Hz
 Rated voltage : 230/460 V
 Rated current : 3.36/1.68 A
 L. R. Amperes : 20.8/10.4 A
 LRC : 6.2x(Code K)
 No load current : 2.40/1.20 A
 Rated speed : 1160 rpm
 Slip : 3.33 %
 Rated torque : 4.53 ft.lb
 Locked rotor torque : 240 %
 Breakdown torque : 300 %
 Insulation class : F
 Service factor : 1.15
 Moment of inertia (J) : 0.1951 sq.ft.lb
 Design : A

Locked rotor time : 46s (cold) 26s (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 : 40.7 lb

Output	25%		50%		75%		100%	
Efficiency (%)	75.7	78.8	77.0	78.2	81.5	79.6	82.5	78.3
	75.5		76.1		79.2		79.3	
Power Factor	0.25	0.30	0.45	0.53	0.58	0.67	0.68	0.76
	0.26		0.47		0.61		0.70	

Foundation loads
 Max. traction : 132 lb
 Max. compression : 172 lb

	Drive end	Non drive end
Bearing type	: 6204 ZZ	: 6202 ZZ
Sealing	: Without Bearing Seal	: Without Bearing Seal
Lubrication interval	: -	: -
Lubricant amount	: -	: -
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				
Checked by				
Date	27/03/2024			

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 Revision