

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 NEMA Premium Efficiency Three-Phase

Product code : 15460796

Catalog # : 06012OT3H404T-W40

Frame : 404/5T
 Output : 60 HP (45 kW)
 Poles : 6
 Frequency : 60 Hz
 Rated voltage : 575 V
 Rated current : 56.2 A
 L. R. Amperes : 377 A
 LRC : 6.7x(Code G)
 No load current : 20.0 A
 Rated speed : 1185 rpm
 Slip : 1.25 %
 Rated torque : 266 ft.lb
 Locked rotor torque : 240 %
 Breakdown torque : 250 %
 Insulation class : F
 Service factor : 1.25
 Moment of inertia (J) : 29.4 sq.ft.lb
 Design : B

Locked rotor time : 28s (cold) 16s (hot)
 Temperature rise : 80 K
 Duty cycle : Cont.(S1)
 Ambient temperature : -20°C to +40°C
 Altitude : 1000 m.a.s.l.
 Protection degree : IP23
 Cooling method : IC01 - ODP
 Mounting : F-1
 Rotation¹ : Both (CW and CCW)
 Noise level² : 68.0 dB(A)
 Starting method : Direct On Line
 Approx. weight³ : 932 lb

Output	25%	50%	75%	100%
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Efficiency (%)	91.4	91.7	94.5	94.5
Power Factor	0.48	0.73	0.82	0.85

Foundation loads

Max. traction : 1527 lb
 Max. compression : 2459 lb

	Drive end	Non drive end
Bearing type	6316 C3	6212 Z C3
Sealing	Without Bearing Seal	Without Bearing Seal
Lubrication interval	20000 h	20000 h
Lubricant amount	34 g	13 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	28/03/2024			
		Revision		