

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 NEMA Premium Efficiency Three-Phase

Product code : 14496993

Catalog # : 04036OT3V286TS-W40

Frame : 284/6TS  
 Output : 40 HP (30 kW)  
 Poles : 2  
 Frequency : 60 Hz  
 Rated voltage : 200/400 V  
 Rated current : 108/53.9 A  
 L. R. Amperes : 700/350 A  
 LRC : 6.5x(Code G)  
 No load current : 35.4/17.7 A  
 Rated speed : 3540 rpm  
 Slip : 1.67 %  
 Rated torque : 59.3 ft.lb  
 Locked rotor torque : 190 %  
 Breakdown torque : 240 %  
 Insulation class : F  
 Service factor : 1.25  
 Moment of inertia (J) : 2.02 sq.ft.lb  
 Design : B

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 : IP23  
 Cooling method : IC01 - ODP  
 Mounting : F-1  
 Rotation<sup>1</sup> : Both (CW and CCW)  
 Noise level<sup>2</sup> : 73.0 dB(A)  
 Starting method : Direct On Line  
 Approx. weight<sup>3</sup> : 390 lb

Output	25%	50%	75%	100%
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Efficiency (%)	91.5	91.7	92.4	92.4
Power Factor	0.51	0.76	0.84	0.87

Foundation loads

Max. traction

Max. compression

	Drive end	Non drive end
Bearing type	6311 Z C3	6211 Z C3
Sealing	Without Bearing Seal	Without Bearing Seal
Lubrication interval	20000 h	20000 h
Lubricant amount	18 g	11 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	29/03/2024			
		Revision		