

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 NEMA Premium Efficiency Three-Phase

Product code : 14492695

Catalog # : 02536OT3H256TF2-W40

Frame : 254/6T
Output : 25 HP (18.5 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 575 V
Rated current : 23.0 A
L. R. Amperes : 150 A
LRC : 6.5x(Code G)
No load current : 6.80 A
Rated speed : 3535 rpm
Slip : 1.81 %
Rated torque : 37.1 ft.lb
Locked rotor torque : 200 %
Breakdown torque : 280 %
Insulation class : F
Service factor : 1.25
Moment of inertia (J) : 1.13 sq.ft.lb
Design : B

Locked rotor time : 19s (cold) 11s (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-2
Rotation¹ : Both (CW and CCW)
Starting method : Direct On Line
Approx. weight³ : 249 lb

Output	25%	50%	75%	100%
Efficiency (%)	90.8	91.0	91.7	91.7
Power Factor	0.53	0.77	0.85	0.88

Foundation loads
Max. traction
Max. compression

	Drive end	Non drive end
Bearing type :	6309 Z C3	6209 Z C3
Sealing :	Without Bearing Seal	Without Bearing Seal
Lubrication interval :	20000 h	20000 h
Lubricant amount :	13 g	9 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		