

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 NEMA Premium Efficiency Three-Phase

Product code : 14494123

Catalog # : 01012OT3E256T-W40

Frame : 254/6T
Output : 10 HP (7.5 kW)
Poles : 6
Frequency : 60 Hz
Rated voltage : 230/460 V
Rated current : 26.3/13.2 A
L. R. Amperes : 174/86.9 A
LRC : 6.6x(Code H)
No load current : 13.8/6.90 A
Rated speed : 1176 rpm
Slip : 2.00 %
Rated torque : 44.5 ft.lb
Locked rotor torque : 220 %
Breakdown torque : 260 %
Insulation class : F
Service factor : 1.25
Moment of inertia (J) : 3.53 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 : 59.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 229 lb

Output	25%	50%	75%	100%
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Efficiency (%)	0.000	90.8	91.4	91.7
Power Factor	0.00	0.58	0.71	0.78

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:

USABLE @208V 28.3A SF 1.15 SFA 32.6A

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		