

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 15197500

Catalog # : 01518ET3EPM254/6Y-W2

Frame : 256TZ
 Output : 15 HP (11 kW)
 Poles : 4
 Frequency : 60 Hz
 Rated voltage : 208-230/460 V
 Rated current : 39.8-36.0/18.0 A
 L. R. Amperes : 255-230/115 A
 LRC : 6.4x(Code G)
 No load current : 11.7-14.0/7.00 A
 Rated speed : 1768 rpm
 Slip : 1.78 %
 Rated torque : 44.6 ft.lb
 Locked rotor torque : 240 %
 Breakdown torque : 260 %
 Insulation class : F
 Service factor : 1.25
 Moment of inertia (J) : 2.62 sq.ft.lb
 Design : B

Locked rotor time : 30s (cold) 17s (hot)
 Temperature rise : 80 K
 Duty cycle : Cont.(S1)
 Ambient temperature : -20°C to +40°C
 Altitude : 1000 m.a.s.l.
 Protection degree : IP55
 Cooling method : IC418 - TEAO
 Mounting : F-1
 Rotation¹ : Both (CW and CCW)
 Starting method : Direct On Line
 Approx. weight³ : 298 lb

Output	25%		50%		75%		100%	
Efficiency (%)	0.000	91.0	91.0	91.7	90.2	92.4	90.2	0.000
Power Factor	0.00	0.00	0.68	0.74	0.78	0.82	0.83	0.86

Foundation loads
 Max. traction : 370 lb
 Max. compression : 668 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6309 C3	6209 C3
Sealing	:	V'Ring	V'Ring
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	28/03/2024			
		Revision		