

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 12447062

Catalog # : 01536ET3H254T-W22

Frame : 254/6T  
Output : 15 HP (11 kW)  
Poles : 2  
Frequency : 60 Hz  
Rated voltage : 575 V  
Rated current : 13.8 A  
L. R. Amperes : 92.4 A  
LRC : 6.7x(Code G)  
No load current : 4.24 A  
Rated speed : 3532 rpm  
Slip : 1.89 %  
Rated torque : 22.3 ft.lb  
Locked rotor torque : 220 %  
Breakdown torque : 270 %  
Insulation class : F  
Service factor : 1.25  
Moment of inertia (J) : 1.26 sq.ft.lb  
Design : B

Locked rotor time : 36s (cold) 20s (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 : IC411 - TEFC  
Mounting : F-1  
Rotation<sup>1</sup> : Both (CW and CCW)  
Noise level<sup>2</sup> : 72.0 dB(A)  
Starting method : Direct On Line  
Approx. weight<sup>3</sup> : 259 lb

Output 25% 50% 75% 100%

Efficiency (%) 0.000 89.5 91.0 91.0  
Power Factor 0.00 0.77 0.85 0.88

Foundation loads

Max. traction : 159 lb  
Max. compression : 418 lb

Losses at normative operating points (speed;torque), in percentage of rated output power

P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	P4 (0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)
9.1	6.6	6.2	5.1	2.8	1.9	1.1

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6309 C3	6209 C3
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	19000 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				
Checked by				
Date	28/03/2024			
			Page	Revision
			1 / 1	