

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer	:						
Product line	: W22 NEMA Premium Efficiency Three-Phase	Product code :	11623898				
		Catalog # :	40018ET3H449T-W22				
Frame	: L447/9T	Locked rotor time	: 37s (cold) 21s (hot)				
Output	: 400 HP (300 kW)	Temperature rise	: 80 K				
Poles	: 4	Duty cycle	: Cont.(S1)				
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C				
Rated voltage	: 575 V	Altitude	: 1000 m.a.s.l.				
Rated current	: 356 A	Protection degree	: IP55				
L. R. Amperes	: 2314 A	Cooling method	: IC411 - TEFC				
LRC	: 6.5x(Code G)	Mounting	: F-1				
No load current	: 100 A	Rotation <sup>1</sup>	: Both (CW and CCW)				
Rated speed	: 1785 rpm	Noise level <sup>2</sup>	: 79.0 dB(A)				
Slip	: 0.83 %	Starting method	: Direct On Line				
Rated torque	: 1180 ft.lb	Approx. weight <sup>3</sup>	: 3199 lb				
Locked rotor torque	: 250 %						
Breakdown torque	: 260 %						
Insulation class	: F						
Service factor	: 1.15						
Moment of inertia (J)	: 136 sq.ft.lb						
Design	: B						
Output	25%	50%	75%	100%			
Efficiency (%)	94.9	95.4	95.8	96.2			
Power Factor	0.55	0.80	0.85	0.88			
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)			
4.5	3.3	2.7	2.5	1.5			
Drive end							
Bearing type	: 6322 C3	Non drive end					
Sealing	: WSeal	WSeal					
Lubrication interval	: 6000 h	8000 h					
Lubricant amount	: 60 g	45 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.							
Rev.	Changes Summary			Performed			
				Checked			
Performed by				Page			
Checked by				Revision			
Date	28/03/2024			1 / 1			