

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line : W22 NEMA Premium Efficiency Three-Phase	Product code : 13234209 Catalog # : 20012ET3H449T-W22					
Frame : 447/9T Output : 200 HP (150 kW) Poles : 6 Frequency : 60 Hz Rated voltage : 575 V Rated current : 190 A L. R. Amperes : 1251 A LRC : 6.6x(Code G) No load current : 72.0 A Rated speed : 1187 rpm Slip : 1.08 % Rated torque : 885 ft.lb Locked rotor torque : 229 % Breakdown torque : 240 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 145 sq.ft.lb Design : B	Locked rotor time : 43s (cold) 24s (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 ¹ : Both (CW and CCW) Noise level ² : 70.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 2771 lb					
Output 50% 75% 100% Efficiency (%) 95.0 95.4 95.8 Power Factor 0.68 0.79 0.83	Foundation loads Max. traction : 4275 lb Max. compression : 7047 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)
4.7	4.0	3.7	2.3	1.7	1.1	0.8
		<u>Drive end</u>	<u>Non drive end</u>			
Bearing type	:	6322 C3	6319 C3			
Sealing	:	WSeal	WSeal			
Lubrication interval	:	11000 h	13000 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.				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					Page	Revision
Date	28/03/2024				1 / 1	