## **DATA SHEET**

## Three Phase Induction Motor - Squirrel Cage



Customer	:							
Product line		: W22 NEMA Premium Efficiency Thre Phase				Product code :	12447064  02009ET3H324T-W22  : 48s (cold) 27s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 56.0 dB(A) : Direct On Line : 507 lb	
	Pna					Catalog # :		
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor tord Breakdown torqu Insulation class		: 324/6T : 20 HP (15 kW) : 8 : 60 Hz : 575 V : 22.6 A : 113 A : 5.0x(Code G) : 12.8 A : 880 rpm : 2.22 % : 119 ft.lb : 190 % : 220 % : F			Catalog #:  Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³			
Service factor Moment of inertia Design	a (J)	: 1.25 : 9.37 : B	sq.ft.lb					
Output	25%	50%	75%	100%	Foundation loads			
Efficiency (%)	89.2	89.5	91.0	91.0	Max. traction		: 754 lb	
Power Factor	0.31	0.54	0.66	0.73	Max. co	mpression	: 1261 lb	
Losses at normat	ive operat	tina points	(speed:tora	ue). in perc	entage of r	ated output power		
P1 (0,9;1,0)					0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25
9.5	8.0		7.7		5.2	3.7	2.8	2.0
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type		: : : :	<u>Drive end</u> 6312 C3 V'Ring 20000 h 21 g			Non drive end 6212 C3 V'Ring 20000 h 13 g	<u>1</u>	
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.		Ch	anges Sum	mary	1	Performed	Checked	Date
Performed by Checked by							Page	Revision

1/1

28/03/2024

Date