

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line : W22 NEMA Premium Efficiency Three-Phase		Product code : 13503286			
		Catalog # : 12509ET3GKD447T-W22			
Frame	: 445/7T		Locked rotor time	: 30s (cold) 17s (hot)	
Output	: 125 HP		Temperature rise	: 80 K	
Poles	: 8		Duty cycle	: Cont.(S1)	
Frequency	: 60 Hz		Ambient temperature	: -20°C to +40°C	
Rated voltage	: 460 V		Altitude	: 1000 m.a.s.l.	
Rated current	: 155 A		Protection degree	: IP55	
L. R. Amperes	: 992 A		Cooling method	: IC411 - TEFC	
LRC	: 6.4x(Code H)		Mounting	: F-1	
No load current	: 75.0 A		Rotation <sup>1</sup>	: Both (CW and CCW)	
Rated speed	: 890 rpm		Noise level <sup>2</sup>	: 63.0 dB(A)	
Slip	: 1.11 %		Starting method	: Direct On Line	
Rated torque	: 738 ft.lb		Approx. weight <sup>3</sup>	: 2099 lb	
Locked rotor torque	: 200 %				
Breakdown torque	: 229 %				
Insulation class	: F				
Service factor	: 1.15				
Moment of inertia (J)	: 104 sq.ft.lb				
Design	: A				
Output	25%	50%	75%	100%	
Efficiency (%)	0.000	94.5	94.5	94.5	
Power Factor	0.00	0.62	0.72	0.77	
			Foundation loads		
			Max. traction	: 3472 lb	
			Max. compression	: 5572 lb	
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	NU-319 C3	6316 C3		
Sealing	:	WSeal	WSeal		
Lubrication interval	:	15000 h	20000 h		
Lubricant amount	:	45 g	34 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
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Checked by				Page	Revision
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