

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line : W22 NEMA Premium Efficiency Three-Phase		Product code : 13500517			
		Catalog # : 10009ET3GKD445T-W22			
Frame	: 444/5T		Locked rotor time	: 27s (cold) 15s (hot)	
Output	: 100 HP (75 kW)		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	: 130 A		Protection degree	: IP55	
L. R. Amperes	: 793 A		Cooling method	: IC411 - TEFC	
LRC	: 6.1x(Code H)		Mounting	: F-1	
No load current	: 60.0 A		Rotation ¹	: Both (CW and CCW)	
Rated speed	: 890 rpm		Noise level ²	: 63.0 dB(A)	
Slip	: 1.11 %		Starting method	: Direct On Line	
Rated torque	: 590 ft.lb		Approx. weight ³	: 1784 lb	
Locked rotor torque	: 210 %				
Breakdown torque	: 220 %				
Insulation class	: F				
Service factor	: 1.25				
Moment of inertia (J)	: 87.3 sq.ft.lb				
Design	: A				
Output	25%	50%	75%	100%	
Efficiency (%)	0.000	93.6	94.1	94.1	
Power Factor	0.00	0.62	0.72	0.77	
Foundation loads					
Max. traction : 2568 lb					
Max. compression : 4352 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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