DATA SHEET

Three Phase Induction Motor - Squirrel Cage



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Customer	:							
Product line	: W22 T	ru-Metric	E3 Three-Phase		Product code : Catalog # :	-	12541472 01809ET3Y225S/M-W22	
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque Breakdown torque Insulation class Service factor Moment of inertia (J) Design		: 225S/N : 25 HP (: 8 : 50 Hz : 380 V : 38.1 A : 248 A : 6.5 : 15.5 A : 732 rpr : 2.40 % : 179 ft.ll : 170 % : 220 % : F : 1.25 : 26.3 sq : N	(18.5 kW) n	Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation ¹ Noise level ² Starting method Approx. weight ³		: 50s (col : 80 K : S1 : -20°C to : 1000 m : IP55 : IC411 - : B3L(E) : Both (C	: S1 : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : B3L(E) : Both (CW and CCW) : 56.0 dB(A) : Direct On Line	
Output	50%	75%	100%	Foundation	on loads			
Efficiency (%)	90.5 90.5	91.0 91		Max. trac		: 1125 lb		
• • •	90.5	91.0	91.0					
Power Factor	0.67 0.58 0.60	0.77 0.7 0.72	71 0.81 0.77 0.79	Max. con	npression	: 1915 lb		
Losses at normativ	e operating p	oints (sp	eed;torque), in perce	ntage of ra	ated output powe	r		
	P1 (0,9);1,0)	9.3		9.3	9.3		
	P2 (0,5	5;1,0)	7.2	7	7.2	7.2		
	P3 (0,25;1,0)		6.6	6	6.6	6.6		
Losses (%)	P4 (0,9	;0,5)	5.1	5	5.1	5.1		
	P5 (0,5	5;0,5)	3.3	3	3.3	3.3		
	P6 (0,5;0,25)		2.4	2	2.4 2			
	P7 (0,25		1.6		1.6	1.6		
	(-,	,-,,	Drive end		Non drive en			
Bearing type			6314 C3		6314 C3			
Sealing			WSeal		WSeal			
Lubrication interva	. :	: 20000 h		20000 h				
Lubricant amount			27 g 27 g					
Lubricant type	:			bil Polyrex				
Notes:	ces and cano	el the pre	vious one, which	These a	re average value	s based on tests	with sinusoidal	
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.					
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Date	26/03/2024			1 / 1			
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