

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :				
Product line : W21 Explosion Proof NEMA Premium Efficiency Three-Phase		Product code : 14653232		
		Catalog # : 20012XT3H447T		
Frame : 447T	Output : 200 HP (150 kW)	Poles : 6	Frequency : 60 Hz	Rated voltage : 575 V
Rated current : 199 A	L. R. Amperes : 1554 A	LRC : 7.8x(Code J)	No load current : 100 A	Rated speed : 1190 rpm
Slip : 0.83 %	Rated torque : 883 ft.lb	Locked rotor torque : 270 %	Breakdown torque : 280 %	Insulation class : F
Service factor : 1.15	Moment of inertia (J) : 134 sq.ft.lb	Design : B	Locked rotor time : 25s (cold) 14s (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 : 73.0 dB(A)
			Starting method : Direct On Line	Approx. weight ³ : 200 lb
Output	25%	50%	75%	100%
Efficiency (%)	94.0	94.5	95.4	95.8
Power Factor	0.35	0.60	0.73	0.79
Foundation loads				Max. traction : 6488 lb
				Max. compression : 6688 lb
		<u>Drive end</u>	<u>Non drive end</u>	
Bearing type :	6319 C3		6316 C3	
Sealing :	Viton Oil Seal		Lip Seal	
Lubrication interval :	11094 h		12823 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.	
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Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	155 °C

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