

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line : W21 Explosion Proof NEMA Premium Efficiency Three-Phase		Product code : 14407931			
		Catalog # : 01012XT3H256T			
Frame	: 256T	Locked rotor time	: 63s (cold) 35s (hot)		
Output	: 10 HP (7.5 kW)	Temperature rise	: 80 K		
Poles	: 6	Duty cycle	: Cont.(S1)		
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C		
Rated voltage	: 575 V	Altitude	: 1000 m.a.s.l.		
Rated current	: 10.6 A	Protection degree	: IP55		
L. R. Amperes	: 76.6 A	Cooling method	: IC411 - TEFC		
LRC	: 7.2x(Code J)	Mounting	: F-1		
No load current	: 5.28 A	Rotation ¹	: Both (CW and CCW)		
Rated speed	: 1175 rpm	Noise level ²	: 59.0 dB(A)		
Slip	: 2.08 %	Starting method	: Direct On Line		
Rated torque	: 44.7 ft.lb	Approx. weight ³	: 369 lb		
Locked rotor torque	: 270 %				
Breakdown torque	: 310 %				
Insulation class	: F				
Service factor	: 1.15				
Moment of inertia (J)	: 4.15 sq.ft.lb				
Design	: B				
Output	25%	50%	75%	100%	
Efficiency (%)	88.6	89.5	90.2	91.0	
Power Factor	0.35	0.60	0.70	0.78	
Foundation loads					
Max. traction		: 481 lb			
Max. compression		: 848 lb			
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6309 C3	6209 C3		
Sealing	:	Oil Seal	Lip Seal		
Lubrication interval	:	20000 h	20000 h		
Lubricant amount	:	13 g	9 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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