

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W21 Explosion Proof NEMA Premium Efficiency Three-Phase
 Product code : 14406886
 Catalog # : 02036XT3E256T

Frame	: 256T	Locked rotor time	: 46s (cold) 26s (hot)
Output	: 20 HP (15 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 46.4/23.2 A	Protection degree	: IP55
L. R. Amperes	: 288/144 A	Cooling method	: IC411 - TEFC
LRC	: 6.2x(Code G)	Mounting	: F-1
No load current	: 13.4/6.70 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3530 rpm	Noise level ²	: 75.0 dB(A)
Slip	: 1.94 %	Starting method	: Direct On Line
Rated torque	: 29.8 ft.lb	Approx. weight ³	: 364 lb
Locked rotor torque	: 200 %		
Breakdown torque	: 250 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 1.45 sq.ft.lb		
Design	: B		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	90.2	91.0	91.0	Max. traction	: 215 lb
Power Factor	0.79	0.86	0.89	Max. compression	: 578 lb

	Drive end	Non drive end
Bearing type	: 6309 C3	6209 C3
Sealing	: Oil Seal	Lip Seal
Lubrication interval	: 15797 h	18447 h
Lubricant amount	: 13 g	9 g
Lubricant type	: Mobil Polyrex EM	

Notes
 USABLE @208V 50.6A SF 1.10 SFA 55.6A

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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