

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line	: Rolled Steel NEMA Premium Efficiency Three-Phase	Product code :	12789105		
		Catalog # :	02036ET3H256T-S		
Frame	: 254/6T	Locked rotor time	: 21s (cold) 12s (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	: 575 V	Altitude	: 1000 m.a.s.l.		
Rated current	: 18.2 A	Protection degree	: IP55		
L. R. Amperes	: 120 A	Cooling method	: IC411 - TEFC		
LRC	: 6.6x(Code G)	Mounting	: F-1		
No load current	: 5.50 A	Rotation ¹	: Both (CW and CCW)		
Rated speed	: 3515 rpm	Noise level ²	: 75.0 dB(A)		
Slip	: 2.36 %	Starting method	: Direct On Line		
Rated torque	: 29.9 ft.lb	Approx. weight ³	: 216 lb		
Locked rotor torque	: 200 %				
Breakdown torque	: 290 %				
Insulation class	: F				
Service factor	: 1.15				
Moment of inertia (J)	: 1.22 sq.ft.lb				
Design	: B				
Output	50%	75%	100%		
Efficiency (%)	90.0	91.0	91.0		
Power Factor	0.81	0.88	0.91		
Foundation loads					
		Max. traction	: 307 lb		
		Max. compression	: 523 lb		
Drive end Bearing type : 6309 Z C3 Sealing : V'Ring Lubrication interval : 15797 h Lubricant amount : 13 g Lubricant type : Mobil Polyrex EM					
Non drive end 6208 Z C3 Without Bearing Seal 20000 h 8 g					
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
Performed by					
Checked by				Page	Revision
Date	27/03/2024			1 / 1	