

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line	: W22 High Efficiency Three-Phase		Product code :	12822513
Frame : 256TC Output : 20 HP (15 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 230/460 V Rated current : 47.4/23.7 A L. R. Amperes : 285/142 A LRC : 6.0x(Code G) No load current : 11.4/5.70 A Rated speed : 3515 rpm Slip : 2.36 % Rated torque : 29.9 ft.lb Locked rotor torque : 200 % Breakdown torque : 250 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 1.54 sq.ft.lb Design : B		Locked rotor time : 18s (cold) 10s (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 : W-6 Rotation ¹ : Both (CW and CCW) Noise level ² : 72.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 278 lb		
Output	25%	50%	75%	100%
Efficiency (%)	90.0	88.7	90.2	89.5
	88.8	88.1	90.2	89.5
Power Factor	0.56	0.57	0.78	0.81
	0.54	0.52	0.78	0.76
Drive end Bearing type : 6309 C3 Sealing : V'Ring Lubrication interval : 9000 h Lubricant amount : 13 g Lubricant type : Mobil Polyrex EM				
Non drive end 6209 C3 V'Ring 11000 h 9 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.	
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