

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line : W22 Three-Phase		Product code : 12683745 Catalog # : 00509ES3EOW256T-W22			
Frame : 254/6T Output : 5 HP (3.7 kW) Poles : 8 Frequency : 60 Hz Rated voltage : 208-230/460 V Rated current : 16.1-14.5/7.27 A L. R. Amperes : 101-91.6/45.8 A LRC : 6.3x(Code J) No load current : 6.63-6.00/3.00 A Rated speed : 825 rpm Slip : 8.33 % Rated torque : 31.4 ft.lb Locked rotor torque : 300 % Breakdown torque : 0 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 3.14 sq.ft.lb Design : D		Locked rotor time : 36s (cold) 20s (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-2 Rotation ¹ : Both (CW and CCW) Noise level ² : 54.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 262 lb			
Output	50%	75%	100%	Foundation loads Max. traction : -131 lb Max. compression : 131 lb	
Efficiency (%)	75.5	77.0	77.0		
Power Factor	0.64	0.76	0.83		
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6309 C3	6209 C3		
Sealing	:	V'Ring	V'Ring		
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.		
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by					
Date	19/01/2018			Page 1 / 1	Revision