

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :										
Product line : W21 NEMA Premium Efficiency Three-Phase		Product code : 10263594								
Frame : 215Y Output : 10 HP (7.5 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 208-230/460 V Rated current : 25.5-23.4/11.7 A L. R. Amperes : 227-208/104 A LRC : 8.9x(Code K) No load current : 6.90-8.00/4.00 A Rated speed : 3530 rpm Slip : 1.94 % Rated torque : 14.9 ft.lb Locked rotor torque : 280 % Breakdown torque : 350 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.7541 sq.ft.lb Design : B	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 : IC418 - TEAO Mounting : F-1 Rotation ¹ : Both (CW and CCW) Noise level ² : 72.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 175 lb									
Output	25%	50%	75%	100%	Foundation loads					
Efficiency (%)	89.1	88.2	89.5	88.5	90.0	89.5	90.2	89.5	Max. traction	: 247 lb
	88.2	88.2	88.5	88.5	90.2	90.2	90.2	90.2		
Power Factor	0.49	0.53	0.75	0.80	0.84	0.88	0.89	0.91	Max. compression	: 422 lb
	0.51	0.49	0.77	0.75	0.86	0.84	0.90	0.89		
Bearing type	:	<u>Drive end</u>			<u>Non drive end</u>					
Sealing	:	6308 ZZ			6207 ZZ					
Lubrication interval	:	V'Ring			V'Ring					
Lubricant amount	:	-			-					
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							Page	Revision		
Date	28/03/2024						1 / 1			