DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Product line : Centrifugal Pump Single-Phase Start Capacitor Product code : 10486811 Frame : G56HJ Locked rotor time : 10s (cold) 6s (hot) Output : 3 HP (2.2 kW) Temperature rise : 105 K Poles : 2 Duty cycle : Cont.(S1) Frequency : 60 Hz Ambient temperature : -20°C to +40°C Rated voltage : 230 V Altitude : 1000 m.a.s.l. Rated current : 12.0 A Protection degree : IP55 L. R. Amperes : 93.6 A Cooling method : IC411 - TEFC LRC : 7.8x(Code J) Mounting : F-1 No load current : 2.30 A Rotation¹ : CCW Rated speed : 3490 rpm Starting method : Direct On Line Slip : 3.30 % Starting method : Direct On Line Approx. weight³ : 51.4 lb Locked rotor torque : 250 % Max. traction Max. traction Insulation class : F Service factor Max. traction : 98 lb	Customer		:				
Output Poles : 3 HP (2.2 kW) Temperature rise : 105 K Poles : 2 Duty cycle : Cont.(S1) Frequency : 60 Hz Ambient temperature : -20°C to +40°C Rated voltage : 230 V Altitude : 1000 m.a.s.l. Rated current : 12.0 A Protection degree : IP55 L. R. Amperes : 93.6 A Cooling method : IC411 - TEFC LRC : 7.8x(Code J) Mounting : F-1 No load current : 2.30 A Rotation¹ : CCW Rated speed : 3490 rpm Starting method : Direct On Line Slip : 3.06 % Approx. weight³ : 51.4 lb Rated torque : 4.51 ft.lb Approx. weight³ : 51.4 lb Locked rotor torque : 280 % Breakdown torque : 280 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.0949 sq.ft.lb Foundation loads Max. traction : 98 lb Power Factor 0.75 0.96 0.97 </td <td>Product line</td> <td></td> <td>•</td> <td>ump Single</td> <td>e-Phase Star</td> <td>t Product code :</td> <td>10486811</td>	Product line		•	ump Single	e-Phase Star	t Product code :	10486811
Efficiency (%) 75.3 77.0 82.5 84.0 Max. traction : 98 lb	Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque Breakdown torque Insulation class Service factor		: 3 HP (2.2 kW) : 2 : 60 Hz : 230 V : 12.0 A : 93.6 A : 7.8x(Code J) : 2.30 A : 3490 rpm : 3.06 % : 4.51 ft.lb : 250 % : 280 % : F : 1.15			Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Starting method	: 105 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : CCW : Direct On Line
Drive end Drive end Non drive end	<u> </u>						
Bearing type : 6204 2RS 6203 2RS Sealing : V'Ring V'Ring Lubrication interval : Lubricant amount : Lubricant type : Mobil Polyrex EM							
Nata a.	Sealing Lubrication intervible Lubricant amount	earing type : 6204 ealing : V'R ubrication interval : - ubricant amount : - ubricant type :		4 2RS Ring - -	6203 2RS V'Ring - -		

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	