

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : Processtec																						
Customer reference : Dekker																						
Product line : ODP NEMA Premium Efficiency Three-Phase		Product code : 11083028																				
		Catalog # : 01518OT3E254TC																				
Frame : 254TC Output : 15 HP (11 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 208-230/460 V Rated current : 41.1-37.2/18.6 A L. R. Amperes : 276-249/125 A LRC : 6.7x(Code H) No load current : 15.5-18.0/9.00 A Rated speed : 1775 rpm Slip : 1.39 % Rated torque : 59.4 Nm Locked rotor torque : 290 % Breakdown torque : 300 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.0878 kgm ² Design : B		Locked rotor time : 25s (cold) 14s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP23 Cooling method : IC01 - ODP Mounting : F-1 Rotation ¹ : Both (CW and CCW) Noise level ² : 59.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 111 kg																				
Output	25%	50%	75%	100%																		
Efficiency (%)	91.0	91.7	92.4	93.0																		
Power Factor	0.36	0.60	0.72	0.80																		
Foundation loads		Max. traction : 3334 N Max. compression : 4418 N																				
		<table border="0"> <tr> <td></td> <td><u>Drive end</u></td> <td><u>Non drive end</u></td> </tr> <tr> <td>Bearing type :</td> <td>6309 Z C3</td> <td>6209 Z C3</td> </tr> <tr> <td>Sealing :</td> <td>Without Bearing Seal</td> <td>Without Bearing Seal</td> </tr> <tr> <td>Lubrication interval :</td> <td>20000 h</td> <td>20000 h</td> </tr> <tr> <td>Lubricant amount :</td> <td>13 g</td> <td>9 g</td> </tr> <tr> <td>Lubricant type :</td> <td colspan="2">Mobil Polyrex EM</td> </tr> </table>				<u>Drive end</u>	<u>Non drive end</u>	Bearing type :	6309 Z C3	6209 Z C3	Sealing :	Without Bearing Seal	Without Bearing Seal	Lubrication interval :	20000 h	20000 h	Lubricant amount :	13 g	9 g	Lubricant type :	Mobil Polyrex EM	
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Notes Pump Motor																						
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																		
Performed by																						
Checked by			Page	Revision																		
Date	13/12/2018		1 / 1																			