

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer :																													
Product line		: Rolled Steel Compressor Duty Single-Phase		Product code : 13488375																									
				Catalog # : 00136OS1BCD56-S																									
Frame : 56 Output : 1 HP (0.75 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 115/208-230 V Rated current : 13.2/6.50-6.60 A L. R. Amperes : 76.6/37.7-38.3 A LRC : 5.8x(Code K) No load current : 10.0/4.31-5.00 A Rated speed : 3485 rpm Slip : 3.19 % Rated torque : 1.49 ft.lb Locked rotor torque : 165 % Breakdown torque : 250 % Insulation class : F Service factor : 1.00 Moment of inertia (J) : 0.0394 sq.ft.lb Design : N			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. Cooling method : IC01 - ODP Mounting : F-1 Rotation <sup>1</sup> : Both (CW and CCW) Noise level <sup>2</sup> : 58.0 dB(A) Starting method : Direct On Line Approx. weight <sup>3</sup> : 25.5 lb																										
Output	25%	50%	75%	100%	Foundation loads																								
Efficiency (%)	56.8	58.3	65.2	66.5	Max. traction : 23 lb																								
Power Factor	0.29	0.54	0.65	0.74	Max. compression : 49 lb																								
<table border="0"> <tr> <td></td> <td></td> <td><u>Drive end</u></td> <td><u>Non drive end</u></td> </tr> <tr> <td>Bearing type</td> <td>:</td> <td>6204 ZZ</td> <td>6202 ZZ</td> </tr> <tr> <td>Sealing</td> <td>:</td> <td>Without Bearing Seal</td> <td>Without Bearing Seal</td> </tr> <tr> <td>Lubrication interval</td> <td>:</td> <td>-</td> <td>-</td> </tr> <tr> <td>Lubricant amount</td> <td>:</td> <td>-</td> <td>-</td> </tr> <tr> <td>Lubricant type</td> <td>:</td> <td colspan="2">Mobil Polyrex EM</td> </tr> </table>								<u>Drive end</u>	<u>Non drive end</u>	Bearing type	:	6204 ZZ	6202 ZZ	Sealing	:	Without Bearing Seal	Without Bearing Seal	Lubrication interval	:	-	-	Lubricant amount	:	-	-	Lubricant type	:	Mobil Polyrex EM	
		<u>Drive end</u>	<u>Non drive end</u>																										
Bearing type	:	6204 ZZ	6202 ZZ																										
Sealing	:	Without Bearing Seal	Without Bearing Seal																										
Lubrication interval	:	-	-																										
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																								
Performed by																													
Checked by				Page	Revision																								
Date	24/01/2018			1 / 1																									