

# DATA SHEET



## Single Phase Induction Motor - Squirrel Cage

Customer :				
Product line	: Rolled Steel Jet Pump - C type Single-Phase			
Product code :	14419289			
Catalog # :	.3336OS1BJPW56C-S			
Frame : W56C Output : 0.33 HP (0.25 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 115/208-230 V Rated current : 5.00/2.76-2.50 A L. R. Amperes : 37.0/20.4-18.5 A LRC : 7.4x(Code P) No load current : 3.40/1.47-1.70 A Rated speed : 3500 rpm Slip : 2.78 % Rated torque : 0.495 ft.lb Locked rotor torque : 300 % Breakdown torque : 300 % Insulation class : F Service factor : 1.75 Moment of inertia (J) : 0.0190 sq.ft.lb Design : N	Locked rotor time : 14s (cold) 8s (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> : CCW Noise level <sup>2</sup> : 56.0 dB(A) Starting method : Direct On Line Approx. weight <sup>3</sup> : 16.1 lb			
Output	25%    50%    75%    100%			
Efficiency (%)	46.6    49.0    56.0    59.0			
Power Factor	0.33    0.57    0.66    0.74			
Foundation loads	Max. traction : 6 lb Max. compression : 22 lb			
Bearing type	: <u>Drive end</u> 6203 2RS <u>Non drive end</u> 6202 2RS			
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	Date
Performed by				
Checked by			Page	Revision
Date	27/03/2024		1 / 1	