

# DATA SHEET



## Single Phase Induction Motor - Squirrel Cage

Customer :																			
Product line : Farm Duty Single-Phase	Product code : 10371507 Catalog # : 00318ES1DFD184T																		
Frame : W182/4T Output : 3 HP (2.2 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 230 V Rated current : 14.5 A L. R. Amperes : 87.0 A LRC : 6.0x(Code H) No load current : 6.00 A Rated speed : 1740 rpm Slip : 3.33 % Rated torque : 9.05 ft.lb Locked rotor torque : 260 % Breakdown torque : 220 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.2373 sq.ft.lb	Locked rotor time : 10s (cold) 6s (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 : IC411 - TEFC Mounting : F-1 Rotation <sup>1</sup> : Both (CW and CCW) Noise level <sup>2</sup> : 54.0 dB(A) Starting method : Direct On Line Approx. weight <sup>3</sup> : 87.9 lb																		
<table border="1"> <tr> <td>Output</td> <td>25%</td> <td>50%</td> <td>75%</td> <td>100%</td> </tr> <tr> <td>Efficiency (%)</td> <td>79.3</td> <td>80.0</td> <td>80.5</td> <td>81.0</td> </tr> <tr> <td>Power Factor</td> <td>0.45</td> <td>0.73</td> <td>0.81</td> <td>0.86</td> </tr> </table>	Output	25%	50%	75%	100%	Efficiency (%)	79.3	80.0	80.5	81.0	Power Factor	0.45	0.73	0.81	0.86	Foundation loads Max. traction : 83 lb Max. compression : 171 lb			
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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	26/03/2024		1 / 1																