## DATA SHEET Three Phase Induction Motor - Squirrel Cage : Dealers Industrial Equipment 800-469-3110 Customer : 04036OT3H286JP-W40 Customer reference Product line : W40 JP Pump NEMA Premium Product code : 14490081 Efficiency Three-Phase Catalog #: 04036OT3H286JP-W40 Frame : 284/6JP Locked rotor time : 14s (cold) 8s (hot) Output : 40 HP (30 kW) Temperature rise : 80 K Poles : 2 Duty cycle : Cont.(S1) : -20°C to +40°C Frequency : 60 Hz Ambient temperature Rated voltage : 575 V : 1000 m.a.s.l. Altitude Rated current : 37.4 A Protection degree : IP23 L. R. Amperes : 243 A Cooling method : IC01 - ODP LRC : 6.5x(Code G) Mounting : F-1 No load current : 11.9 A Rotation<sup>1</sup> : Both (CW and CCW) Rated speed : 3540 rpm Noise level<sup>2</sup> : 73.0 dB(A) Starting method Slip : 1.67 % : Direct On Line Rated torque : 58.5 ft.lb Approx. weight<sup>3</sup> : 365 lb Locked rotor torque : 190 % Breakdown torque : 260 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 2.02 sq.ft.lb Design : B 25% 50% 75% 100% Output Foundation loads Efficiency (%) 91.5 91.7 92.4 92.4 Max. traction Power Factor 0.51 0.76 0.84 0.87 Max. compression Non drive end Drive end Bearing type 6311 Z C3 6211 Z C3 Sealing Without Bearing Seal Without Bearing Seal Lubrication interval 20000 h 20000 h Lubricant amount 18 g 11 g Lubricant type Mobil Polyrex EM Notes downloaded from http://dealerselectric.com This revision replaces and cancel the previous one, which These are average values based on tests with sinusoidal must be eliminated. power supply, subject to the tolerances stipulated in NEMA (1) Looking the motor from the shaft end. MG-1. (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. Rev. **Changes Summary** Performed Checked Date Performed by Checked by Page Revision 14/04/2019 1/2 Date

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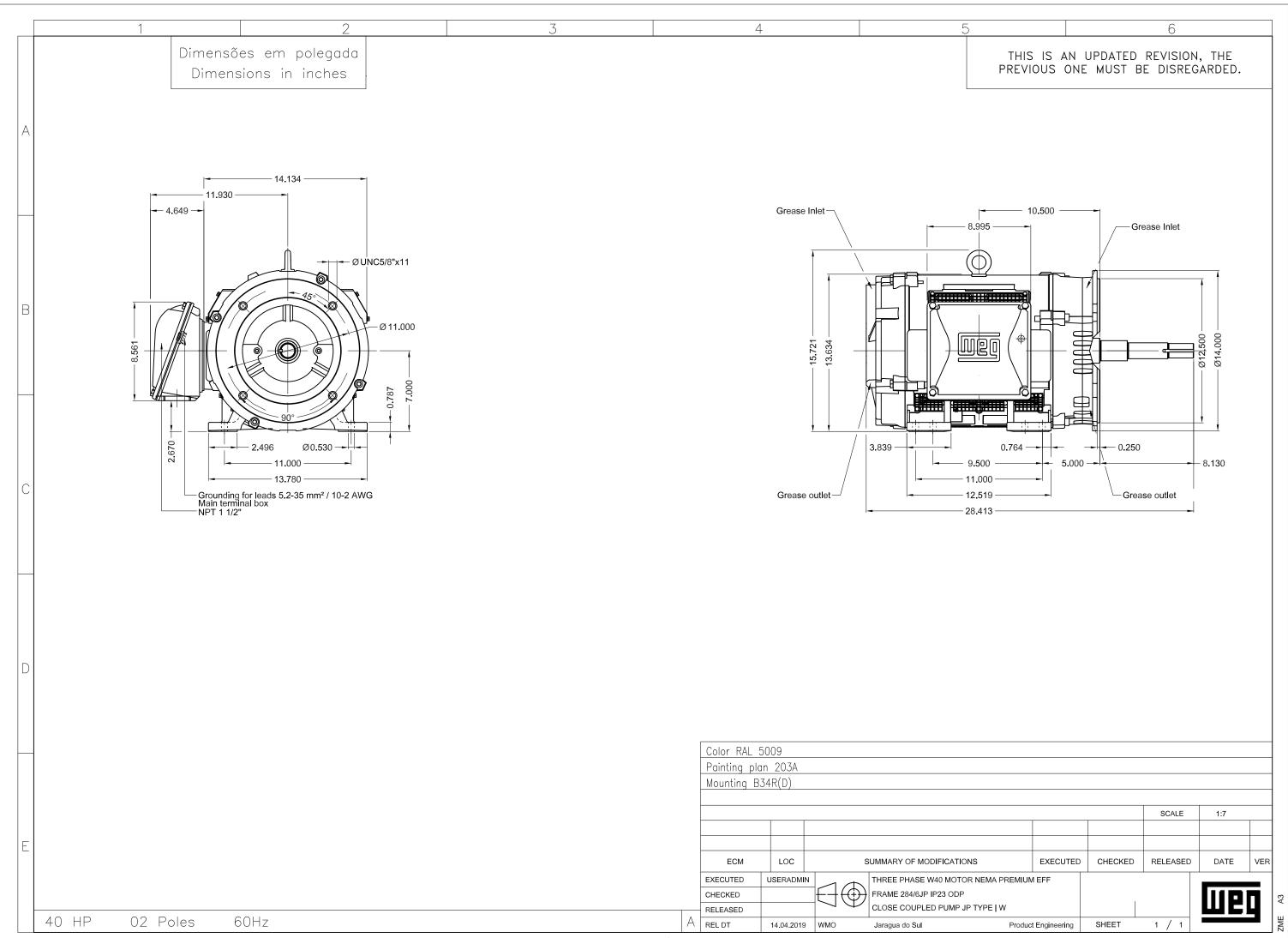
## Three Phase Induction Motor - Squirrel Cage



Customer : Dealers Industrial Equipment 800-469-3110 : 04036OT3H286JP-W40 Customer reference Product line : W40 JP Pump NEMA Premium Product code : 14490081 Efficiency Three-Phase 04036OT3H286JP-W40 Catalog # : LOAD PERFORMANCE CURVE 100 2.5 50 1 45 2.25 90 0.9 0.8 80 2 40 1.75 35 70 0.7 30 0.6 60 15 E Power factor 25 Current 1.25 Slip 3.25 8 Efficiency 0.5 50 Þ 20 0.4 40 1 0.3 30 0.75 15 10 0.5 0.2 20 0.1 10 0.25 5 0 0 0 0 10 zo 30 40 50 60 70 80 90 100 110 120 130 ò Percent of rated output 🔶 Efficiency 🖶 Power factor 🔶 Slip 🛧 Current at 575 V Performance : 575 V 60 Hz 2P Rated current : 37.4 A Moment of inertia (J) : 2.02 sq.ft.lb LRC Duty cycle : Cont.(S1) : 6.5 Insulation class : 58.5 ft.lb : F Rated torque Locked rotor torque : 190 % Service factor : 1.25 Breakdown torque : 260 % Temperature rise : 80 K Rated speed : 3540 rpm Design : B Rev. Performed Checked **Changes Summary** Date Performed by Checked by Revision Page Date 14/04/2019 2/2

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