

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

| | | | | | | | | | | | | | | | | | | | |
|--|--|--|------------------|----------------------|---|---|----------------|---------|------------------------|----------------------|----------------------|--------------|---------|------------------|--------|------|----------------|--------------------|--|
| Customer : Dealers Industrial Equipment 800-469-3110 | | | | | | | | | | | | | | | | | | | |
| Customer reference : 04036OP3VFP286TS-W40 | | | | | | | | | | | | | | | | | | | |
| Product line : W40 High Efficiency Three-Phase | Product code : 14490912 Catalog # : 04036OP3VFP286TS-W40 | | | | | | | | | | | | | | | | | | |
| Frame : 284/6TS Output : 40 HP (30 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 200/400 V Rated current : 109/54.3 A L. R. Amperes : 662/331 A LRC : 6.1x(Code G) No load current : 32.2/16.1 A Rated speed : 3535 rpm Slip : 1.81 % Rated torque : 58.6 ft.lb Locked rotor torque : 170 % Breakdown torque : 250 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 1.91 sq.ft.lb Design : B | Locked rotor time : 18s (cold) 10s (hot) Temperature rise : 105 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) Starting method : Direct On Line Approx. weight ³ : 335 lb | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr> <td>Output</td> <td>25%</td> <td>50%</td> <td>75%</td> <td>100%</td> <td rowspan="3">Foundation loads Max. traction Max. compression</td> </tr> <tr> <td>Efficiency (%)</td> <td>90.8</td> <td>91.0</td> <td>91.7</td> <td>91.7</td> </tr> <tr> <td>Power Factor</td> <td>0.54</td> <td>0.78</td> <td>0.86</td> <td>0.87</td> </tr> </table> | Output | 25% | 50% | 75% | 100% | Foundation loads Max. traction Max. compression | Efficiency (%) | 90.8 | 91.0 | 91.7 | 91.7 | Power Factor | 0.54 | 0.78 | 0.86 | 0.87 | | | |
| Output | 25% | 50% | 75% | 100% | Foundation loads Max. traction Max. compression | | | | | | | | | | | | | | |
| Efficiency (%) | 90.8 | 91.0 | 91.7 | 91.7 | | | | | | | | | | | | | | | |
| Power Factor | 0.54 | 0.78 | 0.86 | 0.87 | | | | | | | | | | | | | | | |
| <table border="1"> <tr> <td></td> <td><u>Drive end</u></td> <td><u>Non drive end</u></td> </tr> <tr> <td>Bearing type</td> <td>: 6311 Z C3</td> <td>6211 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>: 18 g</td> <td>11 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 | : 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 | |
| | <u>Drive end</u> | <u>Non drive end</u> | | | | | | | | | | | | | | | | | |
| 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 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 | 14/04/2019 | | 1 / 2 | | | | | | | | | | | | | | | | |

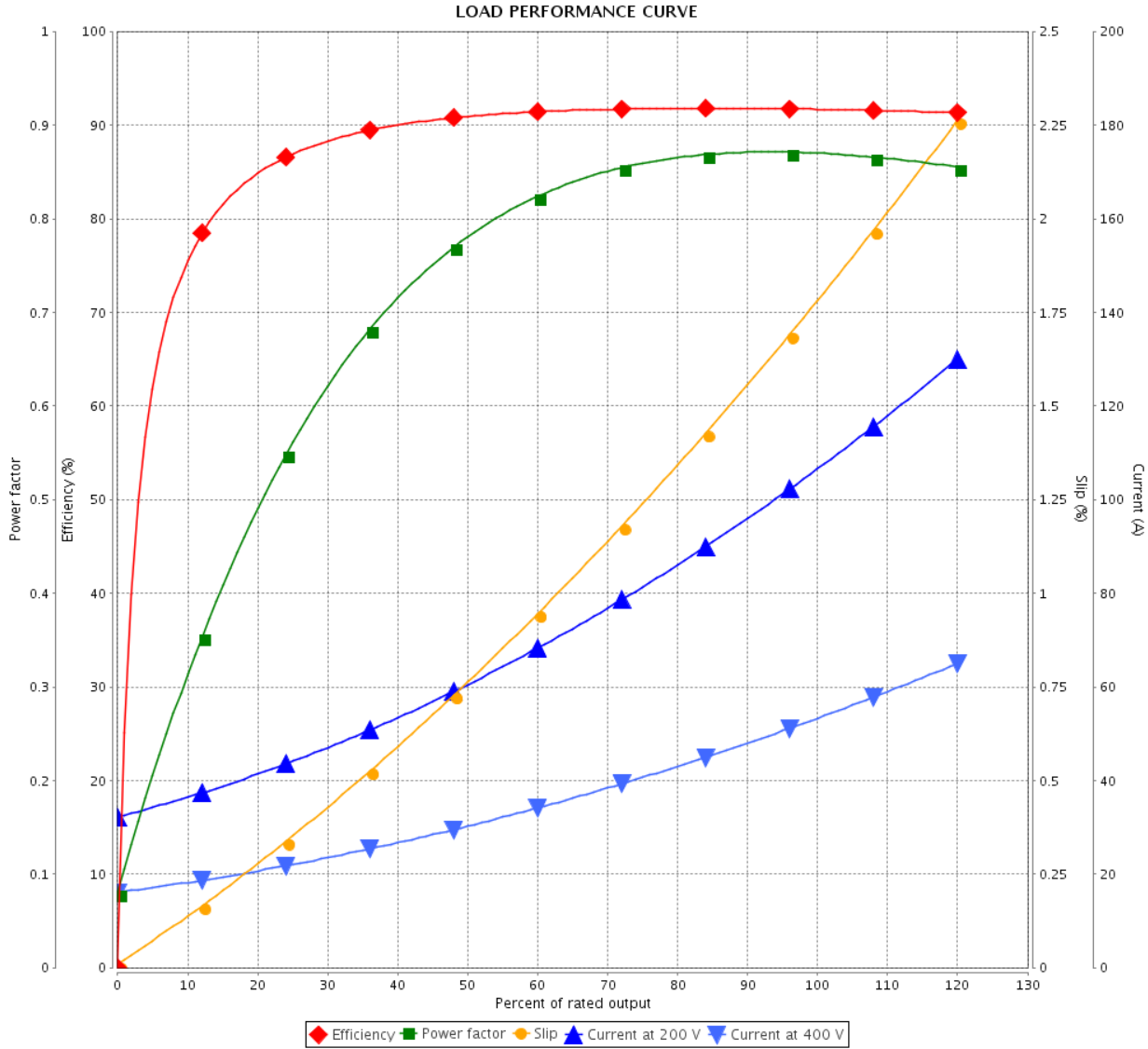
LOAD PERFORMANCE CURVE



Three Phase Induction Motor - Squirrel Cage

Customer : Dealers Industrial Equipment 800-469-3110
 Customer reference : 04036OP3VFP286TS-W40

Product line : W40 High Efficiency Three-Phase Product code : 14490912
 Catalog # : 04036OP3VFP286TS-W40



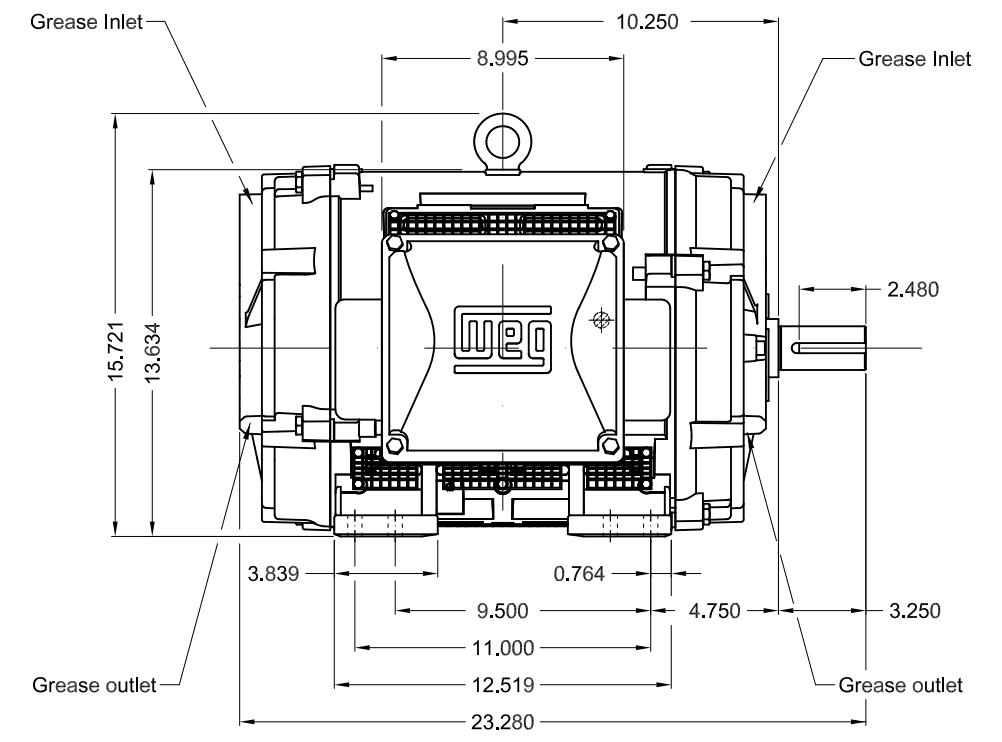
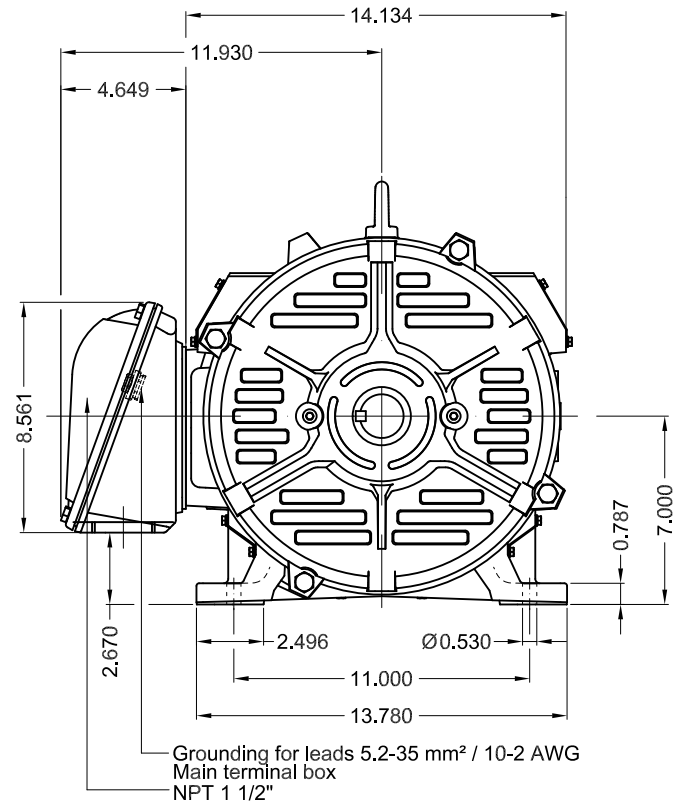
Performance : 200/400 V 60 Hz 2P

| | |
|-----------------------------|---------------------------------------|
| Rated current : 109/54.3 A | Moment of inertia (J) : 1.91 sq.ft.lb |
| LRC : 6.1 | Duty cycle : Cont.(S1) |
| Rated torque : 58.6 ft.lb | Insulation class : F |
| Locked rotor torque : 170 % | Service factor : 1.15 |
| Breakdown torque : 250 % | Temperature rise : 105 K |
| Rated speed : 3535 rpm | Design : B |

| Rev. | Changes Summary | Performed | Checked | Date |
|--------------|-----------------|-----------|---------------|----------|
| | | | | |
| Performed by | | | Page 2 / 2 | Revision |
| Checked by | | | | |
| Date | 14/04/2019 | | | |

Dimensões em polegada
Dimensions in inches

THIS IS AN UPDATED REVISION, THE
PREVIOUS ONE MUST BE DISREGARDED.



| | | | | | | | | | |
|--------------------|------------|--------------------------------|----------------|---------------------|----------|---------|----------|------|-----|
| Color RAL 3002 | | | | | | | | | |
| Painting plan 203A | | | | | | | | | |
| Mounting B3R(D) | | | | | | | | | |
| | | | | SCALE | | 1:7 | | | |
| ECM | LOC | SUMMARY OF MODIFICATIONS | | | EXECUTED | CHECKED | RELEASED | DATE | VER |
| EXECUTED | USERADMIN | THREE PHASE W40 MOTOR HIGH EFF | | | | | | | |
| CHECKED | | FRAME 284/6TS IP23 ODP | | | | | | | |
| RELEASED | | WEG code: 14490912 | | | | | | | |
| REL DT | 14.04.2019 | WMO | Jaragua do Sul | Product Engineering | SHEET | 1 / 1 | | | |

40 HP 02 Poles 60Hz

A

