# DATA SHEET

Premium Efficiency Motor: **PEWWE125-18-444TBB** **60 Hz**

WorldWide Electric Corporation
1 (800) 808-2131
Worldwideelectric.net

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## MOTOR INFORMATION

| | |
|---|---|
| HP | 125 |
| RPM | 1800 |
| Phase | 3 |
| Frequency | 60 Hz |
| Voltage | 230/460 V |
| Frame Size | 444T |
| Enclosure | TEFC |
| Degree of Protection | IP55 |
| Service Factor | 1.25 |
| Poles | 4 |
| Full Load Speed | 1790 |
| Insulation Class | F |
| Temp Rise | 80°C |
| NEMA Code Letter | G |
| Duty Cycle | S1 / Continuous |
| Slip | 0.55% |
| NEMA Design | B |
| Moment of Inertia | 36.8 lb.ft.^2 |
| Locked Rotor Time (Hot) | 20 seconds |
| Sound Pressure Level | 76 dB(A) |
| Number of Starts | 2 Cold/ 1 Hot |
| Max Ambient Temperature | 40°C |
| Max Elevation | 1000 m.a.s.l (3300 f.a.s.l) |
| Mounting | F1 |
| Rotation | Bi-Directional |
| Area of Classification | Class 1 Division 2 Groups A,B,C,D T3A(180°C) |
| Inverter Rating | 10:1 CT / 20:1 VT PWM Type |
| Standard | NEMA MG-1 |
| Approvals | CSA-US, CE |

## ADDITIONAL DATA

| | |
|---|---|
| F2 Suitable | Yes |
| Shaft Material | 1045 Carbon Steel |
| Connection Diagram | 230 / 460 V - 12 Lead Δ |
| Approximate Weight | 1359 lbs. |

## EFFICIENCY/POWER FACTOR

| LOAD | EFF | P. F. |
|---|---|---|
| 100% | 95.4 % | 0.84 |
| 75% | 95.6 % | 0.81 |
| 50% | 95.3 % | 0.73 |

## TORQUE

| FULL LOAD | LRT | BDT |
|---|---|---|
| 367 lb.ft. | 160 % | 230 % |

## AMPERAGE INFORMATION

| | 230V | 460V |
|---|---|---|
| Full Load Amps | 292A | 146A |
| Locked Rotor Amps | 1815A | 907.5A |
| No Load Current | 101A | 50.5A |
| Usable at 208V | 323A | |

## BEARING INFORMATION

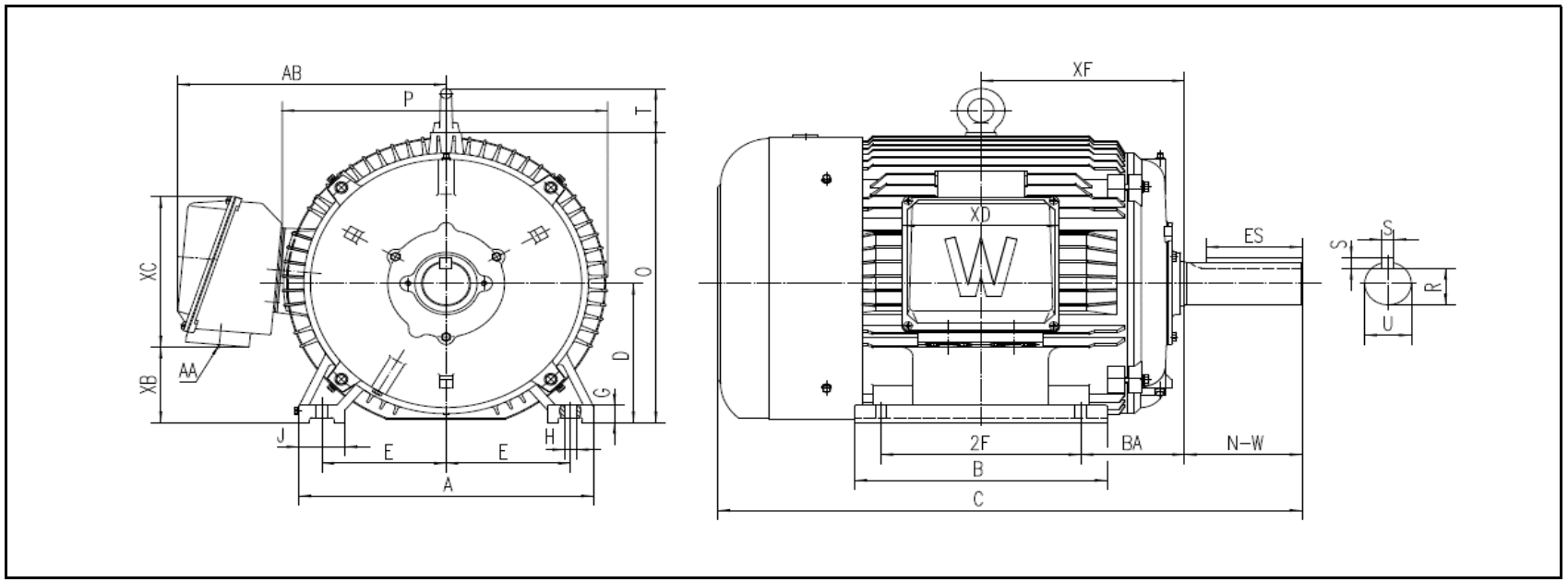
| | |
|---|---|
| DE Bearing | 6318 C3 |
| ODE Bearing | 6313 C3 |
| Grease Type | SKF LGHP 2 |
| DE Regreasing Interval | 1500 Hours |
| ODE Regreasing Interval | 3000 Hours |

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# MOTOR DRAWING

Premium Efficiency Motor: **PEWWE125-18-444TBB**

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## DIMENSION - INCHES

| MOUNTING | | | | | A | B | C | D | G | J | P | O | T | AB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E | 2F1 | 2F | H | BA | | | | | | | | | | |
| 9 | -- | 14.5 | 0.81 | 7.5 | 21.339 | 18.268 | 42.301 | 11 | 1.378 | 3.346 | 23.574 | 22.969 | 3.465 | 19.436 |

| SHAFT & KEY | | | | |
|---|---|---|---|---|
| S | ES | R | N-W | U |
| 0.875 | 6.91 | 2.88 | 8.5 | 3.375 |

| TERMINAL BOX | | | | |
|---|---|---|---|---|
| AA | XB | XC | XD | XF |
| 2 X 3 | 5.97 | 11.905 | 11.339 | 14.744 |

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# PERFORMANCE CURVES

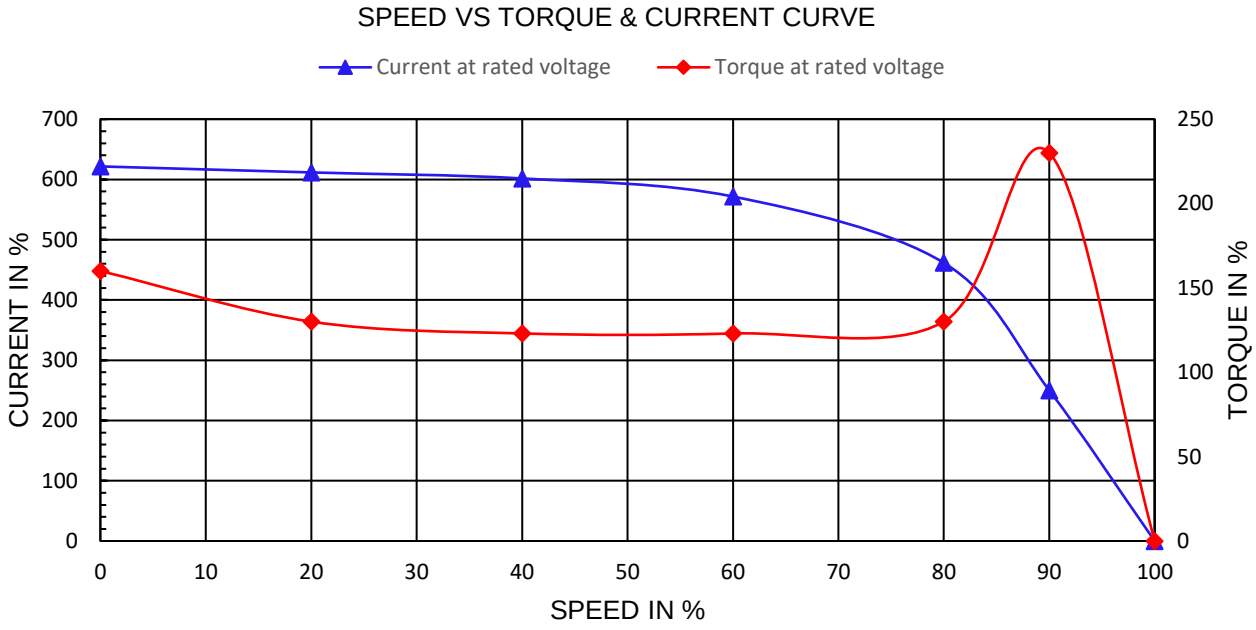
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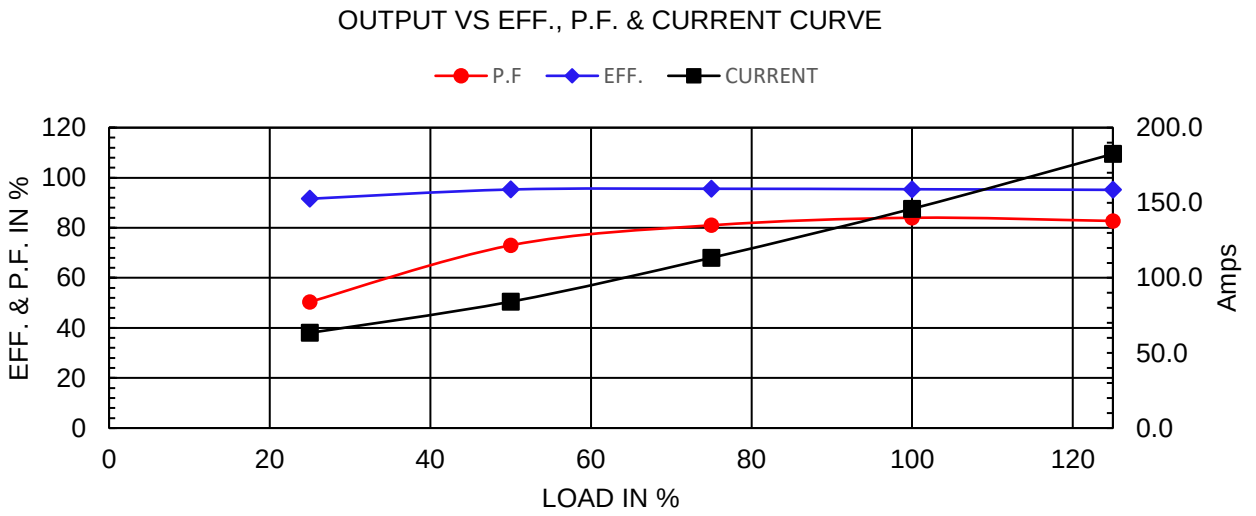
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|---|---|---|---|---|---|---|---|
| Motor Type | PEWWE | | | | | | |
| Output Rating (HP) | 125 | | FL Speed | 1790 | | | |
| Full Load Torque | 367 | lb.ft | LRT (%FLT) | 160 | 460 volt FLA | 146 | A |
| Rotor Wk^2 | 36.8 | lb-ft^2 | BDT (%FLT) | 230 | 230 volt FLA | 292 | A |




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# NAMEPLATE / WIRING

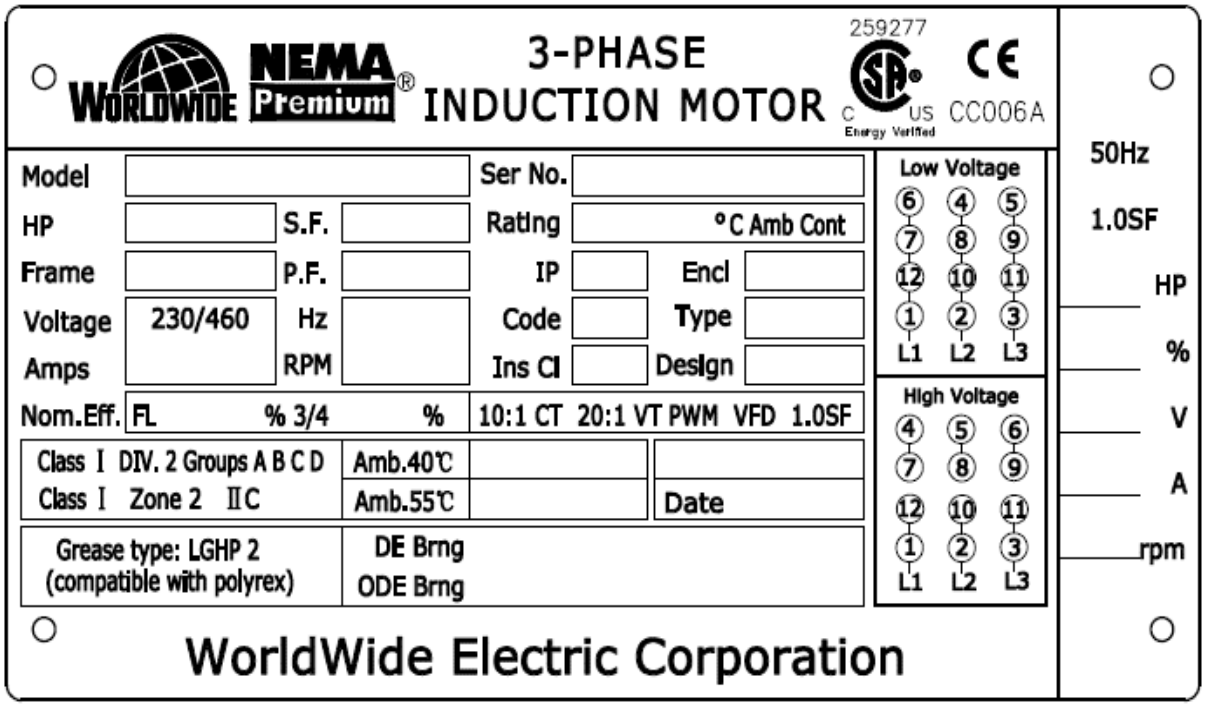
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# SAMPLE NAMEPLATE DATA




| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Model | PEWWE125-18-444TBB | | | | | | |
| HP | 125 | S.F. | 1.25 | IP | IP55 | Encl | TEFC |
| Frame | 444T | P.F. | 0.84 | Code | G | Type | |
| Voltage | 230/460 V | Hz | 60 Hz | Ins Cl | F | Ambient | 40°C |
| Amps | 292/146 | RPM | 1790 | Design | B | DE Brng | 6318 C3 |
| Nom.Eff. | FL | 95.4% | 3/4 | 95.6% | | ODE Brng | 6313 C3 |
| Class 1 Division 2 Groups A,B,C,D T3A(180℃) | | | | | | Grease type: | SKF LGHP 2 |

| 50Hz | | | | |
|---|---|---|---|---|
| 125 HP | 200/400 V | 340/17( A | 1490 rpm | 94.2% |

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