# DATA SHEET

Premium Efficiency Motor: **ODP15-12-284T,** **60 Hz**

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

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## MOTOR INFORMATION

| | |
|---|---|
| HP | 15 |
| RPM | 1200 |
| Phase | 3 |
| Frequency | 60 |
| Voltage | 230/460 |
| Frame Size | 284/6T |
| Enclosure | ODP |
| Degree of Protection | IP23 |
| Service Factor | 1.15 |
| Poles | 6 |
| Full Load Speed | 1178 |
| Insulation Class | F |
| Temp Rise | 80˚C |
| NEMA Code Letter | E |
| Duty Cycle | S1 / Continuous |
| Slip | 1.87% |
| NEMA Design | B |
| Moment of Inertia | 6.321 lb.ft.^2 |
| Locked Rotor Time (Hot) | 12 seconds |
| Sound Pressure Level | 60 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 | Safe Area |
| Inverter Rating | 10:1 CT / 20:1 VT |
| Standard | NEMA MG 1 |
| Approvals | UL, CE |

## ADDITIONAL DATA

| | |
|---|---|
| F2 Suitable | Yes |
| Shaft Material | AISI 1045 |
| Connection Diagram | 12 Lead Delta |
| Approximate Weight | 331 lbs. |

## EFFICIENCY/POWER FACTOR

| LOAD | EFF | P. F. |
|---|---|---|
| 100% | 91.7 % | 0.82 |
| 75% | 92.1 % | 0.79 |
| 50% | 91.4 % | 0.71 |

## TORQUE

| FULL LOAD | LRT | BDT |
|---|---|---|
| 65.93 lb.ft. | 204 % | 222 % |

## AMPERAGE INFORMATION

| | 230V | 460V |
|---|---|---|
| Full Load Amps | 36.6A | 18.3A |
| Locked Rotor Amps | 172.6A | 86.3A |
| No Load Current | 13.4A | 6.7A |

Usable at 208V 17.2A

## BEARING INFORMATION

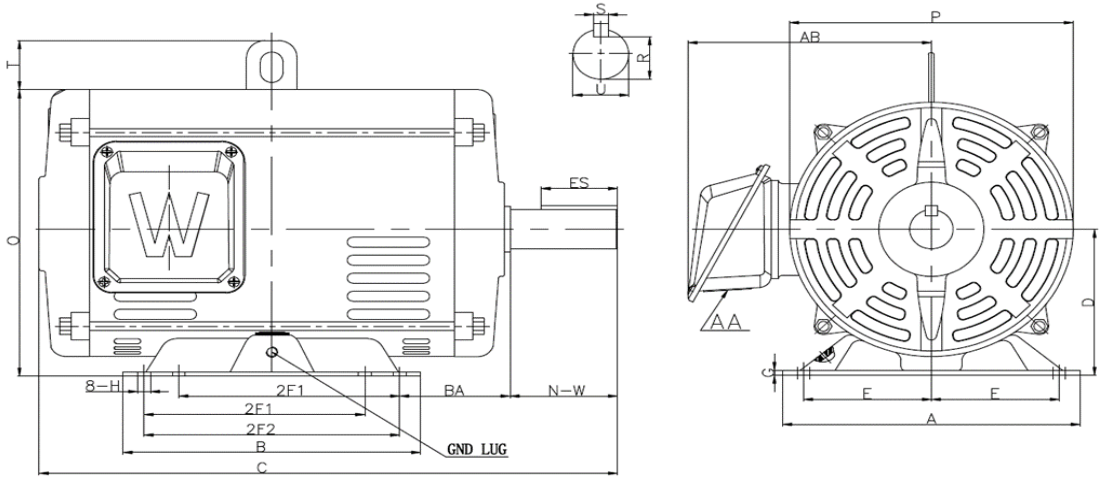
| | |
|---|---|
| DE Bearing | 6311Z |
| ODE Bearing | 6310Z |
| Grease Type | Mobil Polyrex EM |
| DE Regreasing Interval | 2400 Hours |
| ODE Regreasing Interval | 3600 Hours |
| Grease Quantity | 13g/8g |

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# MOTOR DRAWING

Premium Efficiency Motor: **ODP15-12-284T**

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## DIMENSION - INCHES

| MOUNTING | | | | | A | B | C | D | G | P | O | T | AB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E | 2F1 | 2F2 | H | BA | | | | | | | | | |
| 5.5 | 9.5 | 11 | 0.53 | 4.75 | 12.8 | 12.8 | 25 | 7 | 0.24 | 12.2 | 13.1 | 2.36 | 11.1 |

| SHAFT & KEY | | | | |
|---|---|---|---|---|
| S | ES | R | N-W | U |
| 0.5 | 3.28 | 1.591 | 4.62 | 1.875 |

| T-BOX | GND |
|---|---|
| AA | LUG |
| 2 | M6*P1.0 |

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# PERFORMANCE CURVES

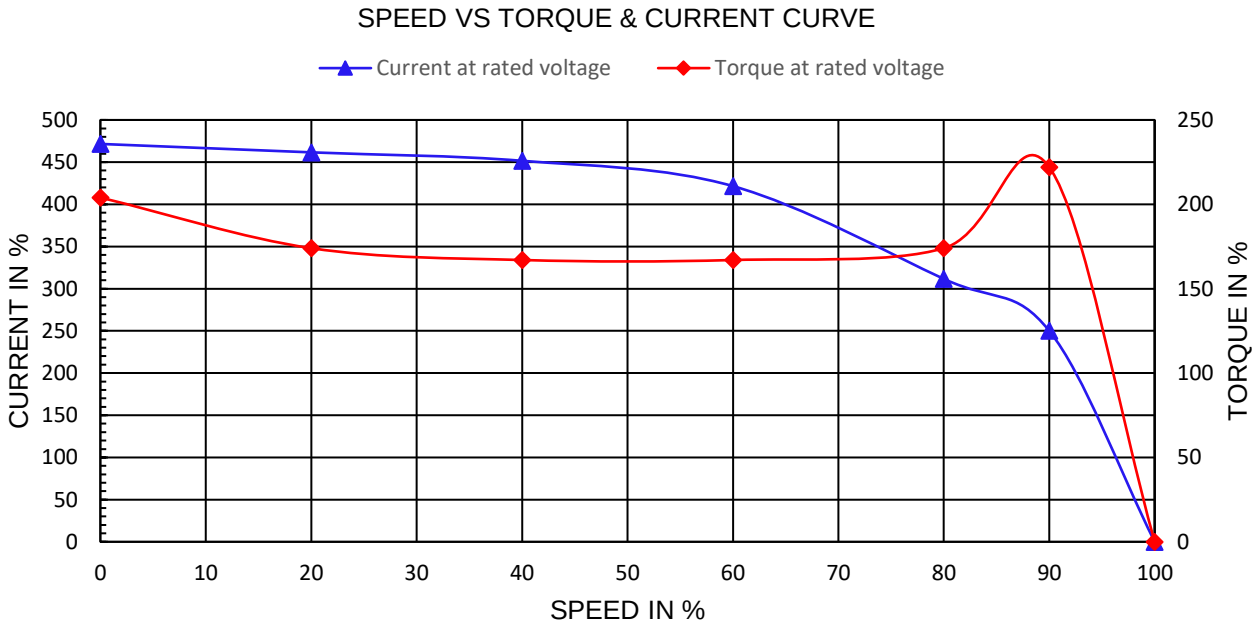
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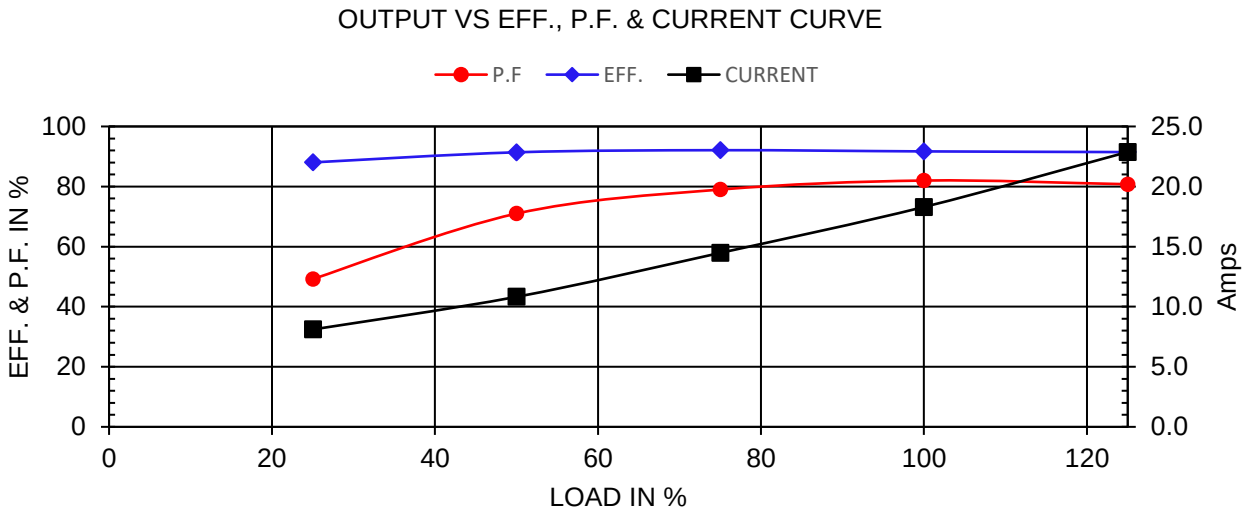
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|---|---|---|---|---|---|---|---|
| Motor Type | ODP | | | | | | |
| Output Rating (HP) | 15 | | FL Speed | 1178 | | | |
| Full Load Torque | 65.93 | lb.ft | LRT (%FLT) | 204 | 460 volt FLA | 18.3 | |
| Rotor Wk^2 | 0.917 | lb-ft^2 | BDT (%FLT) | 222 | 230 volt FLA | 36.6 | |




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# NAMEPLATE / WIRING

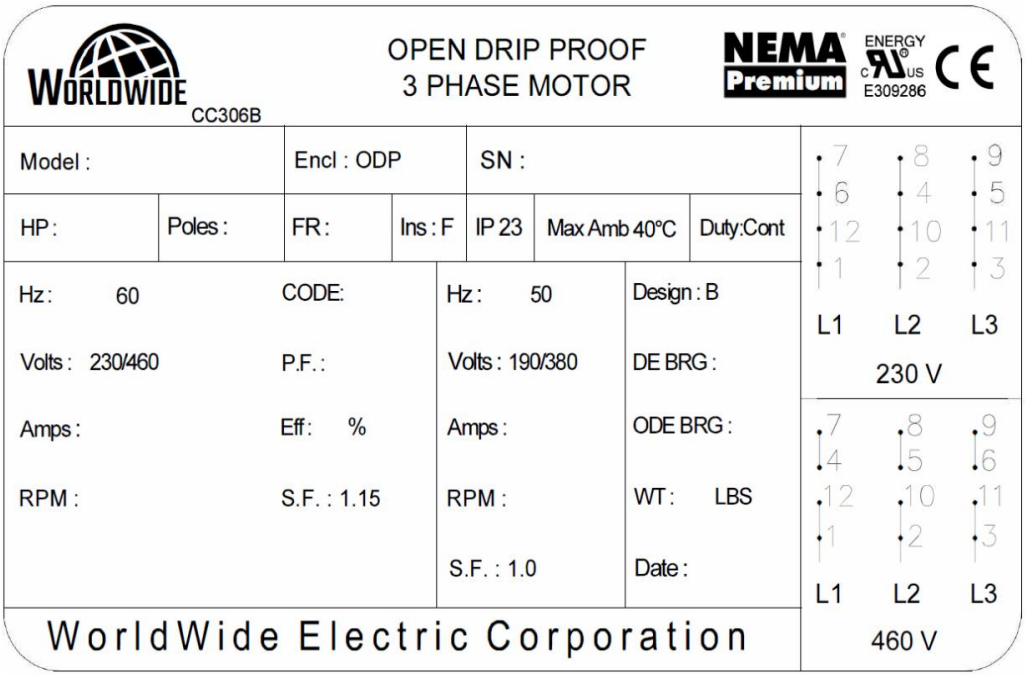
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# SAMPLE NAMEPLATE DATA




| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Model:** | ODP15-12-284T | | | **Encl:** | ODP | | | | |
| **HP:** | 15 | **Poles:** | 6 | **Frame** | 284/6T | **Ins Cl:** | F | **IP** | IP23 |
| **Hz:** | 60 | **Code:** | E | **Hz:** | 50 | **Design:** | B | | |
| **Volts:** | 230/460 | **P.F.:** | 0.82 | **Volts:** | 190/380 | **DE Brg:** | 6311Z | | |
| **Amps:** | 36.6/18.3 | **Eff:** | 91.7% | **Amps:** | 45.2/22.6 | **ODE Brg:** | 6310Z | | |
| **RPM:** | 1178 | **S.F.:** | 1.15 | **RPM:** | 968 | **WT:** | 331 lbs. | | |
| | | | | **S.F.:** | 1.0 | | | | |

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