# DATA SHEET

Premium Efficiency Motor: **ODP1.5-36-143T,** **60 Hz**

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

Document Generated: 31-Mar-2025
Document ID:

Customer:

## MOTOR INFORMATION

| | |
|---|---|
| HP | 1.5 |
| RPM | 3600 |
| Phase | 3 |
| Frequency | 60 |
| Voltage | 230/460 |
| Frame Size | 143/5T |
| Enclosure | ODP |
| Degree of Protection | IP23 |
| Service Factor | 1.15 |
| Poles | 2 |
| Full Load Speed | 3466 |
| Insulation Class | F |
| Temp Rise | 80˚C |
| NEMA Code Letter | L |
| Duty Cycle | S1 / Continuous |
| Slip | 3.72% |
| NEMA Design | B |
| Moment of Inertia | 0.056 lb.ft.^2 |
| Locked Rotor Time (Hot) | 12 seconds |
| Sound Pressure Level | 53 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 | No |
| Shaft Material | AISI 1045 |
| Connection Diagram | 9 Lead Wye |
| Approximate Weight | 32 lbs. |

## EFFICIENCY/POWER FACTOR

| LOAD | EFF | P. F. |
|---|---|---|
| 100% | 84.0 % | 0.85 |
| 75% | 85.0 % | 0.79 |
| 50% | 83.2 % | 0.68 |

## TORQUE

| FULL LOAD | LRT | BDT |
|---|---|---|
| 2.23 lb.ft. | 495 % | 399 % |

## AMPERAGE INFORMATION

| | 230V | 460V |
|---|---|---|
| Full Load Amps | 3.8A | 1.9A |
| Locked Rotor Amps | 35.46A | 17.73A |
| No Load Current | 1.72A | 0.86A |
| Usable at 208V | 4.2A | |

## BEARING INFORMATION

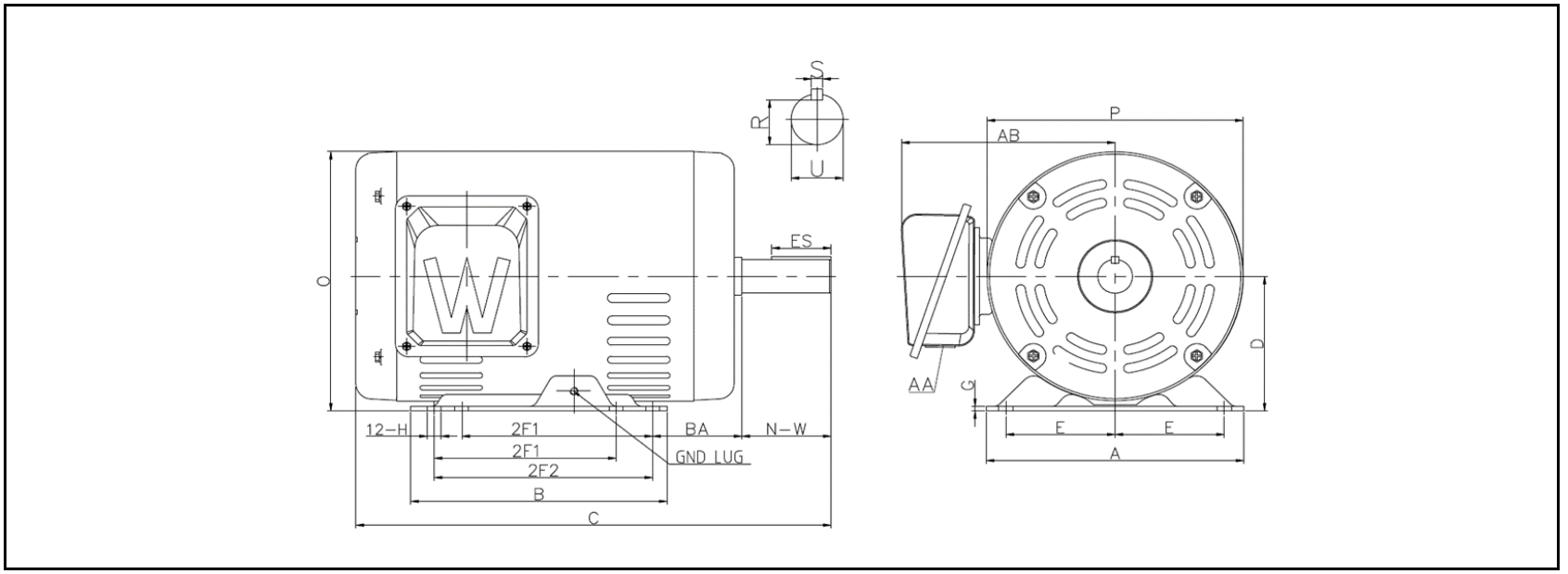
| | |
|---|---|
| DE Bearing | 6205ZZ |
| ODE Bearing | 6204ZZ |
| Grease Type | NSK SN7 |
| DE Regreasing Interval | -- Hours |
| ODE Regreasing Interval | -- Hours |
| Grease Quantity | -- |

This document is the property of WorldWide Electric Corporation and may not be reproduced without express authorization

# MOTOR DRAWING

Premium Efficiency Motor: **ODP1.5-36-143T**

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




## DIMENSION - INCHES

| MOUNTING | | | | | A | B | C | D | G | P | O | T | AB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E | 2F1 | 2F2 | H | BA | | | | | | | | | |
| 2.75 | 4 | 5 | 0.34 | 2.25 | 6.5 | 6.5 | 11.974 | 3.5 | 0.118 | 6.5 | 6.73 | -- | 5.384 |

| SHAFT & KEY | | | | |
|---|---|---|---|---|
| S | ES | R | N-W | U |
| 0.188 | 1.41 | 0.771 | 2.25 | 0.875 |

| T-BOX | GND |
|---|---|
| AA | LUG |
| 1.09 | M5*P0.8 |

This document is the property of WorldWide Electric Corporation and may not be reproduced without express authorization

# PERFORMANCE CURVES

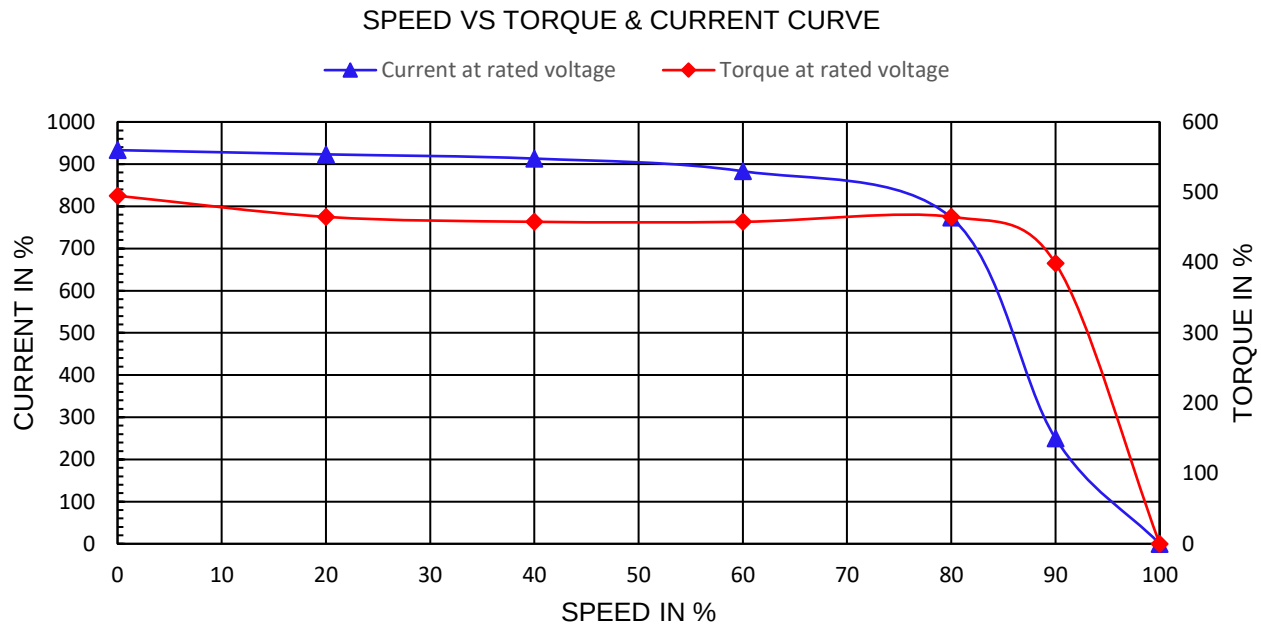
WorldWide Electric Corporation
1 (800) 808-2131
Worldwideelectric.net

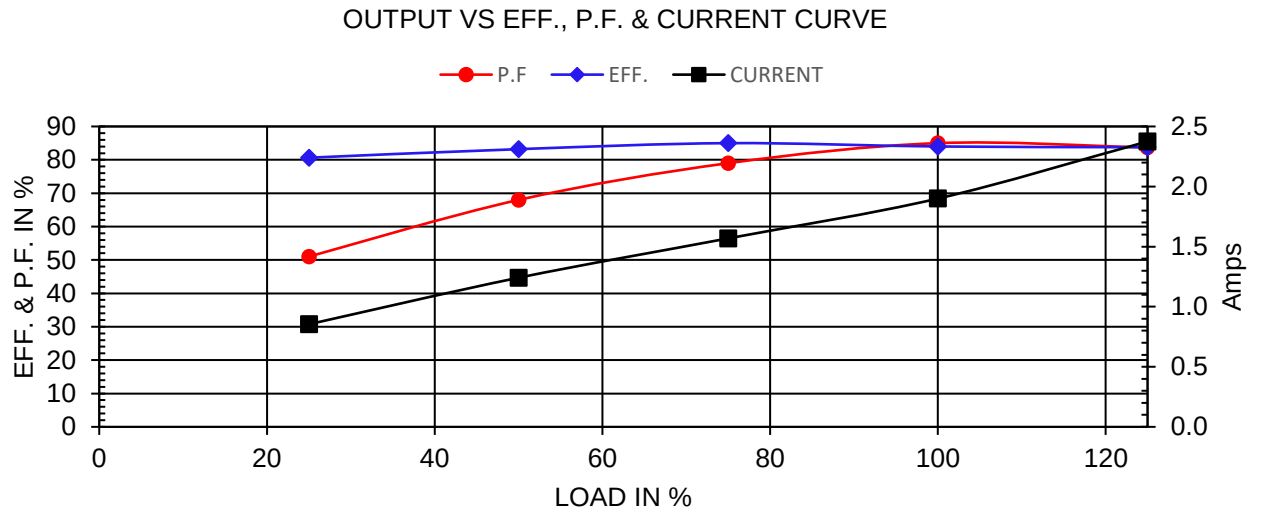
Premium Efficiency Motor: **ODP1.5-36-143T**

| | |
|---|---|
| Document Generated: | 31-Mar-2025 |
| Document ID: | |

Customer:

| | | | | | | |
|---|---|---|---|---|---|---|
| Motor Type | ODP | | | | | |
| Output Rating (HP) | 1.5 | | FL Speed | 3466 | | |
| Full Load Torque | 2.23 | lb.ft | LRT (%FLT) | 495 | 460 volt FLA | 1.9 |
| Rotor Wk^2 | 0.84 | lb-ft^2 | BDT (%FLT) | 399 | 230 volt FLA | 3.8 |




This document is the property of WorldWide Electric Corporation and may not be reproduced without express authorization.

# NAMEPLATE / WIRING

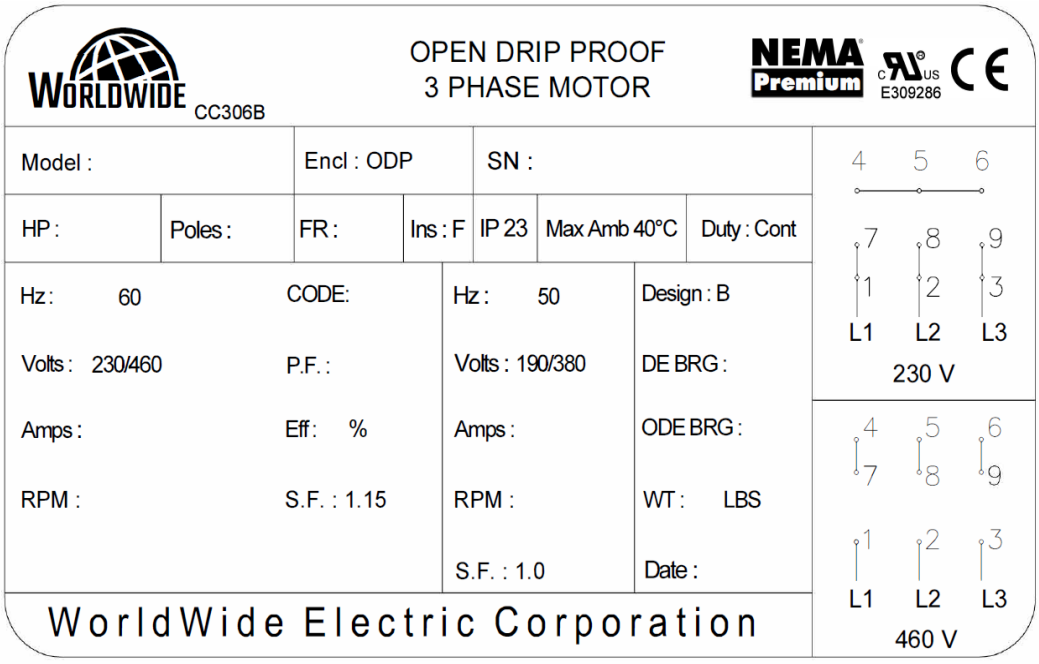
Premium Efficiency Motor: **ODP1.5-36-143T**

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

| | |
|---|---|
| Document Generated: | 31-Mar-2025 |
| Document ID: | |

Customer:

# SAMPLE NAMEPLATE DATA




| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Model:** | ODP1.5-36-143T | | | **Encl:** | ODP | | | | |
| **HP:** | 1.5 | **Poles:** | 2 | **Frame** | 143/5T | **Ins Cl:** | F | **IP** | IP23 |
| **Hz:** | 60 | **Code:** | L | **Hz:** | 50 | **Design:** | B | | |
| **Volts:** | 230/460 | **P.F.:** | 0.85 | **Volts:** | 190/380 | **DE Brg:** | 6205ZZ | | |
| **Amps:** | 3.8/1.9 | **Eff:** | 84.0% | **Amps:** | 4.4/2.2 | **ODE Brg:** | 6204ZZ | | |
| **RPM:** | 3466 | **S.F.:** | 1.15 | **RPM:** | 2883 | **WT:** | 32 lbs. | | |
| | | | | **S.F.:** | 1.0 | | | | |

This document is the property of WorldWide Electric Corporation and may not be reproduced without express authorization