

DATA SHEET

Premium Efficiency Motor: **SSPE34-12-143TCRD,**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

| MOTOR INFORMATION | |
|-------------------------|--------------------------------|
| HP | 3/4 |
| RPM | 1200 |
| Phase | 3 |
| Frequency | 60 |
| Voltage | 230/460 |
| Frame Size | 143TC |
| Enclosure | TEFC |
| Degree of Protection | IP69K |
| Service Factor | 1.15 |
| Poles | 6 |
| Full Load Speed | 1155 |
| Insulation Class | F |
| Temp Rise | 80°C |
| NEMA Code Letter | P |
| Duty Cycle | S1 |
| Slip | 3.75% |
| NEMA Design | B |
| Moment of Inertia | 0.103 lb.ft.^2 |
| Locked Rotor Time (Hot) | 12 seconds |
| Sound Pressure Level | 55 dB(A) |
| Number of Starts | 12 |
| Max Ambient Temperature | 40° C |
| Max Elevation | 1000 m.a.s.l (3300 f.a.s.l) |
| Mounting | F1 |
| Rotation | Bidirectional |
| Area of Classification | Div.2 Class I, Gr. A,B,C&D T2B |
| Inverter Rating | 10:1 CT/20:1 VT |
| Standard | NEMA MG1, UL1004 |
| Approvals | CSA,UL,CE |

| EFFICIENCY/POWER FACTOR | | |
|-------------------------|--------|-------|
| LOAD | EFF | P. F. |
| 100% | 81.5 % | 0.65 |
| 75% | 76.0 % | 0.58 |
| 50% | 71.0 % | 0.5 |

| TORQUE | | |
|------------|-------|-------|
| FULL LOAD | LRT | BDT |
| 3.3 lb.ft. | 255 % | 280 % |

| AMPERAGE INFORMATION | | |
|----------------------|------|------|
| | 230V | 460V |
| Full Load Amps | 3.7 | 1.85 |
| Locked Rotor Amps | 25 | 12.5 |
| No Load Current | 1.7 | 0.85 |
| Usable at 208V | | 4 |

| BEARING INFORMATION | |
|---------------------|------------------|
| DE Bearing | 6205 2RS |
| ODE Bearing | 6205 2RS |
| Grease Type | Mobil Polyrex EM |

| ADDITIONAL DATA | |
|--------------------|---------------------|
| F2 Suitable | No |
| Shaft Material | 304 Stainless Steel |
| Connection Diagram | 9 Lead 2Y/Y |
| Approximate Weight | 34 lbs. |

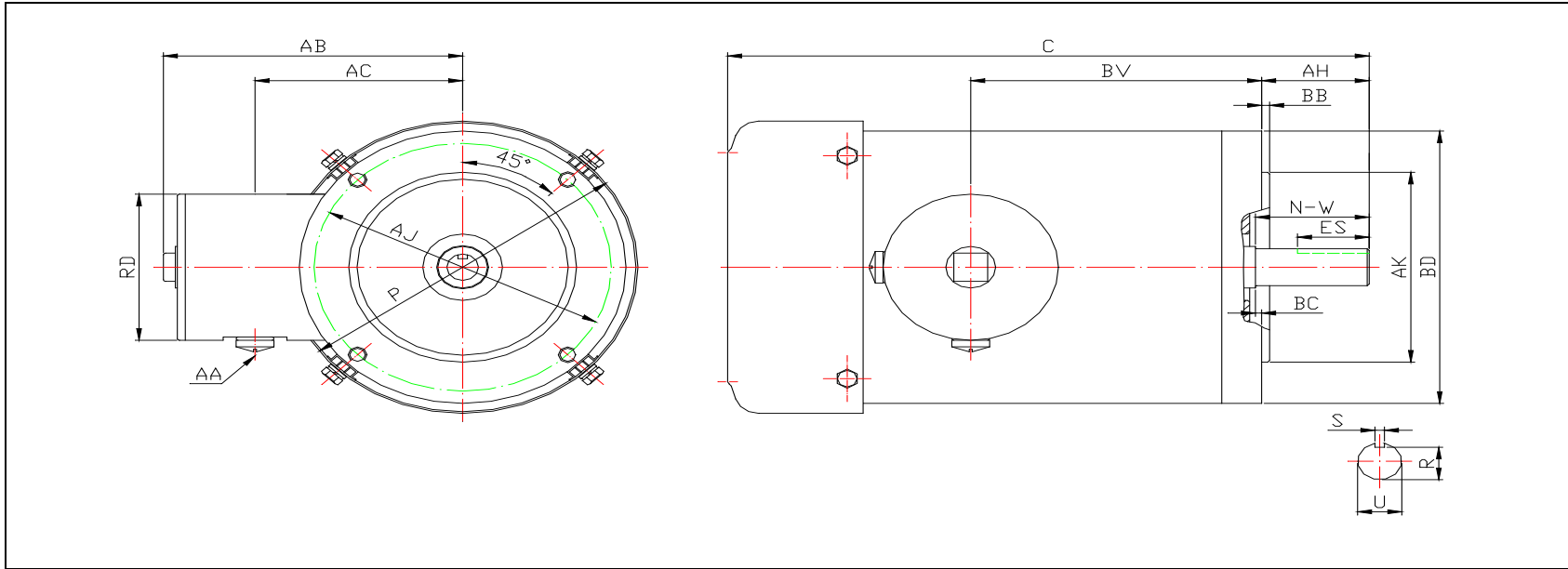
MOTOR DRAWING

Premium Efficiency Motor: **SSPE34-12-143TRD**

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DIMENSION - INCHES

| FLANGE MOUNTING | | | | | | C | P | T | AB |
|-----------------|------|-------|----------|------|------|-------|------|-----|------|
| AK | BD | AJ | BF | BB | BC | | | | |
| 4.5 | 6.45 | 5.875 | 4*3/8-16 | 0.16 | 0.12 | 12.63 | 6.95 | N/A | 5.95 |

| SHAFT & KEY | | | | | |
|-------------|------|-------|------|-------|------|
| S | ES | R | N-W | U | AH |
| 0.188 | 1.41 | 0.771 | 1.88 | 0.875 | 2.12 |

| TERMINAL BOX | | | | |
|--------------|------|-----|------|------|
| AA | AB | AC | RD | BV |
| 1/2 NPT | 5.95 | 4.5 | 3.45 | 4.75 |

PERFORMANCE CURVES

Premium Efficiency Motor:

SSPE34-12-143TCRD

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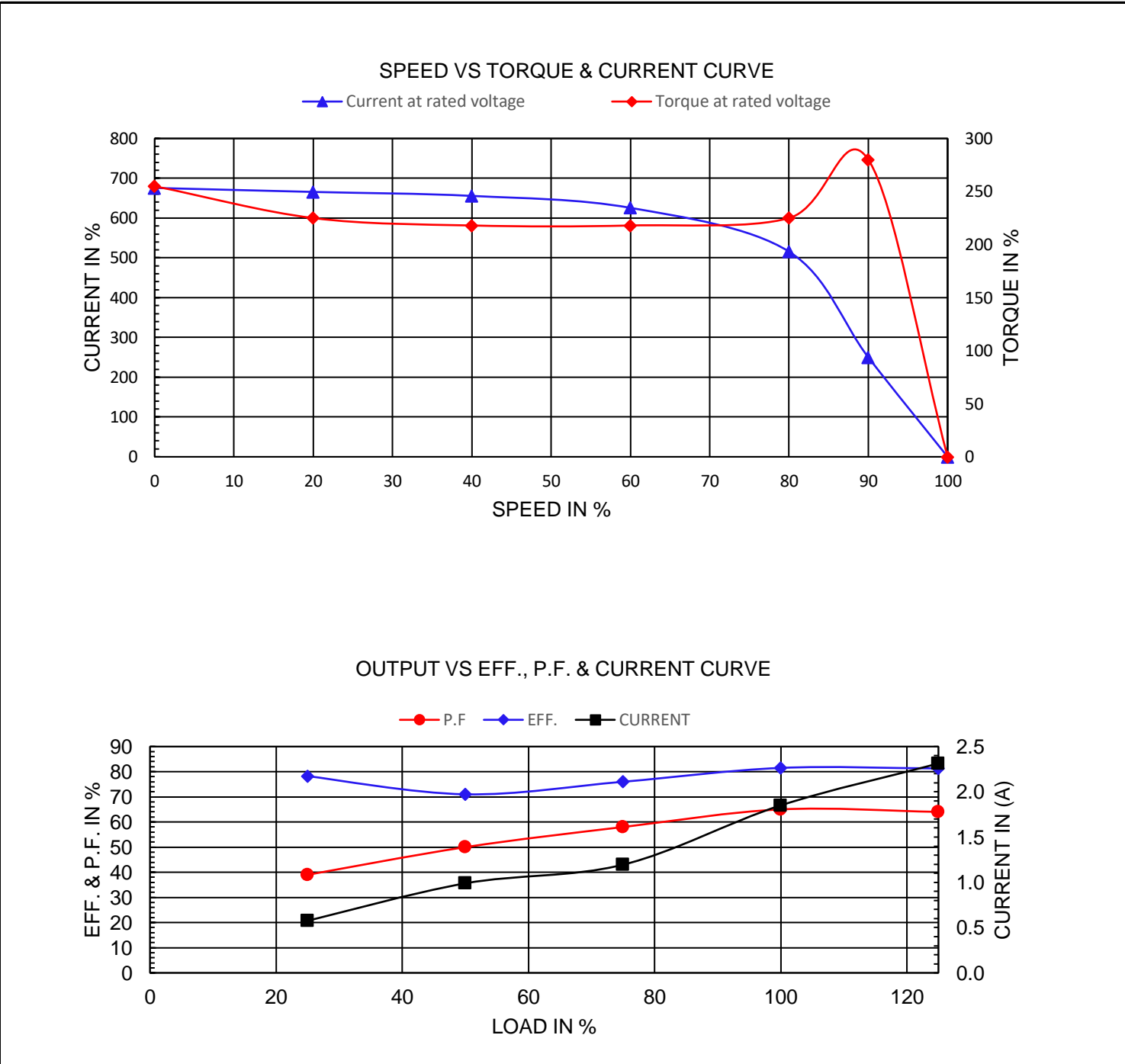
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| | | | | | | | |
|--------------------|-------|---------|--|------------|------|--------------|------|
| Motor Type | SSPE | | | FL Speed | 1155 | | |
| Output Rating (HP) | 3/4 | | | LRT (%FLT) | 255 | 460 volt FLA | 1.85 |
| Full Load Torque | 3.3 | lb.ft | | BDT (%FLT) | 280 | 230 volt FLA | 3.7 |
| Rotor Wk^2 | 0.103 | lb-ft^2 | | | | | |



NAMEPLATE / WIRING

Premium Efficiency Motor:

SSPE34-12-143TCRD

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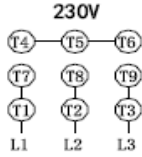
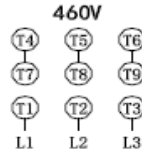




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SAMPLE NAMEPLATE DATA

| | | | | | | | | | |
|--|------------|---|------------|--|-----------|---|---|--|--|
|  | | THREE PHASE AC INDUCTION MOTOR INVERTER DUTY 20:1 VT 10:1 CT | | | |  | | | |
| Model | | FRAME | | IP 69K | LB/WT | |  | | |
| Hz 60 | S. F. 1.15 | Hz 50 | S. F. 1.15 | ENCL. TEFC | AMB. 40°C | |  | | |
| HP | RPM | HP | RPM | DUTY CONT | INS. F | | | | |
| VOLTS 230/460 | | VOLTS 190/380 | | NEMA DES. B | | | | | |
| AMP | | AMP | | BRG DE | | | | | |
| CODE | P. F. | CODE | P. F. | BRG ODE | | | | | |
| EFF | MIN | IE3 - | | NO. | | | | | |
|  | |  | |  | |  | | | |

| | | | | | | | |
|---------|-------------------|------|------|-------|---------|-------|---------|
| Model | SSPE34-12-143TCRD | | | FRAME | 143TC | LB/WT | 34 lbs. |
| Hz | 60 | S.F. | 1.15 | Hz | 50 | S.F. | 1.15 |
| HP | 3/4 | RPM | 1155 | HP | 1/2 | RPM | 960 |
| VOLTS | 230/460 | | | VOLTS | 190/380 | | |
| AMPS | 3.7/1.85 | | | AMPS | 2.8/1.4 | | |
| CODE | P | P.F. | 0.65 | CODE | N | P.F. | 0.53 |
| EFF | 81.5% | MIN | 71% | IE3 - | 73.5% | | |
| BRG DE | 6205 2RS | | | | | | |
| BRG ODE | 6205 2RS | | | | | | |