



WORLDWIDE ELECTRIC MOTOR DATA SHEET

IXPEWWE30-36-286TS



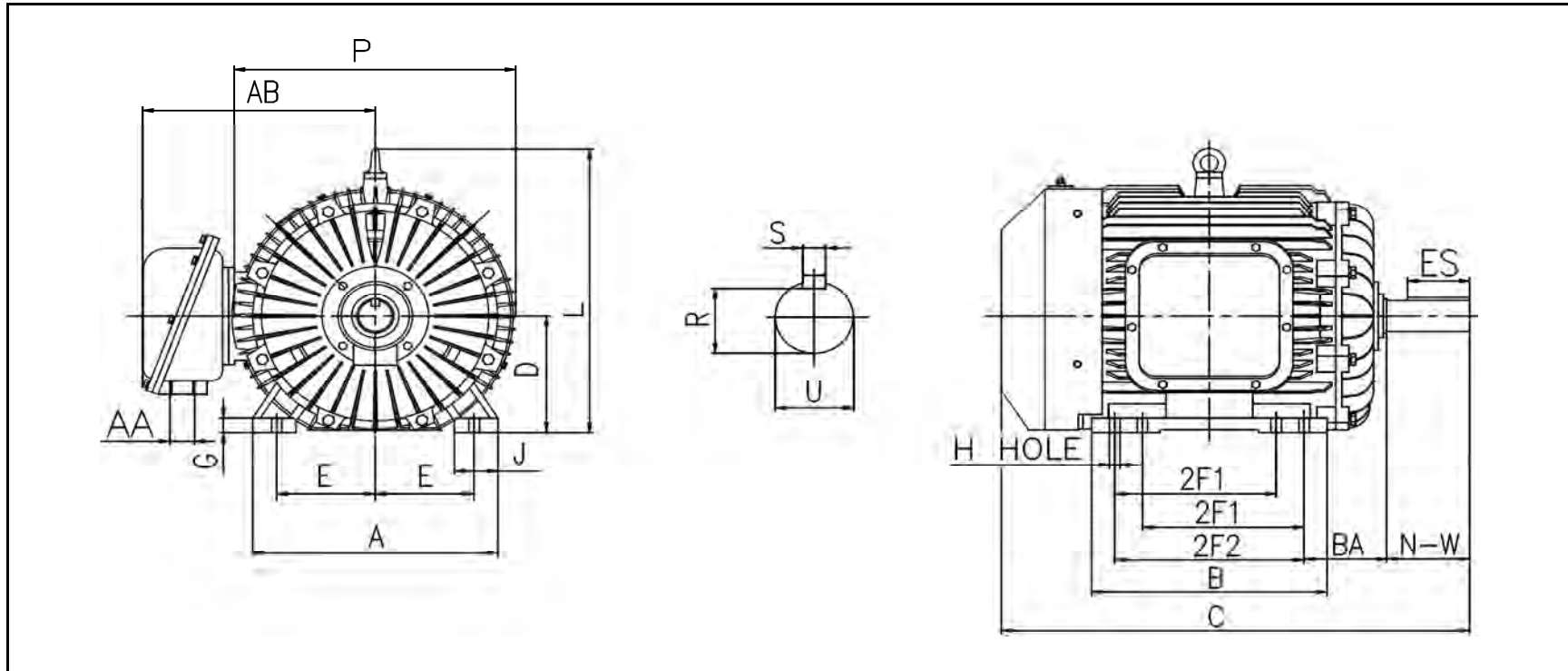
| | | | |
|----------------------------------|--|-------------|-------------|
| HORSEPOWER | 30 | | |
| RPM / POLES | 3600 / 2 | | |
| VOLTAGE / PHASE | 230 / 460 V / 3 | | |
| FRAME | 286TS | | |
| ENCLOSURE / DEGREE OF PROTECTION | TEFC / IP55 | | |
| FREQUENCY | 60 HZ Suitable For 50 HZ Operation With 1.0 SF | | |
| FULL LOAD SPEED | 3560 RPM | | |
| SERVICE FACTOR | 1.15 SF | | |
| INSULATION CLASS | F | | |
| FULL LOAD AMPS | 65.0 / 32.5 A | | |
| LOCKED ROTOR AMPS (STARTING) | 435 / 217.5 A | | |
| NO LOAD CURRENT | | | |
| NEMA CODE LETTER | G | | |
| EFFICIENCY / POWER FACTOR | <u>LOAD</u> | <u>EFF.</u> | <u>P.F.</u> |
| | 100% | 91.7% | 0.89 |
| | 75% | 91.9% | 0.82 |
| | 50% | 91.5% | 0.78 |
| DUTY CYCLE | S1 / Continuous | | |
| TORQUE | <u>FULL LOAD</u> | <u>LRT</u> | <u>BDT</u> |
| | 53.3 lb.ft. | 130% | 200% |
| | | | |
| SLIP | 1.11% | | |
| NEMA DESIGN | B | | |
| MOMENT OF INERTIA | | | |
| NUMBER OF STARTS (Hot / Cold) | 1 Hot / 2 Cold (Per Hour) | | |
| MAX. AMBIENT TEMPERATURE | 40° C | | |
| MAX. ELEVATION | 3300 Ft. Above Sea Level | | |
| TEMPERATURE RISE (At Full Load) | 80° C | | |
| DE BEARING | 6310 | | |
| ODE BEARING | 6310 | | |
| GREASE TYPE | Mobil Polyrex EM | | |
| MOUNTING | F1 | | |
| ROTATION | Bi-Directional | | |
| APPROXIMATE WEIGHT | 528 lbs. | | |
| TEMPERATURE CODE AT 40°C AMBIENT | T3C | | |
| TEMPERATURE CODE AT 55°C AMBIENT | T2C | | |
| AREA CLASSIFICATION | Class I, Division I, Groups C & D | | |
| | Class II, Division I, Groups F & G | | |
| INVERTER RATING | 5:1 CT / 10:1 VT PWM Type | | |





WORLDWIDE ELECTRIC MOTOR DRAWING

IXPEWWE-286TS



| MOUNTING | | | | | A | B | C | D | G | J |
|----------|-----|-----|------|------|------|------|------|---|------|------|
| E | 2F1 | 2F2 | H | BA | | | | | | |
| 5.5 | 9.5 | 11 | 0.53 | 4.75 | 13.7 | 13.7 | 27.2 | 7 | 0.87 | 2.76 |

| | | | | KEY | KEYSEAT | SHAFT | | |
|-------|------|-----|-------|------|---------|-------|------|-------|
| L | P | AA | AB | ES | S | R | N-W | U |
| 17.52 | 15.9 | 1.5 | 14.37 | 1.93 | 0.375 | 1.416 | 3.25 | 1.625 |

ALL DIMENSIONS IN INCHES

REVISED - 09/16/16