



WORLDWIDE ELECTRIC MOTOR DATA SHEET

PEWWE100-12-444T



| | | | |
|-----------------------------------------|-------------------------------------------------------|--------------|-------------|
| HORSEPOWER | 100 | | |
| RPM / POLES | 1200 / 6 | | |
| VOLTAGE / PHASE | 230 / 460 V / 3 | | |
| FRAME | 444T | | |
| ENCLOSURE / DEGREE OF PROTECTION | TEFC / IP55 | | |
| FREQUENCY | 60 HZ Suitable For 50 HZ Operation With 1.0 SF | | |
| FULL LOAD SPEED | 1190 RPM | | |
| SERVICE FACTOR | 1.25 | | |
| INSULATION CLASS | F | | |
| FULL LOAD AMPS; 230 / 460 | 240 / 120 A (Usable On 208V At 265 A) | | |
| LOCKED ROTOR AMPS (STARTING); 230 / 460 | 1450 / 725 A | | |
| NO LOAD CURRENT | 89 / 44.5 A | | |
| NEMA CODE LETTER | G | | |
| EFFICIENCY / POWER FACTOR | <u>LOAD</u> | <u>EFF.</u> | <u>P.F.</u> |
| | 100 % | 95.0% | 0.82 |
| | 75 % | 95.3% | 0.79 |
| | 50 % | 94.9% | 0.70 |
| DUTY CYCLE | S1 / Continuous | | |
| TORQUE | <u>FULL LOAD</u> | <u>LRT</u> | <u>BDT</u> |
| | 441 lb.ft. | 150% | 230% |
| SLIP | 0.83% | | |
| NEMA DESIGN | B | | |
| MOMENT OF INERTIA | 59.1 lb.ft.² | | |
| MAX. TIME LOCKED ROTOR (Hot) | 15 Seconds | | |
| SOUND PRESSURE LEVEL | 74 dB (A) | | |
| MAX. AMBIENT TEMPERATURE | 40° C | | |
| MAX. ELEVATION | 3300 Ft. | | |
| TEMPERATURE RISE (At Full Load) | 80° C | | |
| DE BEARING | NU318 C3 | | |
| ODE BEARING | 6313 C3 | | |
| REGREASING INT. - DE BEARING | 2200 Hours | | |
| REGREASING INT. - ODE BEARING | 4500 Hours | | |
| GREASE TYPE | SKF LGHP 2 | | |
| MOUNTING | F1 (F2 Suitable) | | |
| ROTATION | Bi-Directional | | |
| SHAFT MATERIAL | 1045 Carbon Steel | | |
| INVERTER RATING | 10:1 CT / 20:1 VT PWM Type | | |
| CONNECTION DIAGRAM | 230 / 460 V - 12 Lead Δ | | |
| AREA CLASSIFICATION | Class I, Division 2, Groups A, B, C, D | | |
| APPROXIMATE WEIGHT | 1477 lbs. | | |



CC006A



WORLDWIDE ELECTRIC MOTOR DRAWING

PEWWE-444T



DIMENSIONS - INCHES

| MOUNTING | | | | | A | B | C | D | G | J | P | L | AB |
|----------|-----|------|------|-----|----|------|------|----|------|-----|------|----|----|
| E | 2F1 | 2F2 | H | BA | | | | | | | | | |
| 9 | - | 14.5 | 0.81 | 7.5 | 22 | 18.5 | 41.9 | 11 | 1.38 | 3.4 | 23.5 | 23 | 20 |

| KEY | | KEYSET | SHAFT | | TERMINAL BOX | | | | |
|-------|------|--------|-------|-------|--------------|-----|----|------|-------|
| S | ES | R | N-W | U | AA | XB | XC | XD | XE |
| 0.875 | 6.91 | 2.88 | 8.5 | 3.375 | 2 x 3 | 5.9 | 12 | 11.5 | 14.75 |