



**WORLDWIDE ELECTRIC MOTOR DATA SHEET**

**PEWWE200-36-445/7TS**



|   |   |              |             |
|---|---|--------------|-------------|
| HORSEPOWER                              | <b>200</b>  |              |             |
| RPM / POLES                             | <b>3600 / 2</b>                                       |              |             |
| VOLTAGE / PHASE                         | <b>230 / 460 V / 3</b>                                |              |             |
| FRAME                                   | <b>445/7TS</b>  |              |             |
| ENCLOSURE / DEGREE OF PROTECTION        | <b>TEFC / IP55</b>                                    |              |             |
| FREQUENCY                               | <b>60 HZ Suitable For 50 HZ Operation With 1.0 SF</b> |              |             |
| FULL LOAD SPEED                         | <b>3575 RPM</b>                                       |              |             |
| SERVICE FACTOR                          | <b>1.25</b>   |              |             |
| INSULATION CLASS                        | <b>F</b>  |              |             |
| FULL LOAD AMPS; 230 / 460               | <b>431 / 216 A (Usable On 208V At 477 A)</b>          |              |             |
| LOCKED ROTOR AMPS (STARTING); 230 / 460 | <b>2900 / 1450 A</b>                                  |              |             |
| NO LOAD CURRENT                         | <b>70 / 35 A</b>                                      |              |             |
| NEMA CODE LETTER                        | <b>G</b>  |              |             |
| EFFICIENCY / POWER FACTOR               | <u>LOAD</u>   | <u>EFF.</u>  | <u>P.F.</u> |
|   | <b>100 %</b>  | <b>96.2%</b> | <b>0.91</b> |
|   | <b>75 %</b>   | <b>96.3%</b> | <b>0.91</b> |
|   | <b>50 %</b>   | <b>95.9%</b> | <b>0.88</b> |
| DUTY CYCLE                              | <b>S1 / Continuous</b>                                |              |             |
| TORQUE                                  | <u>FULL LOAD</u>                                      | <u>LRT</u>   | <u>BDT</u>  |
|   | <b>294 lb.ft.</b>                                     | <b>160%</b>  | <b>230%</b> |
| SLIP                                    | <b>0.69 %</b>   |              |             |
| NEMA DESIGN                             | <b>B</b>  |              |             |
| MOMENT OF INERTIA                       | <b>32.7 lb.ft.<sup>2</sup></b>                        |              |             |
| MAX. TIME LOCKED ROTOR (Hot)            | <b>19 Seconds</b>                                     |              |             |
| SOUND PRESSURE LEVEL                    | <b>87 dB (A)</b>                                      |              |             |
| MAX. AMBIENT TEMPERATURE                | <b>40° C</b>  |              |             |
| MAX. ELEVATION                          | <b>3300 Ft.</b>                                       |              |             |
| TEMPERATURE RISE (At Full Load)         | <b>80° C</b>  |              |             |
| DE BEARING                              | <b>6313 C3</b>  |              |             |
| ODE BEARING                             | <b>6313 C3</b>  |              |             |
| REGREASING INT. - DE BEARING            | <b>1800 Hours</b>                                     |              |             |
| REGREASING INT. - ODE BEARING           | <b>1800 Hours</b>                                     |              |             |
| GREASE TYPE                             | <b>SKF LGHP 2</b>                                     |              |             |
| MOUNTING                                | <b>F1 (F2 Suitable)</b>                               |              |             |
| ROTATION                                | <b>Bi-Directional</b>                                 |              |             |
| SHAFT MATERIAL                          | <b>1045 Carbon Steel</b>                              |              |             |
| INVERTER RATING                         | <b>10:1 CT / 20:1 VT PWM Type</b>                     |              |             |
| CONNECTION DIAGRAM                      | <b>230 / 460 V - 12 Lead Δ</b>                        |              |             |
| AREA CLASSIFICATION                     | <b>Class I, Division 2, Groups A, B, C, D</b>         |              |             |
| APPROXIMATE WEIGHT                      | <b>1797 lbs.</b>                                      |              |             |



**CC006A**





# WORLDWIDE ELECTRIC MOTOR DRAWING

## PEWWE-445/7TS



**DIMENSIONS - INCHES**

| MOUNTING |      |     |      |     | A  | B  | C    | D  | G    | J   | P    | L  | AB |
|----------|------|-----|------|-----|----|----|------|----|------|-----|------|----|----|
| E        | 2F1  | 2F2 | H    | BA  |    |    |      |    |      |     |      |    |    |
| 9        | 16.5 | 20  | 0.81 | 7.5 | 22 | 24 | 43.8 | 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   |
| 0.625 | 3.03 | 2.021  | 4.75  | 2.375 | 2 x 3        | 5.9 | 12 | 11.5 | 17.5 |