



# WORLDWIDE ELECTRIC MOTOR DATA SHEET

## PEWWE75-9-444T



|   |  |             |             |
|---|--|-------------|-------------|
| HORSEPOWER                              | 75   |             |             |
| RPM / POLES                             | 900 / 8  |             |             |
| 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                         | 890 RPM  |             |             |
| SERVICE FACTOR                          | 1.15   |             |             |
| INSULATION CLASS                        | F  |             |             |
| FULL LOAD AMPS; 230 / 460               | 203 / 101 A (Usable On 208V At 224 A)          |             |             |
| LOCKED ROTOR AMPS (STARTING); 230 / 460 | 1085 / 542.5 A                                 |             |             |
| NO LOAD CURRENT                         | 95 / 47.5 A                                    |             |             |
| NEMA CODE LETTER                        | G  |             |             |
| EFFICIENCY / POWER FACTOR               | <u>LOAD</u>                                    | <u>EFF.</u> | <u>P.F.</u> |
|   | 100 %  | 93.6%       | 0.74        |
|   | 75 %   | 93.9%       | 0.69        |
|   | 50 %   | 93.3%       | 0.58        |
| DUTY CYCLE                              | S1 / Continuous                                |             |             |
| TORQUE                                  | <u>FULL LOAD</u>                               | <u>LRT</u>  | <u>BDT</u>  |
|   | 442 lb.ft.                                     | 140 %       | 200 %       |
| SLIP                                    | 1.10 %   |             |             |
| NEMA DESIGN                             | B  |             |             |
| MOMENT OF INERTIA                       | 48.9 lb.ft. <sup>2</sup>                       |             |             |
| MAX. TIME LOCKED ROTOR (Hot)            | 14 Seconds                                     |             |             |
| SOUND PRESSURE LEVEL                    | 73 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            | 2500 Hours                                     |             |             |
| REGREASING INT. - ODE BEARING           | 4200 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                      | 1316 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 |