



WORLDWIDE ELECTRIC MOTOR DATA SHEET

**PEWWE3-9-215T**



|   |  |             |             |
|---|--|-------------|-------------|
| HORSEPOWER                              | 3  |             |             |
| RPM / POLES                             | 900 / 8  |             |             |
| VOLTAGE / PHASE                         | 230 / 460 V / 3                                |             |             |
| FRAME                                   | 215T   |             |             |
| ENCLOSURE / DEGREE OF PROTECTION        | TEFC / IP55                                    |             |             |
| FREQUENCY                               | 60 HZ Suitable For 50 HZ Operation With 1.0 SF |             |             |
| FULL LOAD SPEED                         | 870 RPM  |             |             |
| SERVICE FACTOR                          | 1.15   |             |             |
| INSULATION CLASS                        | F  |             |             |
| FULL LOAD AMPS; 230 / 460               | 9.66 / 4.83 A (Usable On 208V At 10.7 A)       |             |             |
| LOCKED ROTOR AMPS (STARTING); 230 / 460 | 64 / 32 A                                      |             |             |
| NO LOAD CURRENT                         | 6.9 / 3.4 A                                    |             |             |
| NEMA CODE LETTER                        | K  |             |             |
| EFFICIENCY / POWER FACTOR               | <u>LOAD</u>                                    | <u>EFF.</u> | <u>P.F.</u> |
|   | 100 %  | 85.5%       | 0.68        |
|   | 75 %   | 85.4%       | 0.58        |
|   | 50 %   | 83.0%       | 0.45        |
| DUTY CYCLE                              | S1 / Continuous                                |             |             |
| TORQUE                                  | <u>FULL LOAD</u>                               | <u>LRT</u>  | <u>BDT</u>  |
|   | 18.1 lb.ft.                                    | 210%        | 280%        |
| SLIP                                    | 3.33 %   |             |             |
| NEMA DESIGN                             | B  |             |             |
| MOMENT OF INERTIA                       | 0.815 lb.ft. <sup>2</sup>                      |             |             |
| MAX. TIME LOCKED ROTOR (Hot)            | 10 Seconds                                     |             |             |
| SOUND PRESSURE LEVEL                    | 62 dB (A)                                      |             |             |
| MAX. AMBIENT TEMPERATURE                | 40° C  |             |             |
| MAX. ELEVATION                          | 3300 Ft.                                       |             |             |
| TEMPERATURE RISE (At Full Load)         | 80° C  |             |             |
| DE BEARING                              | 6308ZZ C3                                      |             |             |
| ODE BEARING                             | 6207ZZ C3                                      |             |             |
| REGREASING INT. - DE BEARING            | ---  |             |             |
| REGREASING INT. - ODE BEARING           | ---  |             |             |
| GREASE TYPE                             | SKF LGHP 2                                     |             |             |
| MOUNTING                                | F1   |             |             |
| ROTATION                                | Bi-Directional                                 |             |             |
| SHAFT MATERIAL                          | 1045 Carbon Steel                              |             |             |
| INVERTER RATING                         | 10:1 CT / 20:1 VT PWM Type                     |             |             |
| CONNECTION DIAGRAM                      | 230 / 460 V - 9 Lead Y                         |             |             |
| AREA CLASSIFICATION                     | Class I, Division 2, Groups A, B, C, D         |             |             |
| APPROXIMATE WEIGHT                      | 154 lbs.                                       |             |             |



CC006A



# WORLDWIDE ELECTRIC MOTOR DRAWING

## PEWWE-215T



**DIMENSIONS - INCHES**

| MOUNTING |     |     |      |     | A    | B    | C  | D    | G    | J   | P    | L    | AB  |
|----------|-----|-----|------|-----|------|------|----|------|------|-----|------|------|-----|
| E        | 2F1 | 2F2 | H    | BA  |      |      |    |      |      |     |      |      |     |
| 4.25     | 5.5 | 7   | 0.41 | 3.5 | 10.5 | 10.5 | 21 | 5.25 | 0.71 | 2.4 | 10.4 | 10.6 | 8.5 |

| KEY   |      | KEYSET | SHAFT |       | TERMINAL BOX |     |     |     |      |
|-------|------|--------|-------|-------|--------------|-----|-----|-----|------|
| S     | ES   | R      | N-W   | U     | AA           | XB  | XC  | XD  | XE   |
| 0.312 | 2.41 | 1.201  | 3.38  | 1.375 | 1            | 3.3 | 5.1 | 4.6 | 7.75 |