

## XP1272

### General Purpose Explosion Proof Motor

Class I, Division I, Groups C & D and Class II, Division I, Groups E, F and G - Operating Temperature Code: T3C



#### DIMENSIONS – INCHES

|      |       |       |      |       |      |      |      |      |     |       |
|------|-------|-------|------|-------|------|------|------|------|-----|-------|
| A    | B     | C     | D    | E     | 2F1  | 2F2  | G    | H    | J   | O     |
| 12.5 | 12.5  | 26.2  | 6.25 | 5.0   | 8.25 | 10   | 0.9  | 0.5  | 2.8 | 13.4  |
| P    | R     | S     | T    | U     | ES   | AA   | AB   | BA   | N-W | Mount |
| 14.1 | 1.416 | 0.375 | 2.4  | 1.625 | 2.91 | 1.25 | 13.6 | 4.25 | 4   | F1    |

#### PERFORMANCE DATA

Three Phase – 60Hz - 208-230/460V – NEMA Design B – Max. Ambient: 40° C

| HP           | Speed | Frame      | NEMA Code   | Efficiency (%)   |                |                | Power Factor |       |       | Torque (ft-lb) |      |      |
|--------------|-------|------------|-------------|------------------|----------------|----------------|--------------|-------|-------|----------------|------|------|
|              |       |            |             | 100%             | 75%            | 50%            | 100%         | 75%   | 50%   | FLT            | BDT  | LRT  |
| 7.5          | 1180  | 254T       | H           | 89.5             | 90.3           | 89.6           | 0.812        | 0.764 | 0.648 | 33.38          | 70.6 | 52.1 |
| Amps ( 460V) |       | DE Bearing | ODE Bearing | Insulation Class | Enclosure Type | Service Factor | Weight (lbs) |       |       |                |      |      |
| FLA          | LRA   |            |             |                  |                |                |              |       |       |                |      |      |
| 9.5          | 63    | 6309       | 6309        | F                | TEFC           | 1.15           | 353          |       |       |                |      |      |



North American Electric, Inc. 350 Vaiden Drive, Hernando, MS 38632

Toll Free: 1-800-884-0405 Phone: 662-429-8049 Fax: 662-429-8546

[www.naemotors.com](http://www.naemotors.com)



**50Hz AND 60Hz DATA FOR 3 PHASE AC INDUCTION MOTOR AS IT APPEARS ON THE NAMEPLATE.**

## **XP1272**

|   |                       |              |         |                       |         |                         |               |
|---|-----------------------|--------------|---------|-----------------------|---------|-------------------------|---------------|
| CAT. NO: XP1272   |                       | FRAME: 254T  |         | ENCL: TEFC            |         | PHASE: 3                |               |
| SHAFT END BRG: 6309   |                       |              |         | OPP/END BRG: 6309     |         |                         |               |
| MAX. AMB: 40° C   |                       | INS CLASS: F |         | RATING: CONT.         |         | MOTOR WEIGHT:<br>353LBS |               |
| USABLE ON 208V 60HZ AT: 21.0 MAX. AMPS                      |                       |              |         |                       |         | SER:                    |               |
| DIVISION I, CLASS I, GROUPS C & D CLASS II, GROUPS E, F & G |                       |              |         |                       |         | OP TEMP CODE: T3C       |               |
| 60 HERTZ DATA   | HP: 7.5 RPM: 1180     |              |         | HP: 7.5 RPM: 970      |         |                         | 50 HERTZ DATA |
|   | VOLTAGE: 230/460V     |              |         | VOLTAGE: 190/380V     |         |                         |               |
|   | F. L. AMPS: 19.0/9.5  |              |         | F. L. AMPS: 22.4/11.2 |         |                         |               |
|   | S.F. AMPS: 21.9/10.9  |              |         | S.F. AMPS: 22.4/11.2  |         |                         |               |
|   | S.F. 1.15             | DESIGN: B    | CODE: H | S.F. 1.0              | DESIGN: | CODE: J                 |               |
|   | NEMA NOM. EFF: 89.5%  |              |         | NEMA NOM. EFF: 87.5%  |         |                         |               |
|   | NOM. P. F.: 0.812     |              |         | NOM. P. F.: 0.853     |         |                         |               |
|   | NEMA MIN. EFF.: 87.5% |              |         | NEMA MIN. EFF.: 85.5% |         |                         |               |
|   | MAX. KVAR: 3.78       |              |         | MAX. KVAR: 2.76       |         |                         |               |

Note: F.L. = Full Load      P.F. = Power Factor      S.F. = Service Factor



North American Electric, Inc. 350 Vaiden Drive, Hernando, MS 38632

Toll Free: 1-800-884-0405 Phone: 662-429-8049 Fax: 662-429-8546

[www.naemotors.com](http://www.naemotors.com)