

# XP1250

## 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     |
|------|-------|-------|-----|-------|-------|-------|------|------|------|-------|
| 18   | 16.2  | 35.5  | 9   | 7.0   | 11.25 | 12.25 | 1.1  | 0.7  | 3    | 19    |
| P    | R     | S     | T   | U     | ES    | AA    | AB   | BA   | N-W  | Mount |
| 19.5 | 2.021 | 0.625 | 2.5 | 2.375 | 4.28  | 3     | 16.5 | 5.88 | 5.88 | 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 |
| 50           | 1185  | 365T       | G           | 93.0             | 93.9           | 93.7           | 0.876        | 0.857 | 0.785 | 221.6          | 456 | 312 |
| Amps ( 460V) |       | DE Bearing | ODE Bearing | Insulation Class | Enclosure Type | Service Factor | Weight (lbs) |       |       |                |     |     |
| FLA          | LRA   |            |             |                  |                |                |              |       |       |                |     |     |
| 57.0         | 362   | 6313       | 6313        | F                | TEFC           | 1.15           | 985          |       |       |                |     |     |



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

## **XP1250**

|   |                        |              |         |                        |         |                         |               |
|---|------------------------|--------------|---------|------------------------|---------|-------------------------|---------------|
| CAT. NO: XP1250   |                        | FRAME: 365T  |         | ENCL: TEFC             |         | PHASE: 3                |               |
| SHAFT END BRG: 6313   |                        |              |         | OPP/END BRG: 6313      |         |                         |               |
| MAX. AMB: 40° C   |                        | INS CLASS: F |         | RATING: CONT.          |         | MOTOR WEIGHT:<br>985LBS |               |
| USABLE ON 208V 60HZ AT: 126.1 MAX. AMPS                     |                        |              |         |                        |         | SER:                    |               |
| DIVISION I, CLASS I, GROUPS C & D CLASS II, GROUPS E, F & G |                        |              |         |                        |         | OP TEMP CODE: T3C       |               |
| 60 HERTZ DATA   | HP: 50 RPM: 1185       |              |         | HP: 50 RPM: 980        |         |                         | 50 HERTZ DATA |
|   | VOLTAGE: 230/460V      |              |         | VOLTAGE: 190/380V      |         |                         |               |
|   | F. L. AMPS: 114.0/57.0 |              |         | F. L. AMPS: 139.2/69.6 |         |                         |               |
|   | S.F. AMPS: 131.4/65.7  |              |         | S.F. AMPS: 139.2/69.6  |         |                         |               |
|   | S.F. 1.15              | DESIGN: B    | CODE: G | S.F. 1.0               | DESIGN: | CODE: H                 |               |
|   | NEMA NOM. EFF: 93.0%   |              |         | NEMA NOM. EFF: 91.7%   |         |                         |               |
|   | NOM. P. F.: 0.876      |              |         | NOM. P. F.: 0.881      |         |                         |               |
|   | NEMA MIN. EFF.: 91.7%  |              |         | NEMA MIN. EFF.: 90.2%  |         |                         |               |
|   | MAX. KVAR: 15.0        |              |         | MAX. KVAR: 11.1        |         |                         |               |

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



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