



## PE405T-60-8C

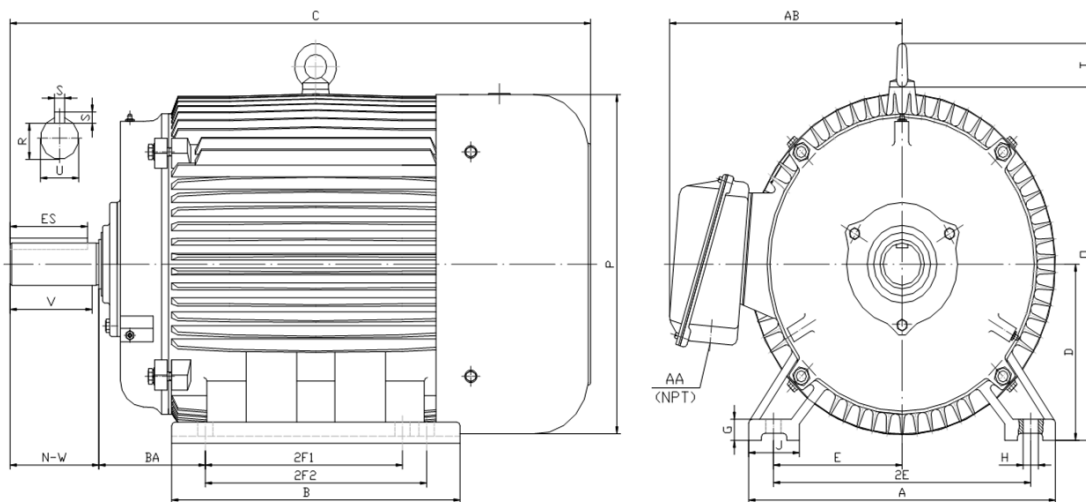
CRUSHER DUTY ELECTRIC MOTOR

NEMA PREMIUM EFFICIENCY

TOTALLY ENCLOSED FAN COOLED

INVERTER DUTY 10:1 CT; 20:1 VT - NEMA MG1 PART 31

Factory Certified for T2B Class I, Division II, Groups A,B,C & D and Class II, Division II, Groups F & G



### DIMENSIONS

| HP | RPM | Frame | MOUNTING |       |       |       |      |      |      |      |       |       |       |       |       |      |      |
|----|-----|-------|----------|-------|-------|-------|------|------|------|------|-------|-------|-------|-------|-------|------|------|
|    |     |       | A        | B     | C     | D     | G    | H    | J    | E    | 2E    | 2F1   | 2F2   | O     | P     | T    | BA   |
| 60 | 900 | 405T  | 19.30    | 17.90 | 38.00 | 10.00 | 1.18 | 0.81 | 3.15 | 8.00 | 16.00 | 12.25 | 13.75 | 19.80 | 19.10 | 2.60 | 6.62 |

| Shaft Extension, Key Set |      |       |       |      |      | Conduit Box |       | Bearings |      | Mount |
|--------------------------|------|-------|-------|------|------|-------------|-------|----------|------|-------|
| U                        | V    | R     | S     | ES   | N-W  | AA          | AB    | DE       | ODE  |       |
| 2.875                    | 7.00 | 2.450 | 0.750 | 5.65 | 7.25 | 3.00        | 15.60 | NU315    | 6314 | F1    |

**BEARING LUBRICATION:** The bearings come lubricated with Mobil Polyrex EM Polyurea Grease. It is recommended that you add some additional lubrication when the motor is installed.

Three options (brands) for suitable lubrication include, but are not limited to, the following:

- 1.) Mobil Polyrex EM
- 2.) Citco Polyurea MP
- 3.) Conoco Phillips Polytac EP





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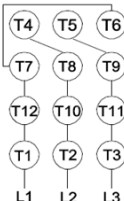
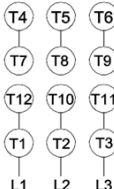
### PERFORMANCE DATA

| HP | RPM | Frame | Voltage     | Frequency (Hz) | Full Load S.F. | Insulation Class | NEMA Design | Slip (%) | NEMA Code | Enclosure Type | IP Rating | Max. Ambient |
|----|-----|-------|-------------|----------------|----------------|------------------|-------------|----------|-----------|----------------|-----------|--------------|
| 60 | 885 | 405T  | 208-230/460 | 60             | 1.15           | F                | C           | 1.7      | G         | TEFC           | 55        | 40° C        |

| Amps (460V) |     | Efficiency (%) |      |      |      | Power Factor |       |       | Torque (ft-lb) |       |       | DE Bearing | ODE Bearing | Connection   | Weight (lbs.) |
|-------------|-----|----------------|------|------|------|--------------|-------|-------|----------------|-------|-------|------------|-------------|--------------|---------------|
| FLA         | LRA | 100%           | 75%  | 50%  | Min. | 100%         | 75%   | 50%   | FLT            | LRT % | BDT % | NU315      | 6314        | 12 Lead 2Δ/Δ | 990           |
| 76.0        | 435 | 92.4           | 92.4 | 91.5 | 91.0 | 0.800        | 0.700 | 0.570 | 358.0          | 200   | 245   |            |             |              |               |

### NAME PLATE

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                |  |            |  |              |  |             |  |                                                                                                                                                         |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------|--|------------|--|--------------|--|-------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <div><div>North American Electric, Inc.</div></div> <div></div> <div>INVERTER DUTY 20:1 VT; 10:1 CT</div>                                                                                                                                                                                |  |                |  |            |  |              |  |             |  | <div>CONNECTION<br/>DIAGRAMS</div> <div>208-230V</div> <div></div> |  |
| CAT NO:                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | PE405T-60-8C   |  | FRAME      |  | 405T         |  | PHASE       |  | 3                                                                                                                                                       |  |
| HZ 60                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | S.F. 1.15      |  | HZ 50      |  | S.F. 1.0     |  | ENCL TEFC   |  | IP 55                                                                                                                                                   |  |
| HP 60                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | RPM 885        |  | HP 60      |  | RPM 740      |  | DUTY CONT   |  | DES C                                                                                                                                                   |  |
| VOLTS                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | 208-230/460    |  | VOLTS      |  | 190/380      |  | AMB 40° C   |  | INS F                                                                                                                                                   |  |
| FLA                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | 160 - 152 / 76 |  | FLA        |  | 181/90.5     |  | DE BEARING  |  | NU315                                                                                                                                                   |  |
| CODE G                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | P.F. 0.80      |  | CODE F     |  | P.F. 0.82    |  | ODE BEARING |  | 6314                                                                                                                                                    |  |
| EFF 92.4                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | MIN 91.0       |  | EFF 90.4   |  | MIN 89       |  | LUB:        |  | Mobil Polyrex EM                                                                                                                                        |  |
| MOTOR WEIGHT                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | 990 LBS        |  | CONNECTION |  | 12 Lead 2Δ/Δ |  | SER NO      |  |                                                                                                                                                         |  |
| <div>General purpose use on industrial machinery installed in damp, dusty or dirty environments.</div> <div><div></div><div></div><div></div><div>CC 082A</div></div> <div>Hernando, Mississippi</div> |  |                |  |            |  |              |  |             |  |                                                                                                                                                         |  |
| <div>460V</div> <div></div>                                                                                                                                                                                                                                                                                                                                                |  |                |  |            |  |              |  |             |  |                                                                                                                                                         |  |

### APPLICATIONS:

General purpose use on pumps, fans, blowers, compressors, conveyors, material handling and other industrial machinery installed in damp, dusty or dirty environments.