

## PR256T20M4A-ODP

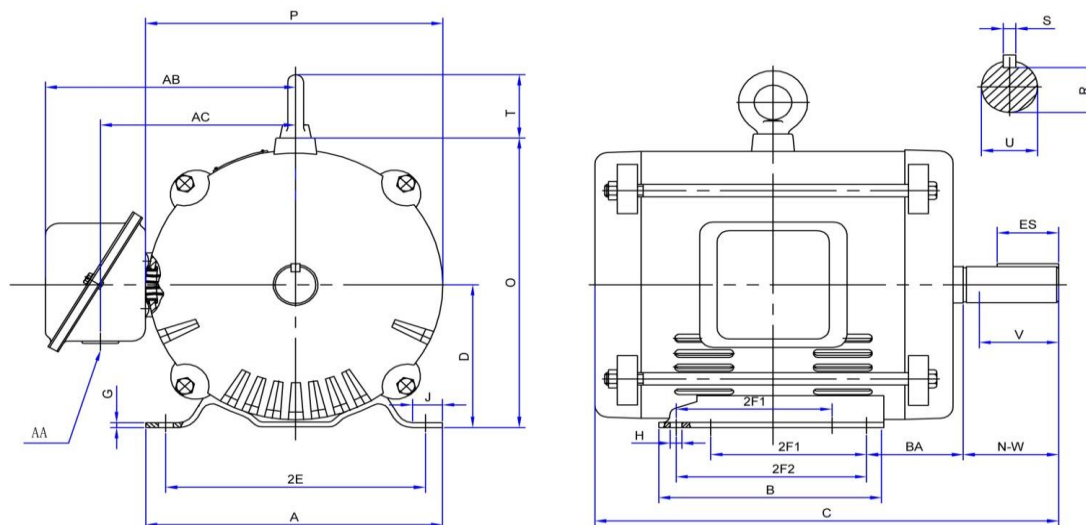
GENERAL PURPOSE ELECTRIC MOTOR

HIGH EFFICIENCY / EISA COMPLIANT

OPEN DRIP PROOF ENCLOSURE

ROLLED STEEL CONSTRUCTION

INVERTER RATED (10:1 VT; 5:1 CT)



### DIMENSIONS

| HP | RPM  | Frame | MOUNTING |       |       |      |      |      |      |      |       |      |       |       |       |    |      |
|----|------|-------|----------|-------|-------|------|------|------|------|------|-------|------|-------|-------|-------|----|------|
|    |      |       | A        | B     | C     | D    | G    | H    | J    | E    | 2E    | 2F1  | 2F2   | O     | P     | T  | BA   |
| 20 | 1800 | 256T  | 11.30    | 11.30 | 20.67 | 6.25 | 0.20 | 0.55 | 1.38 | 5.00 | 10.00 | 8.26 | 10.00 | 12.00 | 11.40 | NA | 4.25 |

| Shaft Extension, Key Set |      |       |       |      |      | Conduit Box |      | Bearings   |            | Mount |
|--------------------------|------|-------|-------|------|------|-------------|------|------------|------------|-------|
| U                        | V    | R     | S     | ES   | N-W  | AA          | AB   | DE         | ODE        |       |
| 1.625                    | 3.70 | 1.416 | 0.375 | 2.91 | 4.00 | 1.38        | 9.60 | 6309-2RZC3 | 6208-2RZC3 | 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 |
|----|------|-------|-------------|----------------|----------------|------------------|-------------|----------|-----------|----------------|-----------|--------------|
| 20 | 1750 | 256T  | 208-230/460 | 60             | 1.15           | F                | B           | 2.8      | G         | ODP            | IP23      | 40°C         |

| Amps (460V) |     | Efficiency (%) |      |      | Power Factor |      |      | Torque (ft-lb) |       |       | DE Bearing | ODE Bearing | Connection  | Weight (lbs.) |
|-------------|-----|----------------|------|------|--------------|------|------|----------------|-------|-------|------------|-------------|-------------|---------------|
| FLA         | LRA | 100%           | 75%  | 50%  | 100%         | 75%  | 50%  | FLT            | LRT % | BDT % | 6309-2RZC3 | 6208-2RZC3  | 9 Lead 2Y/Y | 230           |
| 26          | 174 | 93.0           | 93.1 | 92.7 | 0.78         | 0.82 | 0.74 | 59.57          | 225   | 222   |            |             |             |               |

| NAME PLATE                                                               |                |          |                                                                                                                                                                                  |      |       |        |      |
|--------------------------------------------------------------------------|----------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|--------|------|
|                                                                          |                |          | <b>GENERAL PURPOSE</b><br><br><b>HIGH EFFICIENCY DESIGN</b><br><br><b>THREE PHASE ELECTRIC MOTOR</b><br><br><b>OPEN DRIP PROOF</b>                                               |      |       |        |      |
| MODEL                                                                    | HP             | 20       | RPM                                                                                                                                                                              | 1750 | FRAME | 256T   |      |
| PR256T20M4A-ODP                                                          | ENCL           | ODP      | HZ                                                                                                                                                                               | 60   | PHASE | 3      |      |
| VOLT                                                                     | 208-230/460    | AMPS     | 57-52/26                                                                                                                                                                         | S.F. | 1.15  | DESIGN | B    |
| S.F. AMPS                                                                | 65.6-59.8/29.9 | CLASS    | B                                                                                                                                                                                | CODE | G     | LBS    | 230  |
| DE BEARING                                                               | 6309-2RZC3     |          | <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>208-230V</p> </div> <div style="text-align: center;"> <p>460V</p> </div> </div> |      |       |        |      |
| ODE BEARING                                                              | 6208-2RZC3     |          |                                                                                                                                                                                  |      |       |        |      |
| RATING                                                                   | CONT           | MAX AMB. |                                                                                                                                                                                  |      |       |        | 40°C |
| SER                                                                      |                |          |                                                                                                                                                                                  |      |       |        |      |
| Hernando, MS<br><a href="http://www.naemotors.com">www.naemotors.com</a> |                |          |                                                                                                                                                                                  |      |       |        |      |

### APPLICATIONS:

General purpose use on pumps, fans, blowers, compressors, conveyors, material handling and other industrial machinery where contaminants are minimal.