

PE215TC-10-4-RB

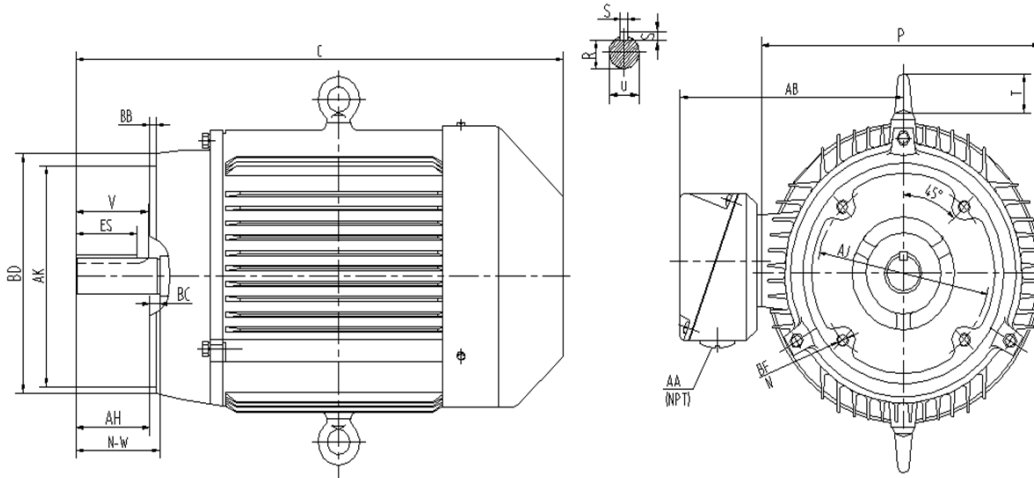
GENERAL PURPOSE ELECTRIC MOTOR

NEMA PREMIUM EFFICIENCY

THREE PHASE, TOTALLY ENCLOSED FAN COOLED - C-FLANGE FOOTLESS

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 | | | | | | | | | |
|----|------|-------|----------|-------|------|-------|------|------|------|------|------|----------|
| | | | C | P | T | AK | AJ | AH | BA | BB | BC | BF |
| 10 | 1770 | 215TC | 20.60 | 11.70 | 1.75 | 8.500 | 7.25 | 3.12 | 3.50 | 0.25 | 0.25 | 4*1/2-13 |

| Shaft Extension, Key Set | | | | | Conduit Box | | Bearings | | Mount |
|--------------------------|-------|-------|------|------|-------------|-------|----------|---------|-------|
| U | R | S | ES | N-W | AA | AB | DE | ODE | |
| 1.375 | 1.201 | 0.312 | 2.41 | 3.38 | 1.00 | 10.80 | 6208-ZZ | 6208-ZZ | F1 |

BEARING LUBRICATION: The bearings come lubricated with Mobile Polyrex EM Polyurea Grease.





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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 |
|----|------|-------|-------------|----------------|----------------|------------------|-------------|----------|-----------|----------------|-----------|--------------|
| 10 | 1750 | 215TC | 208-230/460 | 60 | 1.15 | F | B | 1.1 | H | 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 % | | | | |
| 12.0 | 81.0 | 91.7 | 91.8 | 91.5 | 90.2 | 0.860 | 0.870 | 0.800 | 30.0 | 190 | 250 | 6208-ZZ | 6208-ZZ | 9 Lead 2Y/Y | 196 |

NAME PLATE

| | | | | | | | | | | | | |
|--|-----------|------------------------|---------------|------------------------|-------|-----------|--|-------|--|---|--|--|
| | | | | | | | | | | CONNECTION DIAGRAMS 208 - 230V | | |
| INVERTER DUTY 20:1 VT; 10:1 CT | | | | | | | | | | | | |
| CAT NO: PE215TC-10-4-RB | | | FRAME 215TC | | | PHASE 3 | | | | | | |
| HZ 60 | S.F. 1.15 | HZ 50 | S.F. 1.0 | ENCL TEFC | IP 55 | | | | | | | |
| HP 10 | RPM 1750 | HP 10 | RPM 1460 | DUTY CONT | DES B | | | | | | | |
| VOLTS 208-230/460 | | | VOLTS 190/380 | | | AMB 40° C | | INS F | | | | |
| FLA 26.5 - 24 / 12 | | FLA 29.8/14.9 | | DE BEARING 6208-ZZ | | | | | | | | |
| CODE H | P.F. 0.86 | CODE E | P.F. 0.86 | ODE BEARING 6208-ZZ | | | | | | | | |
| EFF 91.7 | MIN 90.2 | EFF 89.5 | MIN 87.5 | LUB: Mobile Polyrex EM | | | | | | | | |
| MOTOR WEIGHT 196 LBS | | CONNECTION 9 Lead 2Y/Y | | SER NO | | | | | | | | |
| General purpose use on industrial machinery installed in damp, dusty or dirty environments. Hernando, Mississippi | | | | | | | | | | | | |
| | | | | | | | | | | | | |

APPLICATIONS:

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