



PE215JM-10-4

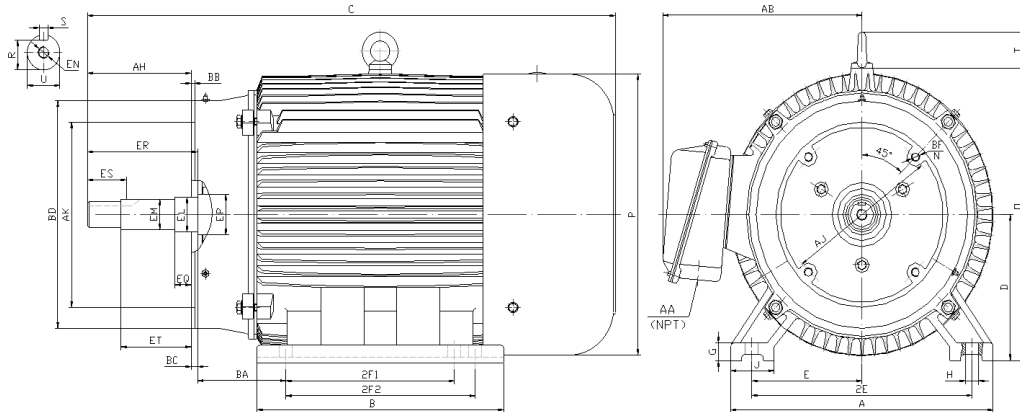
CLOSE COUPLED PUMP MOTORS

NEMA PREMIUM EFFICIENCY

TOTALLY ENCLOSED FAN COOLED, JM FRAME

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 |
| 10 | 1800 | 215JM | 11 | 9.4 | 22.28 | 5.25 | 0.7 | 0.41 | 2.4 | 4.25 | 8.5 | 5.5 | 7 | 10.5 | 10.2 | 1.9 | 4.25 |

| FLANGE | | | | | | | Shaft Extension, Key Set | | | | | | | | | | |
|--------|------|-------|-------|------|----|----------|--------------------------|-------|-------|-------|------|------|-------|------|-------|--------|--------|
| AH | AJ | AK | BB | BC | BD | BF | U | R | S | EQ | ER | ES | ET | EP | EL | EM | EN |
| 4.281 | 7.25 | 8.500 | 0.312 | 0.25 | 9 | 4*1/2-13 | 0.8745 | 0.771 | 0.190 | 0.640 | 4.25 | 1.65 | 2.890 | 1.77 | 1.250 | 1.0000 | 3/8-16 |
| 4.219 | | 8.497 | 0.250 | | | | 0.8740 | 0.756 | 0.188 | 0.610 | | | 2.860 | | 1.248 | 0.9995 | |

| Conduit Box | | Bearings | | Mount |
|-------------|-----|----------|---------|-------|
| AA | AB | DE | ODE | |
| 1 | 8.3 | 6309-ZZ | 6308-ZZ | F1 |

BEARING LUBRICATION: The bearings come lubricated with Mobil 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 | 1770 | 215JM | 230/460 | 60 | 1.15 | F | B | 1.7 | 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% | 100% | 75% | 50% | FLT | LRT % | BDT % | | | | |
| 12 | 81 | 91.7 | 91.8 | 90.0 | 0.81 | 0.77 | 0.67 | 30.02 | 170 | 280 | 6309-ZZ | 6308-ZZ | 9 Lead 2Y/Y | 179 |

*Usable at 208 Volts

NAME PLATE

| | | | | | | | | | | | | |
|--|------------------------|--|-----------|-----------------------|-------|------|----|--------|----|----------------------|--|--|
| | | AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT | | | | | | | | CONNECTION DIAGRAMS | | |
| CAT NO. PE215JM-10-4 | | FRAME 215JM | | PHASE 3 | | 230V | | | | | | |
| HZ 60 | S.F. 1.15 | HZ 50 | S.F. 1.0 | ENCL TEFC | IP 55 | T4 | | T5 | | T6 | | |
| HP 10 | RPM 1770 | HP 10 | RPM 1460 | DUTY CONT | DES B | T7 | | T8 | | T9 | | |
| VOLTS 230/460 | | VOLTS 190/380 | | AMB 40 °C | INS F | T1 | | T2 | | T3 | | |
| AMPS 24/12 | | AMPS 30/15 | | DE BRG 6309-ZZ | | L1 | | L2 | | L3 | | |
| CODE H | P.F. 0.81 | CODE F | P.F. 0.84 | ODE BRG 6308-ZZ | | 460V | | | | | | |
| EFF 91.7 | MIN 90.2 | EFF 89.7 | MIN 88.2 | LUB: Mobil Polyrex EM | | T4 | | T5 | | T6 | | |
| MOTOR WEIGHT 179 LBS | CONNECTION 9 Lead 2Y/Y | | SER NO | | T7 | | T8 | | T9 | | | |
| General purpose use on industrial machinery installed in damp, dusty or dirty environments. Hernando, Mississippi | | | | | | | | CC082A | | T1 T2 T3 L1 L2 L3 | | |

APPLICATIONS:

Specifically designed for use on industrial and commercial pumping units.