



PE213JP-7.5-4

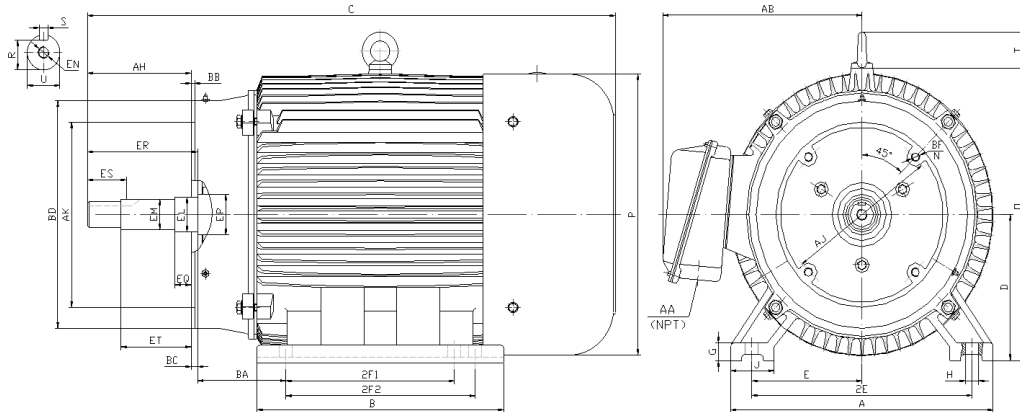
CLOSE COUPLED PUMP MOTORS

NEMA PREMIUM EFFICIENCY

TOTALLY ENCLOSED FAN COOLED, JP 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 |
| 7.5 | 1800 | 213JP | 11 | 7.9 | 24.65 | 5.25 | 0.7 | 0.41 | 2.4 | 4.25 | 8.5 | 5.5 | NA | 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 |
| 8.156 | 7.25 | 8.500 | 0.312 | 0.25 | 9 | 4*1/2-13 | 1.2495 | 1.112 | 0.252 | 2.390 | 8.125 | 2.53 | 5.890 | 1.77 | 1.750 | 1.3750 | 1/2-13 |
| 8.094 | | 8.497 | 0.250 | | | | 1.2490 | 1.097 | 0.250 | 2.360 | | | 5.860 | | 1.748 | 1.3745 | |

| 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 |
|-----|------|-------|-------------|----------------|----------------|------------------|-------------|----------|-----------|----------------|-----------|--------------|
| 7.5 | 1770 | 213JP | 208-230/460 | 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 % | | | | |
| 9.2 | 63 | 91.7 | 91.7 | 90.0 | 0.80 | 0.74 | 0.63 | 22.51 | 180 | 280 | 6309-ZZ | 6308-ZZ | 9 Lead 2Y/Y | 159 |

NAME PLATE

| | | | | | | | | | | | | |
|--|-----|--|------|----------------|--------|-------|------|-----------------------|------|---------------------|----|--|
| | | AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT | | | | | | | | CONNECTION DIAGRAMS | | |
| CAT NO. | | PE213JP-7.5-4 | | | | FRAME | | 213JP | | PHASE 3 | | |
| HZ | 60 | S.F. | 1.15 | HZ | 50 | S.F. | 1.0 | ENCL | TEFC | IP | 55 | |
| HP | 7.5 | RPM | 1770 | HP | 7.5 | RPM | 1465 | DUTY CONT | DES | B | | |
| VOLTS 208-230/460 | | VOLTS 190/380 | | AMB 40 °C | | INS F | | | | | | |
| AMPS 19.8 - 18.4 / 9.2 | | AMPS 23/11.5 | | DE BRG 6309-ZZ | | | | | | | | |
| CODE H | | P.F. | 0.80 | CODE G | | P.F. | 0.83 | ODE BRG 6308-ZZ | | | | |
| EFF 91.7 | | MIN | 90.2 | EFF 89.7 | | MIN | 88.2 | LUB: Mobil Polyrex EM | | | | |
| MOTOR WEIGHT 159 LBS | | CONNECTION 9 Lead 2Y/Y | | | SER NO | | | | | | | |
| General purpose use on industrial machinery installed in damp, dusty or dirty environments. Hernando, Mississippi | | | | | | | | | | CC082A | | |
| | | | | | | | | | | | | |

APPLICATIONS:

Specifically designed for use on industrial and commercial pumping units.