

PE184JM-5-4

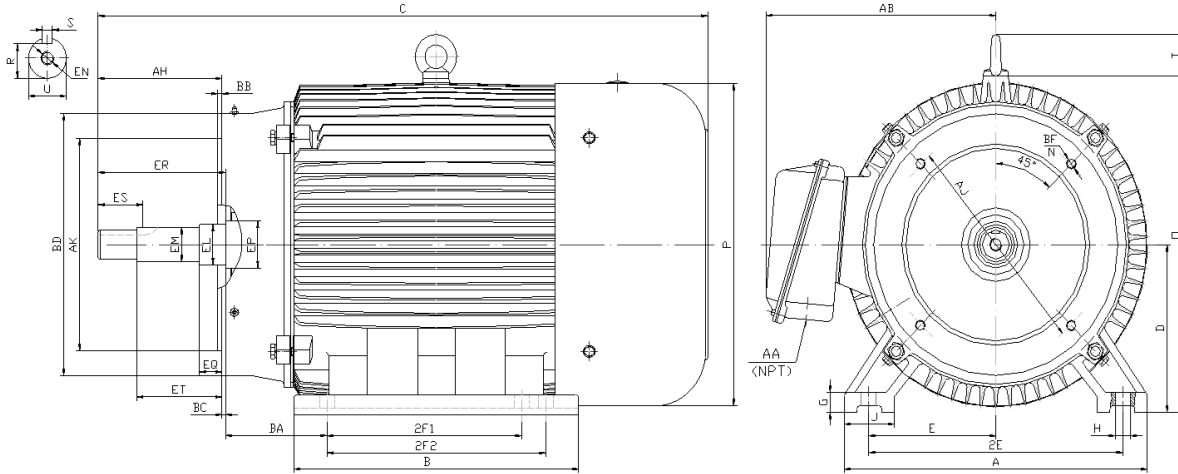
CLOSE COUPLED PUMP MOTORS

NEMA PREMIUM EFFICIENCY

THREE PHASE, 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 |
| 5 | 1800 | 184JM | 9.50 | 8.30 | 19.48 | 4.50 | 0.60 | 0.41 | 2.00 | 3.75 | 7.50 | 4.50 | 5.50 | 9.10 | 8.70 | 1.60 | 3.50 |

| FLANGE | | | | | | | Shaft Extension, Key Set | | | | | | | | | | |
|--------|------|-------|-------|------|------|----------|--------------------------|-------|-------|-------|------|------|-------|------|-------|--------|--------|
| AK | AJ | AH | BB | BC | BD | N*BF | U | R | S | EQ | ER | ES | ET | EP | EL | EM | EN |
| 4.500 | 5.88 | 4.281 | 0.156 | 0.12 | 6.62 | 4*3/8-16 | 0.8745 | 0.771 | 0.190 | 0.640 | 4.25 | 1.65 | 2.890 | 1.57 | 1.250 | 1.0000 | 3/8-16 |
| 4.497 | | 4.219 | 0.125 | | | | 0.8740 | 0.756 | 0.188 | 0.610 | | | 2.860 | | 1.248 | 0.9995 | |

| Conduit Box | | Bearings | | Mount |
|-------------|------|----------|---------|-------|
| AA | AB | DE | ODE | |
| 0.75 | 7.50 | 6208-ZZ | 6306-ZZ | |

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 |
|----|------|-------|-------------|----------------|----------------|------------------|-------------|----------|-----------|----------------|-----------|--------------|
| 5 | 1755 | 184JM | 208-230/460 | 60 | 1.15 | F | B | 2.5 | J | 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 % | | | | |
| 6.8 | 46.0 | 89.5 | 89.8 | 89.0 | 87.5 | 0.780 | 0.740 | 0.620 | 15.0 | 185 | 280 | 6208-ZZ | 6306-ZZ | 9 Lead 2Y/Y | 96 |

NAME PLATE

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|-----------------|--|-------------|--|-------|--|------------|--|---------------------------------|--|-------------|---|-----------------|--|-----------------------|-----|-------|------|---------|------|---|----|
| | | | | | | | | | | | | | CONNECTION DIAGRAMS 208-230V | | | | | | | | | | |
| INVERTER DUTY 20:1 VT; 10:1 CT | | | | | | | | | | CLOSE COUPLED PUMP MOTOR | | | | | | | | | | | | | |
| CAT NO: | | PE184JM-5-4 | | | | FRAME | | 184JM | | PHASE | | 3 | | 460V | | | | | | | | | |
| HZ | | 60 | | S.F. | | 1.15 | | HZ | | 50 | | S.F. | | | | | 1.0 | | ENCL | | TEFC | | IP |
| HP | | 5 | | RPM | | 1755 | | HP | | 5 | | RPM | | 1440 | | DUTY | | CONT | | DES | | B | |
| VOLTS | | | | 208-230/460 | | | | VOLTS | | | | 190/380 | | | | AMB | | 40° C | | INS | | F | |
| FLA | | 14 - 13.6 / 6.8 | | | | FLA | | 15.4/7.7 | | | | DE BEARING | | | | 6208-ZZ | | | | | | | |
| CODE | | J | | P.F. | | 0.78 | | CODE | | H | | P.F. | | 0.84 | | ODE BEARING | | | | 6306-ZZ | | | |
| EFF | | 89.5 | | MIN | | 87.5 | | EFF | | 87.5 | | MIN | | 85.5 | | LUB: Mobil Polyrex EM | | | | | | | |
| MOTOR WEIGHT | | | | 96 | | LBS | | CONNECTION | | | | 9 Lead 2Y/Y | | SER NO | | | | | | | | | |
| Specifically designed for use on industrial and commercial pumping units. Hernando, Mississippi | | | | | | | | | | | | | | | | CC 082A | | | | | | | |

APPLICATIONS:

Specifically designed for use on industrial and commercial pumping units.