

PE364JM-60-4

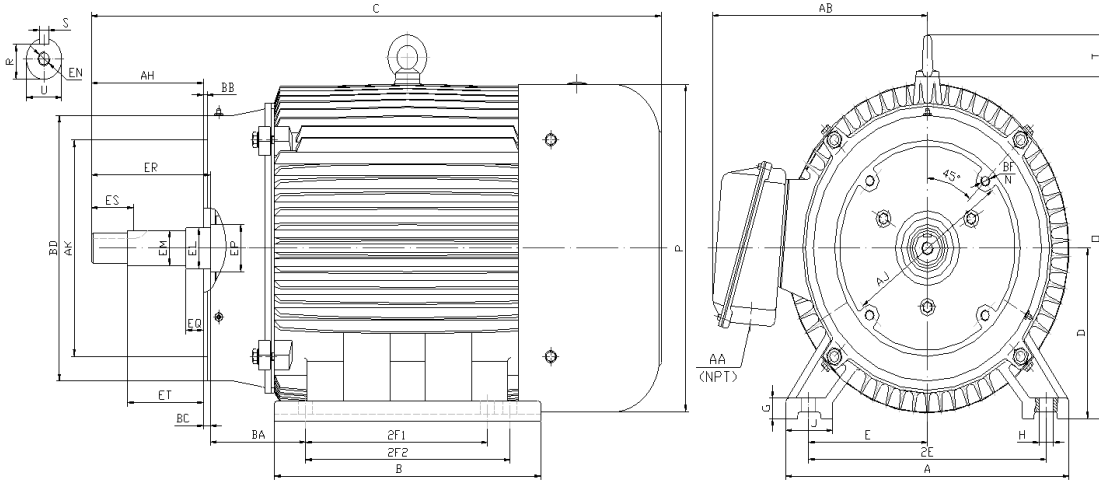
CLOSE COUPLED PUMP MOTORS

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 |
| 60 | 1800 | 364JM | 17.10 | 14.40 | 32.10 | 9.00 | 1.15 | 0.66 | 2.95 | 7.00 | 14.00 | 11.25 | NA | 18.50 | 18.40 | 2.60 | 5.88 |

| FLANGE | | | | | | | | Shaft Extension, Key Set | | | | | | | | | | |
|--------|-------|-------|-------|------|------|----------|--------|--------------------------|-------|-------|------|------|-------|------|-------|--------|--------|--|
| AK | AJ | AH | BB | BC | BD | N*BF | U | R | S | EQ | ER | ES | ET | EP | EL | EM | EN | |
| 12.500 | 11.00 | 5.281 | 0.312 | 0.25 | 14.0 | 8*5/8-11 | 1.2495 | 1.112 | 0.252 | 0.645 | 5.25 | 2.53 | 3.020 | 2.56 | 1.750 | 1.3750 | 1/2-13 | |
| 12.495 | | 5.219 | 0.250 | | | | 1.2490 | 1.097 | 0.250 | 0.605 | | | 2.980 | | 1.748 | 1.3745 | | |

| Conduit Box | | Bearings | | Mount |
|-------------|-------|----------|------|-------|
| AA | AB | DE | ODE | |
| 3.00 | 15.00 | 6313 | 6313 | |

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 |
|----|------|-------|-------------|----------------|----------------|------------------|-------------|----------|-----------|----------------|-----------|--------------|
| 60 | 1780 | 364JM | 208-230/460 | 60 | 1.15 | F | B | 1.1 | G | 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 % | | | | |
| 69.5 | 435.0 | 95.0 | 95.0 | 94.1 | 95.0 | 0.850 | 0.830 | 0.750 | 177.6 | 160 | 240 | 6313 | 6313 | 12 Lead 2Δ/Δ | 788 |

NAME PLATE

| | | | | | | | | | | |
|--|--------------------|---------------------------------|-------------------------|---------------------------------------|---------------|---------------------------------|--|----------------------------|--|--|
| | | | | INVERTER DUTY 20:1 VT; 10:1 CT | | CLOSE COUPLED PUMP MOTOR | | CONNECTION DIAGRAMS | | |
| CAT NO: PE364JM-60-4 | | FRAME: 364JM | | PHASE: 3 | | 208-230V | | | | |
| HZ: 60 | S.F.: 1.15 | HZ: 50 | S.F.: 1.0 | ENCL: TEFC | IP: 55 | 460V | | | | |
| HP: 60 | RPM: 1780 | HP: 60 | RPM: 1480 | DUTY: CONT | DES: B | | | | | |
| VOLTS: 208-230/460 | | VOLTS: 190/380 | | AMB: 40° C | INS: F | | | | | |
| FLA: 154 - 139 / 69.5 | FLA: 168/84 | | DE BEARING: 6313 | | | | | | | |
| CODE: G | P.F.: 0.85 | CODE: F | P.F.: 0.86 | ODE BEARING: 6313 | | | | | | |
| EFF: 95.0 | MIN: 95.0 | EFF: 93.8 | MIN: 92.6 | LUB: Mobil Polyrex EM | | | | | | |
| MOTOR WEIGHT: 788 LBS | | CONNECTION: 12 Lead 2Δ/Δ | | 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.