



PE365T-40-8C

CRUSHER DUTY ELECTRIC MOTOR

NEMA PREMIUM EFFICIENCY

TOTALLY ENCLOSED FAN COOLED

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 |
| 40 | 900 | 365T | 17.1 | 15.4 | 33.5 | 9 | 1.15 | 0.66 | 2.95 | 7 | 14 | 11.25 | 12.25 | 18.1 | 17.6 | 2.6 | 5.88 |

| Shaft Extension, Key Set | | | | | | Conduit Box | | Bearings | | Mount |
|--------------------------|------|-------|-------|------|------|-------------|------|----------|------|-------|
| U | V | R | S | ES | N-W | AA | AB | DE | ODE | |
| 2.375 | 5.62 | 2.021 | 0.625 | 4.28 | 5.88 | 3 | 14.6 | 6313 | 6313 | F1 |

BEARING LUBRICATION: The bearings come lubricated with Mobil Polyrex EM Polyurea Grease. It is recommended that you add some additional lubrication when the motor is installed.

Three options (brands) for suitable lubrication include, but are not limited to, the following:

- 1.) Mobil Polyrex EM
- 2.) Citco Polyurea MP
- 3.) Conoco Phillips Polytac EP





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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 |
|----|-----|-------|-------------|----------------|----------------|------------------|-------------|----------|-----------|----------------|-----------|--------------|
| 40 | 885 | 365T | 208-230/460 | 60 | 1.15 | F | C | 1.7 | 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% | 100% | 75% | 50% | FLT | LRT % | BDT % | | | | |
| 52.5 | 290 | 91.7 | 91.0 | 90.0 | 0.78 | 0.66 | 0.54 | 238 | 200 | 240 | 6313 | 6313 | 12 Lead 2Δ/Δ | 719 |

NAME PLATE

| | | | | | | | | | | | | | |
|---|-----------|--|-----------|-----------------------|-------|---------|--|--------|------------------------------|---------------------|--|--|--|
| | | AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT | | | | | | | | CONNECTION DIAGRAMS | | | |
| CAT NO. PE365T-40-8C | | FRAME 365T | | | | PHASE 3 | | | 208-230V 460V | | | | |
| HZ 60 | S.F. 1.15 | HZ 50 | S.F. 1.0 | ENCL TEFC | IP 55 | | | | | | | | |
| HP 40 | RPM 885 | HP 40 | RPM 740 | DUTY CONT | DES C | | | | | | | | |
| VOLTS 208-230/460 | | VOLTS 190/380 | | AMB 40 °C | INS F | | | | | | | | |
| AMPS 115 - 105 / 52.5 | | AMPS 126/63 | | DE BRG 6313 | | | | | | | | | |
| CODE G | P.F. 0.78 | CODE F | P.F. 0.80 | ODE BRG 6313 | | | | | | | | | |
| EFF 91.7 | MIN 90.2 | EFF 89.7 | MIN 88.2 | LUB: Mobil Polyrex EM | | | | | | | | | |
| MOTOR WEIGHT 719 | LBS | CONNECTION 12 Lead 2Δ/Δ | | SER NO | | | | | | | | | |
| Special purpose use on crushing and pulverizing equipment. Hernando, Mississippi | | | | | | | | CC082A | | | | | |

APPLICATIONS:

Special purpose use on crushing and pulverizing equipment. Other industrial machinery requiring extremely high starting torques and breakdown torques. Suitable for use with variable frequency drives.