



PESS215TC5M-6-RB

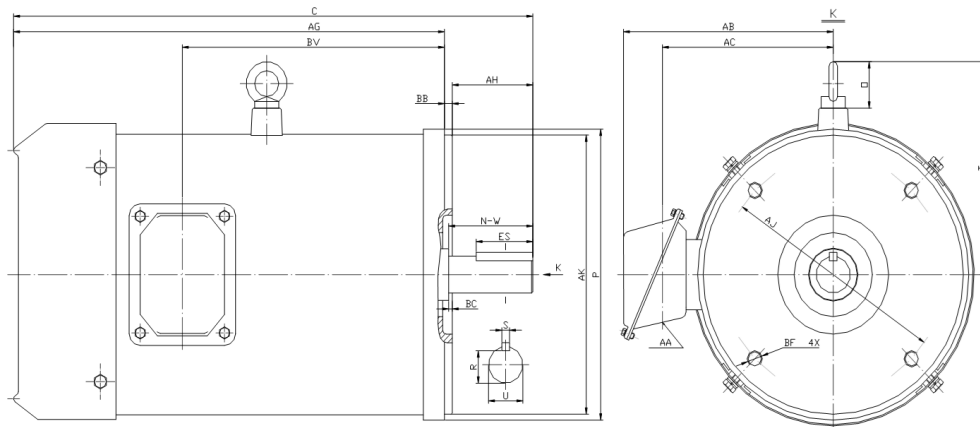
WASHDOWN DUTY MOTOR

NEMA PREMIUM EFFICIENCY

STAINLESS STEEL CONSTRUCTION - ROUND BODY (C-FLANGE FOOTLESS)

TOTALLY ENCLOSED FAN COOLED - IP66 CONSTRUCTION

INVERTER DUTY 10:1 CT; 20:1 VT - NEMA MG1 PART 31



DIMENSIONS

| HP | RPM | Frame | MOUNTING | | | | | | | | | |
|----|------|-------|----------|-------|------|------|-----|-------|----|------|------|----------|
| | | | C | P | AH | AJ | AK | AG | BA | BB | BC | BF |
| 5 | 1200 | 215TC | 21.5 | 10.08 | 3.12 | 7.25 | 8.5 | 18.13 | NA | 0.25 | 0.25 | 4*1/2-13 |

| Shaft Extension, Key Set | | | | | Conduit Box | | | | |
|--------------------------|-------|-------|------|------|-------------|-----|-----|-------|--|
| U | R | S | ES | N-W | AA | AB | AC | BV | |
| 1.375 | 1.201 | 0.312 | 2.41 | 3.38 | 0.94 | 7.7 | 6.2 | 12.15 | |

| Bearings | | Mount |
|----------|----------|-------|
| DE | ODE | |
| 6308-2RS | 6208-2RS | F1 |

BEARING LUBRICATIONS: The sealed bearings come lubricated with NEVASTANE XS 80 Grease which complies with FDA Chapter 21 CFR 178.3570





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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 | 1175 | 215TC | 208-230/460 | 60 | 1.15 | F | B | 2.1 | J | TEFC | 66 | 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 % | | | | |
| 6.8 | 46 | 87.5 | 87.5 | 86.0 | 0.78 | 0.67 | 0.55 | 22.1 | 250 | 270 | 6308-2RS | 6208-2RS | 9 Lead 2Y/Y | 196 |

NAME PLATE

| | | | | | | | | | | | | | |
|--|--|--|--|---------------|--|-----------|--|--------------------|--|-----------|--|-------------------|--|
| | | THREE PHASE AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT | | | | | | Hernando, MS 38632 | | | | | |
| | | Model : PESS215TC5M-6-RB | | | | IP 66 | | FRAME 215TC | | LB/WT 196 | | | |
| HZ 60 | | S.F. 1.15 | | HZ 50 | | S.F. 1.0 | | NEMA DESIGN B | | | | | |
| HP 5 | | RPM 1175 | | HP 5 | | RPM 970 | | ENCL. TEFC | | INS F | | | |
| VOLTS 208-230/460 | | | | VOLTS 190/380 | | | | DUTY CONT | | AMB 40 °C | | | |
| AMPS 14.5 - 13.6 / 6.8 | | | | AMPS 16.6/8.3 | | | | DE BRG 6308-2RS | | | | | |
| CODE J | | P.F. 0.78 | | CODE J | | P.F. 0.80 | | ODE BRG 6208-2RS | | | | | |
| EFF 87.5 | | MIN 85.5 | | EFF 85.5 | | MIN 83.0 | | SER NO. | | | | | |
| <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>208-230V</p> </div> <div style="text-align: center;"> <p>460V</p> </div> </div> | | | | | | | | | | | | CC082A E310089 | |
| MADE IN CHINA | | | | | | | | | | | | | |

Factory Certified for T2B
Div 2. Class I, Gr. A , B , C & D
and Class II, Gr. F & G

APPLICATIONS:

Applications include washdown applications, food processing, chemical processing, pharmaceuticals, poultry processing, meat processing, dairy applications, bakeries, snack foods, bottling and extremely corrosive environments.