



**PES56C1.5M-4-RB**

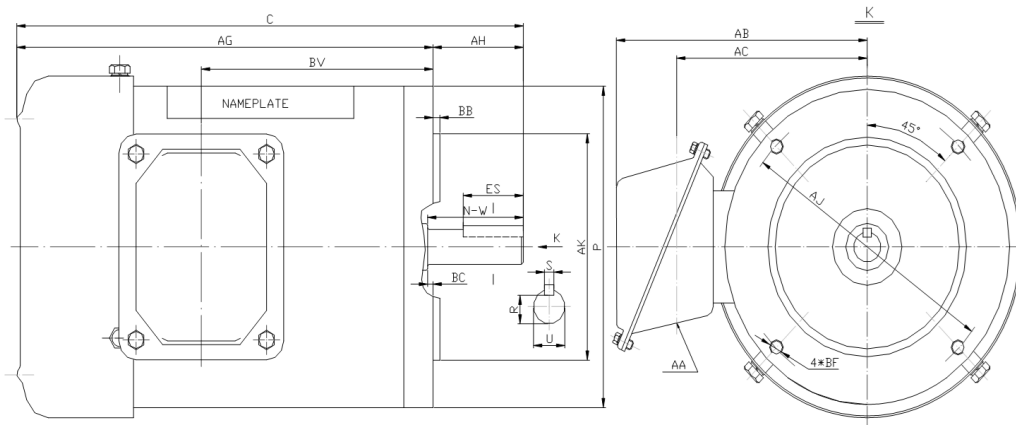
**WASHDOWN DUTY MOTOR**

**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       |
| 1.5 | 1800 | 56C   | 12.57    | 6.5 | 2.06 | 5.875 | 4.5 | 10.51 | NA | 0.16 | -0.19 | 4*3/8-16 |

| Shaft Extension, Key Set |       |       |      |      | Conduit Box |      |      |     |
|--------------------------|-------|-------|------|------|-------------|------|------|-----|
| U                        | R     | S     | ES   | N-W  | AA          | AB   | AC   | BV  |
| 0.625                    | 0.517 | 0.188 | 1.41 | 1.88 | 0.86        | 5.75 | 4.25 | 6.3 |

| Bearings |          | Mount |
|----------|----------|-------|
| DE       | ODE      |       |
| 6205-2RS | 6205-2RS | 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 |
|-----|------|-------|-------------|----------------|----------------|------------------|-------------|----------|-----------|----------------|-----------|--------------|
| 1.5 | 1750 | 56C   | 208-230/460 | 60             | 1.15           | F                | B           | 2.8      | K         | 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 % |            |             |             |               |
| 2.3         | 20  | 86.5           | 83.0 | 79.0 | 0.72         | 0.61 | 0.50 | 4.4            | 285   | 300   | 6205-2RS   | 6205-2RS    | 9 Lead 2Y/Y | 41            |

### NAME PLATE

|  |  |  |  |                  |  |      |  |                    |  |      |  |           |  |          |  |             |  |                         |  |          |  |       |  |
|--|--|--|--|------------------|--|------|--|--------------------|--|------|--|-----------|--|----------|--|-------------|--|-------------------------|--|----------|--|-------|--|
|  |  | <b>THREE PHASE AC INDUCTION MOTOR</b><br><b>INVERTER DUTY 20:1 VT; 10:1 CT</b> |  |                  |  |      |  | Hernando, MS 38632 |  |      |  |           |  |          |  |             |  |                         |  |          |  |       |  |
|  |  | Model :  |  | PESS56C1.5M-4-RB |  |      |  | IP                 |  | 66   |  | FRAME 56C |  | LB/WT 41 |  |             |  |                         |  |          |  |       |  |
| HZ   |  | 60   |  | S.F.             |  | 1.15 |  | HZ                 |  | 50   |  | S.F.      |  | 1.0      |  | NEMA DESIGN |  | B                       |  |          |  |       |  |
| HP   |  | 1.5  |  | RPM              |  | 1750 |  | HP                 |  | 1.5  |  | RPM       |  | 1450     |  | ENCL.       |  | TEFC                    |  | INS      |  | F     |  |
| VOLTS  |  |  |  | 208-230/460      |  |      |  | VOLTS              |  |      |  | 190/380   |  |          |  | DUTY        |  | CONT                    |  | AMB      |  | 40 °C |  |
| AMPS   |  |  |  | 5 - 4.6 / 2.3    |  |      |  | AMPS               |  |      |  | 5.4/2.7   |  |          |  | DE BRG      |  |                         |  | 6205-2RS |  |       |  |
| CODE   |  | K  |  | P.F.             |  | 0.72 |  | CODE               |  | K    |  | P.F.      |  | 0.75     |  | ODE BRG     |  |                         |  | 6205-2RS |  |       |  |
| EFF  |  | 86.5   |  | MIN              |  | 84.0 |  | EFF                |  | 84.0 |  | MIN       |  | 81.5     |  | 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<br>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.