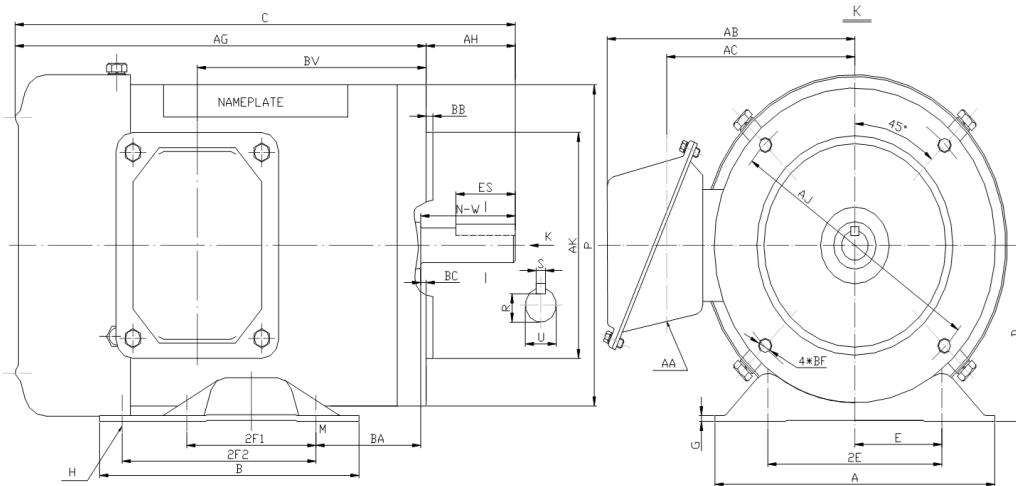


### SS56C1/2M-4

WASHDOWN DUTY MOTOR  
 HIGH EFFICIENCY / EISA COMPLIANT  
 STAINLESS STEEL CONSTRUCTION - C-FLANGE WITH FEET  
 TOTALLY ENCLOSED FAN COOLED - IP66 CONSTRUCTION  
 INVERTER DUTY 10:1 CT; 20:1 VT - NEMA MG1 PART 31



#### DIMENSIONS

| HP  | RPM  | Frame | Mounting |      |       |      |      |           |      |      |      |      |      |       |       |      |
|-----|------|-------|----------|------|-------|------|------|-----------|------|------|------|------|------|-------|-------|------|
|     |      |       | A        | B    | C     | D    | G    | H         | E    | 2E   | 2F1  | 2F2  | P    | AK    | AJ    | AH   |
| 1/2 | 1800 | 56C   | 6.50     | 5.00 | 11.59 | 3.50 | 0.12 | 1.22*0.34 | 2.44 | 4.88 | 3.00 | 0.00 | 6.50 | 4.500 | 5.875 | 2.06 |

| Mounting |      |      |       |          | Shaft Extension, Key Set |       |       |      |      | Conduit Box |      |      |      | Bearings |          | Mount |
|----------|------|------|-------|----------|--------------------------|-------|-------|------|------|-------------|------|------|------|----------|----------|-------|
| AG       | BA   | BB   | BC    | BF       | U                        | R     | S     | ES   | N-W  | AA          | AB   | AC   | BV   | DE       | ODE      |       |
| 9.53     | 2.75 | 0.16 | -0.19 | 4*3/8-16 | 0.625                    | 0.517 | 0.188 | 1.41 | 1.88 | 0.86        | 5.75 | 4.25 | 5.30 | 6205-2RS | 6205-2RS | F1    |

**BEARING LUBRICATION:** The bearings come lubricated with Mobil Polyrex EM Polyurea Grease.





## SS56C1/2M-4

**WASHDOWN DUTY MOTOR**  
**HIGH EFFICIENCY / EISA COMPLIANT**  
**STAINLESS STEEL CONSTRUCTION - C-FLANGE WITH FEET**  
**TOTALLY ENCLOSED FAN COOLED - IP66 CONSTRUCTION**  
**INVERTER DUTY 10:1 CT; 20:1 VT - NEMA MG1 PART 31**

### 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 |
|-----|------|-------|-------------|----------------|----------------|------------------|-------------|----------|-----------|----------------|-----------|--------------|
| 1/2 | 1745 | 56C   | 208-230/460 | 60             | 1.15           | F                | B           | 3.1      | 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%  | Min. | 100%         | 75%  | 50%  | FLT            | LRT % | BDT % |            |             |             |               |
| 0.8         | 10.0 | 82.5           | 77.0 | 72.0 | 80.0 | 0.78         | 0.62 | 0.53 | 1.5            | 285   | 300   | 6205-2RS   | 6205-2RS    | 9 Lead 2Y/Y | 29            |

### NAME PLATE

|   |                 |  |            |             |      |                            |          |             |                  |         |    |  |  |
|---|-----------------|--|------------|-------------|------|----------------------------|----------|-------------|------------------|---------|----|--|--|
|   |                 | <b>WASHDOWN DUTY STAINLESS STEEL MOTOR</b> |            |             |      | <b>CONNECTION DIAGRAMS</b> |          |             |                  |         |    |  |  |
| <b>INVERTER DUTY 20:1 VT; 10:1 CT</b>   |                 | <b>HIGH EFFICIENCY EISA COMPLIANT</b>      |            |             |      | <b>208-230V</b>            |          |             |                  |         |    |  |  |
| CAT NO:   | SS56C1/2M-4     | FRAME                                      | 56C        | PHASE       | 3    |                            |          |             |                  |         |    |  |  |
| HZ  | 60              | S.F.                                       | 1.15       | HZ          | 50   | S.F.                       | 1.0      | ENCL        | TEFC             | IP      | 66 |  |  |
| HP  | 1/2             | RPM  | 1745       | HP          | 1/2  | RPM                        | 1450     | DUTY        | CONT             | DES     | B  |  |  |
| VOLTS   | 208-230/460     |  | VOLTS      | 190/380     |      | AMB                        | 40° C    |             | INS              | F       |    |  |  |
| FLA   | 1.8 - 1.6 / 0.8 |  | FLA        | 1.8/0.9     |      | DE BEARING                 | 6205-2RS |             |                  |         |    |  |  |
| CODE  | K               | P.F.                                       | 0.78       | CODE        | K    | P.F.                       | 0.80     | ODE BEARING | 6205-2RS         |         |    |  |  |
| EFF   | 82.5            | MIN  | 80.0       | EFF         | 80.0 | MIN                        | 77.0     | LUB:        | Mobil Polyrex EM |         |    |  |  |
| MOTOR WEIGHT  | 29              | LBS  | CONNECTION | 9 Lead 2Y/Y |      | SER NO                     |          |             |                  |         |    |  |  |
| Special purpose motor designed for washdown applications and extremely corrosive environments.<br>Hernando, Mississippi |                 |  |            |             |      |                            |          |             |                  | CC 082A |    |  |  |

### APPLICATIONS:

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