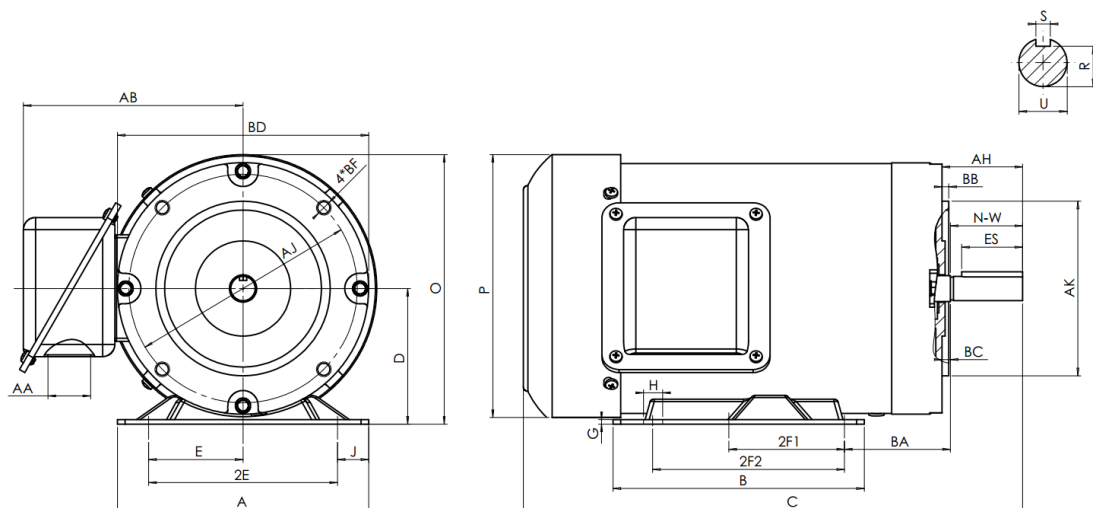


## F56C1/3M2A-575V

GENERAL PURPOSE ELECTRIC MOTOR  
HIGH EFFICIENCY / EISA COMPLIANT  
TOTALLY ENCLOSED FAN COOLED  
ROLLED STEEL CONSTRUCTION  
INVERTER RATED (10:1 VT; 5:1 CT)



### DIMENSIONS

| HP  | RPM  | Frame | MOUNTING |      |       |      |      |      |      |      |      |      |     |      |      |    |      |
|-----|------|-------|----------|------|-------|------|------|------|------|------|------|------|-----|------|------|----|------|
|     |      |       | A        | B    | C     | D    | G    | H    | J    | E    | 2E   | 2F1  | 2F2 | O    | P    | T  | BA   |
| 1/3 | 3600 | 56C   | 6.30     | 4.00 | 10.65 | 3.50 | 0.12 | 0.35 | 0.71 | 2.44 | 4.88 | 3.00 | NA  | 7.00 | 6.82 | NA | 2.75 |

| FLANGE |       |      |      |      |      |           | Shaft Extension, Key Set |    |       |       |      |      |
|--------|-------|------|------|------|------|-----------|--------------------------|----|-------|-------|------|------|
| AH     | AJ    | AK   | BB   | BC   | BD   | BF        | U                        | V  | R     | S     | ES   | N-W  |
| 2.06   | 5.875 | 4.50 | 0.16 | 0.19 | 6.46 | 3/8-16UNC | 0.625                    | NA | 0.517 | 0.188 | 1.41 | 1.88 |

| Conduit Box |      | Bearings   |            | Mount |
|-------------|------|------------|------------|-------|
| AA          | AB   | DE         | ODE        |       |
| 1.10        | 5.75 | 6203-2RZC3 | 6203-2RZC3 | F1    |

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





## F56C1/3M2A-575V

**GENERAL PURPOSE ELECTRIC MOTOR**  
**HIGH EFFICIENCY / EISA COMPLIANT**  
**TOTALLY ENCLOSED FAN COOLED**  
**ROLLED STEEL CONSTRUCTION**  
**INVERTER RATED (10:1 VT; 5:1 CT)**

### 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 |
|-----|------|-------|---------|----------------|----------------|------------------|-------------|----------|-----------|----------------|-----------|--------------|
| 1/3 | 3470 | 56C   | 575     | 60             | 1.15           | F                | B           | 3.611    | J         | TEFC           | 55        | 40°C         |

| Amps (575V) |      | Efficiency (%) |      |      | Power Factor |      |      | Torque (ft-lb) |       |       | DE Bearing | ODE Bearing | Connection | Weight (lbs.) |
|-------------|------|----------------|------|------|--------------|------|------|----------------|-------|-------|------------|-------------|------------|---------------|
| FLA         | LRA  | 100%           | 75%  | 50%  | 100%         | 75%  | 50%  | FLT            | LRT % | BDT % |            |             |            |               |
| 0.57        | 3.14 | 62.8           | 56.2 | 45.9 | 0.7          | 0.64 | 0.57 | 0.51           | 416   | 443   | 6203-2RZC3 | 6203-2RZC3  | 3 Lead Y   | 17            |

### NAME PLATE



North American Electric, Inc.

#### 3 PHASE AC INDUCTION MOTOR

|                                                      |  |      |                 |          |  |       |  |         |  |       |  |            |  |                                                                                                                |    |  |  |  |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------------------------------------------------------|--|------|-----------------|----------|--|-------|--|---------|--|-------|--|------------|--|----------------------------------------------------------------------------------------------------------------|----|--|--|--|--|--|--|--|--|--|--|--|--|----------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| CAT NO.                                              |  |      | F56C1/3M2A-575V |          |  | FRAME |  | 56C     |  | PH    |  | 3          |  | <div>575 V Wye</div> <div><div>T1</div><div>T2</div><div>T3</div><div>L1</div><div>L2</div><div>L3</div></div> |    |  |  |  |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |  |  |  |  |
| HZ                                                   |  | 60   |                 | SF       |  | 1.15  |  | ENCL    |  | TEFC  |  | IP         |  |                                                                                                                | 55 |  |  |  |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |  |  |  |  |
| HP                                                   |  | 1/3  |                 | RPM      |  | 3470  |  | DUTY    |  | CONT  |  | DES        |  |                                                                                                                | B  |  |  |  |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |  |  |  |  |
| VOLTS                                                |  |      |                 | 575      |  |       |  | AMB     |  | 40 °C |  | INS        |  |                                                                                                                | F  |  |  |  |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |  |  |  |  |
| FLA                                                  |  |      |                 | 0.57     |  |       |  | DE.BRG  |  |       |  | 6203-2RZC3 |  |                                                                                                                |    |  |  |  |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CODE                                                 |  | J    |                 | P.F      |  | 0.7   |  | ODE.BRG |  |       |  | 6203-2RZC3 |  |                                                                                                                |    |  |  |  |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |  |  |  |  |
| EFF                                                  |  | 62.8 |                 | MIN      |  | 53.9  |  | LBS     |  |       |  | 17         |  |                                                                                                                |    |  |  |  |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CONNECTION                                           |  |      |                 | 3 Lead Y |  |       |  | SER NO  |  |       |  |            |  |                                                                                                                |    |  |  |  |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <div>Hernando, MS</div> <div>www.naemotors.com</div> |  |      |                 |          |  |       |  |         |  |       |  |            |  | <div>ISO9001</div> <div>CERTIFIED</div>                                                                        |    |  |  |  |  |  |  |  |  |  |  |  |  | <div><div>CSA</div><div>C</div><div>US</div></div> |  |  |  |  |  |  |  |  |  |  |  |  |  |

### APPLICATIONS:

General purpose use on pumps, fans, blowers, compressors, conveyors, material handling and other industrial machinery installed in damp, dusty or dirty environments.