

# .5018NT3FVD56C-S Cut Sheet



WEG Electric S premium efficiency AC induction motor, high-performance inverter duty, 1/2hp, 3-phase, 230/460 VAC, 1800rpm, TENV, NEMA 56CZ frame, rolled steel, C-face/rigid base mount.

For complete product information, please see this item on our store at the following link:



<https://www.automationdirect.com/pn/.5018NT3FVD56C-S>

## Technical Specifications

|                          |                                |
|--------------------------|--------------------------------|
| <b>Brand</b>             | WEG Electric                   |
| <b>Item</b>              | Motor                          |
| <b>Series</b>            | S                              |
| <b>Efficiency Group</b>  | Premium efficiency             |
| <b>Efficiency</b>        | 78.5                           |
| <b>Voltage Type</b>      | AC                             |
| <b>Motor Type</b>        | Induction                      |
| <b>Motor Application</b> | High-performance inverter duty |
| <b>Horsepower Rating</b> | 1/2hp                          |
| <b>Number of Phases</b>  | 3                              |
| <b>Voltage Rating</b>    | 230/460 VAC                    |
| <b>Synchronous Speed</b> | 1800rpm                        |
| <b>Nameplate RPM</b>     | 1775rpm                        |
| <b>Overload Type</b>     | None                           |
| <b>Enclosure Type</b>    | TENV                           |

|                                 |                        |
|---------------------------------|------------------------|
| <b>Shaft Type</b>               | Round with square key  |
| <b>Shaft Diameter</b>           | 5/8in                  |
| <b>Shaft Material</b>           | 1045 carbon steel      |
| <b>Motor Frame</b>              | NEMA 56CZ              |
| <b>Frame Material</b>           | Rolled steel           |
| <b>Electrically Reversible</b>  | Yes                    |
| <b>Insulation Class</b>         | Class F                |
| <b>IP Rating</b>                | IP55                   |
| <b>Constant Torque Rating</b>   | 1000:1                 |
| <b>Variable Torque Rating</b>   | 1000:1                 |
| <b>Service Factor</b>           | 1.0                    |
| <b>Integrated Brake</b>         | No                     |
| <b>Junction Box Orientation</b> | F1                     |
| <b>Mounting</b>                 | C-face/rigid base      |
| <b>Mounting Orientation</b>     | Horizontal or vertical |

## Agency Approvals

|                         |  |
|-------------------------|--|
| <b>UL Listed File #</b> | E104590                                |
| <b>CE</b>               | None                                   |
| <b>CSA File #</b>       | LR38324                                |
| <b>RoHS Status</b>      | No                                     |
| <b>EU REACH</b>         | <a href="#">View EU REACH document</a> |

## Dimensional Drawings



2D Drawing PDF Link:  
<https://cdn.automationdirect.com/static/drawings/2d/.5018NT3FVD56C-S.pdf>  
See store item page for other formats.