

# SY069 Cut Sheet



Marathon Symax super premium efficiency AC permanent magnet motor, high-performance inverter duty, 10hp, 3-phase, 230/460 VAC, 1800rpm, TEFC, 215TC frame, rolled steel, C-face/ rigid base mount. Requires drive.

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



<https://www.automationdirect.com/pn/SY069>

## Technical Specifications

|                          |                                |
|--------------------------|--------------------------------|
| <b>Brand</b>             | Marathon                       |
| <b>Item</b>              | Motor                          |
| <b>Series</b>            | Symax                          |
| <b>Efficiency Group</b>  | Super premium efficiency       |
| <b>Efficiency</b>        | 94.5                           |
| <b>Voltage Type</b>      | AC                             |
| <b>Motor Type</b>        | Permanent magnet               |
| <b>Motor Application</b> | High-performance inverter duty |
| <b>Horsepower Rating</b> | 10hp                           |
| <b>Number of Phases</b>  | 3                              |
| <b>Voltage Rating</b>    | 230/460 VAC                    |
| <b>Synchronous Speed</b> | 1800rpm                        |
| <b>Nameplate RPM</b>     | 1800rpm                        |
| <b>Overload Type</b>     | None                           |
| <b>Enclosure Type</b>    | TEFC                           |
| <b>Shaft Type</b>        | Round with square key          |

|                                 |                               |
|---------------------------------|-------------------------------|
| <b>Shaft Diameter</b>           | 1-3/8in                       |
| <b>Shaft Material</b>           | 1045 hot rolled (C-204) steel |
| <b>Motor Frame</b>              | 215TC                         |
| <b>Frame Material</b>           | Rolled steel                  |
| <b>Electrically Reversible</b>  | Yes                           |
| <b>Insulation Class</b>         | Class F                       |
| <b>IP Rating</b>                | IP43                          |
| <b>Constant Torque Rating</b>   | 20:1                          |
| <b>Variable Torque Rating</b>   | 20:1                          |
| <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                    |
| <b>Requires</b>                 | Drive                         |
| <b>Manufacturer Part Number</b> | 215TPFRB10219                 |

## Agency Approvals

|                             |  |
|-----------------------------|--|
| <b>UL Listed File #</b>     | None                                   |
| <b>UL Recognized File #</b> | E49747                                 |
| <b>UL Hazardous File #</b>  | None                                   |
| <b>CE</b>                   | <a href="#">View CE declarations</a>   |
| <b>CSA File #</b>           | LR2025                                 |
| <b>RoHS Status</b>          | Yes (See CE Doc)                       |
| <b>EU REACH</b>             | <a href="#">View EU REACH document</a> |

## Dimensional Drawings



2D Drawing PDF Link:  
<https://cdn.automationdirect.com/static/drawings/SY069.pdf>  
See store item page for other formats.