

# Y502 Cut Sheet



Marathon MicroMAX premium efficiency AC induction motor, high-performance inverter duty, 1/3hp, 3-phase, 230 VAC, 1800rpm, TENV, NEMA 56C 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/Y502>

## Technical Specifications

|                          |                                |                                 |                                |
|--------------------------|--------------------------------|---------------------------------|--------------------------------|
| <b>Brand</b>             | Marathon                       | <b>Shaft Diameter</b>           | 5/8in                          |
| <b>Item</b>              | Motor                          | <b>Shaft Material</b>           | 1144 Stressproof (C-223) steel |
| <b>Series</b>            | MicroMAX                       | <b>Motor Frame</b>              | NEMA 56C                       |
| <b>Efficiency Group</b>  | Premium efficiency             | <b>Frame Material</b>           | Rolled steel                   |
| <b>Efficiency</b>        | 74                             | <b>Electrically Reversible</b>  | Yes                            |
| <b>Voltage Type</b>      | AC                             | <b>Insulation Class</b>         | Class H                        |
| <b>Motor Type</b>        | Induction                      | <b>IP Rating</b>                | IP43                           |
| <b>Motor Application</b> | High-performance inverter duty | <b>Constant Torque Rating</b>   | 1000:1                         |
| <b>Horsepower Rating</b> | 1/3hp                          | <b>Variable Torque Rating</b>   | 10:1                           |
| <b>Number of Phases</b>  | 3                              | <b>Service Factor</b>           | 1.0                            |
| <b>Voltage Rating</b>    | 230 VAC                        | <b>Integrated Brake</b>         | No                             |
| <b>Synchronous Speed</b> | 1800rpm                        | <b>NEMA Design</b>              | Design B                       |
| <b>Nameplate RPM</b>     | 1725rpm                        | <b>Junction Box Orientation</b> | F3                             |
| <b>Overload Type</b>     | None                           | <b>Mounting</b>                 | C-face/rigid base              |
| <b>Enclosure Type</b>    | TENV                           | <b>Mounting Orientation</b>     | Horizontal                     |
| <b>Shaft Type</b>        | Round with square key          | <b>Manufacturer Part Number</b> | 056H17T2013                    |

## 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>           | LR37479                                |
| <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/Y502.pdf>  
See store item page for other formats.