

# MTRP-002-3BD36 Cut Sheet



IronHorse MTR premium efficiency AC induction motor, general purpose and inverter rated, 2hp, 3-phase, 208-230/460 VAC, 3600rpm, TEFC, NEMA 56C/HC frame, rolled steel, C-face/removable rigid base mount.

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



<https://www.automationdirect.com/pn/MTRP-002-3BD36>

## Technical Specifications

|                          |                                    |
|--------------------------|------------------------------------|
| <b>Brand</b>             | IronHorse                          |
| <b>Item</b>              | Motor                              |
| <b>Series</b>            | MTR                                |
| <b>Efficiency Group</b>  | Premium efficiency                 |
| <b>Efficiency</b>        | 85.5                               |
| <b>Voltage Type</b>      | AC                                 |
| <b>Motor Type</b>        | Induction                          |
| <b>Motor Application</b> | General purpose and inverter rated |
| <b>Horsepower Rating</b> | 2hp                                |
| <b>Number of Phases</b>  | 3                                  |
| <b>Voltage Rating</b>    | 208-230/460 VAC                    |
| <b>Synchronous Speed</b> | 3600rpm                            |
| <b>Nameplate RPM</b>     | 3500rpm                            |
| <b>Overload Type</b>     | None                               |
| <b>Enclosure Type</b>    | TEFC                               |
| <b>Shaft Type</b>        | Round with square key              |

|                                 |                               |
|---------------------------------|-------------------------------|
| <b>Shaft Diameter</b>           | 5/8in                         |
| <b>Shaft Material</b>           | 1045 hot rolled (C-204) steel |
| <b>Motor Frame</b>              | NEMA 56C/HC                   |
| <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>   | 4:1                           |
| <b>Variable Torque Rating</b>   | 10:1                          |
| <b>Service Factor</b>           | 1.15 (sine), 1.0 (drive)      |
| <b>Integrated Brake</b>         | No                            |
| <b>NEMA Design</b>              | Design B                      |
| <b>Junction Box Orientation</b> | F1                            |
| <b>Mounting</b>                 | C-face/removable rigid base   |
| <b>Mounting Orientation</b>     | Horizontal or vertical        |

## Agency Approvals

|                             |  |
|-----------------------------|--|
| <b>UL Listed File #</b>     | None                                   |
| <b>UL Recognized File #</b> | None                                   |
| <b>UL Hazardous File #</b>  | None                                   |
| <b>CE</b>                   | <a href="#">View CE declarations</a>   |
| <b>CSA File #</b>           | 256950                                 |
| <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/MTRP-002-3BD36.pdf>  
See store item page for other formats.