

# MTSN-002-3BD18-14 Cut Sheet



IronHorse MTS premium efficiency AC induction motor, washdown and inverter rated, 2hp, 3-phase, 208-230/460 VAC, 1800rpm, TENV, NEMA 145TC frame, 304 stainless 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/MTSN-002-3BD18-14>

## Technical Specifications

|                          |                             |
|--------------------------|-----------------------------|
| <b>Brand</b>             | IronHorse                   |
| <b>Item</b>              | Motor                       |
| <b>Series</b>            | MTS                         |
| <b>Efficiency Group</b>  | Premium efficiency          |
| <b>Efficiency</b>        | 86.5                        |
| <b>Voltage Type</b>      | AC                          |
| <b>Motor Type</b>        | Induction                   |
| <b>Motor Application</b> | Washdown 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> | 1800rpm                     |
| <b>Nameplate RPM</b>     | 1750rpm                     |
| <b>Overload Type</b>     | None                        |
| <b>Enclosure Type</b>    | TENV                        |
| <b>Shaft Type</b>        | Round with square key       |

|                                 |                                |
|---------------------------------|--------------------------------|
| <b>Shaft Diameter</b>           | 7/8in                          |
| <b>Shaft Material</b>           | 304 stainless steel            |
| <b>Motor Frame</b>              | NEMA 145TC                     |
| <b>Frame Material</b>           | 304 stainless steel            |
| <b>Electrically Reversible</b>  | Yes                            |
| <b>Insulation Class</b>         | Class F                        |
| <b>IP Rating</b>                | IP69K                          |
| <b>Constant Torque Rating</b>   | 10:1                           |
| <b>Variable Torque Rating</b>   | 20:1                           |
| <b>Service Factor</b>           | 1.15                           |
| <b>Integrated Brake</b>         | No                             |
| <b>NEMA Design</b>              | Design B                       |
| <b>Junction Box Orientation</b> | F1                             |
| <b>Mounting</b>                 | C-face/rigid base              |
| <b>Mounting Orientation</b>     | Horizontal or vertical         |
| <b>Additional Information</b>   | Class I Div 2 hazardous rating |

## Agency Approvals

|                             |  |
|-----------------------------|--|
| <b>UL Listed File #</b>     | None                                   |
| <b>UL Recognized File #</b> | E517327                                |
| <b>UL Hazardous File #</b>  | None                                   |
| <b>CE</b>                   | <a href="#">View CE declarations</a>   |
| <b>CSA File #</b>           | 602259                                 |
| <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/2d/MTSN-002-3BD18-14.pdf>  
See store item page for other formats.