

# UN1T2BC Cut Sheet



U.S. MOTORS ACCU-Torq high efficiency AC induction motor, high-performance inverter duty, 1hp, 3-phase, 230/460 VAC, 1800rpm, TENV, NEMA 143TC 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/UN1T2BC>

## Technical Specifications

|                          |                                |                                 |                               |
|--------------------------|--------------------------------|---------------------------------|-------------------------------|
| <b>Brand</b>             | U.S. MOTORS                    | <b>Shaft Diameter</b>           | 7/8in                         |
| <b>Item</b>              | Motor                          | <b>Shaft Material</b>           | 1045 hot rolled (C-204) steel |
| <b>Series</b>            | ACCU-Torq                      | <b>Motor Frame</b>              | NEMA 143TC                    |
| <b>Efficiency Group</b>  | High efficiency                | <b>Frame Material</b>           | Rolled steel                  |
| <b>Efficiency</b>        | 84                             | <b>Electrically Reversible</b>  | Yes                           |
| <b>Voltage Type</b>      | AC                             | <b>Insulation Class</b>         | Class F                       |
| <b>Motor Type</b>        | Induction                      | <b>IP Rating</b>                | IP44                          |
| <b>Motor Application</b> | High-performance inverter duty | <b>Constant Torque Rating</b>   | 5000:1                        |
| <b>Horsepower Rating</b> | 1hp                            | <b>Variable Torque Rating</b>   | 5000:1                        |
| <b>Number of Phases</b>  | 3                              | <b>Service Factor</b>           | 1.0                           |
| <b>Voltage Rating</b>    | 230/460 VAC                    | <b>Integrated Brake</b>         | No                            |
| <b>Synchronous Speed</b> | 1800rpm                        | <b>NEMA Design</b>              | Design A                      |
| <b>Nameplate RPM</b>     | 1755rpm                        | <b>Junction Box Orientation</b> | F1                            |
| <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> | FD93                          |

## Agency Approvals

|                             |                                        |
|-----------------------------|----------------------------------------|
| <b>UL Listed File #</b>     | None                                   |
| <b>UL Recognized File #</b> | E51488                                 |
| <b>UL Hazardous File #</b>  | None                                   |
| <b>CE</b>                   | None                                   |
| <b>CSA File #</b>           | 191252                                 |
| <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/UN1T2BC.pdf>  
See store item page for other formats.