Product Information Packet: Model No: TCA0754AF141GAC010, Catalog No:TCA0754AF141GAC010 TerraMAX® Cast Iron Motor, 100 HP, 3 Ph, 50 Hz, 380 V, 750 RPM, 315M Frame, TEFC

## marathon<sup>®</sup>

## Nameplate Specifications

| Output HP                                    | 100 Нр                | Output KW   | 75.0 kW                              |
|--|-----------------------|---|--------------------------------------|
| Frequency                                    | 50 Hz                 | Voltage   | 380 V                                |
| Current                                      | 167.7 A               | Speed   | 743 rpm                              |
| Service Factor                               | 1                     | Phase   | 3                                    |
| Efficiency                                   | 93.1 %                | Power Factor                                      | 0.73                                 |
| Duty   | S1                    | Insulation Class                                  | F                                    |
|  |                       |   |                                      |
| Frame  | 315M                  | Enclosure   | Totally Enclosed Fan Cooled          |
| Frame<br>Thermal Protection                  | 315M<br>No Protection | Enclosure<br>Ambient Temperature                  | Totally Enclosed Fan Cooled<br>40 °C |
|  |                       |   | -                                    |
| Thermal Protection                           | No Protection         | Ambient Temperature                               | 40 °C                                |
| Thermal Protection<br>Drive End Bearing Size | No Protection<br>6319 | Ambient Temperature<br>Opp Drive End Bearing Size | 40 °C<br>6319                        |

## **Technical Specifications**

| Electrical Type       | Squirrel Cage | Starting Method       | Direct On Line |
|-----------------------|---------------|-----------------------|----------------|
| Poles                 | 8             | Rotation              | Bi-Directional |
| Mounting              | V1            | Motor Orientation     | Shaftdown      |
| Drive End Bearing     | СЗ            | Opp Drive End Bearing | C3             |
| Frame Material        | Cast Iron     | Shaft Type            | Keyed          |
| Overall Length        | 1341 mm       | Frame Length          | 729 mm         |
| Shaft Diameter        | 80 mm         | Shaft Extension       | 170 mm         |
| Assembly/Box Mounting | Тор           |                       |                |
| Connection Drawing    | 8442000085    | Outline Drawing       | 0231500893     |

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