Product Information Packet: Model No: TCA18P2AE221GAA009, Catalog No:R240 Cast Iron Motor, 25 & 20 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1800 & 1500 RPM, 180M Frame, TEFC

## marathon®

## Nameplate Specifications

| Phase                  | 3                   | Output HP                  | 25 & 20 Hp                  |
|------------------------|---------------------|----------------------------|-----------------------------|
| Output KW              | 18.5 & 15.0 kW      | Voltage                    | 230/460 & 200/400 V         |
| Speed                  | 1780 & 1485 rpm     | Service Factor             | 1.15 & 1.15                 |
| Frame                  | 180M                | Enclosure                  | Totally Enclosed Fan Cooled |
| Thermal Protection     | No Protection       | Efficiency                 | 93.6 & 92.1 %               |
| Ambient Temperature    | 40 °C               | Frequency                  | 60 & 50 Hz                  |
| Current                | 62/31 & 59.5/29.8 A | Power Factor               | 81                          |
| Duty                   | Continuous          | Insulation Class           | F                           |
| Design Code            | N (IEC)             | KVA Code                   | J                           |
| Drive End Bearing Size | 6311                | Opp Drive End Bearing Size | 6211                        |
| UL                     | Recognized          | CSA                        | Ν                           |
| CE                     | Y                   | IP Code                    | 55                          |
| Number of Speeds       | 1                   | Efficiency Class           | IE3                         |

## **Technical Specifications**

| Electrical Type       | Squirrel Cage Inverter Rated | Starting Method       | Line Or Inverter |
|-----------------------|------------------------------|-----------------------|------------------|
| Poles                 | 4                            | Rotation              | Reversible       |
| Resistance Main       | .32 Ohms                     | Mounting              | Round            |
| Motor Orientation     | Horizontal                   | Drive End Bearing     | Ball             |
| Opp Drive End Bearing | Ball                         | Frame Material        | Cast Iron        |
| Shaft Type            | IEC                          | Overall Length        | 28.03 in         |
| Frame Length          | 12.91 in                     | Shaft Diameter        | 1.890 in         |
| Shaft Extension       | 4.33 in                      | Assembly/Box Mounting | F3               |
| Inverter Load         | CONSTANT 2:1/VARIABLE 10:1   |                       |                  |
| Connection Drawing    | 8442000715                   | Outline Drawing       | SS312997A        |

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