Product Information Packet: Model No: TCM0453A2113GAC011, Catalog No:TCM0453A2113GAC011 TerraMAX® IE3, Mining Duty Motors, 45 kW, 3Ph, 6 Pole, 400/690V, B3, 50Hz, 280S Frame, TEFC



## Nameplate Specifications

| Output HP              | 60 Hp         | Output KW                  | 45.0 kW                     |
|------------------------|---------------|----------------------------|-----------------------------|
| Frequency              | 50 Hz         | Voltage                    | 400/690 V                   |
| Current                | 85.6 A        | Speed                      | 989 rpm                     |
| Service Factor         | 1             | Phase                      | 3                           |
| Efficiency             | 93.7 %        | Power Factor               | 0.81                        |
| Duty                   | <b>S1</b>     | Insulation Class           | Н                           |
| Frame                  | 280S          | Enclosure                  | Totally Enclosed Fan Cooled |
| Thermal Protection     | No Protection | Ambient Temperature        | 40 °C                       |
| Drive End Bearing Size | NU317         | Opp Drive End Bearing Size | 6317                        |
| UL                     | NO            | CSA                        | NO                          |
| CE                     | YES           | IP Code                    | 66                          |
| Number of Speeds       | 1             | Efficiency Class           | IE3                         |
|                        |               |                            |                             |

## **Technical Specifications**

| Electrical Type       | Squirrel Cage | Starting Method       | Direct On Line |
|-----------------------|---------------|-----------------------|----------------|
| Poles                 | 6             | Rotation              | Bi-Directional |
| Mounting              | B3            | Motor Orientation     | Horizontal     |
| Drive End Bearing     | СЗ            | Opp Drive End Bearing | С3             |
| Frame Material        | Cast Iron     | Shaft Type            | Keyed          |
| Overall Length        | 1090 mm       | Frame Length          | 549 mm         |
| Shaft Diameter        | 80 mm         | Shaft Extension       | 170 mm         |
| Assembly/Box Mounting | RHS           |                       |                |
| Connection Drawing    | 8442000086    | Outline Drawing       | 0228001110     |

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