

# T3CR280M-2 90KW 500V B3

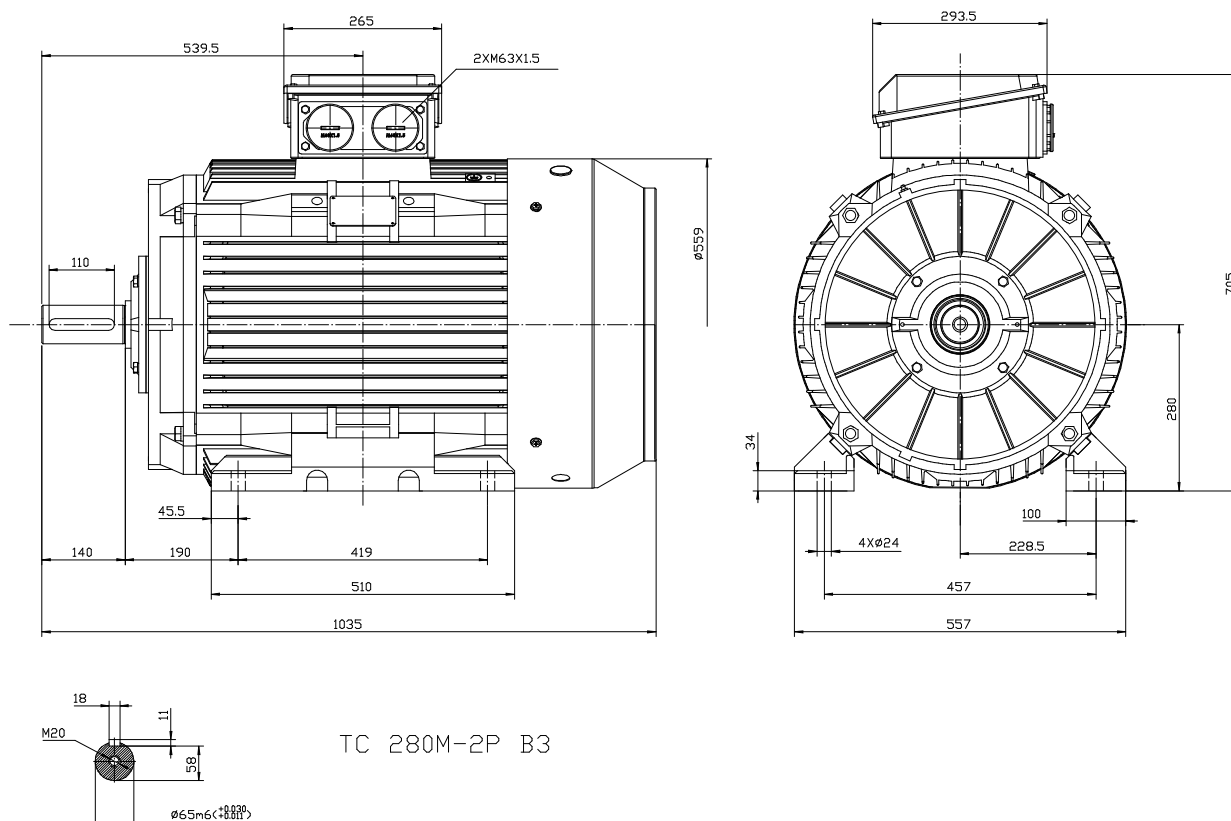
## Three-phase asynchronous motor in cast iron

Motor type T3CR280M-2 90KW 500V B3  
Brand BUSCK  
Item number 93C22811T

| Voltage V | Power kW | Frequency Hz | Current A | Speed rpm |
|-----------|----------|--------------|-----------|-----------|
| 500       | 90       | 50           | 120,2     | 2960      |
| 575       | 103,5    | 60           | 120,2     | 3552      |

|                                  |              |                          |              |
|----------------------------------|--------------|--------------------------|--------------|
| Duty                             | S1           | Efficiency class         | IE3          |
| Enclosure                        | IP55         | Efficiency, load 100%    | 95           |
| Insulation class                 | F            | Efficiency, load 75%     | 95,2         |
| Cooling                          | IC411 (TEFC) | Efficiency, load 50%     | 94,3         |
| Max. ambient temp.               | 45°C         | Power fact, load 100%    | 0,91         |
| Max. temp. rise                  | 80 K         | Painting                 | Standard     |
| Max altitude, masl               | 1000         | Color                    | RAL 9005     |
| Torque, Nm                       | 290,37       | Weight kg                | 550          |
| Starting torque ratio            | 2,5          | Sound pressure Lp dB(A)  | 94           |
| Pull up torque ratio             | 1,8          | Bearing DE               | 6316 C3      |
| Pull out torque ratio            | 2,6          | Bearing NDE              | 6316 C3      |
| Starting current ratio           | 10           | Balance grade            | Normal       |
| Winding protection               | Thermistors  | Inertia kgm <sup>2</sup> | 0,98168      |
| This motor has DNV type approval |              | Cable entries            | 2xM63, 1xM16 |

Note IE3



TC 280M-2P B3

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