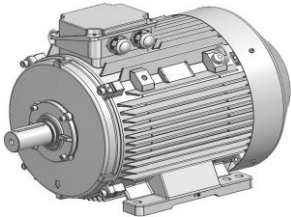




WAT Motor  
Sanayi ve Ticaret A.Ş.



Three Phase Squirrel Cage Induction Motor

Motor Type: Q4HG280M4C

Electrical Data

| RATED VALUES |       |    |       |            |        |            | STARTING VALUES                 |                                 |        |      | BREAKDOWN | EFFICIENCY |      |      | EFFICIENCY CLASS |
|--------------|-------|----|-------|------------|--------|------------|---------------------------------|---------------------------------|--------|------|-----------|------------|------|------|------------------|
| VOLTAGE      | POWER |    | SPEED | CURRENT    | TORQUE | Cos $\Phi$ | CURRENT                         |                                 | TORQUE |      | TORQUE    |            |      |      | IEC 60034-30-1   |
|              | kW    | Hz |       |            |        |            | I <sub>A</sub> / I <sub>N</sub> | M <sub>A</sub> / M <sub>N</sub> | Mk/ Mn | 4/4  | 3/4       | 2/4        |      |      |                  |
| V            |       |    |       |            | A      | Nm         |                                 |                                 |        |      |           |            | 4/4  | Y    | D                |
| 400/690      | 75    | 50 | 1492  | 127,9/73,9 | 480.0  | 0.89       |                                 | 5.90                            |        | 1.70 | 4.30      | 96         | 95.8 | 95.1 | IE4              |
| 460/795      | 75    | 60 | 1793  | 108,8/62,9 | 399.4  | 0.90       |                                 | 6.49                            |        |      | 5.16      | 96.2       | 96   | 95.3 | IE4              |
|              |       |    |       |            |        |            |                                 |                                 |        |      |           |            |      |      |                  |
|              |       |    |       |            |        |            |                                 |                                 |        |      |           |            |      |      |                  |

Mechanical Data

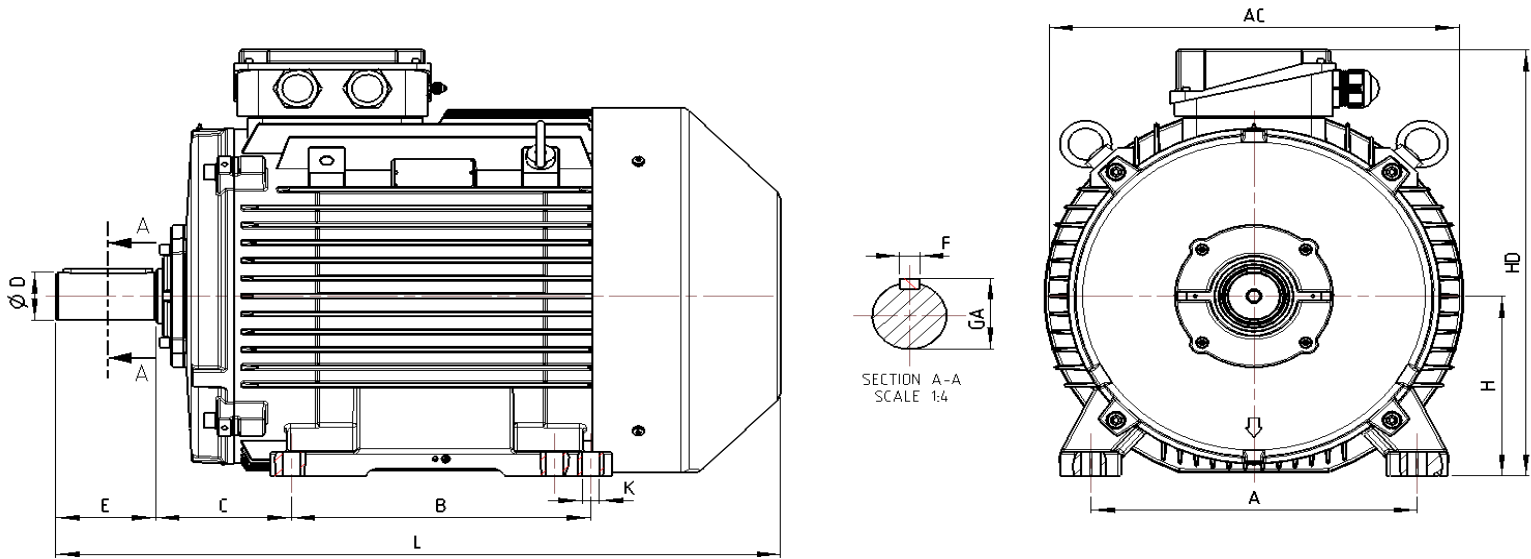
|                            |                       |                          |              |
|----------------------------|-----------------------|--------------------------|--------------|
| Bearing DE                 | 6317 C3               | Color                    | Optional     |
| Bearing NDE                | 6317 C3               | Motor protection         | Optional     |
| Lubricants                 | SHELL GADUS S5 V100 2 | Method of cooling        | IC 411       |
| Condensation drain hole    | No                    | Terminal box position    | Top          |
| External earthing terminal | Yes                   | Material of terminal box | Cast Iron    |
| Vibration class            | A                     | Terminal plate thread    | M10          |
| Insulation class           | H                     | Cable gland              | 2xM50        |
| Duty type                  | S1                    | Clamping range           | 30-38 mm     |
| Direction of rotation      | Clockwise             | Mounting type            | IM 1001 (B3) |
| Housing material           | Cast Iron             |                          |              |
| Type of balancing          | Half Key              |                          |              |

Enviromental Data

Others

|                          |               |                                       |             |
|--------------------------|---------------|---------------------------------------|-------------|
| Ambient temperature      | -20 / + 40 °C | Type of protection                    | IP56        |
| Altitude above sea level | 1000 m        | Sound pressure level 50/60Hz          | 70 dBA      |
|                          |               | Moment of inertia (kgm <sup>2</sup> ) | 1.72100     |
|                          |               | Standard                              | IEC 60034-1 |
|                          |               | Weight (kg)                           | 694.0       |

Dimensions



| Main Dimensions |      | Foot Mounted Motors |     |     |     |    |     | Shaft |     |      |    | Flange Mounted Motors |   |   |   |
|-----------------|------|---------------------|-----|-----|-----|----|-----|-------|-----|------|----|-----------------------|---|---|---|
| AC              | L    | B                   | A   | H   | HD  | K  | C   | D     | E   | GA   | F  | P                     | N | M | S |
| 574             | 1021 | 419                 | 457 | 280 | 664 | 24 | 190 | 75    | 140 | 79.5 | 20 | -                     | - | - | - |