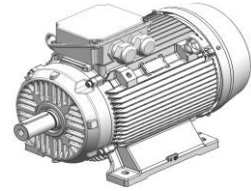




WAT Motor  
Sanayi ve Ticaret A.Ş.

## Three Phase Squirrel Cage Induction Motor

Motor type Q3HG160L2C40-KI



### Electrical Data

| RATED VALUES |       |    |       |           |        |       | STARTING VALUES                        |                                        |              |     | BREAKDOWN | EFFICIENCY |      |    | EFFICIENCY CLASS |
|--------------|-------|----|-------|-----------|--------|-------|----------------------------------------|----------------------------------------|--------------|-----|-----------|------------|------|----|------------------|
| VOLTAGE      | POWER |    | SPEED | CURRENT   | TORQUE | Cos φ | CURRENT                                |                                        | TORQUE       |     | TORQUE    | %          |      |    | IEC 60034-30-1   |
| V            | kW    | Hz | rpm   | A         | Nm     | 4/4   | I <sub>A</sub> / I <sub>N</sub><br>Y D | M <sub>A</sub> / M <sub>N</sub><br>Y D | Mk/ Mn<br>Nm |     | 4/4       | 3/4        | 2/4  | IE |                  |
| 400/690      | 18,5  | 50 | 2957  | 32,9/19,0 | 56,70  | 0,87  | 0,0                                    | 10,6                                   | -            | 3,4 | 5,1       | 92,4       | 92,8 | 92 | IE3              |
| 460/795      | 21,3  | 60 | 3556  | 32,4/18,7 | 54,10  | 0,88  | -                                      | 10,3                                   | -            | 3,2 | 5,0       | 0          | 0    | 0  |                  |
|              |       |    |       |           |        |       |                                        |                                        |              |     |           |            |      |    |                  |
|              |       |    |       |           |        |       |                                        |                                        |              |     |           |            |      |    |                  |

### Mechanical Data

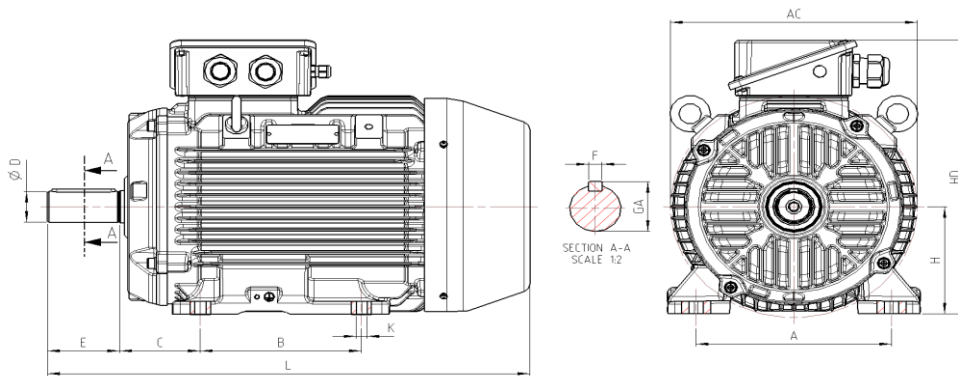
|                            |            |                          |               |
|----------------------------|------------|--------------------------|---------------|
| Bearing DE                 | 6309-ZZ C3 | Color                    | RAL 3009      |
| Bearing NDE                | 6309-ZZ C3 | Motor protection         | PTC           |
| Lubricants                 | Standart   | Method of cooling        | IC411 (TEFC)  |
| Condensation drain hole    | Optional   | Terminal box position    | Top           |
| External earthing terminal | Yes        | Material of terminal box | Cast Iron     |
| Vibration class            | A          | Terminal plate thread    | M6            |
| Insulation Class           | F          | Cable gland              | 2xM32G+1xM12G |
| Duty type                  | S1         | Clamping range           | 18-25 mm      |
| Direction of rotation      | CW/CCW     | Mounting type            | IM 1001 (B3)  |
| Housing material           | Cast Iron  |                          |               |
| Type of balancing          | H          |                          |               |

### Environmental Data

### Others

|                          |               |                               |             |
|--------------------------|---------------|-------------------------------|-------------|
| Ambient Temperature      | -20 / + 40 °C | Type of protection            | IP 56       |
| Altitude above sea level | 1000 m        | Sound Pressure Level 50Hz dBA | 70          |
|                          |               | Moment of Inertia (kg.mm2)    | 0,04808885  |
|                          |               | Standard                      | IEC 60034-1 |

### 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 |
| 328             | 626 | 210                 | 254 | 160 | 387 | 14,5 | 108 | 42    | 110 | 45 | 12 | -                     | - | - | - |