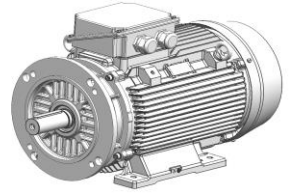




WAT Motor  
Sanayi ve Ticaret A.Ş.

## Three Phase Squirrel Cage Induction Motor

Motor type Q3HGFC160L6D40-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      | 11    | 50 | 975   | 26,2/15,1 | 107,74 | 0,68  | 1,5                                    | 4,5   | 0,6                                    | 1,93 | 2,3          | 90,3       | 90,4 | 89,7 | IE3              |
| 460/795      | 12,7  | 60 | 1175  | 26,0/15,0 | 102,81 | 0,69  | 1,5                                    | 4,365 | 0,6                                    | 1,83 | 2,3          | -          | -    | -    |                  |
|              |       |    |       |           |        |       |                                        |       |                                        |      |              |            |      |      |                  |
|              |       |    |       |           |        |       |                                        |       |                                        |      |              |            |      |      |                  |

### Mechanical Data

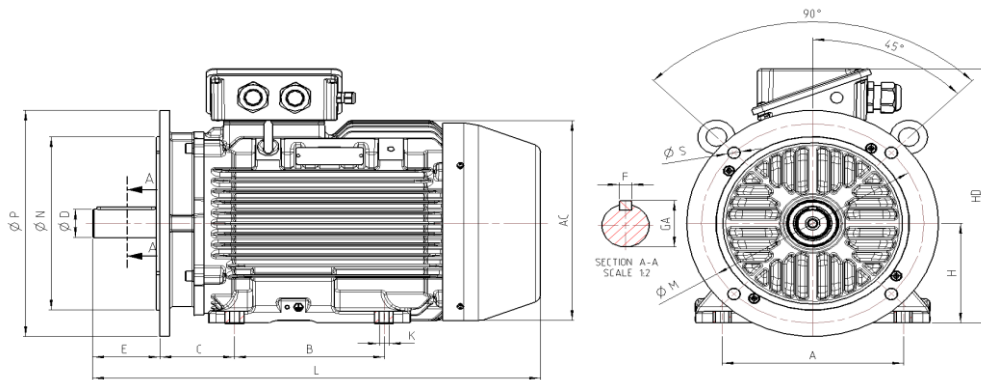
|                            |            |                          |               |
|----------------------------|------------|--------------------------|---------------|
| Bearing DE                 | 6309-ZZ C3 | Color                    | RAL 3009      |
| Bearing NDE                | 6309-ZZ C3 | 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 2001 (B35) |
| 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           | 62          |
|                          |               | Moment of Inertia (kg.mm <sup>2</sup> ) | 0,09        |
|                          |               | 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             | 668 | 254                 | 254 | - | -  | - | - | 42    | 110 | 45 | 12 | 250                   | 180 | 215 | M10 |