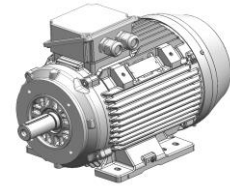




WAT Motor  
Sanayi ve Ticaret A.Ş.



## Three Phase Squirrel Cage Induction Motor

Motor type Q3HGPC112M4D40-KG

### Electrical Data

| RATED VALUES |       |    |       |         |        |            | STARTING VALUES                        |     |                                        |     | BREAKDOWN                             | EFFICIENCY |      |      | EFFICIENCY CLASS |
|--------------|-------|----|-------|---------|--------|------------|----------------------------------------|-----|----------------------------------------|-----|---------------------------------------|------------|------|------|------------------|
| VOLTAGE      | POWER |    | SPEED | CURRENT | TORQUE | Cos $\phi$ | 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 |     | M <sub>k</sub> / M <sub>n</sub><br>Nm | 4/4        | 3/4  | 2/4  | IE               |
| 400/690      | 4     | 50 | 1459  | 8,5/4,9 | 26,10  | 0,77       | 0,0                                    | 9,7 | -                                      | 4   | 4,7                                   | 88,6       | 87,9 | 85,7 | IE3              |
| 460/795      | 4,6   | 60 | 1755  | 8,2/4,7 | 25,00  | 0,79       | -                                      | 9,4 | -                                      | 3,8 | 4,5                                   | -          | -    | -    |                  |
|              |       |    |       |         |        |            |                                        |     |                                        |     |                                       |            |      |      |                  |
|              |       |    |       |         |        |            |                                        |     |                                        |     |                                       |            |      |      |                  |

### Mechanical Data

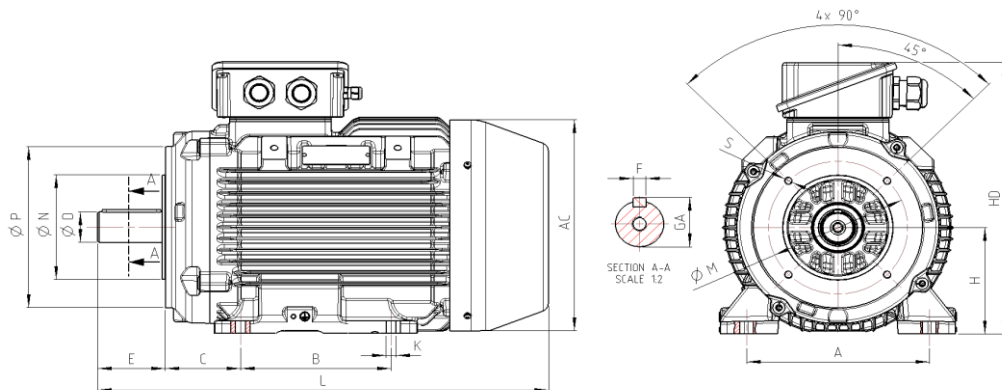
|                            |            |                          |                 |
|----------------------------|------------|--------------------------|-----------------|
| Bearing DE                 | 6306-ZZ C3 | Color                    | RAL 3009        |
| Bearing NDE                | 6306-ZZ C3 | Motor protection         | -               |
| 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    | M5              |
| Insulation Class           | F          | Cable gland              | 2xM25G          |
| Duty type                  | S1         | Clamping range           | 13-18 mm        |
| Direction of rotation      | CW/CCW     | Mounting type            | IM 2101 (B34-A) |
| 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           | 54          |
|                          |               | Moment of Inertia (kg.mm <sup>2</sup> ) | 0,0138288   |
|                          |               | 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  |
| 222             | 464 | 140                 | 190 | 112 | 290 | 12 | 70 | 28    | 60 | 31 | 8 | 160                   | 110 | 130 | M8 |