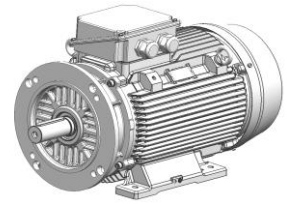




WAT Motor  
Sanayi ve Ticaret A.Ş.

## Three Phase Squirrel Cage Induction Motor

Motor type Q3HGA80M4C40-KG



### Electrical Data

| RATED VALUES |       |    |       |          |        |       | STARTING VALUES |                                 |                                 |        | BREAKDOWN | EFFICIENCY |      |      | EFFICIENCY CLASS |
|--------------|-------|----|-------|----------|--------|-------|-----------------|---------------------------------|---------------------------------|--------|-----------|------------|------|------|------------------|
| VOLTAGE      | POWER |    | SPEED | CURRENT  | TORQUE | Cos φ | CURRENT         |                                 | TORQUE                          |        | TORQUE    | %          |      |      | IEC 60034-30-1   |
|              | kW    | Hz |       |          |        |       | Y               | I <sub>N</sub> / I <sub>A</sub> | M <sub>N</sub> / M <sub>A</sub> | Mk/ Mn | 4/4       | 3/4        | 2/4  |      |                  |
| V            |       |    | rpm   | A        | Nm     | 4/4   | Y               | D                               | Y                               | D      | Nm        | 4/4        | 3/4  | 2/4  | IE               |
| 230/400      | 0,55  | 50 | 1453  | 2,3/1,35 | 3,60   | 0,73  | 6,6             | -                               | 1,6                             | -      | 2,0       | 80,8       | 79,3 | 75,2 | IE3              |
| 265/460      | 0,63  | 60 | 1753  | 2,25/1,3 | 3,45   | 0,74  | 6,4             | -                               | 1,6                             | -      | 1,9       | -          | -    | -    |                  |
|              |       |    |       |          |        |       |                 |                                 |                                 |        |           |            |      |      |                  |
|              |       |    |       |          |        |       |                 |                                 |                                 |        |           |            |      |      |                  |

### Mechanical Data

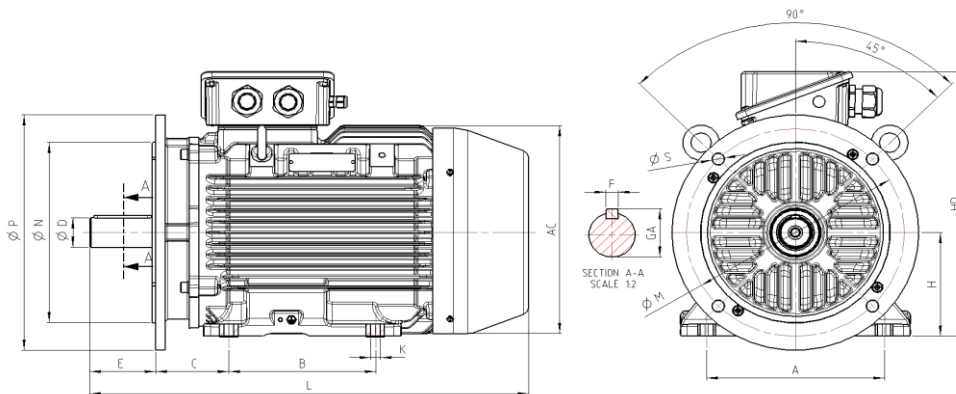
|                            |            |                          |               |
|----------------------------|------------|--------------------------|---------------|
| Bearing DE                 | 6204 ZZ C3 | Color                    | RAL 3009      |
| Bearing NDE                | 6204 ZZ C3 | 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    | M4            |
| Insulation Class           | F          | Cable gland              | 2xM25G        |
| Duty type                  | S1         | Clamping range           | 13-18 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           | 57          |
|                          |               | Moment of Inertia (kg.mm <sup>2</sup> ) | 0,0016953   |
|                          |               | 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  |
| 175             | 282 | 100                 | 125 | 80 | 225 | 10 | 50 | 19    | 40 | 21,5 | 6 | 200                   | 130 | 165 | 12 |