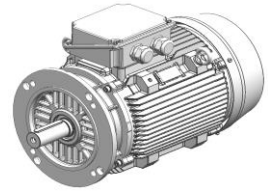




WAT Motor  
Sanayi ve Ticaret A.Ş.

## Three Phase Squirrel Cage Induction Motor

Motor type Q3HGFA80M2D40-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   |
| 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/ M <sub>n</sub><br>Nm | 4/4        | 3/4  | 2/4  | IE               |
| 230/400      | 1,1   | 50 | 2900  | 4,15/2,4 | 3,60   | 0,81  | 7,4                                    | - | 3,5                                    | - | 4,3                      | 82,7       | 80,2 | 76,4 | IE3              |
| 265/460      | 1,27  | 60 | 3504  | 4,0/2,3  | 3,50   | 0,81  | 7,2                                    | - | 3,4                                    | - | 4,2                      | -          | -    | -    |                  |
|              |       |    |       |          |        |       |                                        |   |                                        |   |                          |            |      |      |                  |
|              |       |    |       |          |        |       |                                        |   |                                        |   |                          |            |      |      |                  |

### Mechanical Data

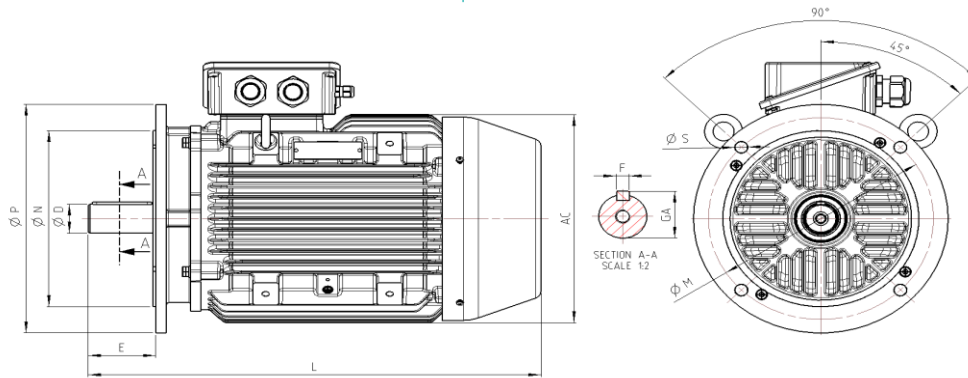
|                            |            |                          |              |
|----------------------------|------------|--------------------------|--------------|
| Bearing DE                 | 6204 ZZ C3 | Color                    | RAL 3009     |
| Bearing NDE                | 6204 ZZ C3 | 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 3001 (B5) |
| 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             | 317 | -                   | - | - | -  | - | - | 19    | 40 | 21,5 | 6 | 200                   | 130 | 165 | 12 |