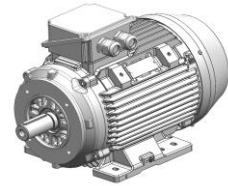




WAT Motor  
Sanayi ve Ticaret A.Ş.

## Three Phase Squirrel Cage Induction Motor

Motor type Q3HGPC90L2D40-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/ Mn<br>Nm | 4/4        | 3/4 | 2/4 | IE               |
| 230/400      | 2,2   | 50 | 2917  | 7,4/4,3 | 7,20   | 0,86  | 8,2                                    | - | 2,3                                    | - | 4,2          | 85,9       | 85  | 83  | IE3              |
| 265/460      | 2,5   | 60 | 3519  | 7,6/4,4 | 6,80   | 0,87  | 8,0                                    | - | 2,2                                    | - | 4,0          | -          | -   | -   |                  |
|              |       |    |       |         |        |       |                                        |   |                                        |   |              |            |     |     |                  |
|              |       |    |       |         |        |       |                                        |   |                                        |   |              |            |     |     |                  |

### Mechanical Data

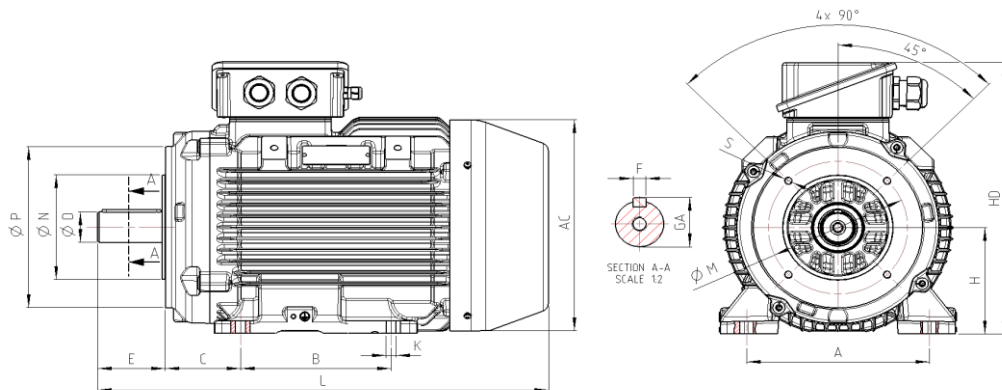
|                            |            |                          |                 |
|----------------------------|------------|--------------------------|-----------------|
| Bearing DE                 | 6305-ZZ C3 | Color                    | RAL 3009        |
| Bearing NDE                | 6205-ZZ 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           | 62          |
|                          |               | Moment of Inertia (kg.mm <sup>2</sup> ) | 0,0028338   |
|                          |               | 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  |
| 185             | 367 | 125                 | 140 | 90 | 232 | 10 | 56 | 24    | 50 | 27 | 8 | 140                   | 95 | 115 | M8 |