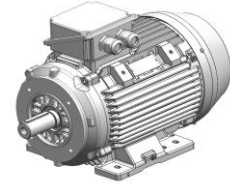




WAT Motor  
Sanayi ve Ticaret A.Ş.



## Three Phase Squirrel Cage Induction Motor

Motor type Q3HGPC100L2D41-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   |
|              | I <sub>A</sub> / I <sub>N</sub> | M <sub>A</sub> / M <sub>N</sub> |       |         |        |       | Mk/ Mn          |   |        |   |           |            |      |      |                  |
| V            | kW                              | Hz                              | rpm   | A       | Nm     | 4/4   | Y               | D | Y      | D | Nm        | 4/4        | 3/4  | 2/4  | IE               |
| 230/400      | 3                               | 50                              | 2925  | 9,5/5,5 | 9,81   | 0,9   | 11,8            | - | 4,1    | - | 4,6       | 87,1       | 87,1 | 85,4 | IE3              |
| 265/460      | 3,45                            | 60                              | 3521  | 9,5/5,5 | 9,35   | 0,91  | 11,4            | - | 3,9    | - | 4,5       | -          | -    | -    |                  |
|              |                                 |                                 |       |         |        |       |                 |   |        |   |           |            |      |      |                  |
|              |                                 |                                 |       |         |        |       |                 |   |        |   |           |            |      |      |                  |

### Mechanical Data

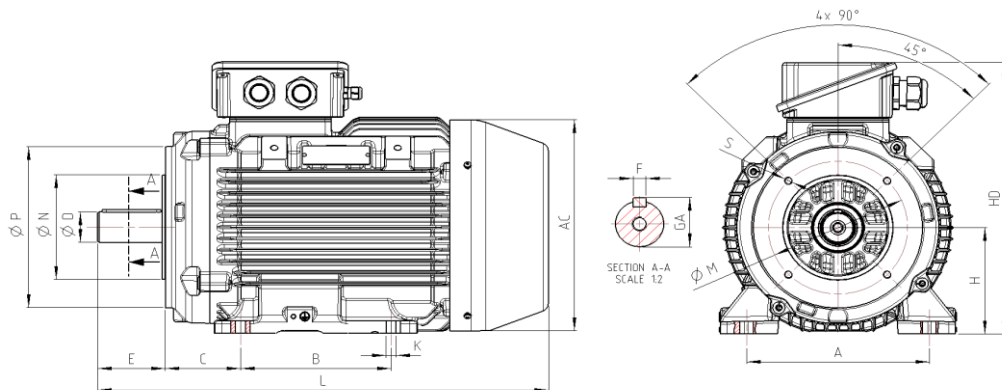
|                            |            |                          |                 |
|----------------------------|------------|--------------------------|-----------------|
| Bearing DE                 | 6306-ZZ C3 | Color                    | RAL 3009        |
| Bearing NDE                | 6205-ZZ 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           | 63          |
|                          |               | Moment of Inertia (kg.mm <sup>2</sup> ) | 0,0053618   |
|                          |               | 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  |
| 203             | 416 | 140                 | 160 | 100 | 266 | 12 | 63 | 28    | 60 | 31 | 8 | 160                   | 110 | 130 | M8 |