



WAT Motor  
Sanayi ve Ticaret A.Ş.



## Three Phase Squirrel Cage Induction Motor

Motor Type: Q1HPC100L4-8A

### 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>D | YY  | M <sub>A</sub> / M <sub>N</sub><br>D | YY  | Mk/ Mn<br>Nm | 4/4 | 3/4        | 2/4 | IE             |                  |
| 380          | 0,8   | 50 | 710   | 2,7     | 10,8   | 0,61  | 3,9                                  |     | 1,1                                  |     | 2,5          |     |            |     |                |                  |
| 380          | 1,4   | 50 | 1440  | 3,1     | 9,3    | 0,87  |                                      | 6,4 |                                      | 2,0 | 2,8          |     |            |     |                |                  |
|              |       |    |       |         |        |       |                                      |     |                                      |     |              |     |            |     |                |                  |
|              |       |    |       |         |        |       |                                      |     |                                      |     |              |     |            |     |                |                  |

### Mechanical Data

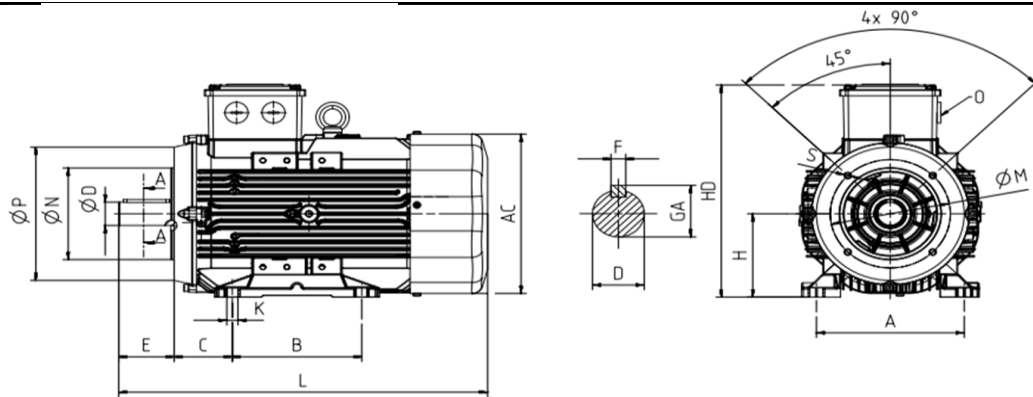
|                            |                       |                          |                 |
|----------------------------|-----------------------|--------------------------|-----------------|
| Bearing DE                 | 6306-ZZ               | Color                    | Optional        |
| Bearing NDE                | 6205-ZZ               | Motor protection         | Optional        |
| Lubricants                 | Shell Gadus S2 V100Q2 | Method of cooling        | IC 411          |
| Condensation drain hole    | No                    | Terminal box position    | Top             |
| External earthing terminal | Yes                   | Material of terminal box | Aluminium       |
| Vibration class            | A                     | Terminal plate thread    | M5              |
| Insulation class           | F                     | Cable gland              | 1xM25           |
| Duty type                  | S1                    | Clamping range           | 13-18 mm        |
| Direction of rotation      | Clockwise             | Mounting type            | IM 2101 (B34-A) |
| Housing material           | Aluminum              |                          |                 |
| Type of balancing          | Half Key              |                          |                 |

### Enviromental Data

### Others

|                          |               |                                      |             |
|--------------------------|---------------|--------------------------------------|-------------|
| Ambient temperature      | -20 / + 40 °C | Type of protection                   | IP56        |
| Altitude above sea level | 1000 m        | Sound pressure level 50/60Hz         | 70 dBA      |
|                          |               | Moment of inertia ( $\text{kgm}^2$ ) | 0,00398     |
|                          |               | Standard                             | IEC 60034-1 |
|                          |               | Weight (kg)                          | 27,0        |

### 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  |
| 191             | 400 | 140                 | 160 | 100 | 243 | 12 | 63 | 28    | 60 | 31 | 8 | 160                   | 110 | 130 | M8 |