



WAT Motor  
Sanayi ve Ticaret A.Ş.



## Three Phase Squirrel Cage Induction Motor

Motor Type: Q3HPC112M4E

### Electrical Data

| RATED VALUES |       |    |       |           |        |            | STARTING VALUES |     |             |     | BREAKDOWN    | EFFICIENCY |      |      | EFFICIENCY CLASS |
|--------------|-------|----|-------|-----------|--------|------------|-----------------|-----|-------------|-----|--------------|------------|------|------|------------------|
| VOLTAGE      | POWER |    | SPEED | CURRENT   | TORQUE | CoS $\Phi$ | CURRENT         |     | TORQUE      |     | TORQUE       |            |      |      | IEC 60034-30-1   |
| V            | kW    | Hz | rpm   | A         | Nm     | 4/4        | $I_A / I_N$     | D   | $M_A / M_N$ | D   | Mk/ Mn<br>Nm | 4/4        | 3/4  | 2/4  | IE               |
| 400/690      | 5,5   | 50 | 1443  | 11,25/6,5 | 36,4   | 0,80       |                 | 8,5 |             | 3,1 | 3,8          | 89,6       | 89,2 | 88,3 | IE3              |
| 460/795      | 5,5   | 60 | 1784  | 9,5/5,5   | 29,4   | 0,80       |                 | 8,1 |             | 3,4 | 5,0          | 91,7       | 91,3 | 90,4 | IE3              |
|              |       |    |       |           |        |            |                 |     |             |     |              |            |      |      |                  |
|              |       |    |       |           |        |            |                 |     |             |     |              |            |      |      |                  |

### Mechanical Data

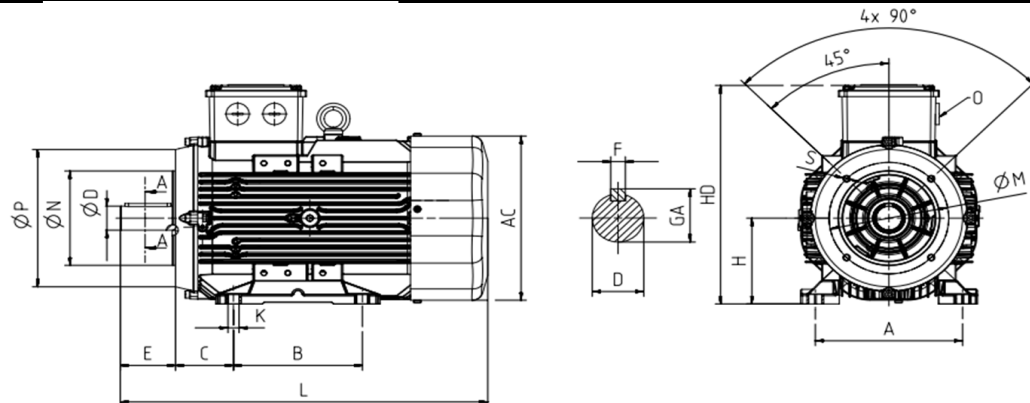
|                            |                       |                          |                 |
|----------------------------|-----------------------|--------------------------|-----------------|
| Bearing DE                 | 6306-ZZ               | Color                    | Optional        |
| 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           | Aluminium             |                          |                 |
| 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          | dBA 60      |
|                          |               | Moment of inertia (kgm <sup>2</sup> ) | 0,01527     |
|                          |               | Standard                              | IEC 60034-1 |
|                          |               | Weight (kg)                           | 40,0        |

### 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  |
| 210             | 421 | 140                 | 190 | 112 | 265 | 12 | 70 | 28    | 60 | 31 | 8 | 160                   | 110 | 130 | M8 |