



WAT Motor  
Sanayi ve Ticaret A.Ş.



## Three Phase Squirrel Cage Induction Motor

Motor Type: Q3HFC112M2DE

### 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 <sub>A</sub> / I <sub>N</sub> | D     | M <sub>A</sub> / M <sub>N</sub> | Mk / Mn |           |            |      |      |                  |
| 400/690      | 7,5   | 50 | 2918  | 13,9/8,0 | 24,5   | 0,88       |                                 | 12,6  |                                 | 4,8     | 5,9       | 90,1       | 90,3 | 89,1 | IE3              |
| 460/795      | 7,5   | 60 | 3515  | 11,7/6,6 | 20,4   | 0,91       |                                 | 14,00 |                                 | 5,33    | 7,80      | 90,2       | 90,1 | 88,8 | IE3              |
|              |       |    |       |          |        |            |                                 |       |                                 |         |           |            |      |      |                  |
|              |       |    |       |          |        |            |                                 |       |                                 |         |           |            |      |      |                  |

### Mechanical Data

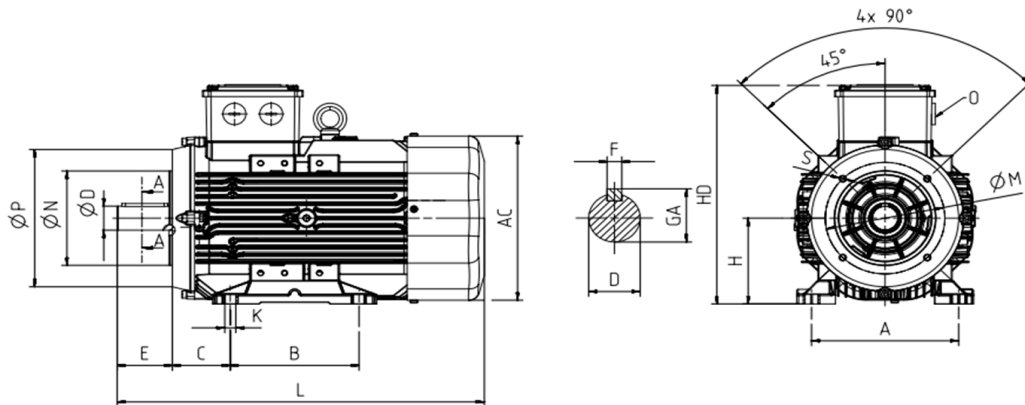
|                            |                       |                          |                 |
|----------------------------|-----------------------|--------------------------|-----------------|
| Bearing DE                 | 6306-ZZ               | Color                    | Optional        |
| 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 3601 (B14-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 71      |
|                          |               | Moment of inertia (kgm <sup>2</sup> ) | 0,00921     |
|                          |               | Standard                              | IEC 60034-1 |
|                          |               | Weight (kg)                           | 41,0        |

### 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 |                     |   |   |    |   |   | 28    | 60 | 31 | 8 | 160                   | 110 | 130 | M8 |