



WAT Motor  
Sanayi ve Ticaret A.Ş.



## Three Phase Squirrel Cage Induction Motor

Motor Type: Q4EFC63M2B

### 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> | D | Mk / Mn<br>Nm | 4/4        | 3/4  | 2/4  | IE               |
| 230/400      | 0,18  | 50 | 2870  | 0,8/0,5  | 0,6    | 0,80       | 6,90                            |   | 3,50                            |   | 3,70          | 70,8       | 69,6 | 63,9 | IE4              |
| 265/460      | 0,18  | 60 | 3493  | 0,7/0,41 | 0,5    | 0,80       | 6,45                            |   | 3,83                            |   | 4,91          | 70         | 68,8 | 63,9 | IE4              |
|              |       |    |       |          |        |            |                                 |   |                                 |   |               |            |      |      |                  |
|              |       |    |       |          |        |            |                                 |   |                                 |   |               |            |      |      |                  |

### Mechanical Data

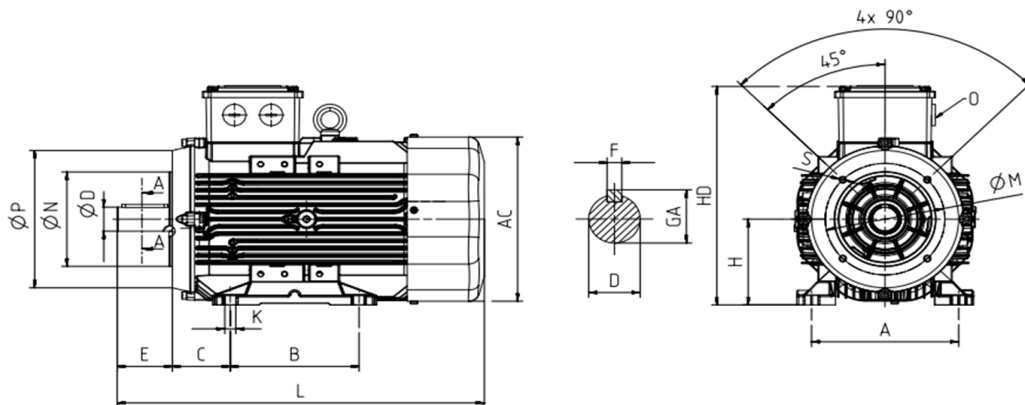
|                            |                       |                          |                 |
|----------------------------|-----------------------|--------------------------|-----------------|
| Bearing DE                 | 6201-ZZ               | Color                    | Optional        |
| Bearing NDE                | 6201-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    | M4              |
| Insulation class           | F                     | Cable gland              | 1xM20           |
| Duty type                  | S1                    | Clamping range           | 10-14 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 52      |
|                          |               | Moment of inertia (kgm <sup>2</sup> ) | 0,00025     |
|                          |               | Standard                              | IEC 60034-1 |
|                          |               | Weight (kg)                           | 5,2         |

### 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  |
| 123             | 220 |                     |   |   |    |   |   | 11    | 23 | 12,5 | 4 | 90                    | 60 | 75 | M5 |