



WAT Motor  
Sanayi ve Ticaret A.Ş.



## Three Phase Squirrel Cage Induction Motor

Motor Type: Q2EPC71M6B

### 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> | D | M <sub>A</sub> / M <sub>N</sub> | D | Mk/ M <sub>N</sub> | Nm         | 4/4  | 3/4  | 2/4              | IE  |
| 230/400      | 0,18  | 50 | 928   | 1,33/0,77 | 1,9    | 0,58  | 3,0                             |   | 2,4                             |   | 2,9                |            | 56,6 | 52,5 | 44,2             | IE2 |
| 265/460      | 0,18  | 60 | 1142  | 1,25/0,72 | 1,5    | 0,52  | 2,9                             |   | 2,7                             |   | 3,8                |            | 55   | 54,2 | 49,1             | IE2 |
|              |       |    |       |           |        |       |                                 |   |                                 |   |                    |            |      |      |                  |     |
|              |       |    |       |           |        |       |                                 |   |                                 |   |                    |            |      |      |                  |     |

### Mechanical Data

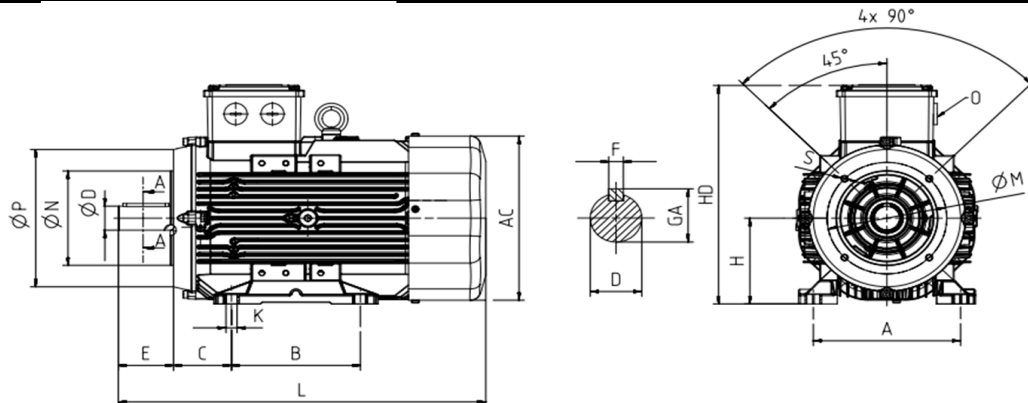
|                            |                       |                          |                 |
|----------------------------|-----------------------|--------------------------|-----------------|
| Bearing DE                 | 6202-ZZ               | Color                    | Optional        |
| Bearing NDE                | 6202-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 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          | dBA 62      |
|                          |               | Moment of inertia (kgm <sup>2</sup> ) | 0,00095     |
|                          |               | Standard                              | IEC 60034-1 |
|                          |               | Weight (kg)                           | 5,9         |

### 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  |
| 138             | 253 | 90                  | 112 | 71 | 178 | 7 | 45 | 14    | 30 | 16 | 5 | 105                   | 70 | 85 | M6 |