



WAT Motor  
Sanayi ve Ticaret A.Ş.



## Three Phase Squirrel Cage Induction Motor

Motor Type: Q2EFB63M4B

### 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        | $I_A / I_N$     | Y | D      | $M_A / M_N$ | Y         | D          | Mk/ Mn<br>Nm | 4/4  | 3/4              | 2/4  | IE  |
| 230/400      | 0,18  | 50 | 1350  | 0,96/0,55 | 1,3    | 0,72       | 3,6             |   |        | 2,3         |           |            | 2,6          | 64,7 | 66,3             | 60,5 | IE2 |
| 265/460      | 0,18  | 60 | 1690  | 0,88/0,51 | 1,0    | 0,63       | 3,4             |   |        | 4,0         |           |            | 3,4          | 68   | 71,5             | 67,9 | IE2 |
|              |       |    |       |           |        |            |                 |   |        |             |           |            |              |      |                  |      |     |
|              |       |    |       |           |        |            |                 |   |        |             |           |            |              |      |                  |      |     |

### Mechanical Data

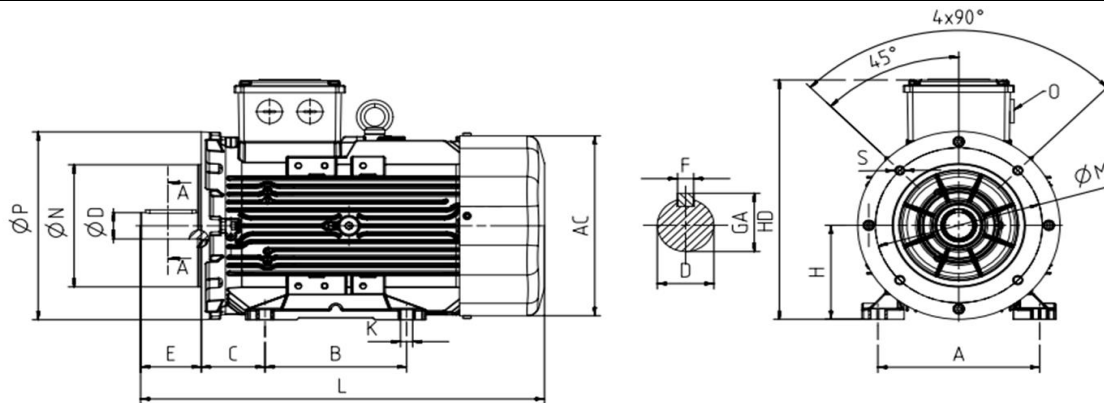
|                            |                       |                          |                 |
|----------------------------|-----------------------|--------------------------|-----------------|
| Bearing DE                 | 6201-ZZ               | Color                    | Optional        |
| 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-B) |
| 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 48      |
|                          |               | Moment of inertia ( $kq\,m^2$ ) | 0,00026     |
|                          |               | Standard                        | IEC 60034-1 |
|                          |               | Weight (kg)                     | 4,8         |

### 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 | 120                   | 80 | 100 | M6 |