



WAT Motor  
Sanayi ve Ticaret A.Ş.



## Three Phase Squirrel Cage Induction Motor

Motor Type: Q3HSPB100L4C

### 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 | $M_A / M_N$ | Mk/ Mn<br>Nm | 4/4        | 3/4  | 2/4  | IE               |
| 230/400      | 2,2   | 50 | 1452  | 9,5/5,5 | 14,5   | 0,68       | 8,9             |   | 4,2         | 4,7          | 86,7       | 84,4 | 80,9 | IE3              |
| 265/460      | 2,2   | 60 | 1752  | 9,6/5,5 | 12,0   | 0,68       | 8,50            |   | 9,89        | 6,22         | 89,5       | 88,2 | 86,2 | IE3              |
|              |       |    |       |         |        |            |                 |   |             |              |            |      |      |                  |
|              |       |    |       |         |        |            |                 |   |             |              |            |      |      |                  |

### Mechanical Data

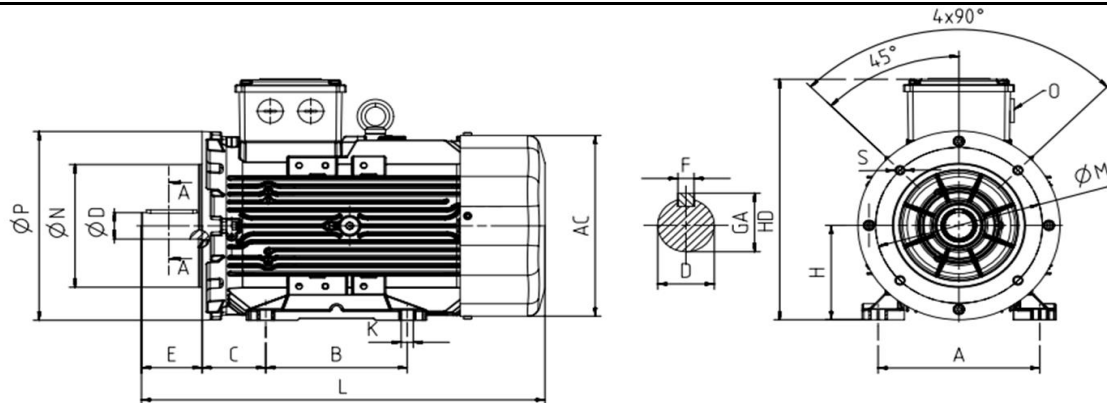
|                            |                       |                          |                 |
|----------------------------|-----------------------|--------------------------|-----------------|
| Bearing DE                 | 6306-ZZ               | Color                    | Optional        |
| 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-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 54      |
|                          |               | Moment of inertia ( $kgm^2$ ) | 0,00690     |
|                          |               | Standard                      | IEC 60034-1 |
|                          |               | Weight (kg)                   | 25,0        |

### 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   |
| 172             | 384 | 140                 | 160 | 100 | 233 | 12 | 63 | 28    | 60 | 31 | 8 | 200                   | 130 | 165 | M10 |