



WAT Motor  
Sanayi ve Ticaret A.Ş.



## Three Phase Squirrel Cage Induction Motor

Motor Type: Q3NRPA100S4C40

### 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/ Mn<br>Nm | 4/4        | 3/4  | 2/4  | IE               |
| 230/400      | 2,2   | 50 | 1443  | 8,3/4,8 | 14,6   | 0,78  | 8,1                             |   | 3,2                             |   | 3,9          | 86,7       | 86,4 | 85,1 | IE3              |
|              |       |    |       |         |        |       |                                 |   |                                 |   |              |            |      |      |                  |
|              |       |    |       |         |        |       |                                 |   |                                 |   |              |            |      |      |                  |
|              |       |    |       |         |        |       |                                 |   |                                 |   |              |            |      |      |                  |

### Mechanical Data

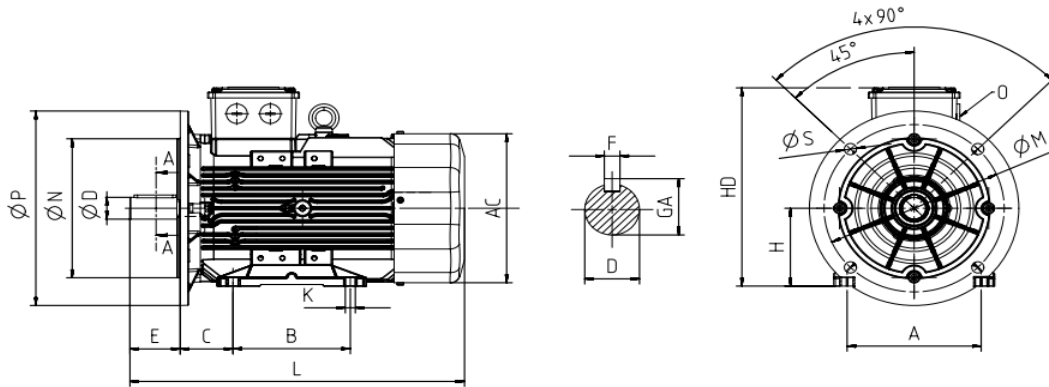
|                            |                       |                          |               |
|----------------------------|-----------------------|--------------------------|---------------|
| Bearing DE                 | 6206-ZZ               | Color                    | Optional      |
| Bearing NDE                | 6206-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 2001 (B35) |
| Housing material           | Aluminum              |                          |               |
| Type of balancing          | Half Key              |                          |               |

### Enviromental Data

### Others

|                          |               |                                       |             |
|--------------------------|---------------|---------------------------------------|-------------|
| Ambient temperature      | -20 / + 40 °C | Type of protection                    | IP55        |
| Altitude above sea level | 1000 m        | Sound pressure level 50/60Hz          | dBA 58      |
|                          |               | Moment of inertia (kgm <sup>2</sup> ) | 0,00648     |
|                          |               | Standard                              | IEC 60034-1 |
|                          |               | Weight (kg)                           | 20,1        |

### 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    |
| 196             | 340 | 140                 | 160 | 100 | 243 | 12 | 63 | 28    | 60 | 31 | 8 | 250                   | 180 | 215 | 14,5 |

B34b