



WAT Motor  
Sanayi ve Ticaret A.Ş.



### Three Phase Squirrel Cage Induction Motor

Motor Type: Q3NFC100L4D40

#### 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> | Y | D         | Mk / Mn    | 4/4  | 3/4  | 2/4              | IE  |
| 230/400      | 3     | 50 | 1445  | 11,4/6,6 | 19,8   | 0,76  | 7,9                             |   | 3,4                             |   |           | 3,9        | 87,7 | 87,1 | 85,9             | IE3 |
| 265/460      | 3     | 60 | 1755  | 10,0/5,8 | 16,3   | 0,73  | 7,5                             |   | 3,8                             |   |           | 5,2        | 89,5 | 88,3 | 86,2             | IE3 |
|              |       |    |       |          |        |       |                                 |   |                                 |   |           |            |      |      |                  |     |
|              |       |    |       |          |        |       |                                 |   |                                 |   |           |            |      |      |                  |     |

#### Mechanical Data

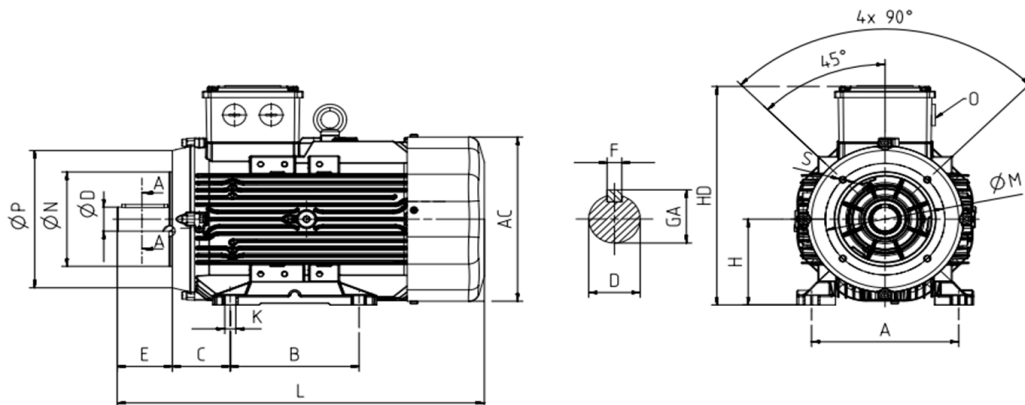
|                            |                       |                          |                 |
|----------------------------|-----------------------|--------------------------|-----------------|
| Bearing DE                 | 6206-ZZ               | Color                    | Optional        |
| 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 3601 (B14-A) |
| 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> ) | 0,00847     |
|                          |               | Standard                              | IEC 60034-1 |
|                          |               | Weight (kg)                           | 24,0        |

#### 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  |
| 196             | 370 |                     |   |   |    |   |   | 28    | 60 | 31 | 8 | 160                   | 110 | 130 | M8 |