



WAT Motor  
Sanayi ve Ticaret A.Ş.



## Three Phase Squirrel Cage Induction Motor

Motor Type: Q3HPA200L8D

### 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               |
| 400/690      | 15    | 50 | 732   | 38,39/22,2 | 195,7  | 0,63  |                                 | 3,90 |                                 | 1,42 | 2,12          | 89,6       | 90   | 89   | IE3              |
| 460/795      | 15    | 60 | 885   | 33,9/19,6  | 161,9  | 0,62  |                                 | 3,72 |                                 | 1,58 | 2,80          | 90,2       | 90,6 | 89,6 | IE3              |
|              |       |    |       |            |        |       |                                 |      |                                 |      |               |            |      |      |                  |
|              |       |    |       |            |        |       |                                 |      |                                 |      |               |            |      |      |                  |

### Mechanical Data

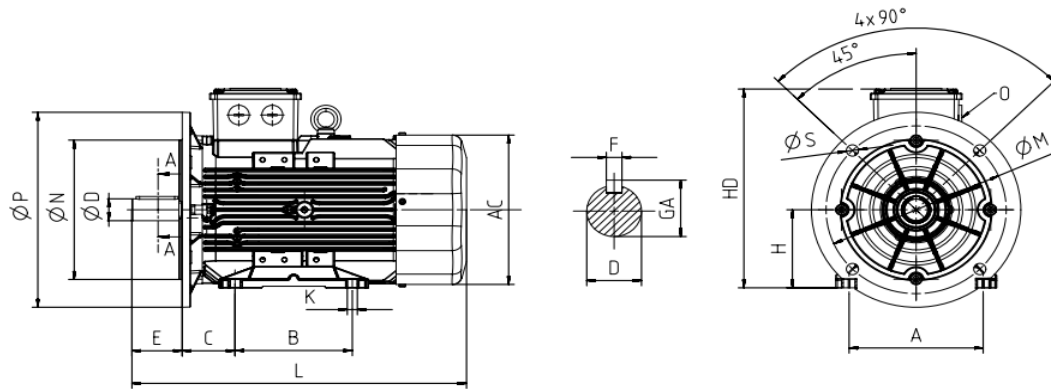
|                            |                       |                          |               |
|----------------------------|-----------------------|--------------------------|---------------|
| Bearing DE                 | 6312-ZZ               | Color                    | Optional      |
| Bearing NDE                | 6310-ZZ               | Motor protection         | Optional      |
| Lubricants                 | Shell Gadus S5 V220-2 | 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    | M8            |
| Insulation class           | F                     | Cable gland              | 1xM50         |
| Duty type                  | S1                    | Clamping range           | 30-38 mm      |
| Direction of rotation      | Clockwise             | Mounting type            | IM 2001 (B35) |
| Housing material           | Aluminium             |                          |               |
| 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 79      |
|                          |               | Moment of inertia (kgm <sup>2</sup> ) | 0,22166     |
|                          |               | Standard                              | IEC 60034-1 |
|                          |               | Weight (kg)                           | 195,0       |

### 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    |
| 349             | 759 | 267-305             | 318 | 200 | 455 | 18,5 | 133 | 55    | 110 | 59 | 16 | 400                   | 300 | 350 | 18,5 |

B34b