



WAT Motor  
Sanayi ve Ticaret A.Ş.



## Three Phase Squirrel Cage Induction Motor

Motor Type: Q3HFA100L6D

### 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      | 1,5   | 50 | 947   | 7/4,1   | 15,1   | 0,72  | 5,57                            |   | 2,25                            |   | 2,90          | 82,5       | 81,7 | 78,2 | IE3              |
| 265/460      | 1,5   | 60 |       |         |        |       |                                 |   |                                 |   |               |            |      |      | 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 3001 (B5) |
| 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 70      |
|                          |               | Moment of inertia (kgm <sup>2</sup> ) | 0,01059     |
|                          |               | Standard                              | IEC 60034-1 |
|                          |               | Weight (kg)                           | 26,0        |

### 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    |
| 191             | 400 |                     |   |   |    |   |   | 28    | 60 | 31 | 8 | 250                   | 180 | 215 | 14,5 |