



WAT Motor  
Sanayi ve Ticaret A.Ş.



## Three Phase Squirrel Cage Induction Motor

Motor Type: Q3EFA71M4E

### 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 <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      | 0,55  | 50 | 1425  | 2,48/1,43 | 3,7    | 0,71       | 5,5                             |   | 2,8                             |   | 3,0           | 80,8       | 78,6 | 75,5 | IE3              |
| 265/460      | 0,55  | 60 | 1737  | 2,23/1,29 | 3,0    | 0,68       | 5,25                            |   | 6,11                            |   | 3,97          | 81,1       | 69,8 | 66,2 | IE3              |
|              |       |    |       |           |        |            |                                 |   |                                 |   |               |            |      |      |                  |
|              |       |    |       |           |        |            |                                 |   |                                 |   |               |            |      |      |                  |

### Mechanical Data

|                            |                       |                          |              |
|----------------------------|-----------------------|--------------------------|--------------|
| Bearing DE                 | 6202-ZZ               | Color                    | Optional     |
| Bearing NDE                | 6202-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    | M4           |
| Insulation class           | F                     | Cable gland              | 1xM20        |
| Duty type                  | S1                    | Clamping range           | 10-14 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         |
|                          |               | Moment of inertia (kgm <sup>2</sup> ) | 0,00127     |
|                          |               | Standard                              | IEC 60034-1 |
|                          |               | Weight (kg)                           | 9,3         |

### 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  |
| 138             | 262 |                     |   |   |    |   |   | 14    | 30 | 16 | 5 | 160                   | 110 | 130 | 10 |