



WAT Motor  
Sanayi ve Ticaret A.Ş.



### Three Phase Squirrel Cage Induction Motor

Motor Type: Q3HFB80M6B

#### 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        | $I_A / I_N$     | Y | D      | $M_A / M_N$ | Mk/ Mn<br>Nm | 4/4        | 3/4  | 2/4  | IE               |
| 230/400      | 0,55  | 50 | 940   | 2,67/1,54 | 5,6    | 0,73       | 4,1             |   |        | 1,7         | 2,3          | 77,2       | 77,9 | 75,4 | IE3              |
| 265/460      | 0,55  | 60 | 1150  | 1,14/0,67 | 4,6    | 0,67       | 3,9             |   |        | 1,9         | 3,1          | 81,7       | 80,9 | 77,8 | IE3              |
|              |       |    |       |           |        |            |                 |   |        |             |              |            |      |      |                  |
|              |       |    |       |           |        |            |                 |   |        |             |              |            |      |      |                  |

#### Mechanical Data

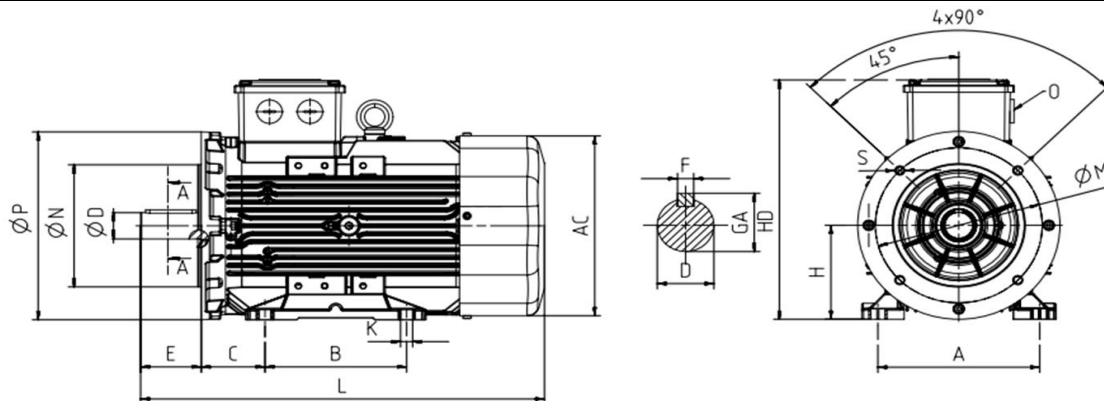
|                            |                       |                          |                 |
|----------------------------|-----------------------|--------------------------|-----------------|
| Bearing DE                 | 6204-ZZ               | Color                    | Optional        |
| Bearing NDE                | 6204-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 3601 (B14-B) |
| Housing material           | Aluminum              |                          |                 |
| 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 ( $kgm^2$ ) | 0,00188     |
|                          |               | Standard                      | IEC 60034-1 |
|                          |               | Weight (kg)                   | 15,0        |

#### 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  |
| 158             | 293 | —                   | — | — | —  | — | — | 19    | 40 | 21,5 | 6 | 160                   | 110 | 130 | M8 |