



WAT Motor  
Sanayi ve Ticaret A.Ş.



### Three Phase Squirrel Cage Induction Motor

Motor Type: Q4H80M4E

#### 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   | $I_A / I_N$     | D | $M_A / M_N$ | D | Mk/ Mn<br>Nm | 4/4        | 3/4  | 2/4  | IE               |
| 230/400      | 0,75  | 50 | 1453  | 2,9/1,7  | 4,9    | 0,76  | 8,0             |   | 3,5         |   | 4,2          | 85,7       | 83,9 | 81,1 | IE4              |
| 265/460      | 0,75  | 60 | 1758  | 2,7/1,53 | 4,1    | 0,73  | 6,6             |   | 2,5         |   | 3,5          | 85,5       | 83,7 | 81   | IE4              |
|              |       |    |       |          |        |       |                 |   |             |   |              |            |      |      |                  |
|              |       |    |       |          |        |       |                 |   |             |   |              |            |      |      |                  |

#### Mechanical Data

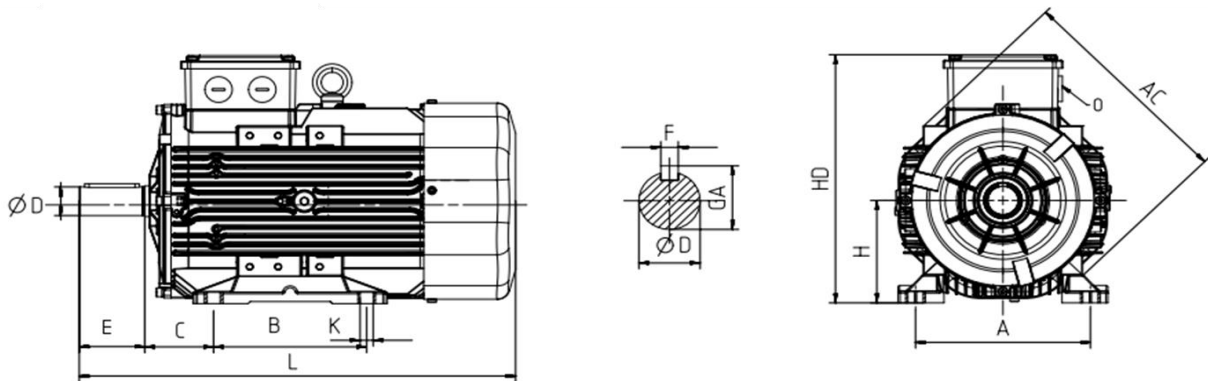
|                            |                       |                          |              |
|----------------------------|-----------------------|--------------------------|--------------|
| Bearing DE                 | 6204-ZZ               | Color                    | Optional     |
| Bearing 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 1001 (B3) |
| Housing material           | Aluminum              |                          |              |
| Type of balancing          | Half Key              |                          |              |

#### Environmental Data

#### Others

|                          |               |                                       |             |
|--------------------------|---------------|---------------------------------------|-------------|
| Ambient temperature      | -20 / + 40 °C | Type of protection                    | IP56        |
| Altitude above sea level | 1000 m        | Sound pressure level 50/60Hz          | 52 dBA      |
|                          |               | Moment of inertia (kgm <sup>2</sup> ) | 0,00306     |
|                          |               | Standard                              | IEC 60034-1 |
|                          |               | Weight (kg)                           | 13,9        |

#### 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 | 100                 | 125 | 80 | 216 | 10 | 50 | 19    | 40 | 21,5 | 6 |                       |   |   |   |