



WAT Motor  
Sanayi ve Ticaret A.Ş.



### Three Phase Squirrel Cage Induction Motor

Motor Type: Q2H80M6B

#### Electrical Data

| RATED VALUES |       |    |       |           |        |       | STARTING VALUES                 |   |                                 |   | BREAKDOWN | EFFICIENCY |      |      | EFFICIENCY CLASS |
|--------------|-------|----|-------|-----------|--------|-------|---------------------------------|---|---------------------------------|---|-----------|------------|------|------|------------------|
| VOLTAGE      | POWER |    | SPEED | CURRENT   | TORQUE | Cos Φ | CURRENT                         |   | TORQUE                          |   | TORQUE    |            |      |      | IEC 60034-30-1   |
|              |       |    |       |           |        |       | I <sub>A</sub> / I <sub>N</sub> |   | M <sub>A</sub> / M <sub>N</sub> |   | Mk/ Mn    |            |      |      |                  |
| V            | kW    | Hz | rpm   | A         | Nm     | 4/4   | Y                               | D | Y                               | D | Nm        | 4/4        | 3/4  | 2/4  | IE               |
| 230/400      | 0,55  | 50 | 942   | 2,78/1,61 | 5,6    | 0,70  | 4,10                            |   | 1,82                            |   | 2,30      | 73,1       | 70,6 | 65,9 | IE2              |
| 265/460      | 0,55  | 60 | 1153  | 2,48/1,43 | 4,6    | 0,64  | 3,91                            |   | 2,02                            |   | 3,04      | 68         | 71   | 67,2 | IE2              |
|              |       |    |       |           |        |       |                                 |   |                                 |   |           |            |      |      |                  |
|              |       |    |       |           |        |       |                                 |   |                                 |   |           |            |      |      |                  |

#### Mechanical Data

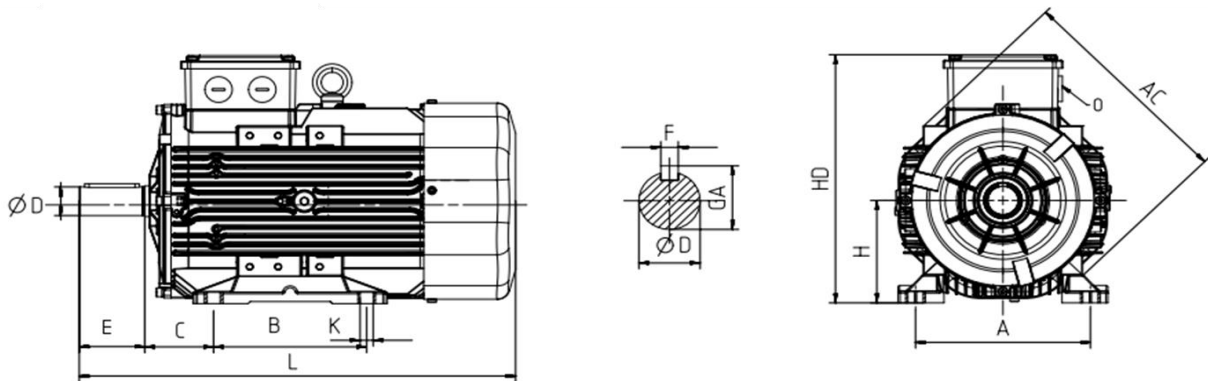
|                            |                       |                          |              |
|----------------------------|-----------------------|--------------------------|--------------|
| Bearing DE                 | 6204-ZZ               | Color                    | Optional     |
| Bearing 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              |                          |              |

#### Enviromental Data

#### Others

|                          |               |                                       |             |
|--------------------------|---------------|---------------------------------------|-------------|
| Ambient temperature      | -20 / + 40 °C | Type of protection                    | IP56        |
| Altitude above sea level | 1000 m        | Sound pressure level 50/60Hz          | 64 dBA      |
|                          |               | Moment of inertia (kgm <sup>2</sup> ) | 0,00140     |
|                          |               | Standard                              | IEC 60034-1 |
|                          |               | Weight (kg)                           | 11,5        |

#### 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             | 268 | 100                 | 125 | 80 | 216 | 10 | 50 | 19    | 40 | 21,5 | 6 |                       |   |   |   |