



WAT Motor  
Sanayi ve Ticaret A.Ş.



## Three Phase Squirrel Cage Induction Motor

Motor Type: Q4HPA80M2DE

### 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        | Y               | I <sub>A</sub> / I <sub>N</sub><br>D | Y      | M <sub>A</sub> / M <sub>N</sub><br>D | Mk / Mn<br>Nm | 4/4        | 3/4  | 2/4  | IE               |
| 230/400      | 1,1   | 50 | 2915  | 4,1/2,4 | 3,6    | 0,80       | 12,0            |                                      | 6,1    |                                      | 5,8           | 85,2       | 83,7 | 80,6 | IE4              |
| 265/460      | 1,1   | 60 | 3525  | 3,7/2,1 | 3,0    | 0,79       | 10,0            |                                      | 4,3    |                                      | 4,8           | 85,5       | 84   | 80,8 | IE4              |
|              |       |    |       |         |        |            |                 |                                      |        |                                      |               |            |      |      |                  |
|              |       |    |       |         |        |            |                 |                                      |        |                                      |               |            |      |      |                  |

### Mechanical Data

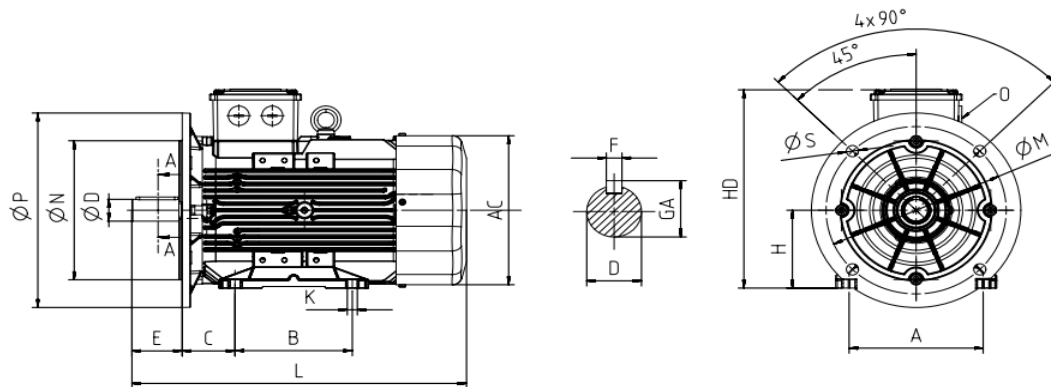
|                            |                       |                          |               |
|----------------------------|-----------------------|--------------------------|---------------|
| Bearing DE                 | 6204-ZZ               | Color                    | Optional      |
| Bearing 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 2001 (B35) |
| 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 <sup>2</sup> ) | 0,00224     |
|                          |               | Standard                              | IEC 60034-1 |
|                          |               | Weight (kg)                           | 14,8        |

### 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 | 200                   | 130 | 165 | 12 |

B34b