



WAT Motor  
Sanayi ve Ticaret A.Ş.



## Three Phase Squirrel Cage Induction Motor

Motor Type: Q1EPA71M2-4A

### 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        | $I_A / I_N$     | $I_N$ | $M_A / M_N$ | Mk/ Mn<br>Nm | 4/4        | 3/4 | 2/4 | IE               |
| 400          | 0,2   | 50 | 1450  | 0,8     | 1,3    | 0,58       | 4,3             |       | 2,9         | 3,6          |            |     |     |                  |
| 400          | 0,3   | 50 | 2875  | 1,1     | 1,0    | 0,66       |                 | 3,9   | 2,3         | 3,2          |            |     |     |                  |
|              |       |    |       |         |        |            |                 |       |             |              |            |     |     |                  |
|              |       |    |       |         |        |            |                 |       |             |              |            |     |     |                  |

### Mechanical Data

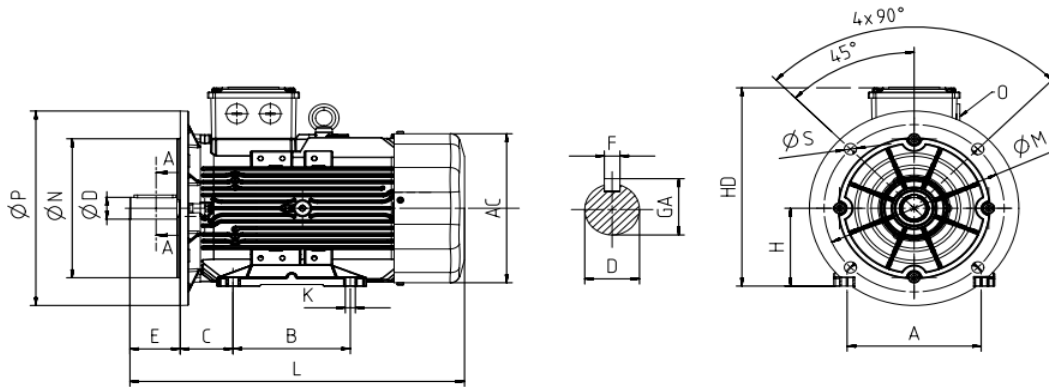
|                            |                       |                          |               |
|----------------------------|-----------------------|--------------------------|---------------|
| Bearing DE                 | 6202-ZZ               | Color                    | Optional      |
| Bearing 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 2001 (B35) |
| Housing material           | Aluminum              |                          |               |
| Type of balancing          | Half Key              |                          |               |

### Enviromental Data

### Others

|                          |               |                               |             |
|--------------------------|---------------|-------------------------------|-------------|
| Ambient temperature      | -20 / + 40 °C | Type of protection            | IP55        |
| Altitude above sea level | 1000 m        | Sound pressure level 50/60Hz  | dBA 58      |
|                          |               | Moment of inertia ( $kgm^2$ ) | 0,00072     |
|                          |               | Standard                      | IEC 60034-1 |
|                          |               | Weight (kg)                   | 6,1         |

### 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             | 253 | 90                  | 112 | 71 | 178 | 7 | 45 | 14    | 30 | 16 | 5 | 160                   | 110 | 130 | 10 |

B34b