



WAT Motor  
Sanayi ve Ticaret A.Ş.



## Three Phase Squirrel Cage Induction Motor

Motor Type: Q4HFA132S4C

### 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        | $I_A / I_N$     | D    | $M_A / M_N$ | D   | Mk/ Mn<br>Nm | 4/4        | 3/4  | 2/4  | IE               |
| 400/690      | 5,5   | 50 | 1478  | 12,0/7,0 | 35,5   | 0,73       |                 | 10,1 |             | 3,5 | 5,1          | 91,9       | 91,2 | 89,9 | IE4              |
| 460/795      | 5,5   | 60 | 1778  | 11,6/6,7 | 29,5   | 0,75       |                 | 8,7  |             | 2,4 | 4,0          | 92,4       | 91,5 | 90,1 | IE4              |
|              |       |    |       |          |        |            |                 |      |             |     |              |            |      |      |                  |
|              |       |    |       |          |        |            |                 |      |             |     |              |            |      |      |                  |

### Mechanical Data

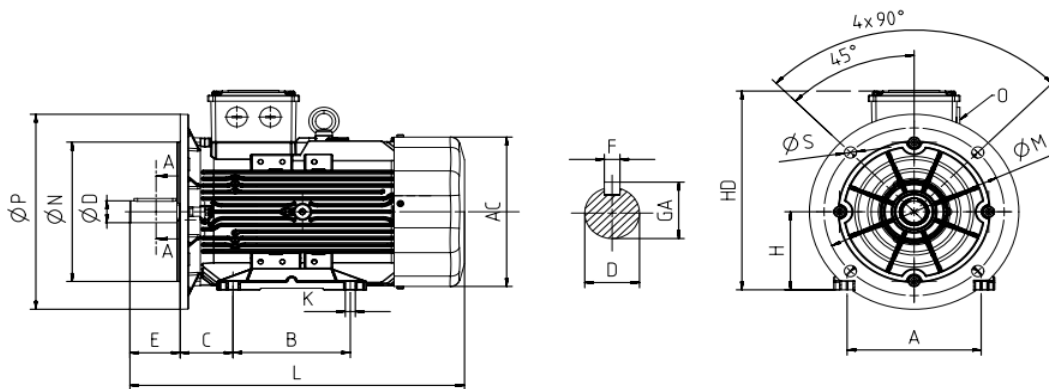
|                            |                       |                          |              |
|----------------------------|-----------------------|--------------------------|--------------|
| Bearing DE                 | 6208-ZZ               | Color                    | Optional     |
| Bearing NDE                | 6208-ZZ               | Motor protection         | Optional     |
| Lubricants                 | Shell Gadus S5 V220-2 | 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    | M6           |
| Insulation class           | F                     | Cable gland              | 1xM32        |
| Duty type                  | S1                    | Clamping range           | 18-25 mm     |
| Direction of rotation      | Clockwise             | Mounting type            | IM 3001 (B5) |
| Housing material           | Aluminium             |                          |              |
| 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<br>60   |
|                          |               | Moment of inertia (kgm <sup>2</sup> ) | 0,03847     |
|                          |               | Standard                              | IEC 60034-1 |
|                          |               | Weight (kg)                           | 57,5        |

### 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    |
| 260             | 481 |                     |   |   |    |   |   | 38    | 80 | 41 | 10 | 300                   | 230 | 265 | 14,5 |