



WAT Motor  
Sanayi ve Ticaret A.Ş.



### Three Phase Squirrel Cage Induction Motor

Motor Type: Q3HS132S2C

#### 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 | 2920  | 10,5/6,1 | 18,0   | 0,86       |                 | 12,2  |             | 5,0  | 6,1          | 89,2       | 88,9 | 87,5 | IE3              |
| 460/795      | 5,5   | 60 | 3533  | 8,6/5    | 14,9   | 0,89       |                 | 13,55 |             | 5,55 | 8,07         | 89,5       | 89,2 | 87,6 | IE3              |
|              |       |    |       |          |        |            |                 |       |             |      |              |            |      |      |                  |
|              |       |    |       |          |        |            |                 |       |             |      |              |            |      |      |                  |

#### Mechanical Data

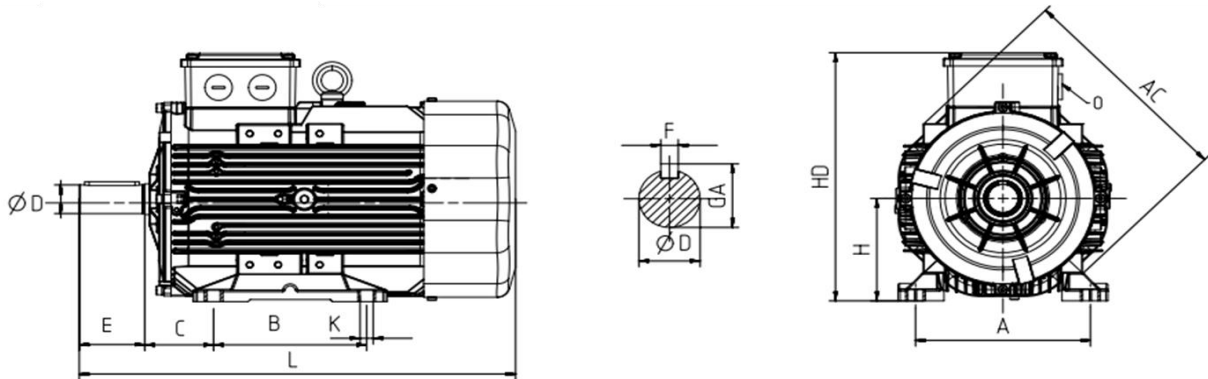
|                            |                       |                          |              |
|----------------------------|-----------------------|--------------------------|--------------|
| Bearing DE                 | 6208-ZZ               | Color                    | Optional     |
| Bearing NDE                | 6206-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    | M5           |
| Insulation class           | F                     | Cable gland              | 1xM25        |
| Duty type                  | S1                    | Clamping range           | 18-25 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          | 71 dBA      |
|                          |               | Moment of inertia (kgm <sup>2</sup> ) | 0,00772     |
|                          |               | Standard                              | IEC 60034-1 |
|                          |               | Weight (kg)                           | 36,2        |

#### 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 |
| 210             | 422 | 140-178             | 216 | 132 | 283 | 12 | 89 | 38    | 80 | 41 | 10 |                       |   |   |   |