



**Motor Type:** Q4HFA160M2DE

### Electrical Data

### Mechanical Data

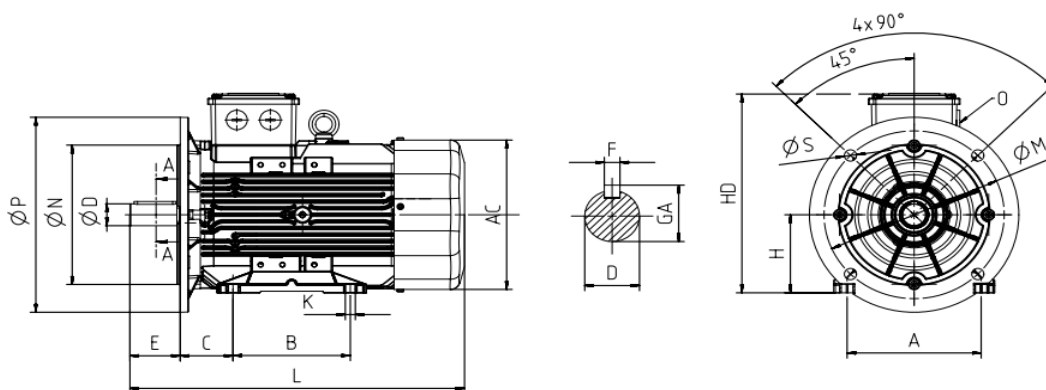
|                            |                       |                          |              |
|----------------------------|-----------------------|--------------------------|--------------|
| Bearing DE                 | 6309-ZZ               | Color                    | Optional     |
| Bearing NDE                | 6209-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          | 74 dBA      |
|                          |               | Moment of inertia (kgm <sup>2</sup> ) | 0,04578     |
|                          |               | Standard                              | IEC 60034-1 |
|                          |               | Weight (kg)                           | 95,0        |

## 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    |
| 305             | 591 |                     |   |   |    |   |   | 42    | 110 | 45 | 12 | 350                   | 250 | 300 | 18,5 |