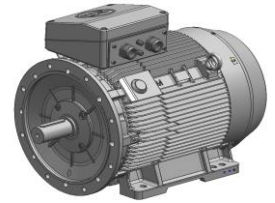




WAT Motor  
Sanayi ve Ticaret A.Ş.

## Three Phase Squirrel Cage Induction Motor

Motor Type: Q4HGPA315S4C40



### Electrical Data

| RATED VALUES |       |    |       |         |        |           | STARTING VALUES |      |             |      | BREAKDOWN    | EFFICIENCY |      |      | EFFICIENCY CLASS |
|--------------|-------|----|-------|---------|--------|-----------|-----------------|------|-------------|------|--------------|------------|------|------|------------------|
| VOLTAGE      | POWER |    | SPEED | CURRENT | TORQUE | Co $\phi$ | 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      | 110   | 50 | 1492  | 188.5   | 704.0  | 0.89      |                 | 8.50 |             | 3.50 | 6.60         | 96.3       | 95.5 | 94.7 | IE4              |
|              |       |    |       |         |        |           |                 |      |             |      |              |            |      |      |                  |
|              |       |    |       |         |        |           |                 |      |             |      |              |            |      |      |                  |
|              |       |    |       |         |        |           |                 |      |             |      |              |            |      |      |                  |

### Mechanical Data

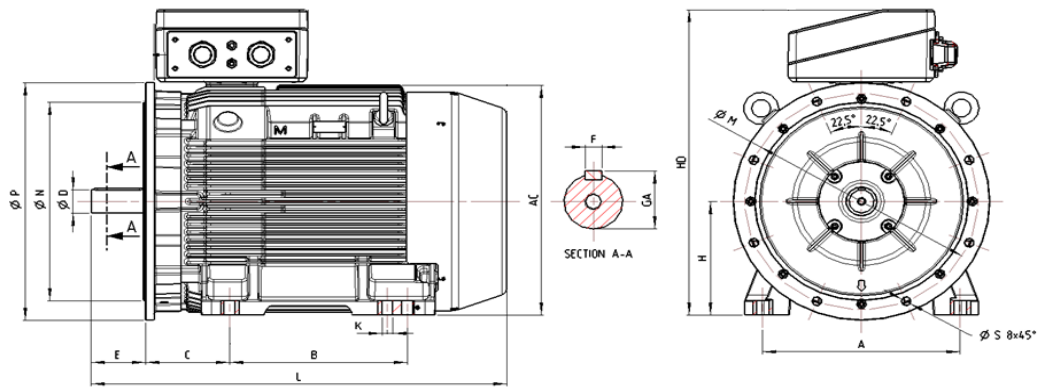
|                            |                       |                          |               |
|----------------------------|-----------------------|--------------------------|---------------|
| Bearing DE                 | 6319 C3               | Color                    | Optional      |
| Bearing NDE                | 6319 C3               | Motor protection         | Optional      |
| Lubricants                 | SHELL GADUS S5 V100 2 | Method of cooling        | IC 411        |
| Condensation drain hole    | No                    | Terminal box position    | Top           |
| External earthing terminal | Yes                   | Material of terminal box | Cast Iron     |
| Vibration class            | A                     | Terminal plate thread    | M12           |
| Insulation class           | F                     | Cable gland              | 2xM63         |
| Duty type                  | S1                    | Clamping range           | 34-44mm       |
| Direction of rotation      | Clockwise             | Mounting type            | IM 2001 (B35) |
| Housing material           | Cast Iron             |                          |               |
| Type of balancing          | Half Key              |                          |               |

### Environmental Data

### Others

|                          |               |                                       |             |
|--------------------------|---------------|---------------------------------------|-------------|
| Ambient temperature      | -20 / + 40 °C | Type of protection                    | IP56        |
| Altitude above sea level | 1000 m        | Sound pressure level 50/60Hz          | 83 dBA      |
|                          |               | Moment of inertia (kgm <sup>2</sup> ) | 3.42000     |
|                          |               | Standard                              | IEC 60034-1 |
|                          |               | Weight (kg)                           | 956.0       |

### 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  |
| 645             | 1030 | 406                 | 508 | 315 | 771 | 28 | 216 | 80    | 170 | 85 | 22 | 660                   | 550 | 600 | 24 |

B34b