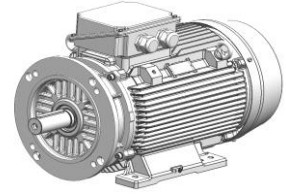




WAT Motor  
Sanayi ve Ticaret A.Ş.

## Three Phase Squirrel Cage Induction Motor

Motor type Q3HGPA160M6C40-K1



### 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        | $I_A / I_N$     | $I_D$ | $M_A / M_N$ | $M_D$ | Mk/ Mn<br>Nm | 4/4        | 3/4  | 2/4  | IE               |
| 400/690      | 7,5   | 50 | 977   | 16,9/9,75 | 73,31  | 0,71       | 1,6             | 4,7   | 0,6         | 1,9   | 2,2          | 89,1       | 90,2 | 89,3 | IE3              |
| 460/795      | 8,63  | 60 | 1175  | 16,7/9,65 | 70,10  | 0,72       | 1,5             | 4,559 | 0,6         | 1,81  | 2,2          | -          | -    | -    |                  |
|              |       |    |       |           |        |            |                 |       |             |       |              |            |      |      |                  |
|              |       |    |       |           |        |            |                 |       |             |       |              |            |      |      |                  |

### Mechanical Data

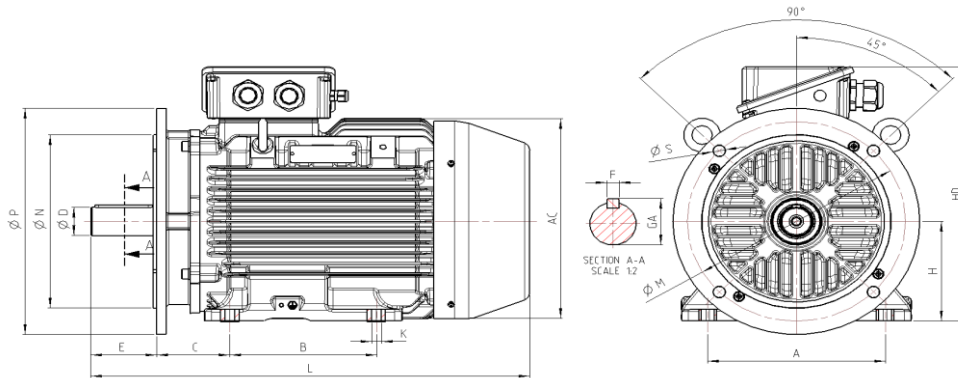
|                            |            |                          |               |
|----------------------------|------------|--------------------------|---------------|
| Bearing DE                 | 6309-ZZ C3 | Color                    | RAL 3009      |
| Bearing NDE                | 6309-ZZ C3 | Motor protection         | -             |
| Lubricants                 | Standart   | Method of cooling        | IC411 (TEFC)  |
| Condensation drain hole    | Optional   | Terminal box position    | Top           |
| External earthing terminal | Yes        | Material of terminal box | Cast Iron     |
| Vibration class            | A          | Terminal plate thread    | M6            |
| Insulation Class           | F          | Cable gland              | 2xM32G+1xM12G |
| Duty type                  | S1         | Clamping range           | 18-25 mm      |
| Direction of rotation      | CW/CCW     | Mounting type            | IM 2001 (B35) |
| Housing material           | Cast Iron  |                          |               |
| Type of balancing          | H          |                          |               |

### Environmental Data

### Others

|                          |               |                                         |             |
|--------------------------|---------------|-----------------------------------------|-------------|
| Ambient Temperature      | -20 / + 40 °C | Type of protection                      | IP 56       |
| Altitude above sea level | 1000 m        | Sound Pressure Level 50Hz dBA           | 62          |
|                          |               | Moment of Inertia (kg.mm <sup>2</sup> ) | 0,0754      |
|                          |               | Standard                                | IEC 60034-1 |

### 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    |
| 328             | 626 | 210                 | 254 | 160 | 387 | 14,5 | 108 | 42    | 110 | 45 | 12 | 350                   | 250 | 300 | 18,5 |