



WAT Motor  
Sanayi ve Ticaret A.Ş.



## Three Phase Squirrel Cage Induction Motor

Motor Type: Q3HPA132M8D

### 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 | $M_A / M_N$ | Mk/ Mn<br>Nm | 4/4        | 3/4  | 2/4  | IE               |
| 230/400      | 3     | 50 | 725   | 13,5/7,79 | 39,5   | 0,66       | 15,47           |   | 5,55        | 7,67         | 83,5       | 83,8 | 82,6 | IE3              |
| 265/460      | 3     | 60 | 879   | 7,11/4,1  | 32,6   | 0,61       | 14,77           |   | 6,17        | 10,14        | 86,5       | 86,6 | 85,4 | IE3              |
|              |       |    |       |           |        |            |                 |   |             |              |            |      |      |                  |
|              |       |    |       |           |        |            |                 |   |             |              |            |      |      |                  |

### 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 2001 (B35) |
| 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 73      |
|                          |               | Moment of inertia (kgm <sup>2</sup> ) | 0,04030     |
|                          |               | Standard                              | IEC 60034-1 |
|                          |               | Weight (kg)                           |             |

### 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 | 140-178             | 216 | 132 | 328 | 12 | 89 | 38    | 80 | 41 | 10 | 300                   | 230 | 265 | 14,5 |

B34b