



WAT Motor
Sanayi ve Ticaret A.Ş.



Three Phase Squirrel Cage Induction Motor

Motor Type: Q3HPC112M4D

Electrical Data

| RATED VALUES | | | | | | STARTING VALUES | | | BREAKDOWN | EFFICIENCY | | | EFFICIENCY CLASS | | |
|--------------|------------------|----|--------------|--------------|--------------|-----------------|------------------------|-----|-----------------------|------------|------------------------|------|------------------|------|----------------|
| VOLTAGE V | POWER kW Hz | | SPEED rpm | CURRENT A | TORQUE Nm | Cos ϕ | CURRENT I_A / I_N | | TORQUE M_A / M_N | | TORQUE Mk/ Mn Nm | | | | IEC 60034-30-1 |
| | 4 | 50 | | | | 4/4 | Y | D | Y | D | | 4/4 | 3/4 | 2/4 | IE |
| 400/690 | 4 | 50 | 1455 | 8,3/4,8 | 26,3 | 0,79 | | 9,5 | | 3,7 | 4,4 | 88,6 | 88,8 | 87,3 | IE3 |
| 460/795 | 4 | 60 | 1760 | 7,4/4,3 | 21,7 | 0,78 | | 9,1 | | 4,1 | 5,8 | 89,5 | 89,7 | 88,2 | IE3 |

Mechanical Data

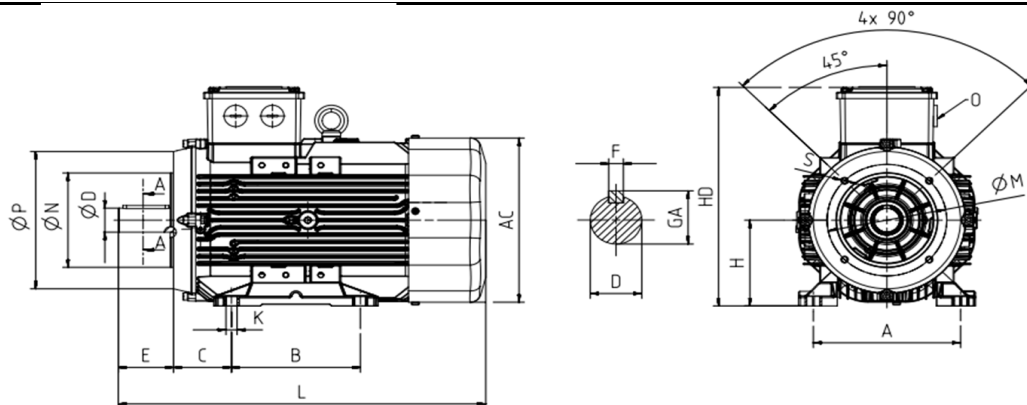
| | | | |
|----------------------------|-----------------------|--------------------------|-----------------|
| Bearing DE | 6306-ZZ | Color | Optional |
| Bearing NDE | 6205-ZZ | Motor protection | Optional |
| Lubricants | Shell Gadus S2 V100Q2 | Method of cooling | IC 411 |
| Condensation drain hole | 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 | 13-18 mm |
| Direction of rotation | Clockwise | Mounting type | IM 2101 (B34-A) |
| Housing material | Aluminium | | |
| 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 | dBA 60 |
| | | Moment of inertia (kgm ²) | 0,01383 |
| | | Standard | IEC 60034-1 |
| | | Weight (kg) | 36,3 |

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 | 396 | 140 | 190 | 112 | 265 | 12 | 70 | 28 | 60 | 31 | 8 | 160 | 110 | 130 | M8 |