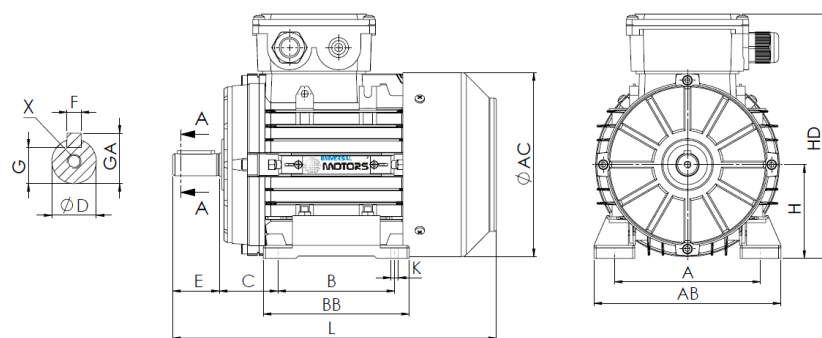


Technical Data Sheet  
Electric Motor Three phase in Aluminum IE3



L (standard motor)

345

L (motor w/brake)

390

L (motor w/forced ventilation)

447

L (motor without ventilation)

290

| Feet |     |     |    |    | Shaft |    |   |    |    |       | Carcass |     |     |     | Flange |   |   |   |   |
|------|-----|-----|----|----|-------|----|---|----|----|-------|---------|-----|-----|-----|--------|---|---|---|---|
| H    | A   | B   | C  | K  | D     | E  | F | G  | GA | X     | AB      | BB  | AC  | HD  | M      | N | P | S | T |
| 90   | 140 | 125 | 56 | 10 | 24j6  | 50 | 8 | 20 | 27 | M8x19 | 180     | 157 | 176 | 245 | -      | - | - | - | - |

### Electrical Data

|                 |             |       |
|-----------------|-------------|-------|
| Type            | UM3A 90L1-6 |       |
| Poles           | 6/1000      | Poles |
| Power           | 1.10        | Kw    |
| Voltage         | 400         | V     |
| Frequency       | 50          | Hz    |
| Speed           | 950         | rpm   |
| Nominal current | 2.93        | A     |
| Power factor    | 0.67        |       |
| Efficiency 100% | 81.0        | %     |
| Efficiency 75%  | 81.1        | %     |
| Efficiency 50%  | 78.4        | %     |
| Torque          | 11.1        | N.m   |
| Ta/Tn           | 2.7         |       |
| Ia/In           | 5.2         |       |
| Tm/Tn           | 2.9         |       |

### Mechanical Data

|                       |            |       |
|-----------------------|------------|-------|
| Shaft height          | 90         |       |
| Construction form     | B3         |       |
| Mechanical protection | 55         |       |
| Heating class         | B          |       |
| Insulation class      | F          |       |
| Service               | S1         |       |
| Ambient temp.         | -10°C-40°C |       |
| Altitude              | 1000       |       |
| Noise                 | 59         | dB(A) |
| Weight                | 16.2       | kg    |
| Bearing DE            | 6205 2Z C3 |       |
| Bearing NDE           | 6205 2Z C3 |       |

### Extra Data

#### Applicable brakes

|          |           |              |    |     |
|----------|-----------|--------------|----|-----|
| DC brake | REB-05-10 | Brake torque | 16 | N.m |
| AC brake | AC4       | Brake torque | 20 | N.m |

#### Applicable forced ventilations

|                                 |       |    |   |
|---------------------------------|-------|----|---|
| Single-phase forced ventilation | Power | 45 | W |
| Three-phase forced ventilation  | Power | 45 | W |

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