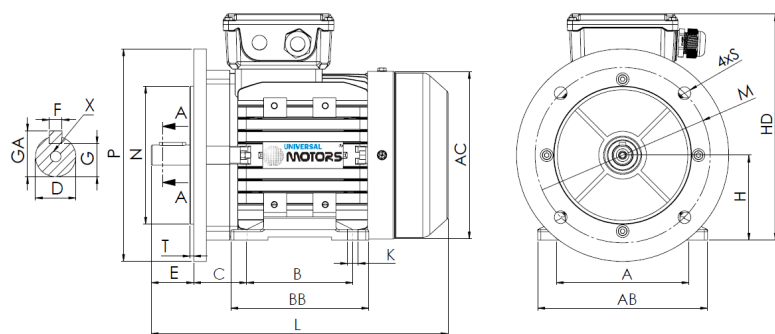


Technical Data Sheet  
Electric Motor Three phase in Aluminum IE3



L (standard motor)

384

L (motor w/brake)

460

L (motor w/forced ventilation)

495

L (motor without ventilation)

339

| Feet |     |     |    |    | Shaft |    |   |    |    |        | Carcass |     |     |     | Flange |     |     |    |   |
|------|-----|-----|----|----|-------|----|---|----|----|--------|---------|-----|-----|-----|--------|-----|-----|----|---|
| H    | A   | B   | C  | K  | D     | E  | F | G  | GA | X      | AB      | BB  | AC  | HD  | M      | N   | P   | S  | T |
| 100  | 160 | 140 | 63 | 12 | 28j6  | 60 | 8 | 24 | 31 | M10x22 | 198     | 176 | 205 | 252 | 215    | 180 | 250 | 15 | 4 |

### Electrical Data

|                 |                   |       |
|-----------------|-------------------|-------|
| Type            | PE31/UM3A* 100L-2 |       |
| Poles           | 2/3000            | Poles |
| Power           | 3.00              | Kw    |
| Voltage         | 400               | V     |
| Frequency       | 50                | Hz    |
| Speed           | 2915              | rpm   |
| Nominal current | 5.71              | A     |
| Power factor    | 0.87              |       |
| Efficiency 100% | 87.1              | %     |
| Efficiency 75%  | 87.3              | %     |
| Efficiency 50%  | 86.4              | %     |
| Torque          | 9.83              | N.m   |
| Ta/Tn           | 2.3               |       |
| Ia/In           | 8.1               |       |
| Tm/Tn           | 2.3               |       |

### Mechanical Data

|                       |            |
|-----------------------|------------|
| Shaft height          | 100        |
| Construction form     | B35        |
| Mechanical protection | 55         |
| Heating class         | B          |
| Insulation class      | F          |
| Service               | S1         |
| Ambient temp.         | -10°C-40°C |
| Altitude              | 1000       |
| Noise                 | 82 dB(A)   |
| Weight                | 26 kg      |
| Bearing DE            | 6206 2Z C3 |
| Bearing NDE           | 6206 2Z C3 |

### Extra Data

#### Applicable brakes

|          |           |              |    |     |
|----------|-----------|--------------|----|-----|
| DC brake | REB-05-12 | Brake torque | 32 | N.m |
| AC brake | NA        | Brake torque | NA | N.m |

#### Applicable forced ventilations

|                                 |       |    |   |
|---------------------------------|-------|----|---|
| Single-phase forced ventilation | Power | 65 | W |
| Three-phase forced ventilation  | Power | 65 | W |