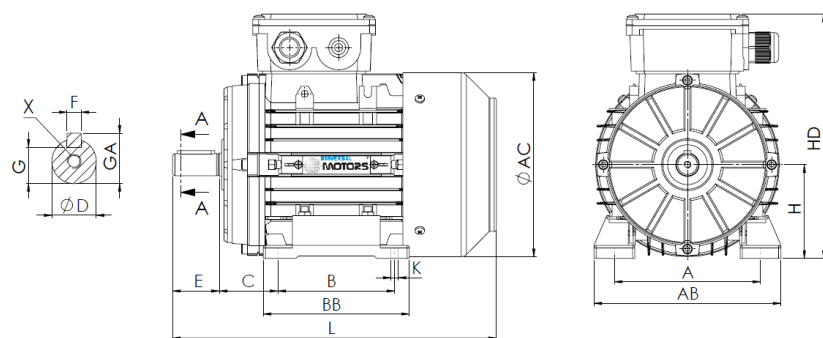


Technical Data Sheet  
Electric Motor Three phase in Aluminum IE3



L (standard motor)

380

L (motor w/brake)

450

L (motor w/forced ventilation)

485

L (motor without ventilation)

328

| 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 | 205     | 183 | 199 | 267 | -      | - | - | - | - |

### Electrical Data

|                 |              |
|-----------------|--------------|
| Type            | UM3A 100L2-6 |
| Poles           | 6/1000 Poles |
| Power           | 2.20 Kw      |
| Voltage         | 400 V        |
| Frequency       | 50 Hz        |
| Speed           | 955 rpm      |
| Nominal current | 5.23 A       |
| Power factor    | 0.72         |
| Efficiency 100% | 84.3 %       |
| Efficiency 75%  | 85.1 %       |
| Efficiency 50%  | 83.9 %       |
| Torque          | 22 N.m       |
| Ta/Tn           | 2.5          |
| Ia/In           | 6.2          |
| Tm/Tn           | 3            |

### Mechanical Data

|                       |            |
|-----------------------|------------|
| Shaft height          | 100        |
| Construction form     | B3         |
| Mechanical protection | 55         |
| Heating class         | B          |
| Insulation class      | F          |
| Service               | S1         |
| Ambient temp.         | -10°C-40°C |
| Altitude              | 1000       |
| Noise                 | 64 dB(A)   |
| Weight                | 27.7 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 | AC5       | Brake torque | 40 | N.m |

#### Applicable forced ventilations

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

Universal Motors S.A.  
Rua Comendador Brandão, 484  
4495-375 Póvoa de Varzim  
[geral@universalmotors.pt](mailto:geral@universalmotors.pt)  
TEL.: 252 299 080

Universal Motors UK, Ltd  
Unit E2, Meltham Mills Road  
West Yorkshire HD9 4AR  
[enquiries@universalmotors-group.co.uk](mailto:enquiries@universalmotors-group.co.uk)  
TEL.: +44(0) 1484660222

Universal Motors SL  
C/La Habana n.6 nave 4 PI Camporoso  
28806 Alcala de Henares  
[info@universalmotors-group.es](mailto:info@universalmotors-group.es)  
TEL.: 918 864 213