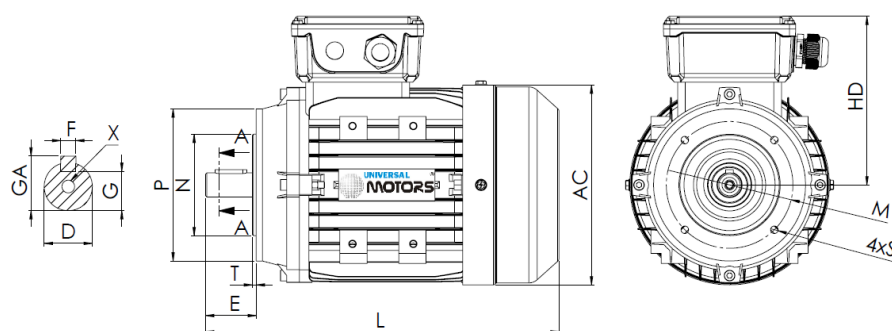


Technical Data Sheet  
Electric Motor Three phase in Aluminum IE3



L (standard motor)

610

L (motor w/brake)

NA

L (motor w/forced ventilation)

730

L (motor without ventilation)

552

| Feet |   |   |   |   | Shaft |     |    |    |    |        | Carcass |    |     |     | Flange |     |     |     |   |
|------|---|---|---|---|-------|-----|----|----|----|--------|---------|----|-----|-----|--------|-----|-----|-----|---|
| H    | A | B | C | K | D     | E   | F  | G  | GA | X      | AB      | BB | AC  | HD  | M      | N   | P   | S   | T |
| -    | - | - | - | - | 42k6  | 110 | 12 | 37 | 45 | M16x36 | -       | -  | 326 | 235 | 215    | 180 | 250 | M12 | 4 |

### Electrical Data

|                 |            |       |
|-----------------|------------|-------|
| Type            | PE31/UM3A* |       |
|                 | 160M-4     |       |
| Poles           | 4/1500     | Poles |
| Power           | 11.00      | Kw    |
| Voltage         | 400        | V     |
| Frequency       | 50         | Hz    |
| Speed           | 1475       | rpm   |
| Nominal current | 20.68      | A     |
| Power factor    | 0.84       |       |
| Efficiency 100% | 91.4       | %     |
| Efficiency 75%  | 91.8       | %     |
| Efficiency 50%  | 90.7       | %     |
| Torque          | 71.22      | N.m   |
| Ta/Tn           | 2.2        |       |
| Ia/In           | 7.5        |       |
| Tm/Tn           | 2.3        |       |

### Mechanical Data

|                       |            |       |
|-----------------------|------------|-------|
| Shaft height          | -          |       |
| Construction form     | B14        |       |
| Mechanical protection | 55         |       |
| Heating class         | B          |       |
| Insulation class      | F          |       |
| Service               | S1         |       |
| Ambient temp.         | -10°C-40°C |       |
| Altitude              | 1000       |       |
| Noise                 | 77         | dB(A) |
| Weight                | 98         | kg    |
| Bearing DE            | 6309 2Z C3 |       |
| Bearing NDE           | 6209 2Z C3 |       |

### Extra Data

#### Applicable brakes

|          |    |              |    |     |
|----------|----|--------------|----|-----|
| DC brake | NA | Brake torque | NA | N.m |
| AC brake | NA | Brake torque | NA | N.m |

#### Applicable forced ventilations

|                                 |       |    |   |
|---------------------------------|-------|----|---|
| Single-phase forced ventilation | Power | NA | W |
| Three-phase forced ventilation  | Power | 60 | 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 Pl Camporoso  
28806 Alcala de Henares  
[info@universalmotors-group.es](mailto:info@universalmotors-group.es)  
TEL.: 918 864 213