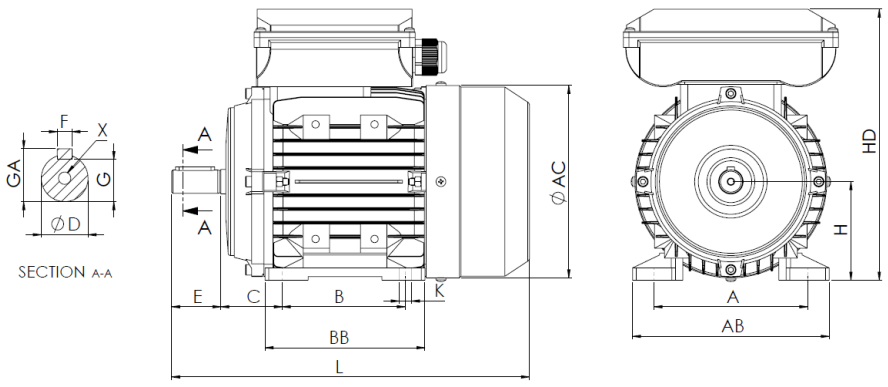
Technical Data Sheet
Electric Motor 1 phase in Aluminum IE2




L (standard motor)
431

L (motor w/brake)
510

L (motor w/forced ventilation)
546

L (motor without ventilation)
370

| Feet | | | | | Shaft | | | | | | Carcass | | | | Flange | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H | A | B | C | K | D | E | F | G | GA | X | AB | BB | AC | HD | M | N | P | S | T |
| 112 | 190 | 140 | 70 | 12 | 28j6 | 60 | 8 | 24 | 31 | M10x22 | 220 | 175 | 221 | 297 | - | - | - | - | - |

## Electrical Data

| | | |
|---|---|---|
| Type | UMM2D 112M-4 | |
| Poles | 4/1500 | Poles |
| Power | 3.70 | Kw |
| Voltage | 230 | V |
| Frequency | 50 | Hz |
| Speed | 1460 | rpm |
| Nominal current | 19.22 | A |
| Power factor | 0.97 | |
| Efficiency 100% | 86.3 | % |
| Efficiency 75% | 87.4 | % |
| Efficiency 50% | 84.3 | % |
| Torque | 24.2 | N.m |
| Ta/Tn | 1.9 | |
| Ia/In | 6.5 | |
| Tm/Tn | 1.8 | |

## Mechanical Data

| | | |
|---|---|---|
| Shaft height | 112 | |
| Construction form | B3 | |
| Mechanical protection | 55 | |
| Heating class | B | |
| Insulation class | F | |
| Service | S1 | |
| Ambient temp. | -10ºC-40ºC | |
| Altitude | 1000 | |
| Noise | - | dB(A) |
| Weight | 34.23 | kg |
| Bearing DE | 6306 2Z C3 | |
| Bearing NDE | 6206 2Z C3 | |

## Extra Data

**Applicable brakes**

| | | | | |
|---|---|---|---|---|
| DC brake | REB-05-14 | Brake torque | 60 | N.m |
| AC brake | NA | Brake torque | NA | N.m |

**Applicable forced ventilations**

| | | | |
|---|---|---|---|
| Single-phase forced ventilation | Power | 80 | W |
| Three-phase forced ventilation | Power | NA | W |


Universal Motors S.A.
Rua Comendador Brandão, 484
4495-375 Póvoa de Varzim
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
TEL.: +44(0) 1484660222

Universal Motors SL
C/La Habana n.6 nave 4 Pl Camporroso
28806 Alcala de Henares
info@universalmotors-group.es
TEL.: 918 864 213