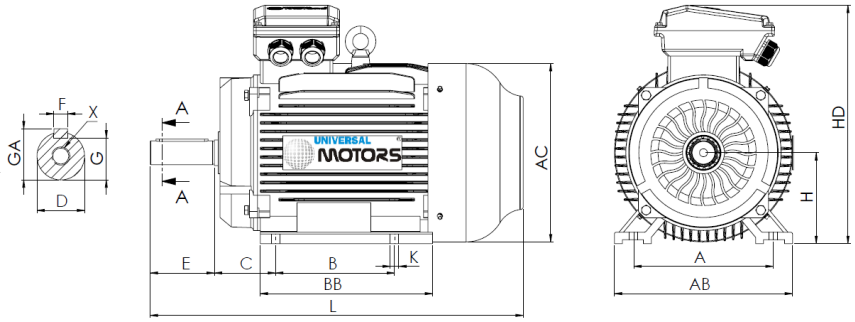
Technical Data Sheet
Electric Motor Three phase in Cast Iron IE3




L (standard motor)
355

L (motor w/brake)
465

L (motor w/forced ventilation)
460

L (motor without ventilation)
345

| 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 | 100 | 56 | 10 | 24j6 | 50 | 8 | 20 | 27 | M8x19 | 180 | 140 | 177 | 250 | - | - | - | - | - |

## Electrical Data

| | | |
|---|---|---|
| Type | PE30/UM3C* 90S-2 | |
| Poles | 2/3000 | Poles |
| Power | 1.50 | Kw |
| Voltage | 400 | V |
| Frequency | 50 | Hz |
| Speed | 2890 | rpm |
| Nominal current | 3.10 | A |
| Power factor | 0.84 | |
| Efficiency 100% | 84.2 | % |
| Efficiency 75% | 85.5 | % |
| Efficiency 50% | 83.8 | % |
| Torque | 5 | N.m |
| Ta/Tn | 2.2 | |
| Ia/In | 7.6 | |
| Tm/Tn | 2.3 | |

## Mechanical Data

| | | |
|---|---|---|
| Shaft height | 90 | |
| Construction form | B3 | |
| Mechanical protection | 55 | |
| Heating class | B | |
| Insulation class | F | |
| Service | S1 | |
| Ambient temp. | -10ºC-40ºC | |
| Altitude | 1000 | |
| Noise | 67 | dB(A) |
| Weight | 26 | 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 |

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