

Technical Data Sheet  
Electric Motor Three phase in Cast Iron IE1



L (standard motor)

305

L (motor w/brake)

405

L (motor w/forced ventilation)

410

L (motor without ventilation)

295

| Feet |     |     |    |    | Shaft |    |   |      |      |       | Carcass |     |     |     | Flange |   |   |   |   |
|------|-----|-----|----|----|-------|----|---|------|------|-------|---------|-----|-----|-----|--------|---|---|---|---|
| H    | A   | B   | C  | K  | D     | E  | F | G    | GA   | X     | AB      | BB  | AC  | HD  | M      | N | P | S | T |
| 80   | 125 | 100 | 50 | 10 | 19j6  | 40 | 6 | 15.5 | 21.5 | M6x16 | 165     | 130 | 158 | 220 | -      | - | - | - | - |

### Electrical Data

|                 |             |       |
|-----------------|-------------|-------|
| Type            | EM30 80M2-4 |       |
| Poles           | 4/1500      | Poles |
| Power           | 0.75        | Kw    |
| Voltage         | 400         | V     |
| Frequency       | 50          | Hz    |
| Speed           | 1390        | rpm   |
| Nominal current | 1.95        | A     |
| Power factor    | 0.76        |       |
| Efficiency 100% | 73.0        | %     |
| Efficiency 75%  | -           | %     |
| Efficiency 50%  | -           | %     |
| Torque          | 5.15        | N.m   |
| Ta/Tn           | 2.3         |       |
| Ia/In           | 6.0         |       |
| Tm/Tn           | 2.3         |       |

### Mechanical Data

|                       |            |
|-----------------------|------------|
| Shaft height          | 80         |
| Construction form     | B3         |
| Mechanical protection | 55         |
| Heating class         | B          |
| Insulation class      | F          |
| Service               | S3-70%     |
| Ambient temp.         | -10°C-40°C |
| Altitude              | 1000       |
| Noise                 | 58 dB(A)   |
| Weight                | 16 kg      |
| Bearing DE            | 6204 2Z C3 |
| Bearing NDE           | 6204 2Z C3 |

### Extra Data

#### Applicable brakes

|          |           |              |    |     |
|----------|-----------|--------------|----|-----|
| DC brake | REB-05-08 | Brake torque | 8  | N.m |
| AC brake | AC3       | Brake torque | 16 | 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](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