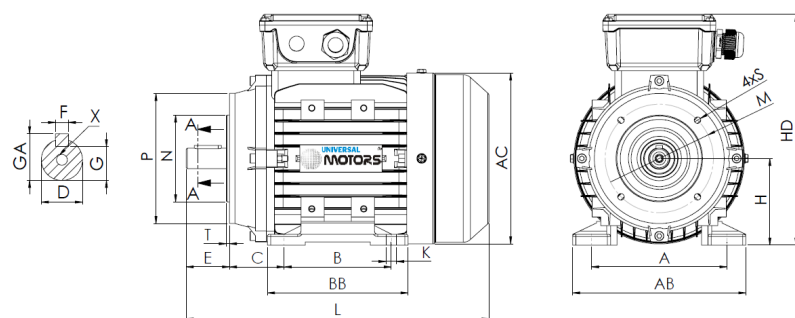


Technical Data Sheet  
Electric Motor Three phase in Aluminum IE1



L (standard motor)

278

L (motor w/brake)

345

L (motor w/forced ventilation)

390

L (motor without ventilation)

247

| 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 | 160     | 130 | 165 | 217 | 100    | 80 | 120 | M6 | 3 |

### Electrical Data

|                 |                  |       |
|-----------------|------------------|-------|
| Type            | BF31/UMA* 80M2-8 |       |
| Poles           | 8/750            | Poles |
| Power           | 0.25             | Kw    |
| Voltage         | 400              | V     |
| Frequency       | 50               | Hz    |
| Speed           | 700              | rpm   |
| Nominal current | 1.08             | A     |
| Power factor    | 0.54             |       |
| Efficiency 100% | 62.0             | %     |
| Efficiency 75%  | -                | %     |
| Efficiency 50%  | -                | %     |
| Torque          | 3.41             | N.m   |
| Ta/Tn           | 1.8              |       |
| Ia/In           | 4.5              |       |
| Tm/Tn           | 1.9              |       |

### Mechanical Data

|                       |            |
|-----------------------|------------|
| Shaft height          | 80         |
| Construction form     | B34        |
| Mechanical protection | 55         |
| Heating class         | B          |
| Insulation class      | F          |
| Service               | S3-70%     |
| Ambient temp.         | -10°C-40°C |
| Altitude              | 1000       |
| Noise                 | 52 dB(A)   |
| Weight                | 10.1 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 | 15 | N.m |

#### Applicable forced ventilations

|                                 |       |    |   |
|---------------------------------|-------|----|---|
| Single-phase forced ventilation | Power | 45 | W |
| Three-phase forced ventilation  | Power | 45 | W |