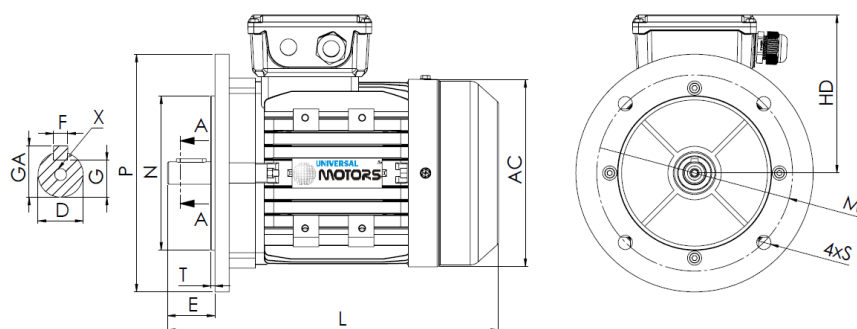


Technical Data Sheet  
Electric Motor Three phase in Aluminum IE1



L (standard motor)

198

L (motor w/brake)

NA

L (motor w/forced ventilation)

NA

L (motor without ventilation)

165

| Feet |   |   |   |   | Shaft |    |   |     |      |      | Carcass |    |     |     | Flange |    |     |   |   |
|------|---|---|---|---|-------|----|---|-----|------|------|---------|----|-----|-----|--------|----|-----|---|---|
| H    | A | B | C | K | D     | E  | F | G   | GA   | X    | AB      | BB | AC  | HD  | M      | N  | P   | S | T |
| -    | - | - | - | - | 9j6   | 20 | 3 | 7.2 | 10.2 | M3x9 | -       | -  | 117 | 107 | 100    | 80 | 120 | 7 | 3 |

### Electrical Data

|                 |                  |       |  |
|-----------------|------------------|-------|--|
| Type            | BF31/UMA* 56M3-2 |       |  |
| Poles           | 2/3000           | Poles |  |
| Power           | 0.18             | Kw    |  |
| Voltage         | 400              | V     |  |
| Frequency       | 50               | Hz    |  |
| Speed           | 2670             | rpm   |  |
| Nominal current | 0.59             | A     |  |
| Power factor    | 0.75             |       |  |
| Efficiency 100% | 60.0             | %     |  |
| Efficiency 75%  | -                | %     |  |
| Efficiency 50%  | -                | %     |  |
| Torque          | 0.64             | N.m   |  |
| Ta/Tn           | 2.3              |       |  |
| Ia/In           | 5.0              |       |  |
| Tm/Tn           | 2.3              |       |  |

### Mechanical Data

|                       |            |
|-----------------------|------------|
| Shaft height          | -          |
| Construction form     | B5         |
| Mechanical protection | 55         |
| Heating class         | B          |
| Insulation class      | F          |
| Service               | S3-70%     |
| Ambient temp.         | -10°C-40°C |
| Altitude              | 1000       |
| Noise                 | 59 dB(A)   |
| Weight                | 3.4 kg     |
| Bearing DE            | 6201 2Z C3 |
| Bearing NDE           | 6201 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 | NA | W |