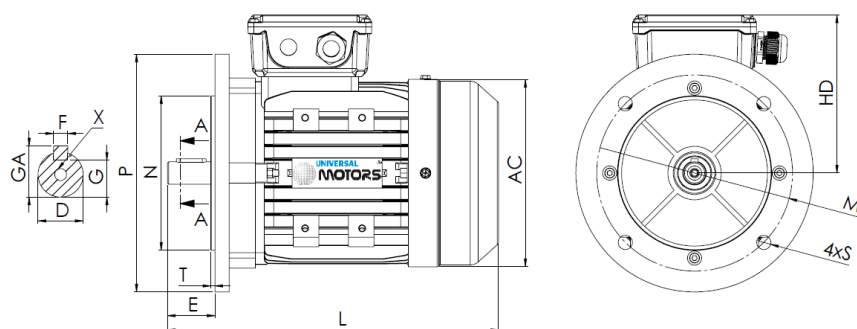


Technical Data Sheet  
Electric Motor Three phase in Aluminum IE1



L (standard motor)

296

L (motor w/brake)

365

L (motor w/forced ventilation)

405

L (motor without ventilation)

259

| Feet |   |   |   |   | Shaft |    |   |    |    |       | Carcass |    |     |     | Flange |     |     |    |     |
|------|---|---|---|---|-------|----|---|----|----|-------|---------|----|-----|-----|--------|-----|-----|----|-----|
| H    | A | B | C | K | D     | E  | F | G  | GA | X     | AB      | BB | AC  | HD  | M      | N   | P   | S  | T   |
| -    | - | - | - | - | 24j6  | 50 | 8 | 20 | 27 | M8x19 | -       | -  | 182 | 150 | 165    | 130 | 200 | 12 | 3.5 |

### Electrical Data

|                 |                 |       |
|-----------------|-----------------|-------|
| Type            | BF31/UMA* 90S-8 |       |
| Poles           | 8/750           | Poles |
| Power           | 0.37            | Kw    |
| Voltage         | 400             | V     |
| Frequency       | 50              | Hz    |
| Speed           | 700             | rpm   |
| Nominal current | 1.35            | A     |
| Power factor    | 0.58            |       |
| Efficiency 100% | 68.0            | %     |
| Efficiency 75%  | -               | %     |
| Efficiency 50%  | -               | %     |
| Torque          | 5.05            | N.m   |
| Ta/Tn           | 1.8             |       |
| Ia/In           | 4.5             |       |
| Tm/Tn           | 1.9             |       |

### 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                 | 56 dB(A)   |
| Weight                | 12 kg      |
| Bearing DE            | 6205 2Z C3 |
| Bearing NDE           | 6204 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 |