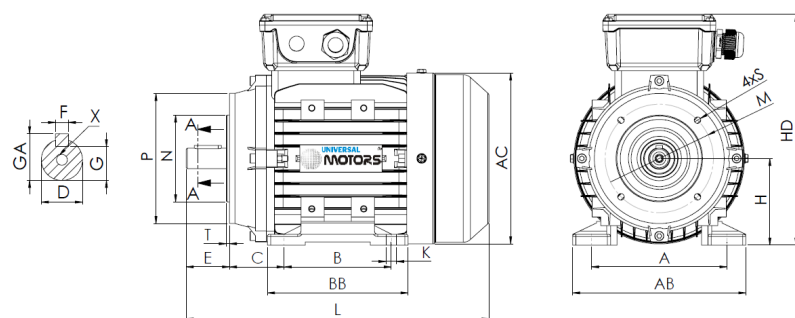


Technical Data Sheet  
Electric Motor Three phase in Aluminum IE3



L (standard motor)

313

L (motor w/brake)

385

L (motor w/forced ventilation)

425

L (motor without ventilation)

279

| 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 | 125 | 56 | 10 | 24j6  | 50 | 8 | 20 | 27 | M8x19 | 175     | 155 | 182 | 235 | 115    | 95 | 140 | M8 | 3 |

### Electrical Data

|                 |                  |       |
|-----------------|------------------|-------|
| Type            | PE31/UM3A* 90L-2 |       |
| Poles           | 2/3000           | Poles |
| Power           | 2.20             | Kw    |
| Voltage         | 400              | V     |
| Frequency       | 50               | Hz    |
| Speed           | 2890             | rpm   |
| Nominal current | 4.35             | A     |
| Power factor    | 0.85             |       |
| Efficiency 100% | 85.9             | %     |
| Efficiency 75%  | 86.1             | %     |
| Efficiency 50%  | 84.5             | %     |
| Torque          | 7.27             | N.m   |
| Ta/Tn           | 2.3              |       |
| Ia/In           | 7.8              |       |
| Tm/Tn           | 2.3              |       |

### Mechanical Data

|                       |            |
|-----------------------|------------|
| Shaft height          | 90         |
| Construction form     | B34        |
| Mechanical protection | 55         |
| Heating class         | B          |
| Insulation class      | F          |
| Service               | S1         |
| Ambient temp.         | -10°C-40°C |
| Altitude              | 1000       |
| Noise                 | 78 dB(A)   |
| Weight                | 17 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 | NA        | Brake torque | NA | N.m |

#### Applicable forced ventilations

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