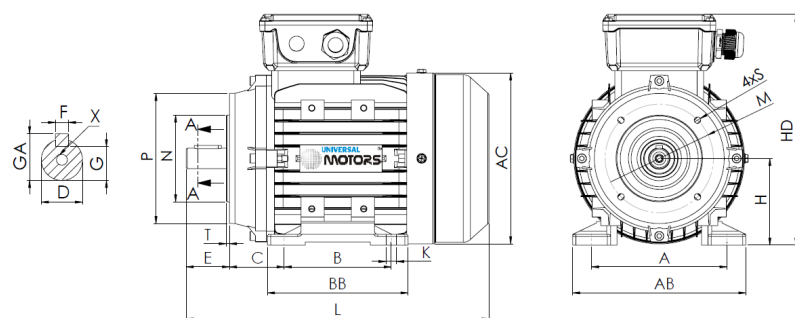


Technical Data Sheet  
Electric Motor Three phase in Aluminum IE2



L (standard motor)

636

L (motor w/brake)

NA

L (motor w/forced ventilation)

755

L (motor without ventilation)

577

| Feet |     |     |     |    | Shaft |     |    |    |    |        | Carcass |     |     |     | Flange |     |     |     |   |
|------|-----|-----|-----|----|-------|-----|----|----|----|--------|---------|-----|-----|-----|--------|-----|-----|-----|---|
| H    | A   | B   | C   | K  | D     | E   | F  | G  | GA | X      | AB      | BB  | AC  | HD  | M      | N   | P   | S   | T |
| 160  | 254 | 254 | 108 | 15 | 42k6  | 110 | 12 | 37 | 45 | M16x36 | 290     | 294 | 326 | 390 | 215    | 180 | 250 | M12 | 4 |

### Electrical Data

| Type            | HE31/UMHA* |       |
|-----------------|------------|-------|
|                 | 160L2-2    |       |
| Poles           | 2/3000     | Poles |
| Power           | 22.00      | Kw    |
| Voltage         | 400        | V     |
| Frequency       | 50         | Hz    |
| Speed           | 2890       | rpm   |
| Nominal current | 38.64      | A     |
| Power factor    | 0.90       |       |
| Efficiency 100% | 91.3       | %     |
| Efficiency 75%  | 91.7       | %     |
| Efficiency 50%  | 91.0       | %     |
| Torque          | 72.69      | N.m   |
| Ta/Tn           | 4.1        |       |
| Ia/In           | 10.0       |       |
| Tm/Tn           | 3          |       |

### Mechanical Data

|                       |            |       |
|-----------------------|------------|-------|
| Shaft height          | 160        |       |
| Construction form     | B34        |       |
| Mechanical protection | 55         |       |
| Heating class         | B          |       |
| Insulation class      | F          |       |
| Service               | S3-70%     |       |
| Ambient temp.         | -10°C-40°C |       |
| Altitude              | 1000       |       |
| Noise                 | 85         | dB(A) |
| Weight                | 127        | kg    |
| Bearing DE            | 6309 2Z C3 |       |
| Bearing NDE           | 6209 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 | 60 | W |