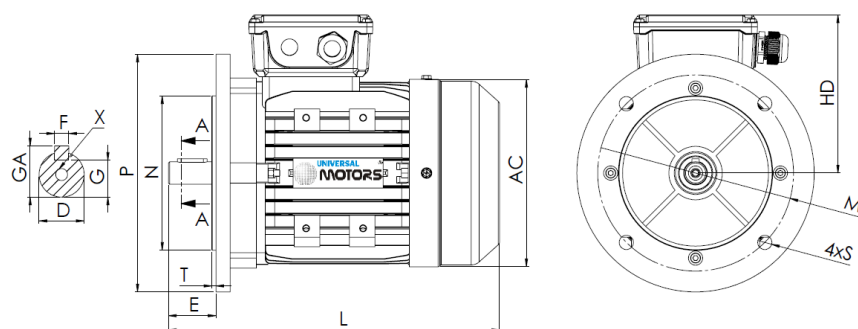


# Technical Data Sheet

## Electric Motor Three phase in Aluminum IE1



L (standard motor)

477

L (motor w/brake)

570

L (motor w/forced ventilation)

605

L (motor without ventilation)

371

| Feet |   |   |   |   | Shaft |    |    |    |    |        | Carcass |    |     |     | Flange |     |     |    |   |
|------|---|---|---|---|-------|----|----|----|----|--------|---------|----|-----|-----|--------|-----|-----|----|---|
| H    | A | B | C | K | D     | E  | F  | G  | GA | X      | AB      | BB | AC  | HD  | M      | N   | P   | S  | T |
| -    | - | - | - | - | 38k6  | 80 | 10 | 33 | 41 | M12x28 | -       | -  | 265 | 198 | 265    | 230 | 300 | 15 | 4 |

### Electrical Data

|                 |                  |       |
|-----------------|------------------|-------|
| Type            | BF31/UMA* 132M-8 |       |
| Poles           | 8/750            | Poles |
| Power           | 3.00             | Kw    |
| Voltage         | 400              | V     |
| Frequency       | 50               | Hz    |
| Speed           | 710              | rpm   |
| Nominal current | 7.34             | A     |
| Power factor    | 0.72             |       |
| Efficiency 100% | 82.0             | %     |
| Efficiency 75%  | -                | %     |
| Efficiency 50%  | -                | %     |
| Torque          | 40.35            | N.m   |
| Ta/Tn           | 2                |       |
| Ia/In           | 5.5              |       |
| Tm/Tn           | 2                |       |

### 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                 | 64 dB(A)   |
| Weight                | 46 kg      |
| Bearing DE            | 6308 2Z C3 |
| Bearing NDE           | 6308 2Z C3 |

### Extra Data

#### Applicable brakes

|          |           |              |    |     |
|----------|-----------|--------------|----|-----|
| DC brake | REB-05-16 | Brake torque | 80 | N.m |
| AC brake | AC7       | Brake torque | 90 | N.m |

#### Applicable forced ventilations

|                                 |       |    |   |
|---------------------------------|-------|----|---|
| Single-phase forced ventilation | Power | 55 | W |
| Three-phase forced ventilation  | Power | 55 | W |