

Technical Data Sheet  
Electric Motor Three phase in Aluminum IE1



L (standard motor)

380

L (motor w/brake)

450

L (motor w/forced ventilation)

485

L (motor without ventilation)

328

| Feet |     |     |    |    | Shaft |    |   |    |    |        | Carcass |     |     |     | Flange |   |   |   |   |
|------|-----|-----|----|----|-------|----|---|----|----|--------|---------|-----|-----|-----|--------|---|---|---|---|
| H    | A   | B   | C  | K  | D     | E  | F | G  | GA | X      | AB      | BB  | AC  | HD  | M      | N | P | S | T |
| 100  | 160 | 140 | 63 | 12 | 28j6  | 60 | 8 | 24 | 31 | M10x22 | 205     | 183 | 199 | 267 | -      | - | - | - | - |

### Electrical Data

|                 |              |       |
|-----------------|--------------|-------|
| Type            | UM1A 100L2-8 |       |
| Poles           | 8/750        | Poles |
| Power           | 1.10         | Kw    |
| Voltage         | 400          | V     |
| Frequency       | 50           | Hz    |
| Speed           | 690          | rpm   |
| Nominal current | 3.34         | A     |
| Power factor    | 0.66         |       |
| Efficiency 100% | 72.0         | %     |
| Efficiency 75%  | 72.5         | %     |
| Efficiency 50%  | 68.6         | %     |
| Torque          | 15.22        | N.m   |
| Ta/Tn           | 1.8          |       |
| Ia/In           | 4.2          |       |
| Tm/Tn           | 2.4          |       |

### Mechanical Data

|                       |            |
|-----------------------|------------|
| Shaft height          | 100        |
| Construction form     | B3         |
| 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                | 20 kg      |
| Bearing DE            | 6206 2Z C3 |
| Bearing NDE           | 6206 2Z C3 |

### Extra Data

#### Applicable brakes

|          |           |              |    |     |
|----------|-----------|--------------|----|-----|
| DC brake | REB-05-12 | Brake torque | 32 | N.m |
| AC brake | AC5       | Brake torque | 40 | N.m |

#### Applicable forced ventilations

|                                 |       |    |   |
|---------------------------------|-------|----|---|
| Single-phase forced ventilation | Power | 65 | W |
| Three-phase forced ventilation  | Power | 65 | W |

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