

Technical Data Sheet  
Electric Motor Three phase in Cast Iron IE1



L (standard motor)

755

L (motor w/brake)

910

L (motor w/forced ventilation)

840

L (motor without ventilation)

660

| Feet |     |     |     |    | Shaft |     |    |      |      |        | Carcass |     |     |     | Flange |   |   |   |   |
|------|-----|-----|-----|----|-------|-----|----|------|------|--------|---------|-----|-----|-----|--------|---|---|---|---|
| H    | A   | B   | C   | K  | D     | E   | F  | G    | GA   | X      | AB      | BB  | AC  | HD  | M      | N | P | S | T |
| 180  | 279 | 279 | 121 | 15 | 48k6  | 110 | 14 | 42.5 | 51.5 | M16x36 | 355     | 350 | 355 | 455 | -      | - | - | - | - |

### Electrical Data

|                 |             |       |
|-----------------|-------------|-------|
| Type            | EM30 180L-8 |       |
| Poles           | 8/750       | Poles |
| Power           | 11.00       | Kw    |
| Voltage         | 400         | V     |
| Frequency       | 50          | Hz    |
| Speed           | 730         | rpm   |
| Nominal current | 24.20       | A     |
| Power factor    | 0.75        |       |
| Efficiency 100% | 87.5        | %     |
| Efficiency 75%  | -           | %     |
| Efficiency 50%  | -           | %     |
| Torque          | 143.89      | N.m   |
| Ta/Tn           | 2           |       |
| Ia/In           | 6.5         |       |
| Tm/Tn           | 2           |       |

### Mechanical Data

|                       |            |       |
|-----------------------|------------|-------|
| Shaft height          | 180        |       |
| Construction form     | B3         |       |
| Mechanical protection | 55         |       |
| Heating class         | B          |       |
| Insulation class      | F          |       |
| Service               | S3-70%     |       |
| Ambient temp.         | -10°C-40°C |       |
| Altitude              | 1000       |       |
| Noise                 | 70         | dB(A) |
| Weight                | 169        | kg    |
| Bearing DE            | 6311 C3    |       |
| Bearing NDE           | 6311 C3    |       |

### Extra Data

#### Applicable brakes

|          |      |              |     |     |
|----------|------|--------------|-----|-----|
| DC brake | K8D  | Brake torque | 400 | N.m |
| AC brake | AC8D | Brake torque | 400 | N.m |

#### Applicable forced ventilations

|                                 |       |    |   |
|---------------------------------|-------|----|---|
| Single-phase forced ventilation | Power | NA | W |
| Three-phase forced ventilation  | Power | 85 | W |

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