

Technical Data Sheet  
Electric Motor Three phase in Cast Iron IE1



L (standard motor)

790

L (motor w/brake)

NA

L (motor w/forced ventilation)

945

L (motor without ventilation)

695

| Feet |     |     |     |    | Shaft |     |    |    |    |        | Carcass |     |     |     | Flange |   |   |   |   |
|------|-----|-----|-----|----|-------|-----|----|----|----|--------|---------|-----|-----|-----|--------|---|---|---|---|
| H    | A   | B   | C   | K  | D     | E   | F  | G  | GA | X      | AB      | BB  | AC  | HD  | M      | N | P | S | T |
| 200  | 318 | 305 | 133 | 19 | 55m6  | 110 | 16 | 49 | 59 | M20x42 | 385     | 370 | 397 | 505 | -      | - | - | - | - |

### Electrical Data

|                 |              |       |
|-----------------|--------------|-------|
| Type            | EM30 200L1-2 |       |
| Poles           | 2/3000       | Poles |
| Power           | 30.00        | Kw    |
| Voltage         | 400          | V     |
| Frequency       | 50           | Hz    |
| Speed           | 2950         | rpm   |
| Nominal current | 52.65        | A     |
| Power factor    | 0.90         |       |
| Efficiency 100% | 91.4         | %     |
| Efficiency 75%  | -            | %     |
| Efficiency 50%  | -            | %     |
| Torque          | 97.11        | N.m   |
| Ta/Tn           | 2            |       |
| Ia/In           | 7.5          |       |
| Tm/Tn           | 2.3          |       |

### Mechanical Data

|                       |            |
|-----------------------|------------|
| Shaft height          | 200        |
| Construction form     | B3         |
| Mechanical protection | 55         |
| Heating class         | B          |
| Insulation class      | F          |
| Service               | S3-70%     |
| Ambient temp.         | -10°C-40°C |
| Altitude              | 1000       |
| Noise                 | 92 dB(A)   |
| Weight                | 218 kg     |
| Bearing DE            | 6312 C3    |
| Bearing NDE           | 6312 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 | 110 | W |

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