

Technical Data Sheet  
Electric Motor Three phase in Cast Iron IE2



L (standard motor)

1335

L (motor w/brake)

1545

L (motor w/forced ventilation)

1515

L (motor without ventilation)

1160

| Feet |     |     |     |    | Shaft |     |    |    |    |        | Carcass |     |     |     | Flange |   |   |   |   |
|------|-----|-----|-----|----|-------|-----|----|----|----|--------|---------|-----|-----|-----|--------|---|---|---|---|
| H    | A   | B   | C   | K  | D     | E   | F  | G  | GA | X      | AB      | BB  | AC  | HD  | M      | N | P | S | T |
| 315  | 508 | 457 | 216 | 28 | 80m6  | 170 | 22 | 71 | 85 | M20x42 | 635     | 680 | 620 | 845 | -      | - | - | - | - |

### Electrical Data

|                 |             |       |
|-----------------|-------------|-------|
| Type            | HE30 315M-6 |       |
| Poles           | 6/1000      | Poles |
| Power           | 90.00       | Kw    |
| Voltage         | 400         | V     |
| Frequency       | 50          | Hz    |
| Speed           | 990         | rpm   |
| Nominal current | 162.60      | A     |
| Power factor    | 0.85        |       |
| Efficiency 100% | 94.0        | %     |
| Efficiency 75%  | 94.3        | %     |
| Efficiency 50%  | 93.7        | %     |
| Torque          | 868.12      | N.m   |
| Ta/Tn           | 2           |       |
| Ia/In           | 6.6         |       |
| Tm/Tn           | 2           |       |

### Mechanical Data

|                       |            |
|-----------------------|------------|
| Shaft height          | 315        |
| Construction form     | B3         |
| Mechanical protection | 55         |
| Heating class         | B          |
| Insulation class      | F          |
| Service               | S3-70%     |
| Ambient temp.         | -10°C-40°C |
| Altitude              | 1000       |
| Noise                 | 83 dB(A)   |
| Weight                | 897 kg     |
| Bearing DE            | NU 319     |
| Bearing NDE           | 6319 C3    |

### Extra Data

#### Applicable brakes

|          |      |              |               |
|----------|------|--------------|---------------|
| DC brake | K11D | Brake torque | 2000/2800 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 | 450 | W |

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