

Technical Data Sheet  
Electric Motor Three phase in Cast Iron IE2



L (standard motor)

1050

L (motor w/brake)

NA

L (motor w/forced ventilation)

1205

L (motor without ventilation)

930

| Feet |     |     |     |    | Shaft |     |    |      |      |        | Carcass |     |     |     | Flange |   |   |   |   |
|------|-----|-----|-----|----|-------|-----|----|------|------|--------|---------|-----|-----|-----|--------|---|---|---|---|
| H    | A   | B   | C   | K  | D     | E   | F  | G    | GA   | X      | AB      | BB  | AC  | HD  | M      | N | P | S | T |
| 280  | 457 | 419 | 190 | 24 | 75m6  | 140 | 20 | 67.5 | 79.5 | M20x42 | 550     | 535 | 547 | 680 | -      | - | - | - | - |

### Electrical Data

|                 |             |       |
|-----------------|-------------|-------|
| Type            | HE30 280M-4 |       |
| Poles           | 4/1500      | Poles |
| Power           | 90.00       | Kw    |
| Voltage         | 400         | V     |
| Frequency       | 50          | Hz    |
| Speed           | 1480        | rpm   |
| Nominal current | 156.70      | A     |
| Power factor    | 0.88        |       |
| Efficiency 100% | 94.2        | %     |
| Efficiency 75%  | 94.7        | %     |
| Efficiency 50%  | 93.6        | %     |
| Torque          | 580.7       | N.m   |
| Ta/Tn           | 2.2         |       |
| Ia/In           | 6.9         |       |
| Tm/Tn           | 2.3         |       |

### Mechanical Data

|                       |            |       |
|-----------------------|------------|-------|
| Shaft height          | 280        |       |
| Construction form     | B3         |       |
| Mechanical protection | 55         |       |
| Heating class         | B          |       |
| Insulation class      | F          |       |
| Service               | S3-70%     |       |
| Ambient temp.         | -10°C-40°C |       |
| Altitude              | 1000       |       |
| Noise                 | 80         | dB(A) |
| Weight                | 650        | kg    |
| Bearing DE            | 6317 C3    |       |
| Bearing NDE           | 6317 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 | 270 | W |

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