

Technical Data Sheet  
Electric Motor Three phase in Cast Iron IE3



L (standard motor)

1040

L (motor w/brake)

1250

L (motor w/forced ventilation)

1195

L (motor without ventilation)

920

| Feet |   |   |   |   | Shaft |     |    |      |      |        | Carcass |    |     |     | Flange |     |     |      |   |
|------|---|---|---|---|-------|-----|----|------|------|--------|---------|----|-----|-----|--------|-----|-----|------|---|
| H    | A | B | C | K | D     | E   | F  | G    | GA   | X      | AB      | BB | AC  | HD  | M      | N   | P   | S    | T |
| -    | - | - | - | - | 75m6  | 140 | 20 | 67.5 | 79.5 | M20x42 | -       | -  | 547 | 410 | 500    | 450 | 550 | 8x19 | 5 |

### Electrical Data

|                 |                   |       |
|-----------------|-------------------|-------|
| Type            | PE30/UM3C* 280S-6 |       |
| Poles           | 6/1000            | Poles |
| Power           | 45.00             | Kw    |
| Voltage         | 400               | V     |
| Frequency       | 50                | Hz    |
| Speed           | 980               | rpm   |
| Nominal current | 81.60             | A     |
| Power factor    | 0.85              |       |
| Efficiency 100% | 93.7              | %     |
| Efficiency 75%  | 93.8              | %     |
| Efficiency 50%  | 92.9              | %     |
| Torque          | 438.5             | N.m   |
| Ta/Tn           | 2                 |       |
| Ia/In           | 7.3               |       |
| Tm/Tn           | 2                 |       |

### Mechanical Data

|                       |            |
|-----------------------|------------|
| Shaft height          | -          |
| Construction form     | B5         |
| Mechanical protection | 55         |
| Heating class         | B          |
| Insulation class      | F          |
| Service               | S1         |
| Ambient temp.         | -10°C-40°C |
| Altitude              | 1000       |
| Noise                 | 78 dB(A)   |
| Weight                | 522 kg     |
| Bearing DE            | 6317 C3    |
| Bearing NDE           | 6317 C3    |

### Extra Data

#### Applicable brakes

|          |      |              |               |
|----------|------|--------------|---------------|
| DC brake | K10D | Brake torque | 1000/1500 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 |