

Technical Data Sheet  
Electric Motor Three phase in Cast Iron IE3



L (standard motor)

865

L (motor w/brake)

1025

L (motor w/forced ventilation)

1000

L (motor without ventilation)

740

| Feet |     |     |     |    | Shaft |     |    |    |    |        | Carcass |     |     |     | Flange |     |     |      |   |
|------|-----|-----|-----|----|-------|-----|----|----|----|--------|---------|-----|-----|-----|--------|-----|-----|------|---|
| H    | A   | B   | C   | K  | D     | E   | F  | G  | GA | X      | AB      | BB  | AC  | HD  | M      | N   | P   | S    | T |
| 225  | 356 | 286 | 149 | 19 | 60m6  | 140 | 18 | 53 | 64 | M20x42 | 435     | 370 | 445 | 560 | 400    | 350 | 450 | 8x19 | 5 |

### Electrical Data

|                 |                   |       |
|-----------------|-------------------|-------|
| Type            | PE30/UM3C* 225S-4 |       |
| Poles           | 4/1500            | Poles |
| Power           | 37.00             | Kw    |
| Voltage         | 400               | V     |
| Frequency       | 50                | Hz    |
| Speed           | 1485              | rpm   |
| Nominal current | 66.13             | A     |
| Power factor    | 0.86              |       |
| Efficiency 100% | 93.9              | %     |
| Efficiency 75%  | 94.0              | %     |
| Efficiency 50%  | 93.2              | %     |
| Torque          | 237.9             | N.m   |
| Ta/Tn           | 2                 |       |
| Ia/In           | 7.4               |       |
| Tm/Tn           | 2.3               |       |

### Mechanical Data

|                       |            |
|-----------------------|------------|
| Shaft height          | 225        |
| Construction form     | B35        |
| Mechanical protection | 55         |
| Heating class         | B          |
| Insulation class      | F          |
| Service               | S1         |
| Ambient temp.         | -10°C-40°C |
| Altitude              | 1000       |
| Noise                 | 78 dB(A)   |
| Weight                | 343 kg     |
| Bearing DE            | 6313 C3    |
| Bearing NDE           | 6313 C3    |

### Extra Data

#### Applicable brakes

|          |     |              |     |     |
|----------|-----|--------------|-----|-----|
| DC brake | K9D | Brake torque | 600 | 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 | 170 | W |

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