

Technical Data Sheet  
Electric Motor Three phase in Cast Iron IE4



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 | -      | - | - | - | - |

### Electrical Data

|                 |                      |       |
|-----------------|----------------------|-------|
| Type            | UM4C 225S-8          |       |
| Poles           | 8/750                | Poles |
| Power           | 18.50                | Kw    |
| Voltage         | 400                  | V     |
| Frequency       | 50                   | Hz    |
| Speed           | 735                  | rpm   |
| Nominal current | 38.80                | A     |
| Power factor    | 0.75                 |       |
| Efficiency 100% | 91.7                 | %     |
| Efficiency 75%  | 92.0                 | %     |
| Efficiency 50%  | 90.3                 | %     |
| Torque          | 240.374149659864 N.m |       |
| Ta/Tn           | 1.8                  |       |
| Ia/In           | 8.1                  |       |
| Tm/Tn           | 2                    |       |

### Mechanical Data

|                       |            |       |
|-----------------------|------------|-------|
| Shaft height          | 225        |       |
| Construction form     | B3         |       |
| Mechanical protection | 55         |       |
| Heating class         | B          |       |
| Insulation class      | F          |       |
| Service               | S1         |       |
| Ambient temp.         | -10°C-40°C |       |
| Altitude              | 1000       |       |
| Noise                 | 73         | dB(A) |
| Weight                | 321        | 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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