

**Type** : 3EL132M4D-PD-B0-000**Date** : 08/01/2026

Power [kW] : 7.50  
Input Voltage [V] : 400  
Connection Type [ $\Delta$  / Y] :  $\Delta$   
Frequency [Hz] : 50  
Pole Number : 4  
Nominal Speed [rpm] : 1465  
Nominal Current [A] : 14.8  
Nominal Moment [Nm] : 48.9  
Nominal Efficiency [ $\eta$ ] : 90.4  
Power Factor [ $\cos\phi$ ] : 0.81  
Locked Rotor Current [ $I_a/I_n$ ] : 7.8  
Locked Rotor Torque [ $M_a/M_n$ ] : 3.2  
Breakdown Torque [ $M_k/M_n$ ] : 3.4  
Motor Color : RAL 7031  
Ambient Temperature : -15°C / +40°C

Efficiency Class : IE3  
Duty Cycle : S1  
Service Factor : 1.20  
Frame Size : 132M  
Weight [kg] : 59.5  
Insulation Class : F [155°C]  
Temperature Rise : B [80°K]  
Protection Class : IP55  
Vibration Severity Grade : A  
Method of Cooling : IC411 (TEFC)  
Direction of Rotation : Bidirectional  
Balance : Half Key  
Motor Thermal Protection : --  
Altitude Above Sea Level : 1000m  
Sound Pressure Level [dBA] : 61

**ELECTRICAL DATA**

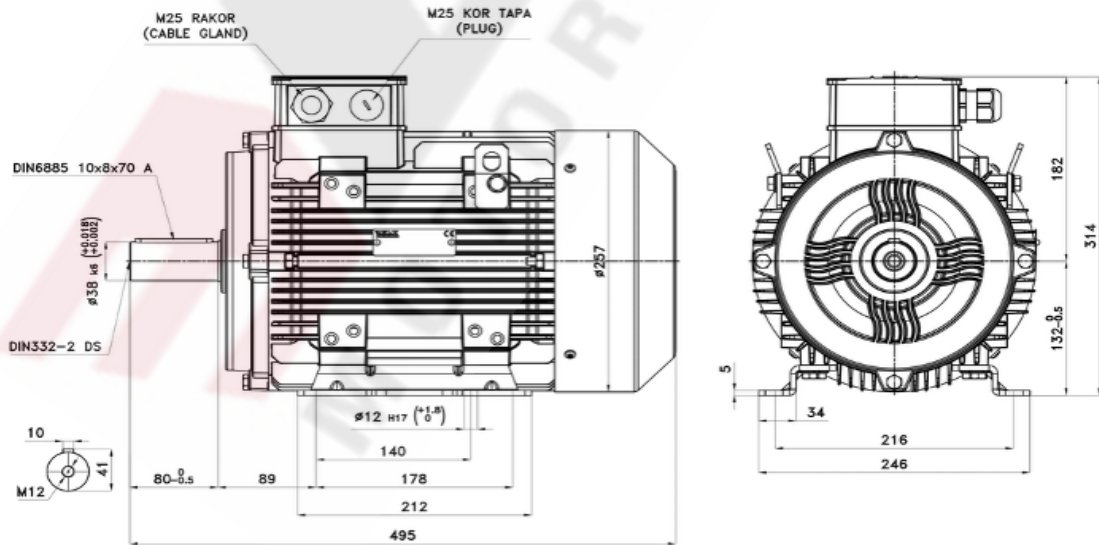
| $\Delta$ / Y | U [V] | f [Hz] | P [kW] | n [rpm] | I [A] | $\eta$ [%100] | $\eta$ [%75] | $\eta$ [%50] | Cos $\phi$ | Cl  |
|--------------|-------|--------|--------|---------|-------|---------------|--------------|--------------|------------|-----|
| $\Delta$     | 400   | 50     | 7.50   | 1465    | 14.8  | 90.4          | 91.0         | 90.5         | 0.81       | IE3 |
| Y            | 690   | 50     | 7.50   | 1465    | 8.55  | 90.4          | 91.0         | 90.5         | 0.81       | IE3 |
| $\Delta$     | 460   | 60     | 7.50   | 1770    | 13.0  | 91.7          | 91.6         | 90.2         | 0.79       | IE3 |
| $\Delta$     | 460   | 60     | 8.70   | 1760    | 14.9  | 89.5          | 90.0         | 89.4         | 0.82       | IE2 |

**MECHANICAL DATA**

Moment of Inertia [kgm<sup>2</sup>] : 0.03418  
Bearing [DS / NS] : 6208ZZ C3 / 6208ZZ C3  
Frame Material : Aluminum  
Flange Type / Material : B3 / Aluminum  
Cooling Fan Material : Plastic  
End Shield Material : Aluminum

**TERMINAL BOX**

Terminal Box Material : Aluminum  
Terminal Box Position : Top  
Terminal Box Cable Entry : M25x1.5  
Terminal Box Blind Cap : M25x1.5  
Contact Screw Thread : M5

**MECHANICAL DIMENSIONS**

Manufactured and tested in accordance with IEC 60034

FR.AG.010 REV.NO: 04 REV.DATE: 01.01.2023

\*Technical data are subject to change! There may be discrepancies between calculated and rating plate values.  
\*ELK Motor has right to change all the data without prior notice.



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## TECHNICAL DATASHEET ACCORDING TO COMMISSION REGULATION (EU) 2019/1781 THREE PHASE INDUCTION MOTOR - SQUIRREL CAGE

Type : 3EL132M4D-PD-B0-000

Date : 08/01/2026

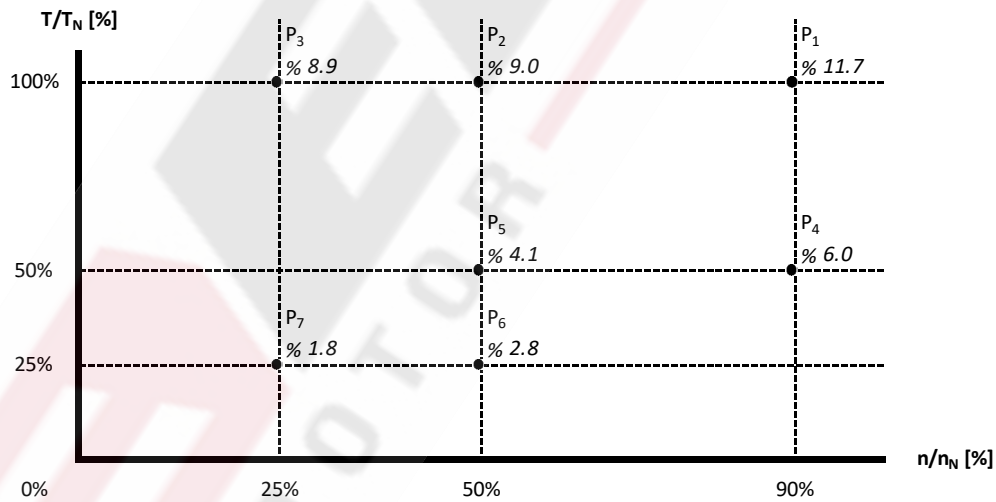
### NAMEPLATE DATA

|                                 |            |                                |        |
|---------------------------------|------------|--------------------------------|--------|
| Power [kW]                      | : 7.50     | Nominal Speed [rpm]            | : 1465 |
| Nominal Voltage [V]             | : 400      | Nominal Current [A]            | : 14.8 |
| Connection Type [ $\Delta$ / Y] | : $\Delta$ | Nominal Moment [Nm]            | : 48.9 |
| Nominal Frequency [Hz]          | : 50       | Nominal Efficiency [ $\eta$ %] | : 90.4 |

### THE POWER LOSSES AT SEVEN OPERATING POINTS ACCORDING TO COMMISSION REGULATION (EU) 2019/1781

| Operating Point Number | Speed $n/n_N$ [%] | Torque $T/T_N$ [%] | Relative Power Losses $P_L/P_N$ [%] | Efficiency $\eta$ [%] |
|------------------------|-------------------|--------------------|-------------------------------------|-----------------------|
| P <sub>1</sub>         | 90                | 100                | 11.7                                | 88.6                  |
| P <sub>2</sub>         | 50                | 100                | 9.0                                 | 84.8                  |
| P <sub>3</sub>         | 25                | 100                | 8.9                                 | 73.7                  |
| P <sub>4</sub>         | 90                | 50                 | 6.0                                 | 88.2                  |
| P <sub>5</sub>         | 50                | 50                 | 4.1                                 | 86.0                  |
| P <sub>6</sub>         | 50                | 25                 | 2.8                                 | 81.5                  |
| P <sub>7</sub>         | 25                | 25                 | 1.8                                 | 77.9                  |

### MAP OF RELATIVE POWER LOSSES $P_L/P_N$ [%]



Manufactured and tested in accordance with IEC 60034

FR.AG.010 REV.NO: 04 REV.DATE: 01.01.2023

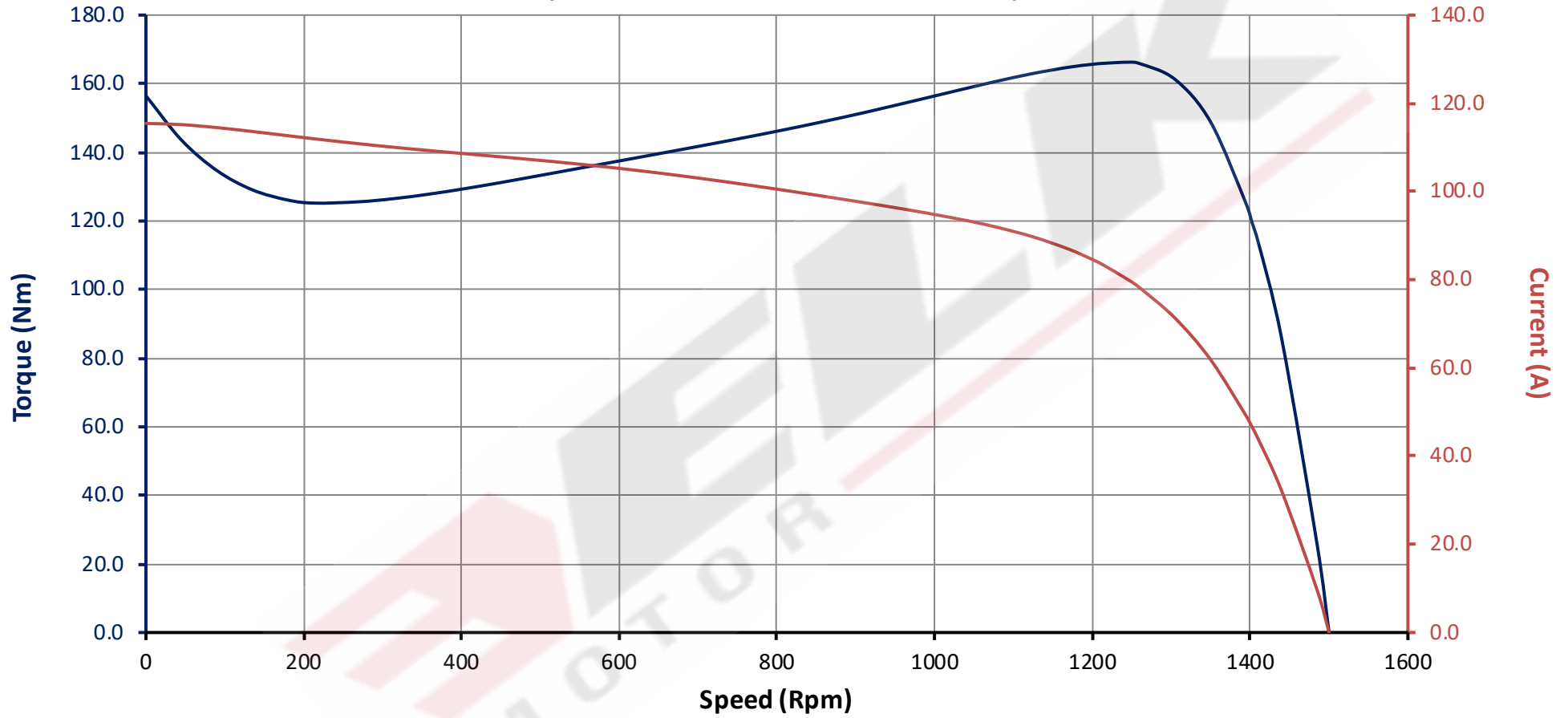
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Motor Code :

3EL132M4D-PD-B0-000

Torque and Current Curves Related to Speed



Motor Code :

3EL132M4D-PD-B0-000

### Performance Curves Related to Rated Output

