





ELK MOTOR SAN. ve TİC. A.Ş.  
www.elkmotor.com.tr  
+90 (282) 726 92 94

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

Type : 3EL090L2C-PA-A0-000

Date : 08/01/2026

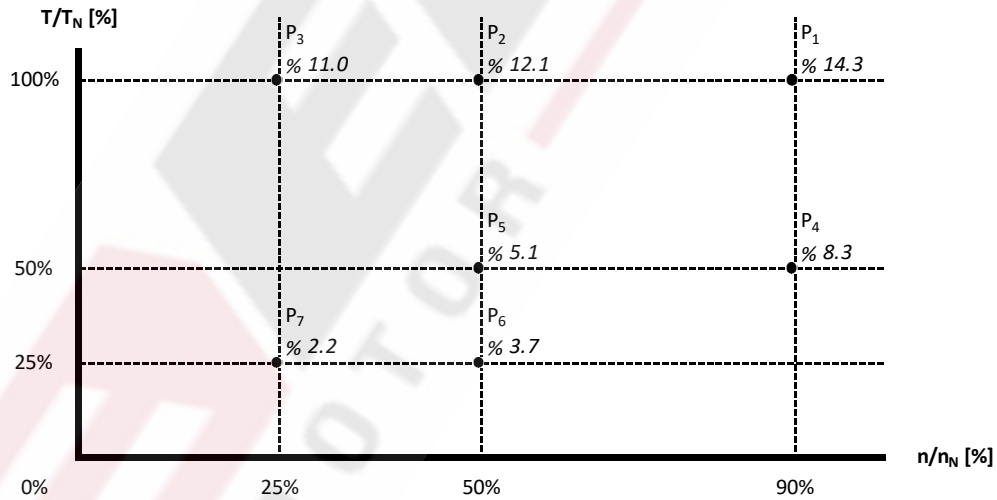
NAMEPLATE DATA

|                                 |        |                                |        |
|---------------------------------|--------|--------------------------------|--------|
| Power [kW]                      | : 2.20 | Nominal Speed [rpm]            | : 2900 |
| Nominal Voltage [V]             | : 400  | Nominal Current [A]            | : 4.25 |
| Connection Type [ $\Delta$ / Y] | : Y    | Nominal Moment [Nm]            | : 7.24 |
| Nominal Frequency [Hz]          | : 50   | Nominal Efficiency [ $\eta$ %] | : 85.9 |

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                | 14.3                                | 86.3                  |
| P <sub>2</sub>         | 50                | 100                | 12.1                                | 80.5                  |
| P <sub>3</sub>         | 25                | 100                | 11.0                                | 69.5                  |
| P <sub>4</sub>         | 90                | 50                 | 8.3                                 | 84.4                  |
| P <sub>5</sub>         | 50                | 50                 | 5.1                                 | 83.1                  |
| P <sub>6</sub>         | 50                | 25                 | 3.7                                 | 77.3                  |
| P <sub>7</sub>         | 25                | 25                 | 2.2                                 | 73.9                  |

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



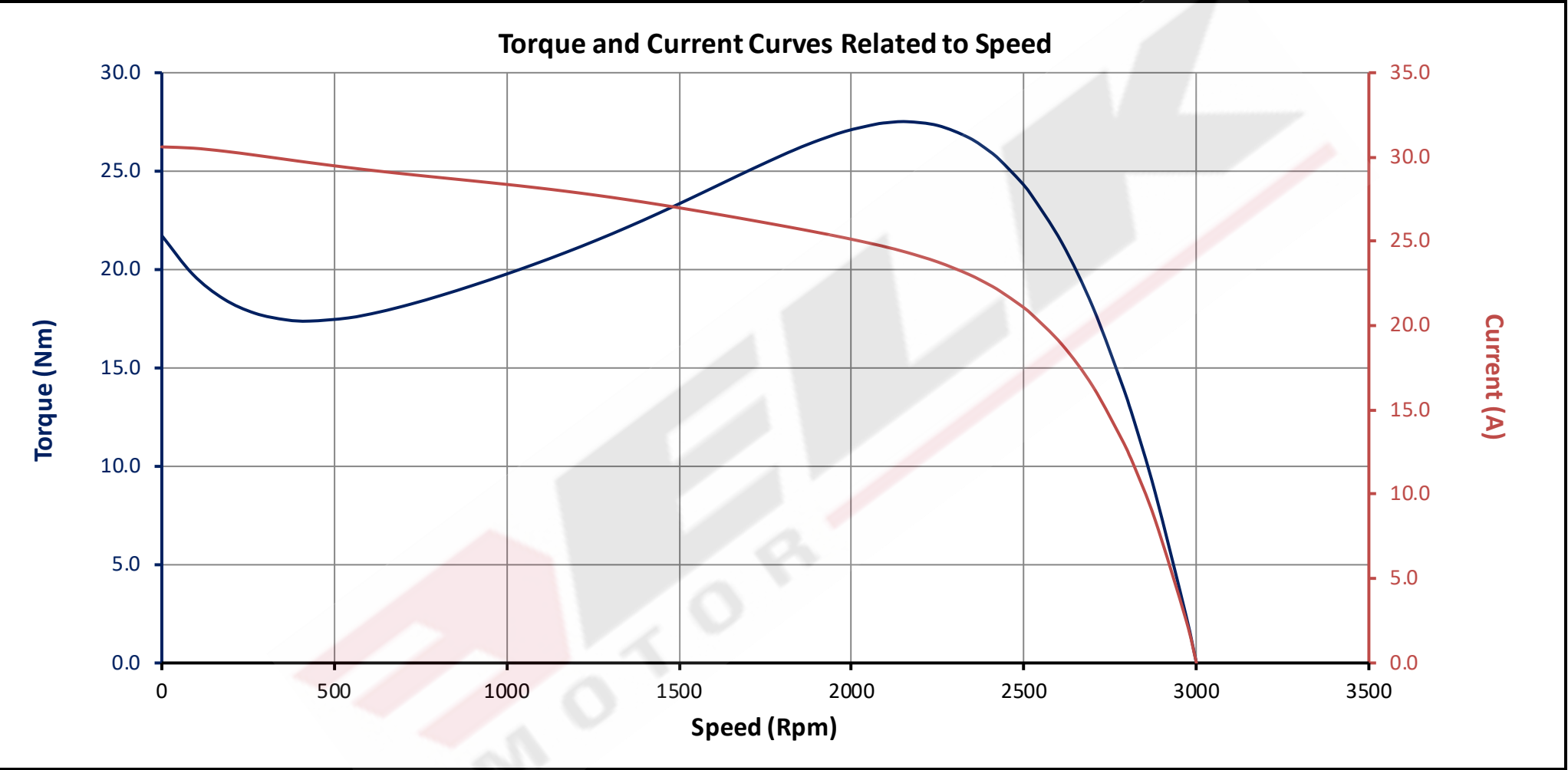
Manufactured and tested in accordance with IEC 60034

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

\*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.

Motor Code : 3EL090L2C-PA-A0-000



Motor Code : 3EL090L2C-PA-A0-000

Performance Curves Related to Rated Output

