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

Type : 3EL071M6C-FA-A0-000

Date : 01.01.2023

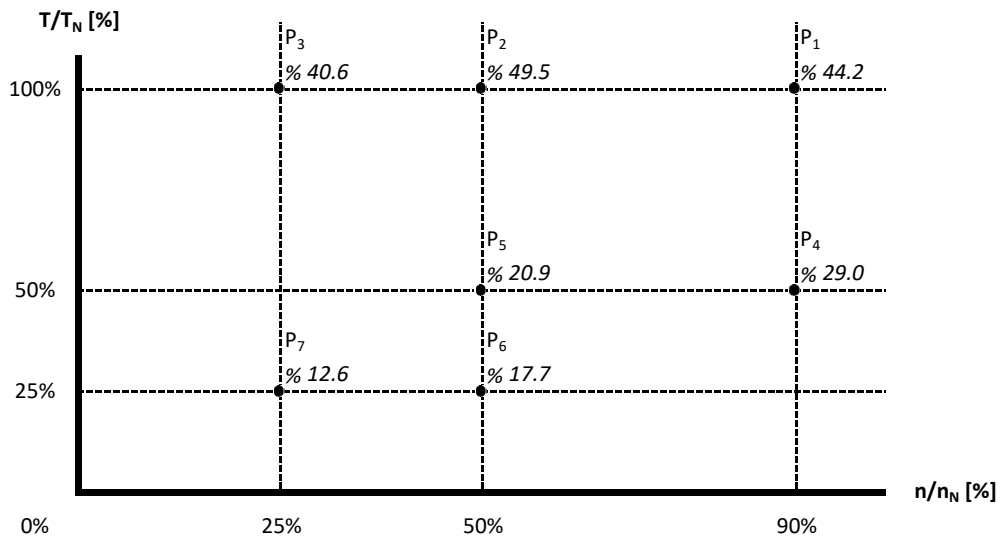
### NAMEPLATE DATA

|                                 |        |                                |        |
|---------------------------------|--------|--------------------------------|--------|
| Power [kW]                      | : 0.18 | Nominal Speed [rpm]            | : 930  |
| Nominal Voltage [V]             | : 400  | Nominal Current [A]            | : 0.55 |
| Connection Type [ $\Delta$ / Y] | : Y    | Nominal Moment [Nm]            | : 1.85 |
| Nominal Frequency [Hz]          | : 50   | Nominal Efficiency [ $\eta$ %] | : 68.0 |

### 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                | 44.2                                | 67.1                  |
| P <sub>2</sub>         | 50                | 100                | 49.5                                | 50.3                  |
| P <sub>3</sub>         | 25                | 100                | 40.6                                | 38.1                  |
| P <sub>4</sub>         | 90                | 50                 | 29.0                                | 60.8                  |
| P <sub>5</sub>         | 50                | 50                 | 20.9                                | 54.5                  |
| P <sub>6</sub>         | 50                | 25                 | 17.7                                | 41.9                  |
| P <sub>7</sub>         | 25                | 25                 | 12.6                                | 32.7                  |

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



Manufactured and tested in accordance with IEC 60034

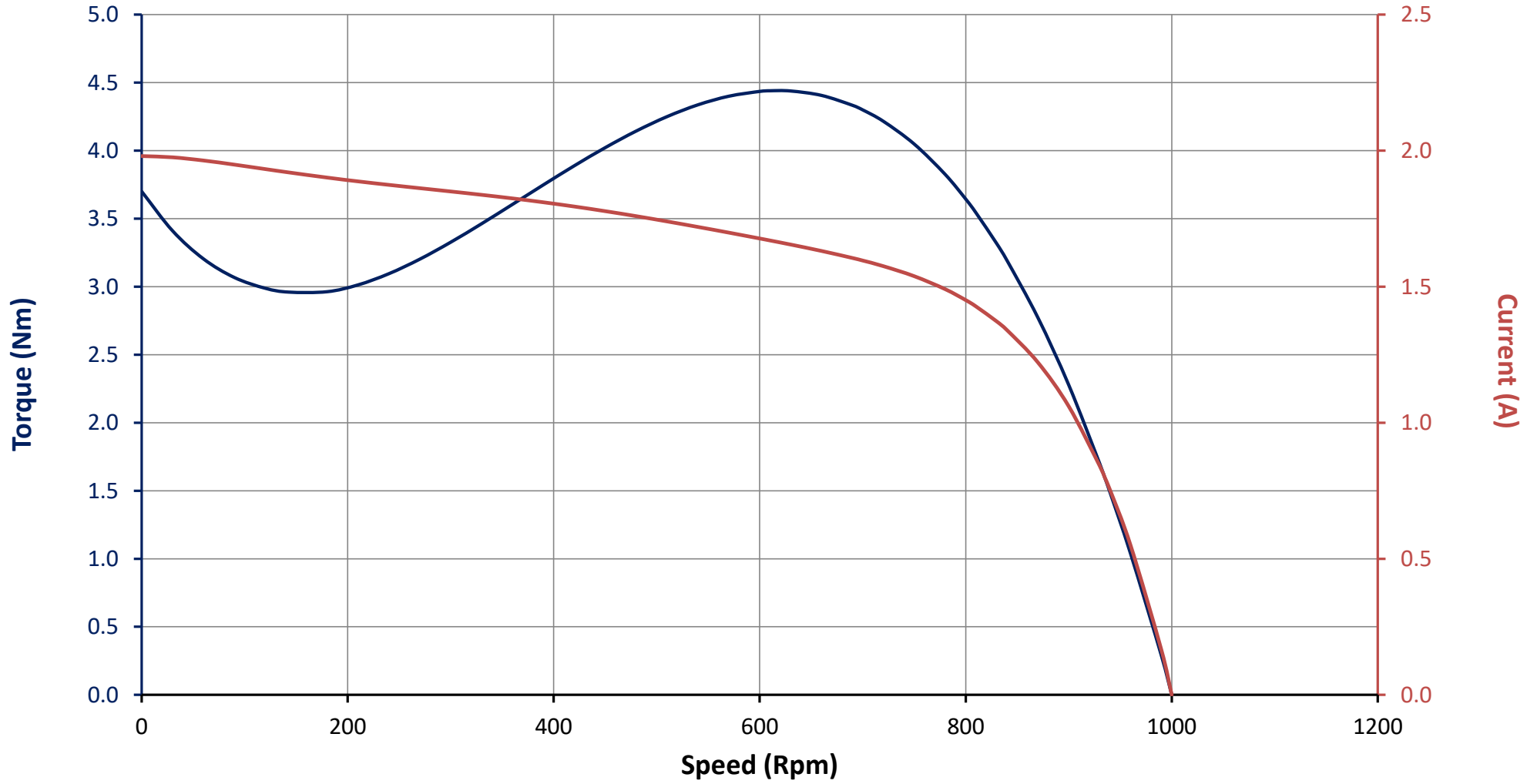
FR.AG.010 REV.NO: 04 REV.DATE: 01.01.2023

\*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 : 3EL071M6C-FA-A0-000

Torque and Current Curves Related to Speed



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### Performance Curves Related to Rated Output

