





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 : 4EL200L2C-FA-BA-000

Date : 01.01.2023

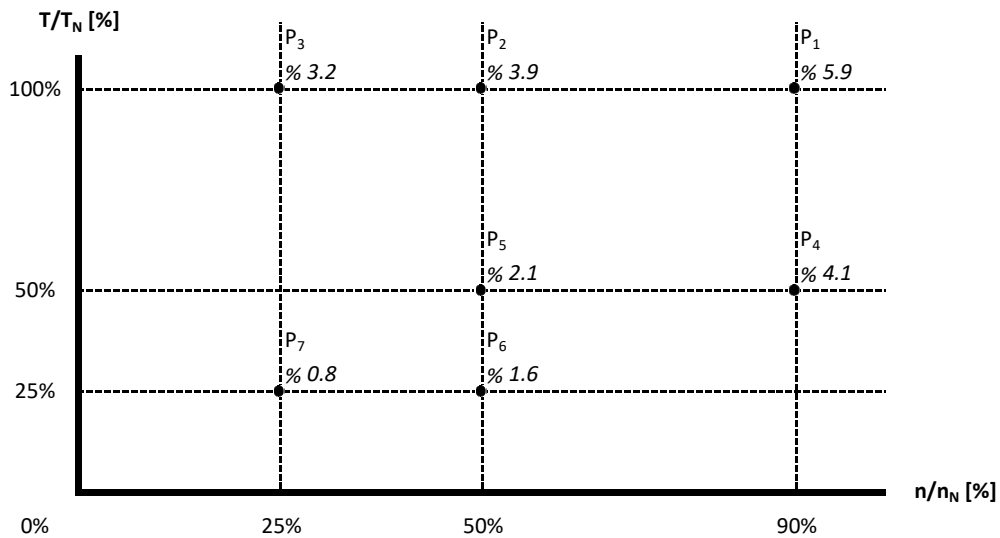
### NAMEPLATE DATA

Power [kW]	: 30.0	Nominal Speed [rpm]	: 2970
Nominal Voltage [V]	: 400	Nominal Current [A]	: 51.0
Connection Type [ $\Delta$ / Y]	: $\Delta$	Nominal Moment [Nm]	: 96.5
Nominal Frequency [Hz]	: 50	Nominal Efficiency [ $\eta$ %]	: 94.5

### 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	5.9	93.9
P <sub>2</sub>	50	100	3.9	92.7
P <sub>3</sub>	25	100	3.2	88.8
P <sub>4</sub>	90	50	4.1	91.7
P <sub>5</sub>	50	50	2.1	92.2
P <sub>6</sub>	50	25	1.6	88.6
P <sub>7</sub>	25	25	0.8	88.7

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



Manufactured and tested in accordance with IEC 60034

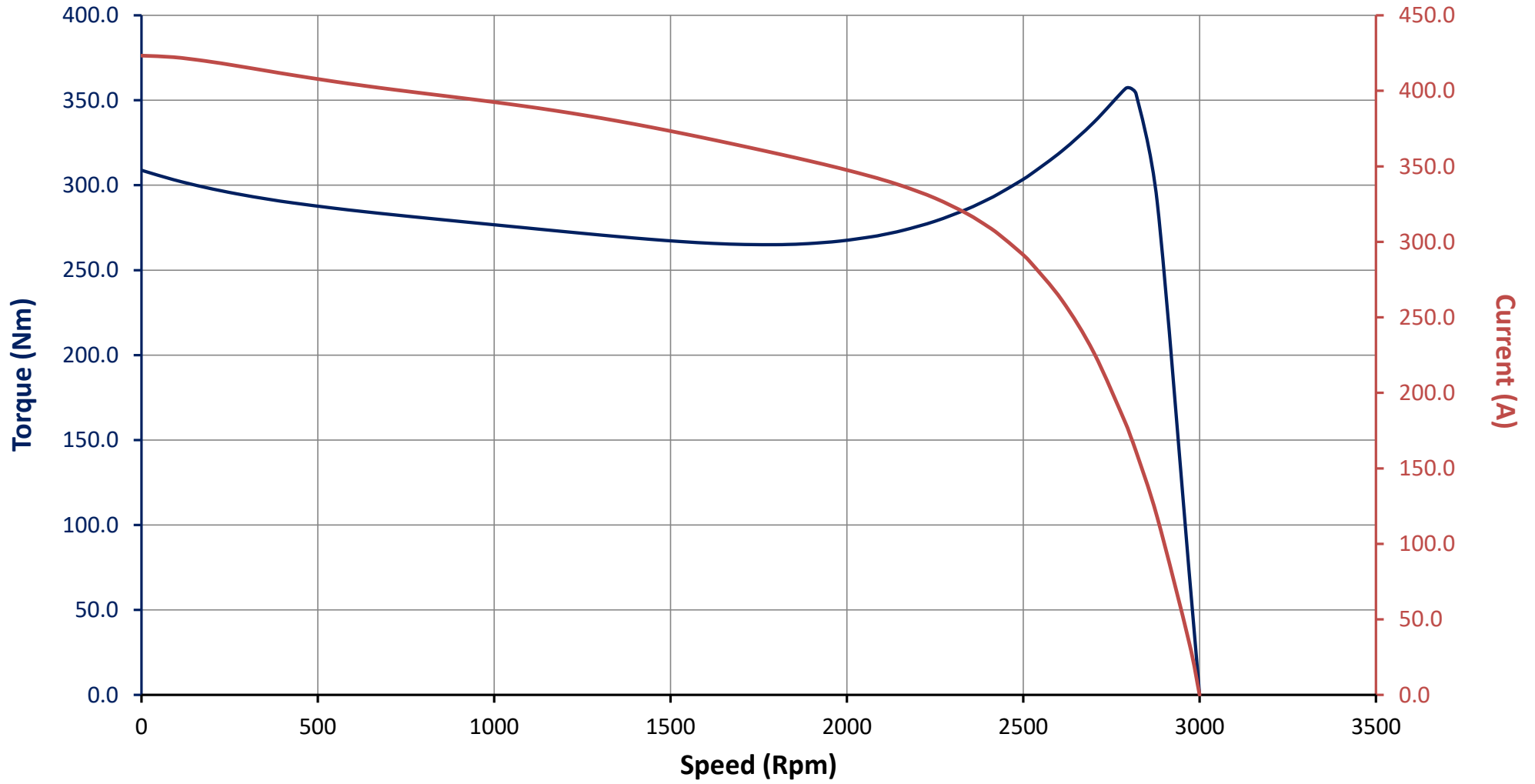
FR.AG.010 REV.NO: 04 REV.DATE: 01.01.2023

\*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 : 4EL200L2C-FA-BA-000

Torque and Current Curves Related to Speed



Motor Code : 4EL200L2C-FA-BA-000

### Performance Curves Related to Rated Output

