





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 : 2EL080M6A-PA-A0-000

Date : 01.01.2023

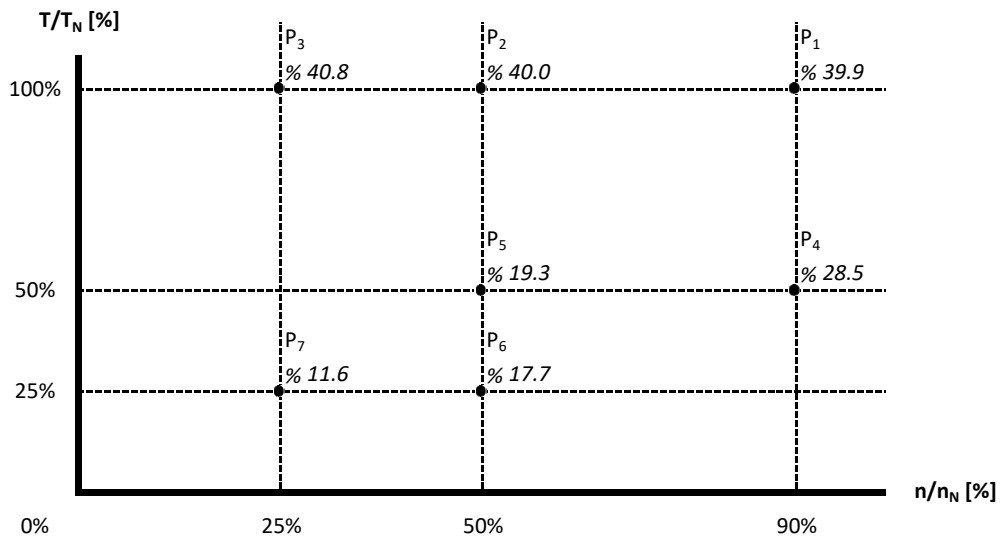
### NAMEPLATE DATA

Power [kW]	: 0.37	Nominal Speed [rpm]	: 925
Nominal Voltage [V]	: 400	Nominal Current [A]	: 1.08
Connection Type [ $\Delta$ / Y]	: Y	Nominal Moment [Nm]	: 3.82
Nominal Frequency [Hz]	: 50	Nominal Efficiency [ $\eta$ %]	: 71.4

### 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	39.9	69.3
P <sub>2</sub>	50	100	40.0	55.6
P <sub>3</sub>	25	100	40.8	38.2
P <sub>4</sub>	90	50	28.5	61.3
P <sub>5</sub>	50	50	19.3	56.6
P <sub>6</sub>	50	25	17.7	41.3
P <sub>7</sub>	25	25	11.6	34.9

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



Manufactured and tested in accordance with IEC 60034

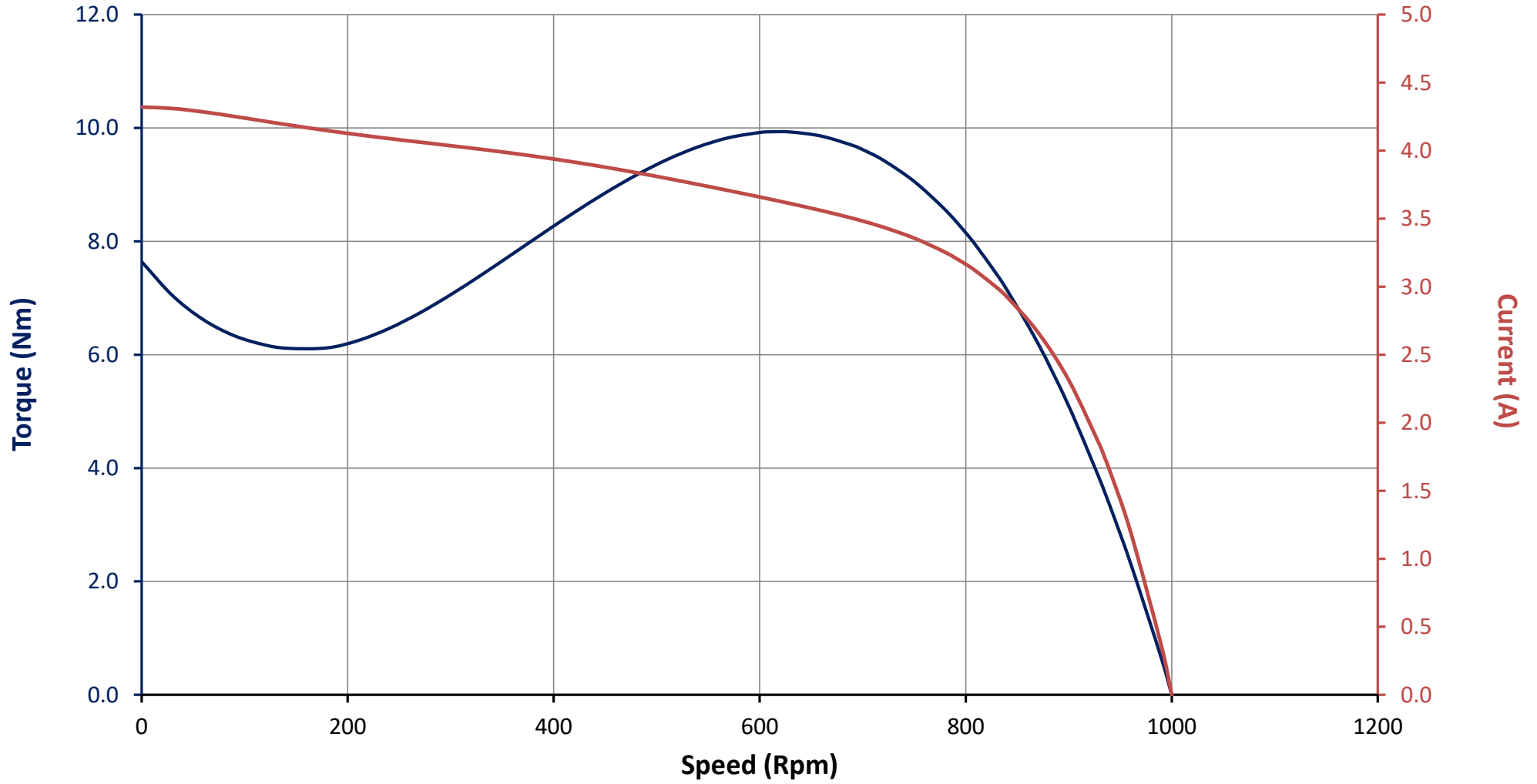
FR.AG.010 REV.NO: 04 REV.DATE: 01.01.2023

\*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 : 2EL080M6A-PA-A0-000

Torque and Current Curves Related to Speed



Motor Code : 2EL080M6A-PA-A0-000

### Performance Curves Related to Rated Output

