

Type : 3EL132M6C-PD-B0-000**Date** : 28/10/2025

Power [kW] : 4.00
Input Voltage [V] : 400
Connection Type [Δ / Y] : Δ
Frequency [Hz] : 50
Pole Number : 6
Nominal Speed [rpm] : 970
Nominal Current [A] : 8.52
Nominal Moment [Nm] : 39.4
Nominal Efficiency [η] : 86.8
Power Factor [cosφ] : 0.78
Locked Rotor Current [I_a/I_n] : 6.2
Locked Rotor Torque [M_a/M_n] : 2.2
Breakdown Torque [M_k/M_n] : 2.9
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] : 51.0
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] : 58

ELECTRICAL DATA

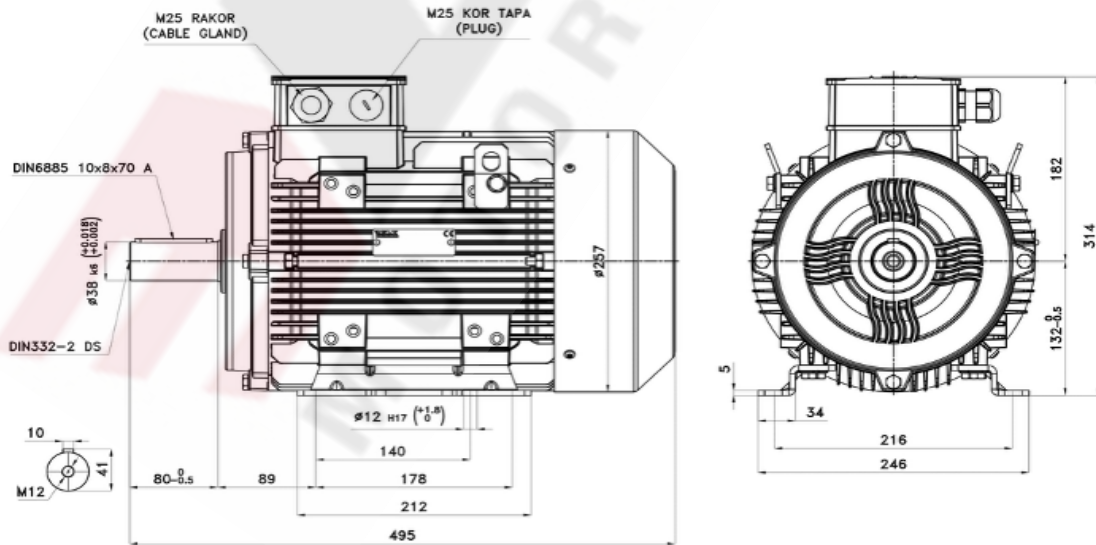
Δ / Y	U [V]	f [Hz]	P [kW]	n [rpm]	I [A]	η [%100]	η [%75]	η [%50]	cosφ	Cl
Δ	400	50	4.00	970	8.52	86.8	87.0	85.5	0.78	IE3
Y	690	50	4.00	970	4.92	86.8	87.0	85.5	0.78	IE3

MECHANICAL DATA

Moment of Inertia [kgm²] : 0.03493
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





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

Type : 3EL132M6C-PD-B0-000

Date : 28/10/2025

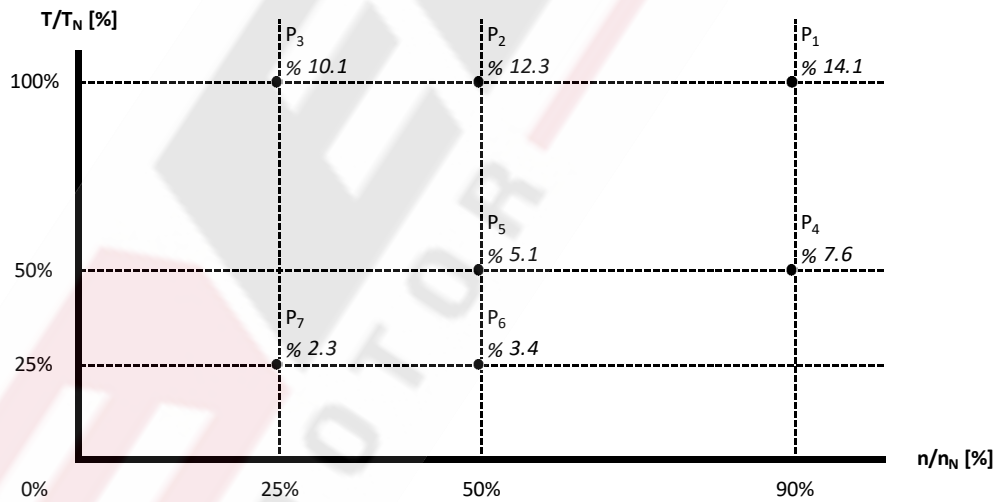
NAMEPLATE DATA

Power [kW]	: 4.00	Nominal Speed [rpm]	: 970
Nominal Voltage [V]	: 400	Nominal Current [A]	: 8.52
Connection Type [Δ / Y]	: Δ	Nominal Moment [Nm]	: 39.4
Nominal Frequency [Hz]	: 50	Nominal Efficiency [η %]	: 86.8

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 η [%]
P ₁	90	100	14.1	86.4
P ₂	50	100	12.3	80.3
P ₃	25	100	10.1	71.3
P ₄	90	50	7.6	85.6
P ₅	50	50	5.1	83.1
P ₆	50	25	3.4	78.5
P ₇	25	25	2.3	73.0

MAP OF RELATIVE POWER LOSSES P_L/P_N [%]



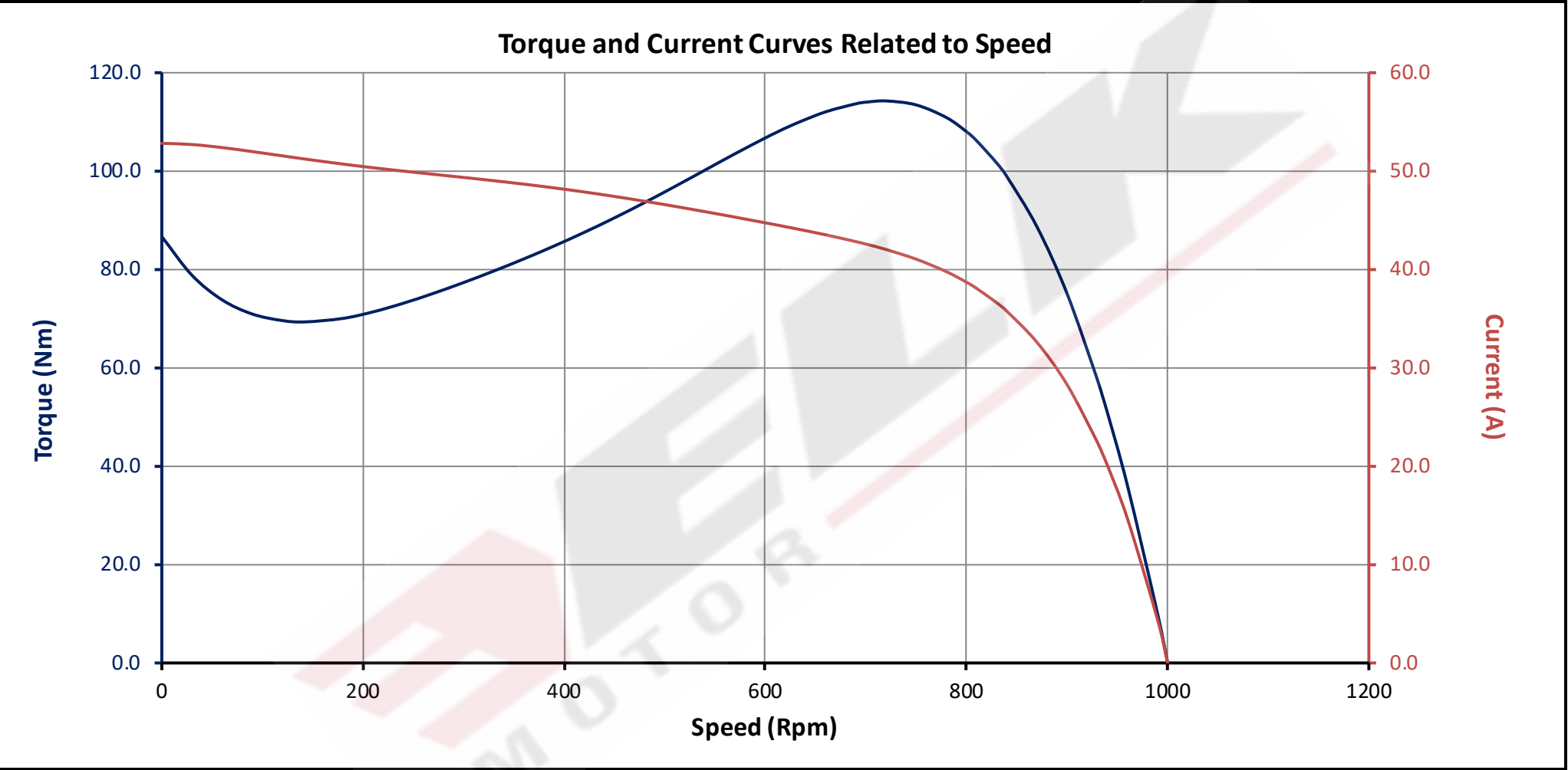
Manufactured and tested in accordance with IEC 60034

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.

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Performance Curves Related to Rated Output

