

Type : 3EL132S4C-PD-B0-000**Date** : 04/11/2025

Power [kW]	: 5.50
Input Voltage [V]	: 400
Connection Type [Δ / Y]	: Δ
Frequency [Hz]	: 50
Pole Number	: 4
Nominal Speed [rpm]	: 1465
Nominal Current [A]	: 10.9
Nominal Moment [Nm]	: 35.9
Nominal Efficiency [η]	: 89.6
Power Factor [$\cos\phi$]	: 0.81
Locked Rotor Current [I_a/I_n]	: 7.0
Locked Rotor Torque [M_a/M_n]	: 3.0
Breakdown Torque [M_k/M_n]	: 3.3
Motor Color	: RAL 7031
Ambient Temperature	: -15°C / +40°C

Efficiency Class	: IE3
Duty Cycle	: S1
Service Factor	: 1.20
Frame Size	: 132S
Weight [kg]	: 53.4
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]	: 61

ELECTRICAL DATA

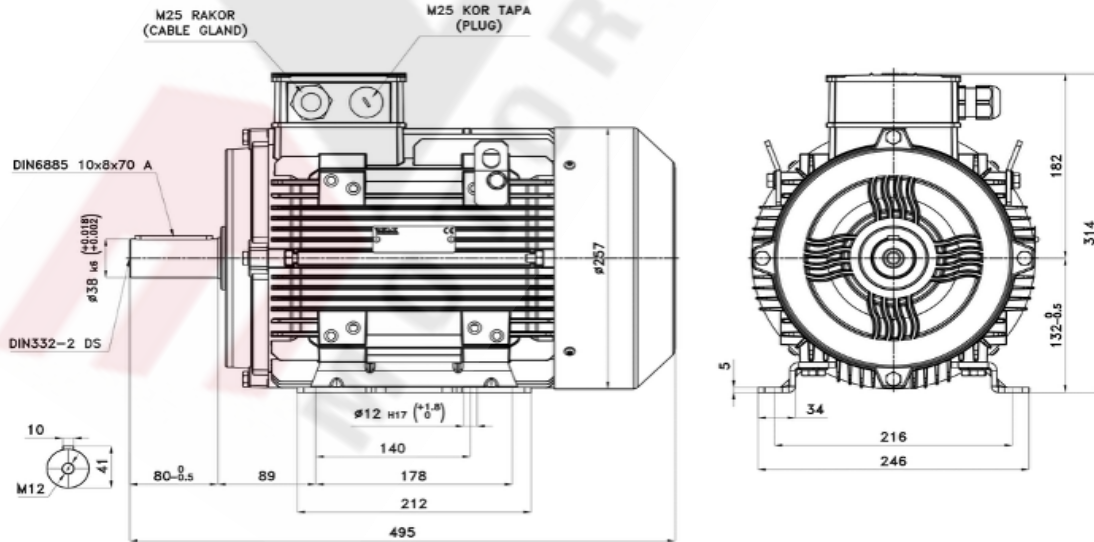
Δ / Y	U [V]	f [Hz]	P [kW]	n [rpm]	I [A]	η [%100]	η [%75]	η [%50]	$\cos\phi$	Cl
Δ	400	50	5.50	1465	10.9	89.6	90.2	90.0	0.81	IE3
Y	690	50	5.50	1465	6.29	89.6	90.2	90.0	0.81	IE3

MECHANICAL DATA

Moment of Inertia [kgm ²]	: 0.03059
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

Manufactured and tested in accordance with IEC 60034

FR.AG.010 REV.NO: 04 REV.DATE: 01.01.

*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.





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 : 3EL132S4C-PD-B0-000

Date : 04/11/2025

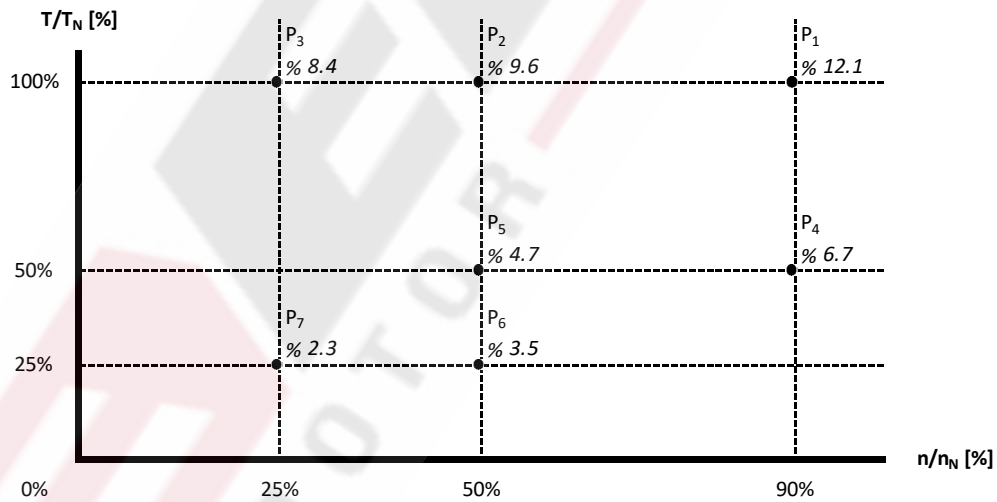
NAMEPLATE DATA

Power [kW]	: 5.50	Nominal Speed [rpm]	: 1465
Nominal Voltage [V]	: 400	Nominal Current [A]	: 10.9
Connection Type [Δ / Y]	: Δ	Nominal Moment [Nm]	: 35.9
Nominal Frequency [Hz]	: 50	Nominal Efficiency [η %]	: 89.6

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	12.1	88.1
P ₂	50	100	9.6	83.8
P ₃	25	100	8.4	74.9
P ₄	90	50	6.7	87.0
P ₅	50	50	4.7	84.3
P ₆	50	25	3.5	78.3
P ₇	25	25	2.3	73.2

MAP OF RELATIVE POWER LOSSES P_L/P_N [%]



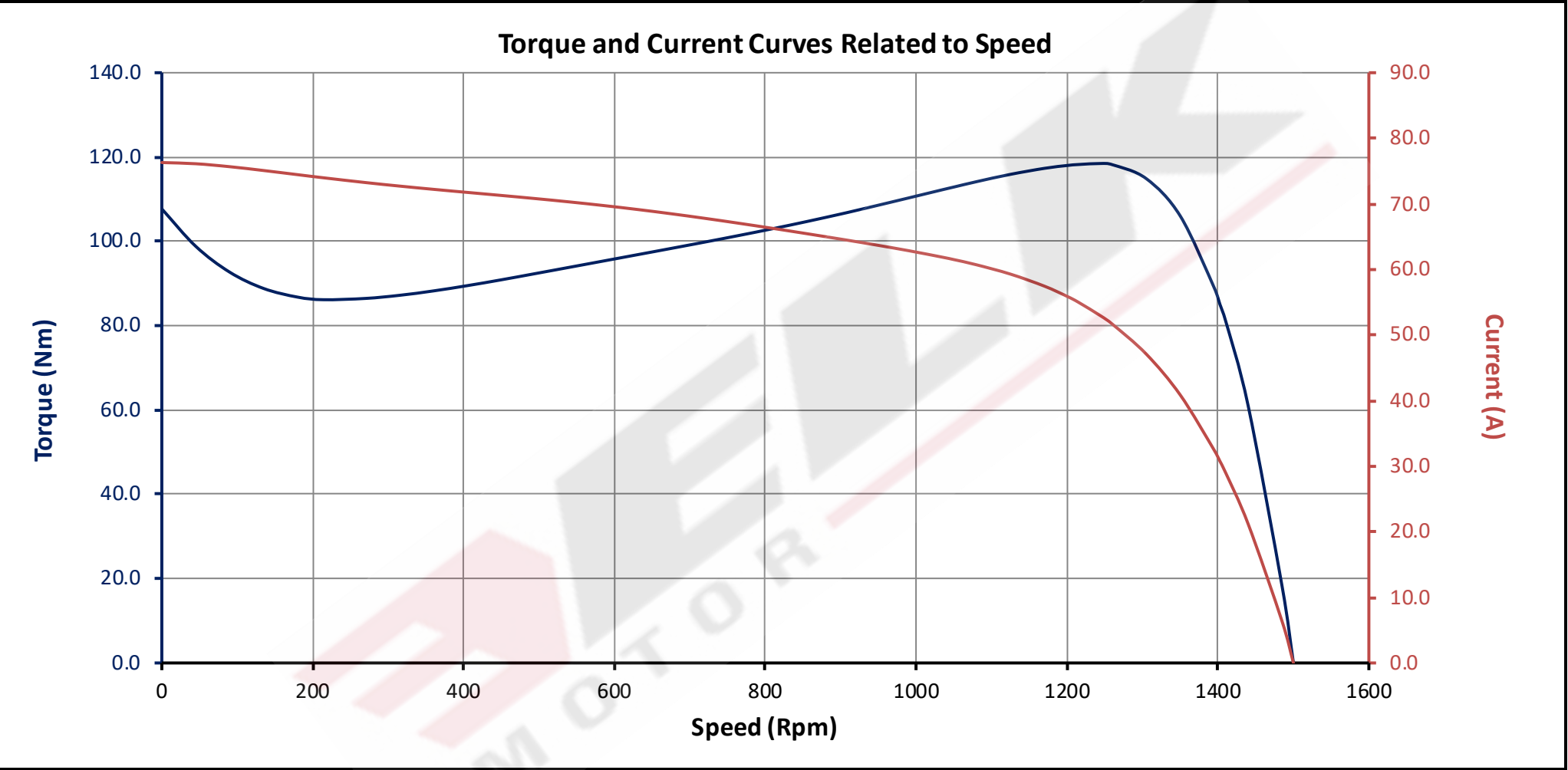
Manufactured and tested in accordance with IEC 60034

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 : 3EL132S4C-PD-B0-000



Motor Code : 3EL132S4C-PD-B0-000

Performance Curves Related to Rated Output

