

Type : 3EL132S2B-PD-B0-000**Date** : 12/08/2025

Power [kW] : 5.50
Input Voltage [V] : 400
Connection Type [Δ / Y] : Δ
Frequency [Hz] : 50
Pole Number : 2
Nominal Speed [rpm] : 2945
Nominal Current [A] : 9.90
Nominal Moment [Nm] : 17.8
Nominal Efficiency [η] : 89.2
Power Factor [cosφ] : 0.90
Locked Rotor Current [Ia/In] : 8.9
Locked Rotor Torque [Ma/Mn] : 2.9
Breakdown Torque [Mk/Mn] : 3.9
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] : 44.4
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] : 67

ELECTRICAL DATA

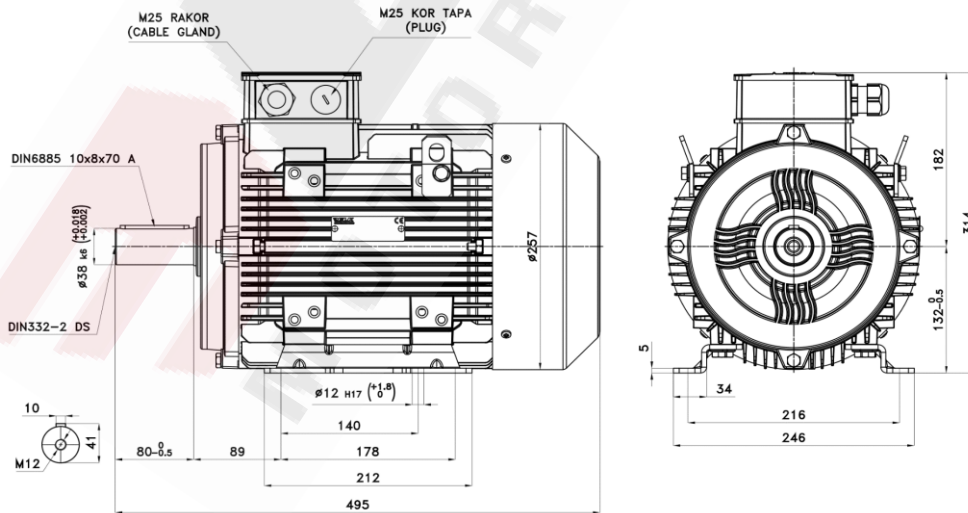
Δ / Y	U [V]	f [Hz]	P [kW]	n [rpm]	I [A]	η [%100]	η [%75]	η [%50]	Cosφ	CI
Δ	400	50	5.50	2945	9.90	89.2	89.0	88.6	0.90	IE3
Y	690	50	5.50	2945	5.72	89.2	89.0	88.6	0.90	IE3
Δ	460	60	5.50	3540	8.54	89.5	89.3	88.9	0.90	IE3
Δ	460	60	6.38	3535	9.70	89.5	89.2	88.7	0.92	IE3

MECHANICAL DATA

Moment of Inertia [kgm²] : 0.01732
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

*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.

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



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 : 3EL132S2B-PD-B0-000

Date : 12/08/2025

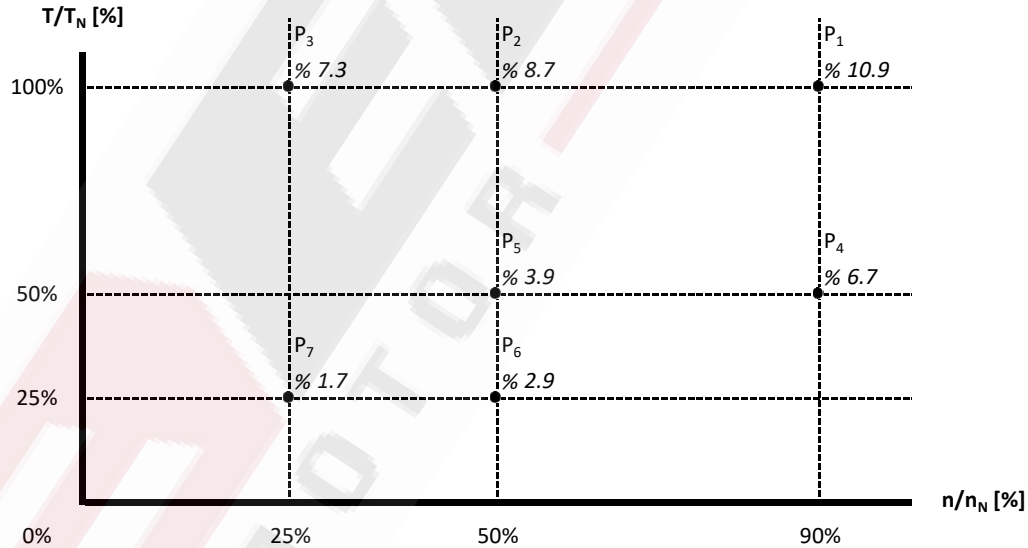
NAMEPLATE DATA

Power [kW]	: 5.50	Nominal Speed [rpm]	: 2945
Nominal Voltage [V]	: 400	Nominal Current [A]	: 9.90
Connection Type [Δ / Y]	: Δ	Nominal Moment [Nm]	: 17.8
Nominal Frequency [Hz]	: 50	Nominal Efficiency [η %]	: 89.2

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	10.9	89.2
P ₂	50	100	8.7	85.2
P ₃	25	100	7.3	77.4
P ₄	90	50	6.7	87.1
P ₅	50	50	3.9	86.4
P ₆	50	25	2.9	81.4
P ₇	25	25	1.7	78.9

MAP OF RELATIVE POWER LOSSES P_L/P_N [%]



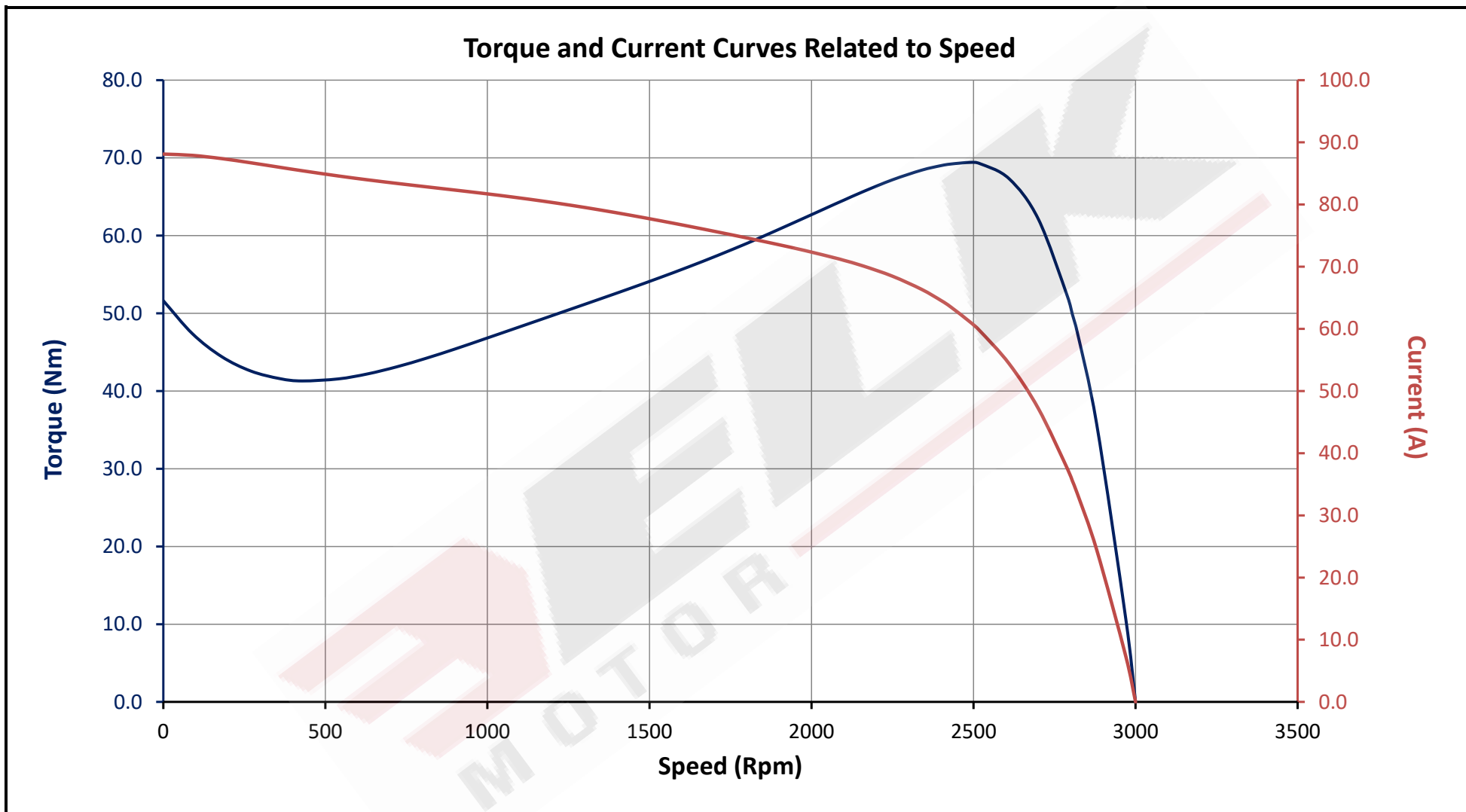
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Performance Curves Related to Rated Output

