

Type : 3EC132M2C-PD-B0-000

Date : 04/11/2025

Power [kW]	: 9.00	Efficiency Class	: IE3
Input Voltage [V]	: 400	Duty Cycle	: S1
Connection Type [Δ / Y]	: Δ	Service Factor	: --
Frequency [Hz]	: 50	Frame Size	: 132M
Pole Number	: 2	Weight [kg]	: 52.0
Nominal Speed [rpm]	: 2940	Insulation Class	: F [155°C]
Nominal Current [A]	: 16.3	Temperature Rise	: B [80°K]
Nominal Moment [Nm]	: 29.2	Protection Class	: IP55
Nominal Efficiency [η]	: 90.6	Vibration Severity Grade	: A
Power Factor [$\cos\phi$]	: 0.87	Method of Cooling	: IC411 (TEFC)
Locked Rotor Current [I_a/I_n]	: 8.9	Direction of Rotation	: Bidirectional
Locked Rotor Torque [M_a/M_n]	: 3.3	Balance	: Half Key
Breakdown Torque [M_k/M_n]	: 4.4	Motor Thermal Protection	: --
Motor Color	: RAL 7031	Altitude Above Sea Level	: 1000m
Ambient Temperature	: -15°C / +40°C	Sound Pressure Level [dBA]	: 69

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	9.00	2940	16.3	90.6	90.9	90.1	0.87	IE3
Y	690	50	9.00	2940	9.53	90.6	90.9	90.1	0.87	IE3

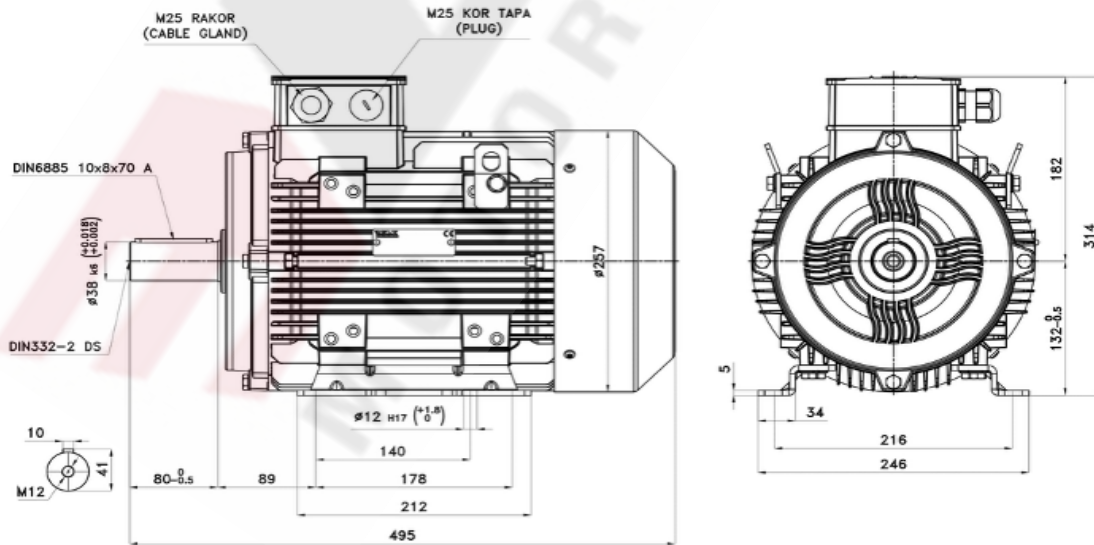
MECHANICAL DATA

Moment of Inertia [kgm ²]	: 0.02104
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

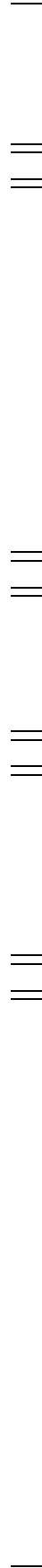


Manufactured and tested in accordance with IEC 60034

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.





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

Type : 3EC132M2C-PD-B0-000

Date : 04/11/2025

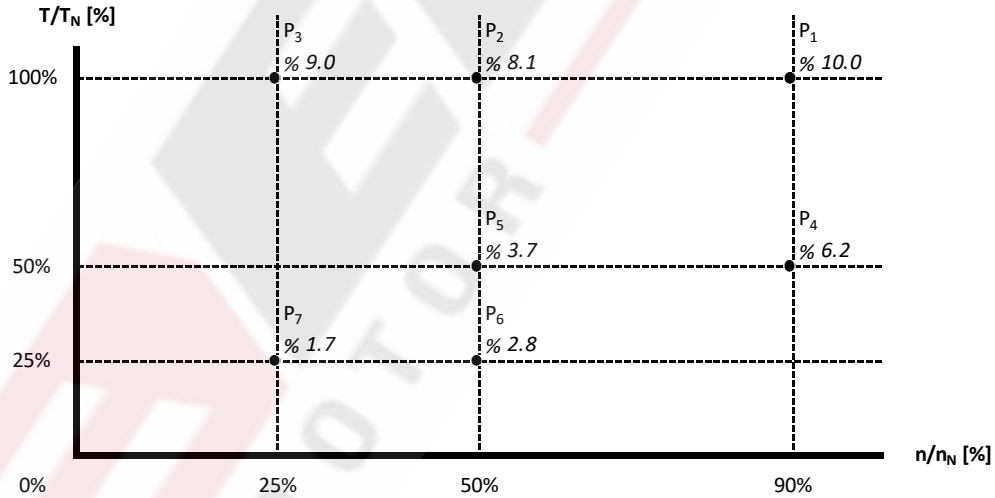
NAMEPLATE DATA

Power [kW]	: 9.00	Nominal Speed [rpm]	: 2940
Nominal Voltage [V]	: 400	Nominal Current [A]	: 16.3
Connection Type [Δ / Y]	: Δ	Nominal Moment [Nm]	: 29.2
Nominal Frequency [Hz]	: 50	Nominal Efficiency [η %]	: 90.6

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	10.0	90.0
P ₂	50	100	8.1	86.1
P ₃	25	100	9.0	73.6
P ₄	90	50	6.2	87.8
P ₅	50	50	3.7	87.1
P ₆	50	25	2.8	81.9
P ₇	25	25	1.7	78.6

MAP OF RELATIVE POWER LOSSES P_L/P_N [%]



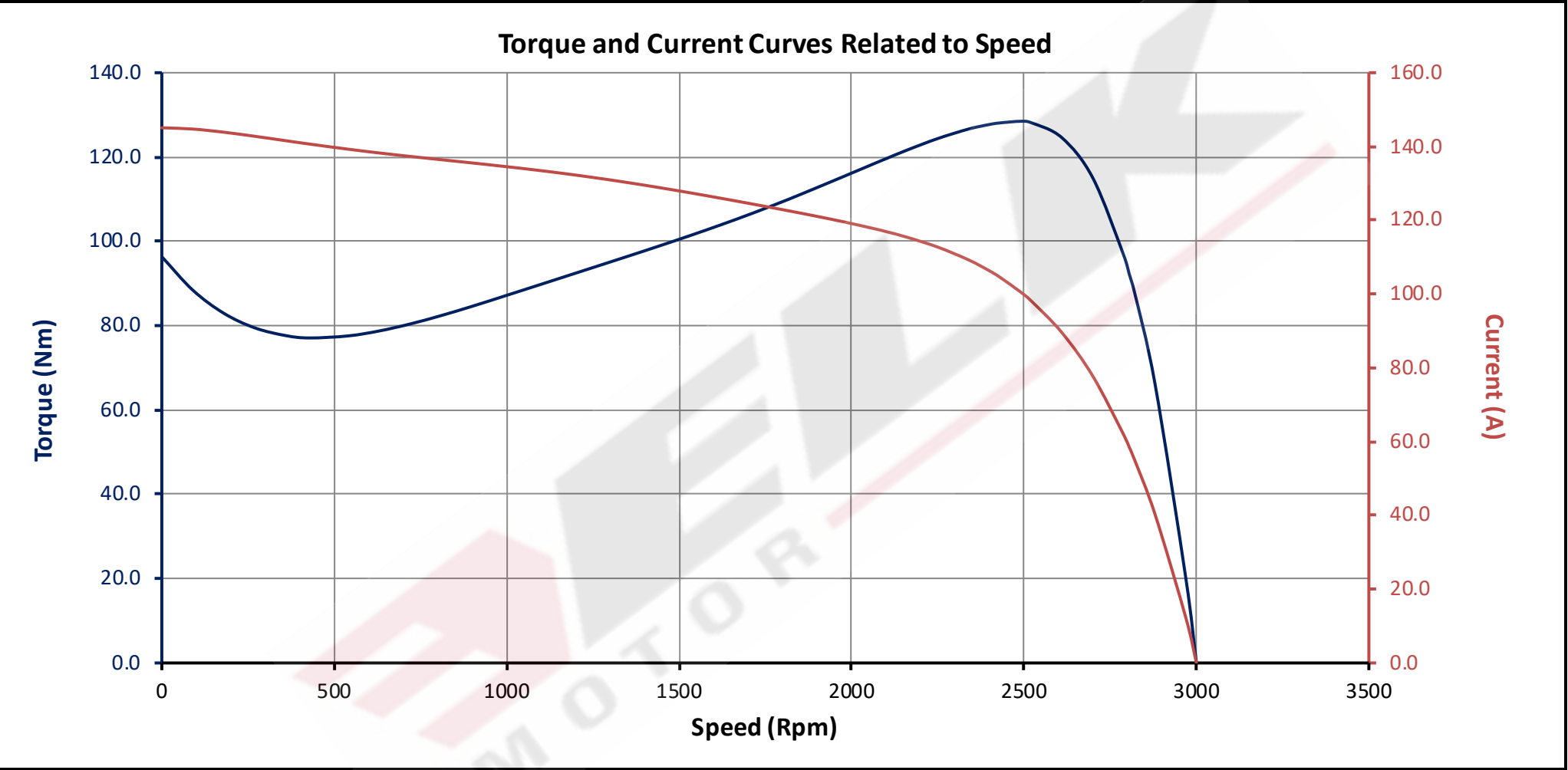
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Performance Curves Related to Rated Output

