

Type : 3EL071M6C-PD-A0-000**Date** : 09/02/2026

Power [kW] : 0.18
Input Voltage [V] : 400
Connection Type [Δ / Y] : Y
Frequency [Hz] : 50
Pole Number : 6
Nominal Speed [rpm] : 930
Nominal Current [A] : 0.55
Nominal Moment [Nm] : 1.84
Nominal Efficiency [η] : 68.0
Power Factor [cos ϕ] : 0.69
Locked Rotor Current [I_a/I_n] : 3.6
Locked Rotor Torque [Ma/Mn] : 2.0
Breakdown Torque [Mk/Mn] : 2.4
Motor Color : RAL 7031
Ambient Temperature : -15°C / +40°C

Efficiency Class : IE3
Duty Cycle : S1
Service Factor : 1.20
Frame Size : 071M
Weight [kg] : 6.70
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] : 41

ELECTRICAL DATA

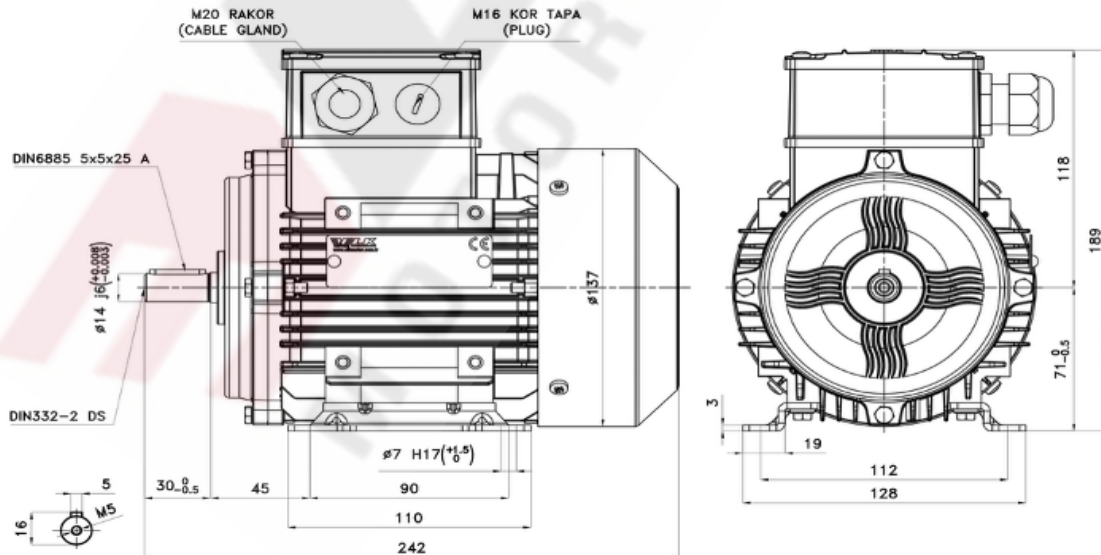
Δ / Y	U [V]	f [Hz]	P [kW]	n [rpm]	I [A]	η [%100]	η [%75]	η [%50]	Cos ϕ	Cl
Δ	230	50	0.18	930	0.95	68.0	67.4	62.6	0.69	IE3
Y	400	50	0.18	930	0.55	68.0	67.4	62.6	0.69	IE3
Y	460	60	0.18	1140	0.51	70.0	68.2	63.9	0.63	IE3
Y	460	60	0.21	1130	0.55	70.1	69.1	64.9	0.68	IE3

MECHANICAL DATA

Moment of Inertia [kgm²] : 0.00096
Bearing [DS / NS] : 6202ZZ C3 / 6202ZZ 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 : M20x1.5
Terminal Box Blind Cap : M16x1.5
Contact Screw Thread : M4

MECHANICAL DIMENSIONS

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

Type : 3EL071M6C-PD-A0-000

Date : 09/02/2026

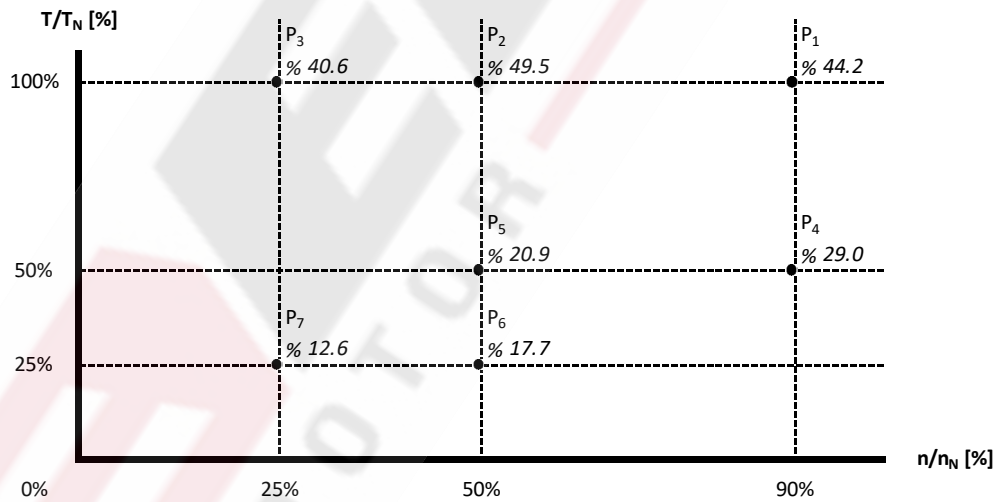
NAMEPLATE DATA

Power [kW]	: 0.18	Nominal Speed [rpm]	: 930
Nominal Voltage [V]	: 400	Nominal Current [A]	: 0.55
Connection Type [Δ / Y]	: Y	Nominal Moment [Nm]	: 1.84
Nominal Frequency [Hz]	: 50	Nominal Efficiency [η %]	: 68.0

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	44.2	67.1
P ₂	50	100	49.5	50.3
P ₃	25	100	40.6	38.1
P ₄	90	50	29.0	60.8
P ₅	50	50	20.9	54.5
P ₆	50	25	17.7	41.9
P ₇	25	25	12.6	32.7

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

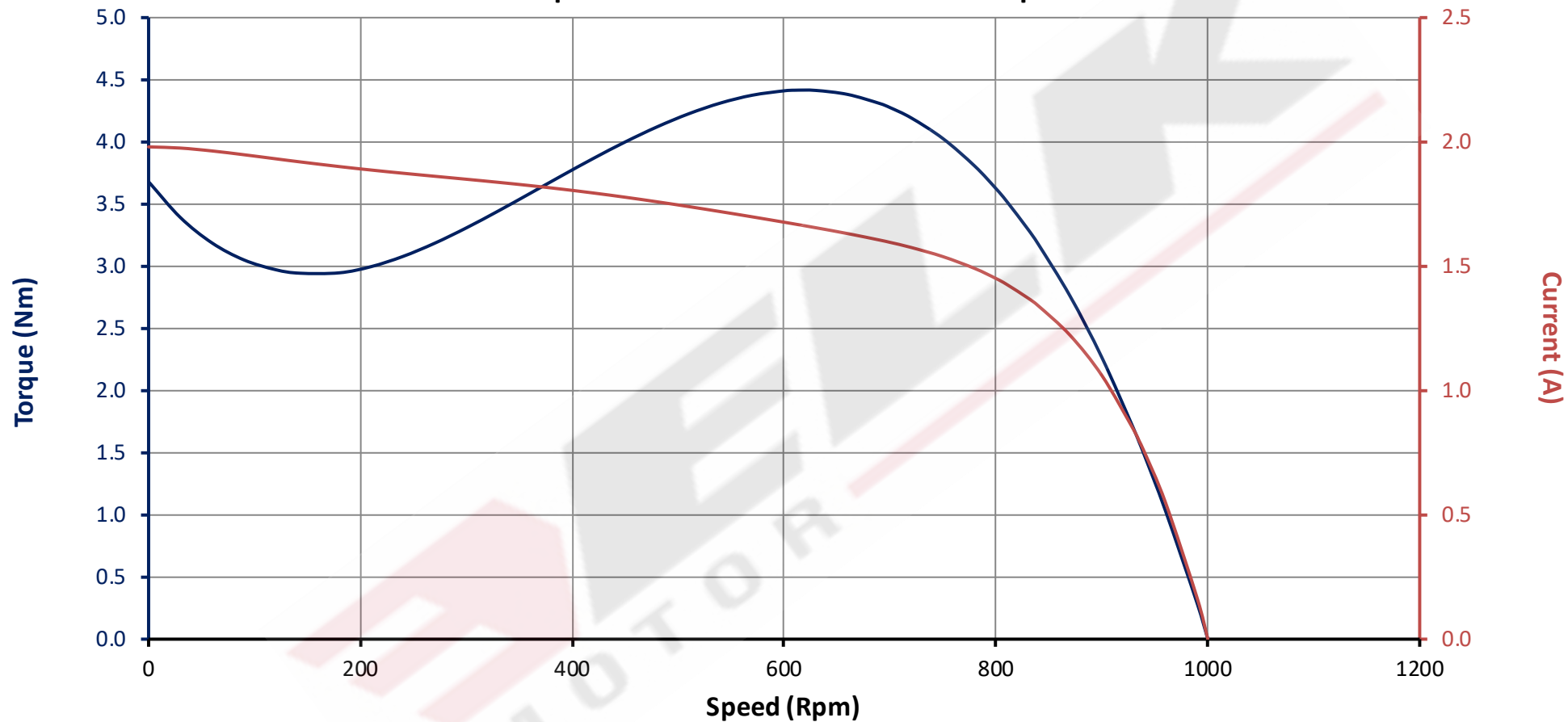
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Motor Code :

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Torque and Current Curves Related to Speed



Motor Code :

3EL071M6C-PD-A0-000

Performance Curves Related to Rated Output

