

Type : 3EL200L6D-PD-BA-000**Date** : 28/10/2025

Power [kW]	: 22.0
Input Voltage [V]	: 400
Connection Type [Δ / Y]	: Δ
Frequency [Hz]	: 50
Pole Number	: 6
Nominal Speed [rpm]	: 978
Nominal Current [A]	: 42.5
Nominal Moment [Nm]	: 215
Nominal Efficiency [η]	: 92.2
Power Factor [$\cos\phi$]	: 0.81
Locked Rotor Current [I_a/I_n]	: 6.2
Locked Rotor Torque [M_a/M_n]	: 2.6
Breakdown Torque [M_k/M_n]	: 2.6
Motor Color	: RAL 7031
Ambient Temperature	: -15°C / +40°C

Efficiency Class	: IE3
Duty Cycle	: S1
Service Factor	: 1.20
Frame Size	: 200L
Weight [kg]	: 178
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	: PTC
Altitude Above Sea Level	: 1000m
Sound Pressure Level [dBA]	: 64

ELECTRICAL DATA

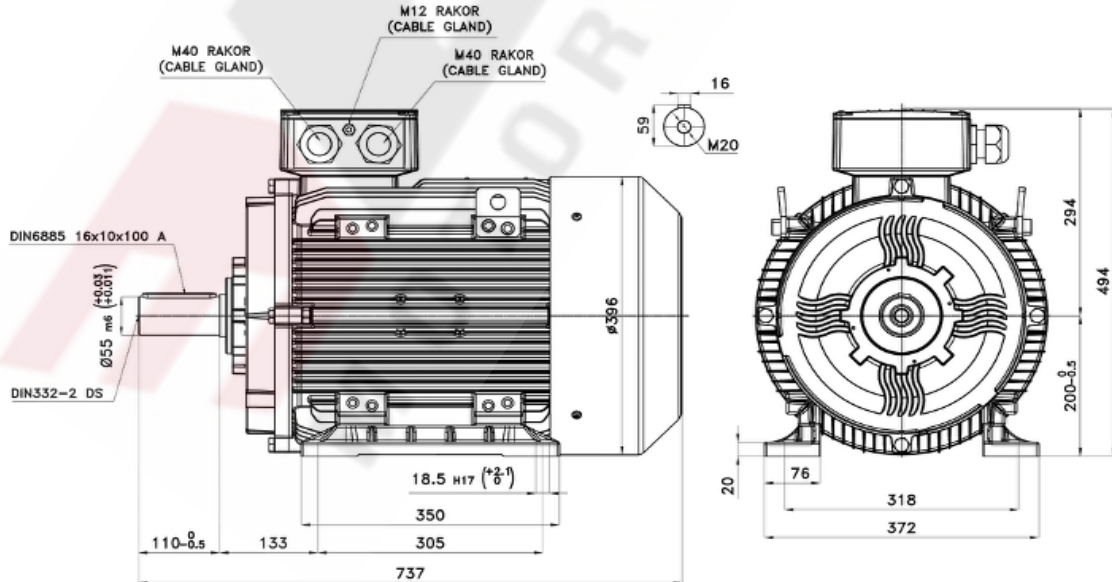
Δ / Y	U [V]	f [Hz]	P [kW]	n [rpm]	I [A]	η [%100]	η [%75]	η [%50]	$\cos\phi$	Cl
Δ	400	50	22.0	978	42.5	92.2	92.9	93.0	0.81	IE3
Y	690	50	22.0	978	24.5	92.2	92.9	93.0	0.81	IE3

MECHANICAL DATA

Moment of Inertia [kgm^2]	: 0.39355
Bearing [DS / NS]	: 6312ZZ C3 / 6212ZZ 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	: M12x1.5+2xM40x1.5
Terminal Box Blind Cap	: --
Contact Screw Thread	: M6

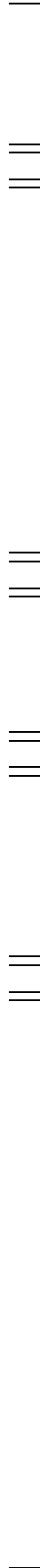
MECHANICAL DIMENSIONS

Manufactured and tested in accordance with IEC 60034

*Technical data are subject to change! There may be discrepancies between calculated and rating plate values.

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





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

Type : 3EL200L6D-PD-BA-000

Date : 28/10/2025

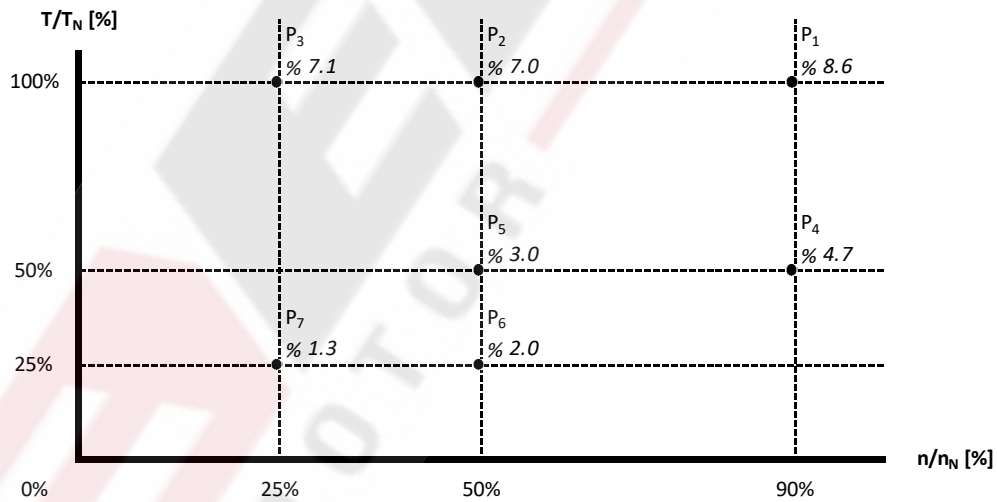
NAMEPLATE DATA

Power [kW]	: 22.0	Nominal Speed [rpm]	: 978
Nominal Voltage [V]	: 400	Nominal Current [A]	: 42.5
Connection Type [Δ / Y]	: Δ	Nominal Moment [Nm]	: 215
Nominal Frequency [Hz]	: 50	Nominal Efficiency [η %]	: 92.2

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	8.6	91.3
P ₂	50	100	7.0	87.7
P ₃	25	100	7.1	77.8
P ₄	90	50	4.7	90.5
P ₅	50	50	3.0	89.2
P ₆	50	25	2.0	86.0
P ₇	25	25	1.3	82.9

MAP OF RELATIVE POWER LOSSES P_L/P_N [%]



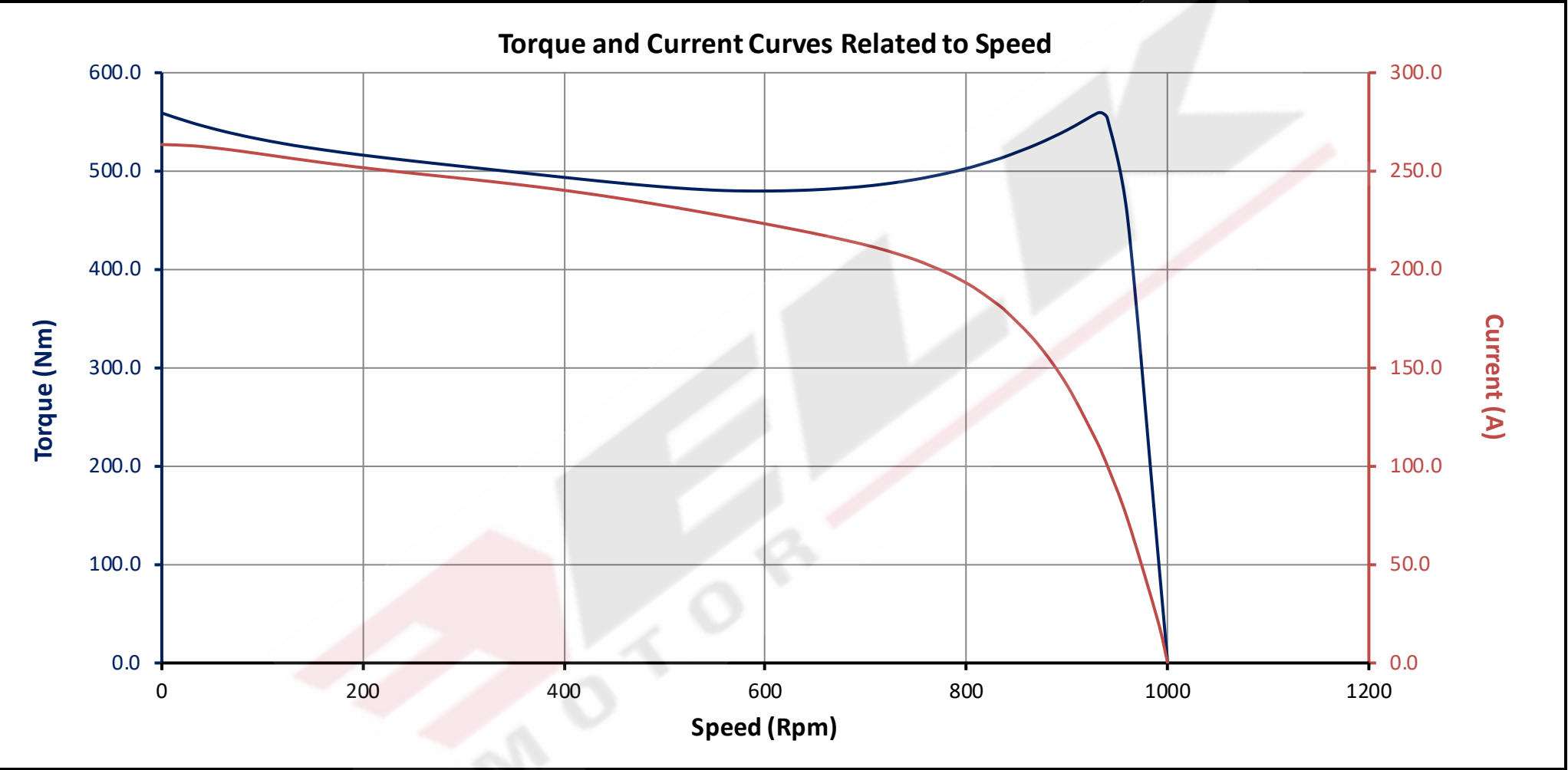
Manufactured and tested in accordance with IEC 60034

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

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Performance Curves Related to Rated Output

