

Type : 3TG160M4C-PD-BA-162**Date** : 12/08/2025

Power [kW]	: 11.0	Efficiency Class	: IE3
Input Voltage [V]	: 400	Duty Cycle	: S1
Connection Type [Δ / Y]	: Δ	Service Factor	: 1.00
Frequency [Hz]	: 50	Frame Size	: 160M
Pole Number	: 4	Weight [kg]	: 166
Nominal Speed [rpm]	: 1465	Insulation Class	: F [155°C]
Nominal Current [A]	: 21.0	Temperature Rise	: B [80°K]
Nominal Moment [Nm]	: 71.7	Protection Class	: IP66
Nominal Efficiency [η]	: 91.5	Vibration Severity Grade	: A
Power Factor [cosφ]	: 0.83	Method of Cooling	: IC411 (TEFC)
Locked Rotor Current [Ia/In]	: 7.6	Direction of Rotation	: Bidirectional
Locked Rotor Torque [Ma/Mn]	: 2.8	Balance	: Half Key
Breakdown Torque [Mk/Mn]	: 3.3	Motor Thermal Protection	: PTC (120°C)
Motor Color	: RAL 7031	ATEX Certification Number	: IEP 25 ATEX 1641X
Ambient Temperature	: -20°C / +50°C	ATEX Classification (Gas)	: II 2G Ex db IIC T4 Gb
Altitude Above Sea Level	: 1000m	ATEX Classification (Dust)	: II 2D Ex tb IIIC T120°C Db
Sound Pressure Level [dBA]	: 63	ATEX Zone Categories (Gas/Dust)	: Zone 1/21

ELECTRICAL DATA

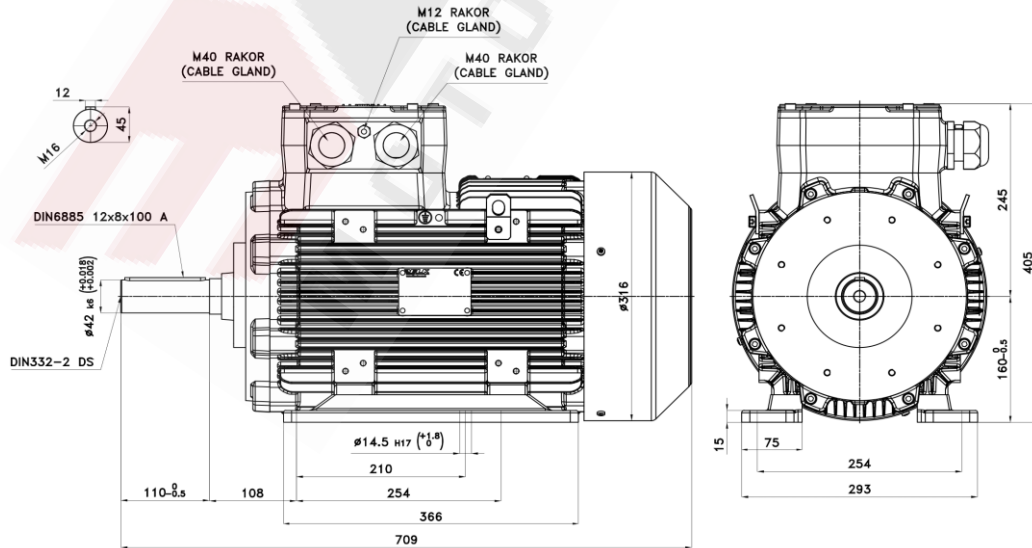
Δ / Y	U [V]	f [Hz]	P [kW]	n [rpm]	I [A]	η [%100]	η [%75]	η [%50]	Cosφ	CI
Δ	400	50	11.0	1465	21.0	91.5	92.1	91.7	0.83	IE3
Y	690	50	11.0	1465	12.1	91.5	92.1	91.7	0.83	IE3
Δ	460	60	11.0	1770	18.2	92.4	92.8	92.1	0.82	IE3
Δ	460	60	12.8	1760	20.6	92.4	92.6	91.2	0.84	IE3

MECHANICAL DATA

Moment of Inertia [kgm ²]	: 0.07011
Bearing [DS / NS]	: 6309ZZ C3 / 6309ZZ C3
Frame Material	: Cast Iron
Flange Type / Material	: B3 / Cast Iron
Cooling Fan Material	: Aluminum
End Shield Material	: Cast Iron

TERMINAL BOX

Terminal Box Material	: Cast Iron
Terminal Box Position	: Top
Terminal Box Cable Entry	: M12x1.5+2xM40x1.5
Terminal Box Gland Material	: Metal
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.

*ELK Motor has right to change all the data without prior notice.

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