

Type : 3ZL063M4B-PD-AA-162

Date : 05/12/2024

Power [kW]	: 0.12	Efficiency Class	: IE3
Input Voltage [V]	: 400	Duty Cycle	: S1
Connection Type [Δ / Y]	: Y	Service Factor	: 1.00
Frequency [Hz]	: 50	Frame Size	: 063M
Pole Number	: 4	Weight [kg]	: 3.60
Nominal Speed [rpm]	: 1405	Insulation Class	: F [155°C]
Nominal Current [A]	: 0.37	Temperature Rise	: B [80°K]
Nominal Moment [Nm]	: 0.81	Protection Class	: IP66
Nominal Efficiency [η]	: 66.0	Vibration Severity Grade	: A
Power Factor [cosφ]	: 0.70	Method of Cooling	: IC411 (TEFC)
Locked Rotor Current [Ia/In]	: 3.7	Direction of Rotation	: Bidirectional
Locked Rotor Torque [Ma/Mn]	: 2.3	Balance	: Half Key
Breakdown Torque [Mk/Mn]	: 2.7	Motor Thermal Protection	: PTC (140°C)
Motor Color	: RAL 7031	ATEX Certification Number	: IEP 23 ATEX 1306X
Ambient Temperature	: -20°C / +40°C	ATEX Classification (Gas)	: II 3G Ex ec IIC T4 Gc
Altitude Above Sea Level	: 1000m	ATEX Classification (Dust)	: II 3D Ex tc IIIC T140°C Dc
Sound Pressure Level [dBA]	: 42	ATEX Zone Categories (Gas/Dust)	: Zone 2/22

ELECTRICAL DATA

Δ / Y	U [V]	f [Hz]	P [kW]	n [rpm]	I [A]	η [%100]	η [%75]	η [%50]	cosφ	CI
Δ	230	50	0.12	1405	0.65	66.0	64.9	58.2	0.70	IE3
Y	400	50	0.12	1405	0.37	66.0	64.9	58.2	0.70	IE3
Y	460	60	0.12	1715	0.34	68.0	65.5	59.0	0.65	IE3
Y	460	60	0.14	1705	0.36	69.0	66.5	60.0	0.70	IE3

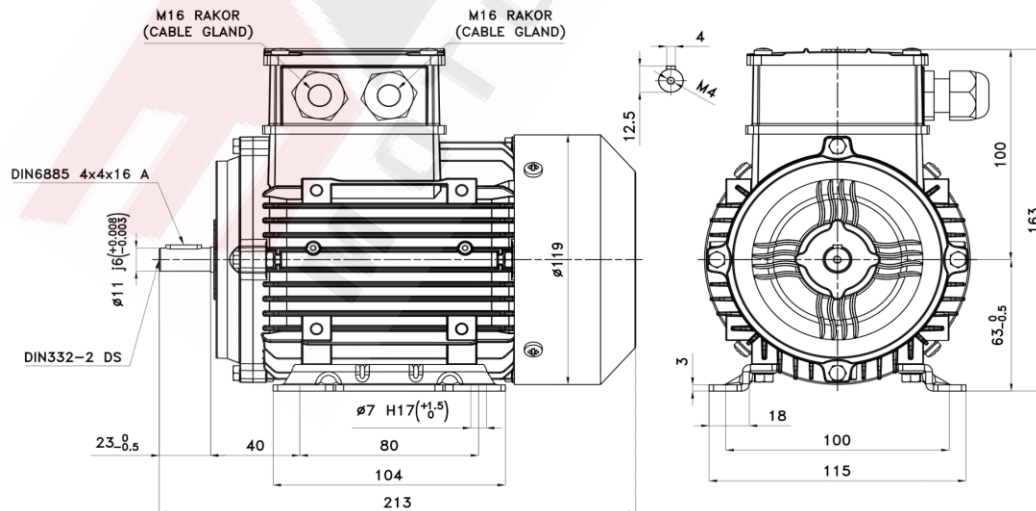
MECHANICAL DATA

Moment of Inertia [kgm ²]	: 0.00018
Bearing [DS / NS]	: 6201ZZ C3 / 6201ZZ 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	: 2xM16x1.5
Terminal Box Gland Material	: Metal
Contact Screw Thread	: M4

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