

MKS - Low voltage asynchronous motor Reliable and dynamic plant operation

ELIN Motoren's MKS is a worldwide proven low voltage asynchronous motor used in various industrial applications like plastic processing, tunnelling, and mining. The MKS operates with a voltage of up to 690 V, making them ideal for mediumsized applications. The MKS convinces with high energy efficiency for a reliable and dynamic plant operation, with a water jacket cooling system + additional internal cooling circuit, and high torque.

High dynamics and high torque

The MKS electric motor, featuring an advanced water-cooling system and an additional internal cooling circuit (radial fan NDE- side mechanically connected with the rotor), ensures optimal temperature control during operation, enhancing efficiency and extending the motor's lifespan. Its high-performance capabilities make it ideal for a diverse range of industrial applications, providing reliable and consistent power

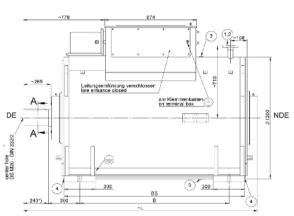
output under varying load conditions. The motor features a rugged design capable of withstanding harsh operating environments.

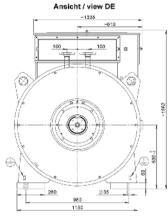
Double rated power

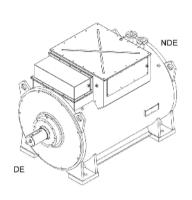
The robust construction ensures longevity and reduces the need for frequent maintenance. The MKS motor offers seamless integration into various applications, providing flexibility and adaptability to meet specific operational requirements. Undergoing meticulous manufacturing processes and employing precision engineering techniques, each MKS motor ensures consistent quality and performance, meeting the highest industry standards. Moreover, the MKS motor complies with industry regulations, ensuring reliability and safety in all operational environments. This unwavering commitment to compliance reflects ELIN Motoren's dedication to delivering products of the highest quality.

MKS motor types with frame size 630

Motor type	Frame size	Max. Torque [Nm]	Rated Speed [1/min]	Max. Speed in field weakening	Mass Moment of Interia [kgm²]	Weight [kg]	L [mm]	B [mm]	BB [mm]
MKS863A06	630	16568	800 to 2000	2200	~185	8500	2023	1210	1510
MKS863K06	630	18683	800 to 1750	2000	~204	9400	2133	1310	1620
MKS863C06	630	21079	800 to 1500	1800	~225	10000	2233	1420	1720
MKS863D06	630	23953	800 to 1200	1500	~250	10600	2353	1540	1840







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Key Features

Power range up to 3.000 kW

Speed range up to 2.000 rpm

Execution standards IEC, CSA, UL 1004, NEMA, MG

Voltage up to 690 V

IEC frame size 630

ELIN Motoren's MKS ranges in various frame lenghts, performance classes and number of poles. The table above provides an overview of the most common power and speed ranges. When choosing the right motor type of the MKS, it is important to consider factors such as the motor's speed, torque, and power rating as well as its size and mounting requirements.

At ELIN Motoren, we have decades of expertise in electric motor development. Our technical experts provide dedicated support tailored to meet your specific requirements.

Key Benefits

- + Protection type up to IP65 for high robustness
- + 20% less weight compared to a MKH motor
- + Reliable due to insulation class/temperature rise H/H
- + Highest efficiency class according to international standards
- + Separate terminal box of motor and customer connection
- + Energy efficient and economical due to water-cooling

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