

HKH - High voltage asynchronous motor

Compact and efficient powerhouse

ELIN Motoren's HKH series stands for globally recognized high voltage asynchronous motor technology, mainly deployed in plastics and industrial applications. Engineered to function within a voltage range from 3,300 to 10,000 V, the HKH ensures steadfast and dynamic plant operations. Renowned for its exceptional energy efficiency, this motor is equipped with a water-jacket cooled system, allowing the motor to be used efficiently across the entire speed range.

Unrivaled performance

The HKH electric motor 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.

Small and versatile

The robust construction ensures longevity and mitigates the need for frequent maintenance interventions. The HKH 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 HKH motor ensures consistent quality and performance.

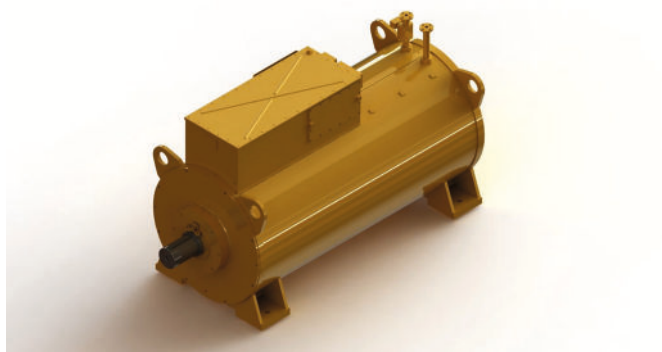
Compliance and safety

Committed to adherence to industry regulations, the HKH motor ensures reliability and safety across all operational settings. ELIN Motoren's unwavering dedication to delivering products of the highest quality is reflected in the HKH series, offering peace of mind and assurance in the most demanding environments.

HKH motor types

Motor type	Frame size	Number of poles	Voltage [kV]	Max. Torque [Nm]	Rated Speed [1/min]	Max. Speed in field weakening [1/min]
HKH145	450	4	6,6	5412	1200 to 1800	2000 - 2100
HKH145	450	4	10	6239	1200 to 1800	2000 - 2100
HKH145	450	6	6,6	7258	1200 to 1800	1500 - 1600
HKH145	450	6	10	9550	1200 to 1800	1500 - 1600
HKH156	560	4	6,6	8500 - 19400	1200 to 1800	2000 - 2100
HKH156	560	4	10	6000 - 16200	1200 to 1800	2000 - 2100
HKH156	560	6	6,6	12400 - 25300	900 to 1200	1500 - 1600
HKH156	560	6	10	9500 - 21000	900 to 1200	1500 - 1600
HKH163	630	4	6,6	19134 - 26147	1200 to 1800	2000 - 2100
HKH163	630	4	10	14350 - 22850	1200 to 1800	2000 - 2100
HKH163	630	6	6,6	22328 - 35006	800 to 1200	1600
HKH163	630	6	10	19138 - 29503	800 to 1200	1600

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ELIN Motoren's HKH ranges in various frame lengths, performance classes and number of poles. Frame sizes 450, 560, and 630 are available. The table above provides an overview of the most common power and speed ranges. When choosing the right motor type of the HKH, 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 Features

Power range	up to 4,000 kW
Speed range	up to 2,000 rpm
Execution standards	IEC, CSA, UL, NEMA
Voltage	up to 10,000 V
IEC frame size	450-630

Key Benefits

- + Protection type up to IP65 for high robustness
- + High dynamics and torque
- + Reliable due to insulation class/temperature rise H/H
- + Most compact motor size in the market
- + Separate terminal box of motor and customer connection
- + Energy efficient and economical due to water-cooling

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