

CONTACT

The reliable Schorch quality in a compact design - the new H-Optim range of high-voltage TEFC motors

H-Optim

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SCHORCH

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H-Optim - The natural evolution of Schorch reliability, quality and performance.

- ▶ Schorch as a member of the Wolong group has a reputation for highly reliable drive solution around the world. We strive to continuously improve our product range in order to increase our customers' benefits. We have used 130 years of motor manufacturing to take motor design to the next level.
- ▶ The innovative rib-cooled TEFC motor H-Optim is created in the long tradition of the KA series, yet it takes performance to next level.
- ▶ Reduced motor weights, lower noise and higher efficiencies are helping to reduce environment impact related effects.
- ▶ The thermal performance was achieved through extensive research of internal and external airflow making use of computational simulation and then backed up by prototype testing.

- ▶ The enhanced cooling rib-design not only improves the heat dissipation but also allows a flexible arrangement of the main terminal box.
- ▶ Improved bearing design allows class leading bearing lifetimes and extended lubrication intervals. The robust frame design provides for a minimum vibration levels meeting the onerous demands of the process industry.
- ▶ The wide range of accessories includes an advanced condition monitoring system, sophisticated vibration and speed monitoring.
- ▶ The H-Optim series is suitable for non-hazardous areas and Zone 2/22 applications per IEC and Class I, Division 2 per NEC.

The Wolong Group is a leader in drive technology that helps industry, utility, and mobility and home appliance customers to increase their performance while lowering environmental impact. The Wolong Group has 61 subsidiaries around the world and employs 18.000 people.

▶ Technical Specification

National standards	IEC, NEMA
Power range	180 kW – 2250 kW
Frame size	315 – 560
Voltage	2,3 – 11kV
No. of poles	2 – 12
Fixed speed range	500 - 3600 rpm
Type of construction	B3, B35, V1
Cooling type	IC411, IC416, IC410
Stator winding	Thermal class
Insulation	F (155°C), B (130°C) temp. rise
Rotor material	Copper or Aluminium
Degree of protection	Up to IP55, terminal box IP65
Housing material	Cast iron
Type of bearing	Rolling element and sleeve bearings
Hazardous areas	Safe area, Zone 2/22 (IEC), CL. I Div.2 (NEC)

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