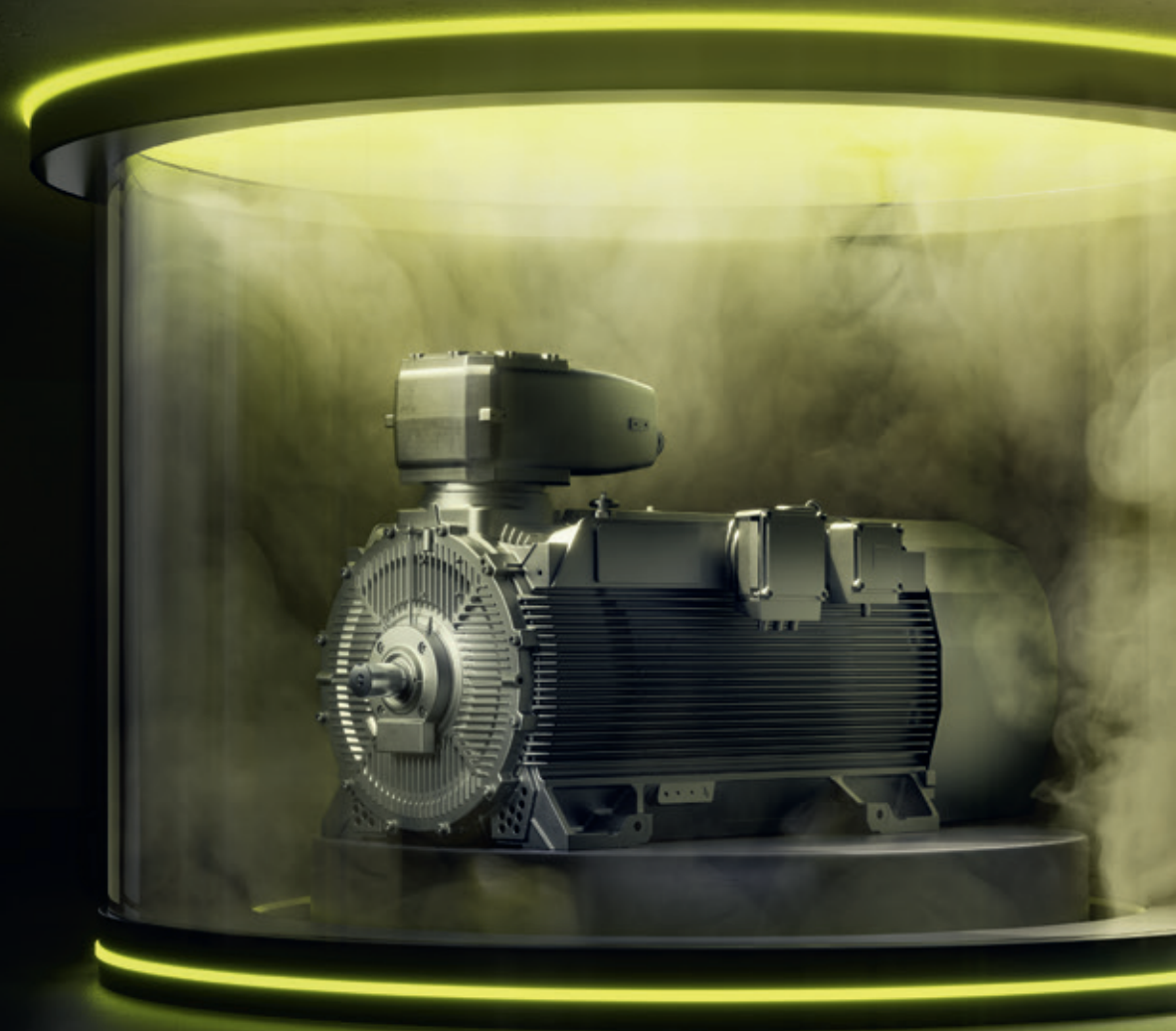


INNOMOTICS

High Voltage Compact Motors.

Robust, reliable design
and innovative cooling.



True performers.

Innomotics High Voltage Compact Motors.



Choosing Innomotics isn't just opting for motors – at Innomotics, we redefine the meaning of “performance”.

Our High Voltage Compact Motors bring your operations the robust, reliable power they need, with an efficiency that's second to none.

With innovative cooling solutions and a focus on reliable design, highest power density, and low maintenance, these motors are built for a brilliant future.

Benefits.

Harness the power of Innomotics High Voltage Compact Motors to transform efficiency and reliability. With innovative rib, tube or water-jacket cooling, our motors deliver the same power with a smaller footprint, boosting energy efficiency. This leads to lower costs and reduced CO₂ emissions, supporting your sustainability goals. Spanning 150 kW to 7.5 MW, they excel in the most demanding applications and ensure top performance and extreme protection up to IP66.

Trust in our engineering legacy for unmatched reliability, low maintenance, and high availability to enhance your operations and reduce energy costs.

Innovation.

Maximize the potential of our compact, air-cooled motors for ultimate cost efficiency. Their uniform platform design, with or without explosion protection, reduces costs from planning and procurement through to service and spare parts management.

Advanced cooling with ribs, tubes, and fans boosts power density and reliability, allowing up to 20% higher performance. Motors from our modular system seamlessly adapt to your specific applications, fitting into even the most space-constrained environments. Further reduce operational costs and support sustainability by enhancing operations with the Inspire IQ platform using IIoT for predictive maintenance.

Plant and system availability.

Experience the organizational ease and operational reliability of the modular Innomotics High Voltage Compact Motors. Their design means fewer spare parts and simplified training, thus reducing operational and maintenance complexity and potential errors. Your logistics become streamlined, with less capital tied up in spare parts and improved inventory management.

Select Innomotics to ensure that your plant operates smoothly with minimized downtimes and reliable long-term availability of spares.

Innomotics HV C air-cooled.

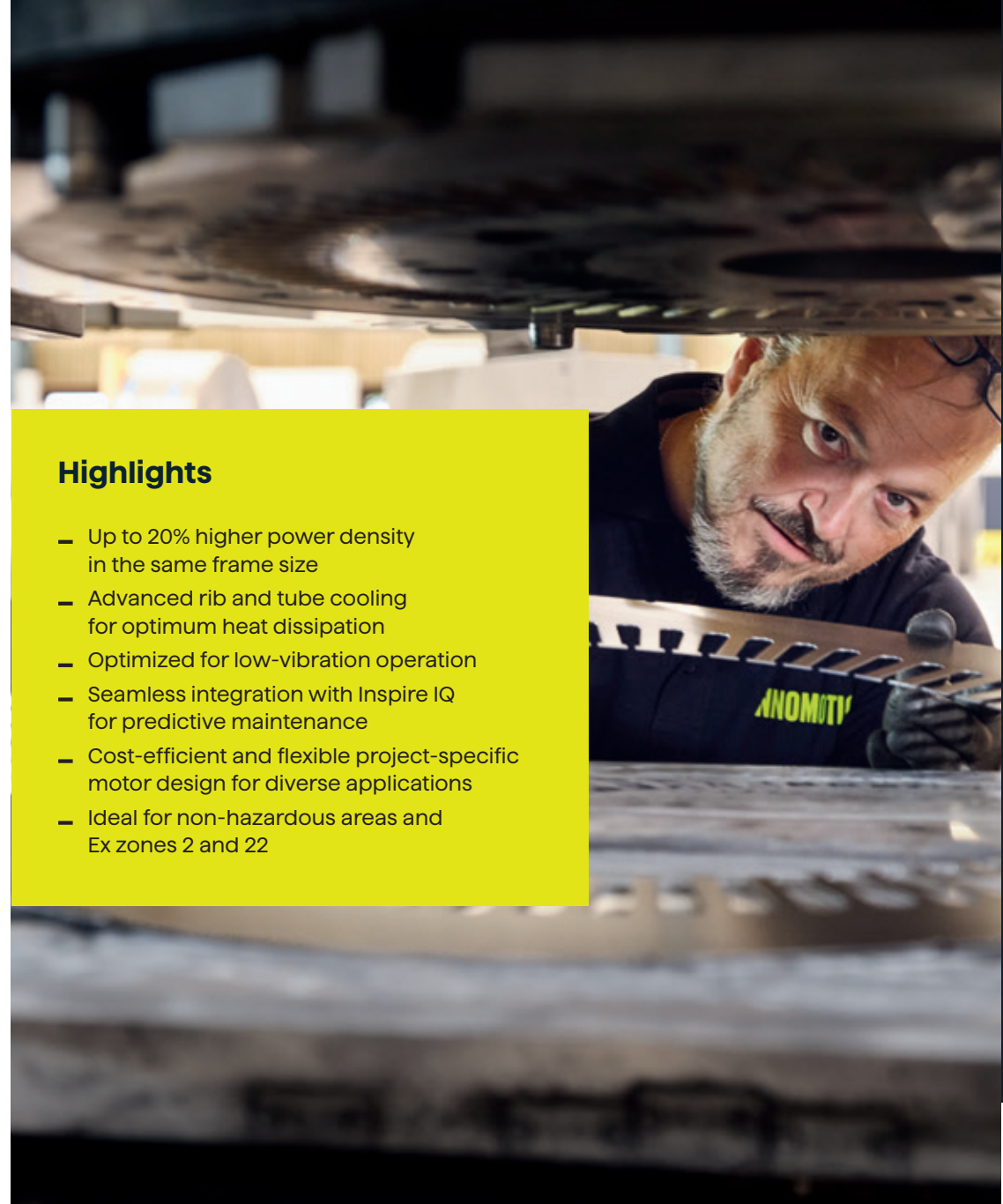
**Extremely reliable and flexible,
with low vibration levels.**

Tailored to your industrial needs, Innomotics HV C air-cooled Motors deliver exceptional performance and reliability. The innovative high-efficiency rib and tube cooling ensures higher power density and longer component lifetimes without increasing overall size. These motors are designed for easy integration and reduced maintenance complexity, with advanced connectivity to Inspire IQ for predictive maintenance.

Benefit from reduced operational costs, improved system transparency, and flexible project-specific adaptations that make these motors ideal for both standard and demanding applications.

Highlights

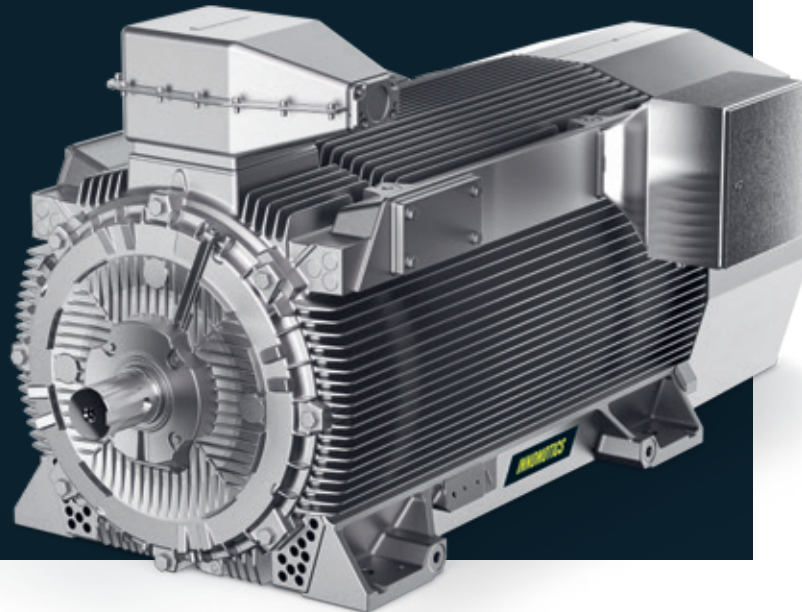
- Up to 20% higher power density in the same frame size
- Advanced rib and tube cooling for optimum heat dissipation
- Optimized for low-vibration operation
- Seamless integration with Inspire IQ for predictive maintenance
- Cost-efficient and flexible project-specific motor design for diverse applications
- Ideal for non-hazardous areas and Ex zones 2 and 22



Technical data

Type of motor	Induction
Power range	Up to 2.5 MW
Shaft heights	315 – 560 mm
Number of poles	2 – 8
Rated voltage	2 – 11 kV*
Degree of protection	IP55 – IP66
Cooling method	IC411, IC416
Operating mode	VSD/DOL
Explosion protection	Safe Area, Ex ec, Ex tb

*Also available as low voltage version



Typical applications

- Pumps
- Fans
- Compressors
- Conveyors
- Mills

Typical industries

- Oil and gas
- Chemical
- Water/wastewater
- Fibers
- Marine
- Power utilities
- Cement

Innomotics HV C water-jacket- cooled.

Innovative water-cooling system for improved heat dissipation.

Optimize your operations with Innomotics HV C water-jacket-cooled Motors. Engineered for tight spaces – they keep harmful air out and capture dissipated heat to boost overall system efficiency. Their compact, lightweight design reduces noise and vibration levels, leading to smoother operation and lower maintenance.

Expect longer service life, enhanced productivity, and lower operational costs with advanced digital connectivity that improves system transparency and productivity. These motors ensure disturbance-free operation and efficient performance.



Highlights

- Extremely compact motor design thanks to an outstanding power density:
 - Very high efficiency, fast ROI through energy cost savings
 - Ideal where space is restricted
 - Lightweight, low noise design
- Extended service life
- Completely insensitive to dirt, chemicals and salt spray
- Advanced digital integration for system transparency

Technical data

Type of motor	Induction
Power range	Up to 3.2 MW
Shaft heights	315 – 560 mm
Number of poles	2 – 8
Rated voltage	2 – 11 kV*
Degree of protection	IP55 – IP66
Cooling method	IC71 W
Operating mode	VSD/DOL
Explosion protection	Safe Area, Ex ec, Ex tb

*Also available as low voltage version



Typical applications

- Bow thrusters
- Main propulsion
- Mixers
- Compressors
- Steel mills
- Pumps

Typical industries

- Marine
- Metals
- Paper
- Chemical
- Mining

Innomotics HV C flameproof.

**Unbeatably compact –
extremely reliable.**

Designed for utmost safety and efficiency in explosive zones, our HV C flameproof Motors enhance your operations with a compact design that can be simply integrated into any production environment. Their innovative cooling system boosts power density and minimizes thermal aging to extend the service life. Their lightweight but robust design simplifies integration while reducing noise and vibration.

Enjoy safer, more reliable performance in demanding environments and benefit from minimized maintenance and transport costs through advanced digital features for real-time data access and monitoring.

Highlights

- High power density and compact design
- Safe and reliable in explosive environments, onshore and offshore
- IP protection up to IP66
- Advanced cooling system for extended motor life
- Low noise, optimized vibration behavior
- Low weight for easier handling
- Enhanced digital integration for system transparency



Technical data

Type of motor	Induction
Power range	Up to 7.5 MW
Shaft heights	355 – 900 mm
Number of poles	2 – 8
Rated voltage	2 – 11 kV*
Degree of protection	IP55 – IP66
Cooling method	IC411, IC416, IC511, IC516
Operating mode	VSD/DOL
Explosion protection	Ex db, Ex db eb

*Also available as low voltage version



Typical applications

- Pumps
- Fans
- Compressors

Typical industries

- Oil and gas
- Chemicals and petrochemicals
- Marine

Your global partner in reliable motion.

Strategically positioned
high voltage manufacturing
and service centers around
the globe.

1 Nuremberg, Germany

2 Drásov, Czech Republic

3 Berlin, Germany

4 Tianjin, China

5 Mumbai (Pawne), India

6 Norwood, USA

■ HV Motors Repair Centers and Partners

At your service – wherever you need us.

Redefining reliable motion around the globe.

At Innomatics, our 15,000-strong team transforms simple on/off functions into intelligent, lifecycle solutions. With strategically placed manufacturing and service facilities and comprehensive online services, we promise unmatched support and swift response times. Our global presence keeps your business in continuous motion. As your trusted partner, we scale industrial electrification, sustainability, and digitalization, delivering innovation and reliable motion worldwide.



**Close to you –
on-site or remote**



**Our first priority:
You!**



**More than
2,000 service experts**

At Innomatics, we boost your asset productivity and reliability with industry-leading support and digital solutions. Maximize efficiency with our proactive, lifecycle-wide approach to your motors and drives. Rely on our extensive services, custom-delivered by experts near you. From tailored maintenance to retrofits and knowledge-building, we enhance your plant's availability, sustainability, and digital transformation, ensuring seamless operations.

Our service portfolio.

- Support and consulting
- Field and maintenance services
- Repair services
- Spare parts
- Training
- Retrofits and upgrades
- Digital services
- Industry specific services
- Service agreements

reliable
motion
for a
better
tomor
row

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