



Hoyer Explosion-proof Motors

# Engineered for demanding marine environments

**Together**  
we outsmart  
the ordinary

**HOYER**

# Ex motors backed by deep marine expertise

All Hoyer explosion-proof motors live up to rigorous certification and performance requirements. What makes them unique is the team that stands behind them.

Our engineering teams have decades of marine experience and can help you understand risk mitigation, IMO regulations, energy efficiency and technical challenges related to explosion-proof project. Our customisation workshops will help tailor your Ex motor to fit your exact needs.

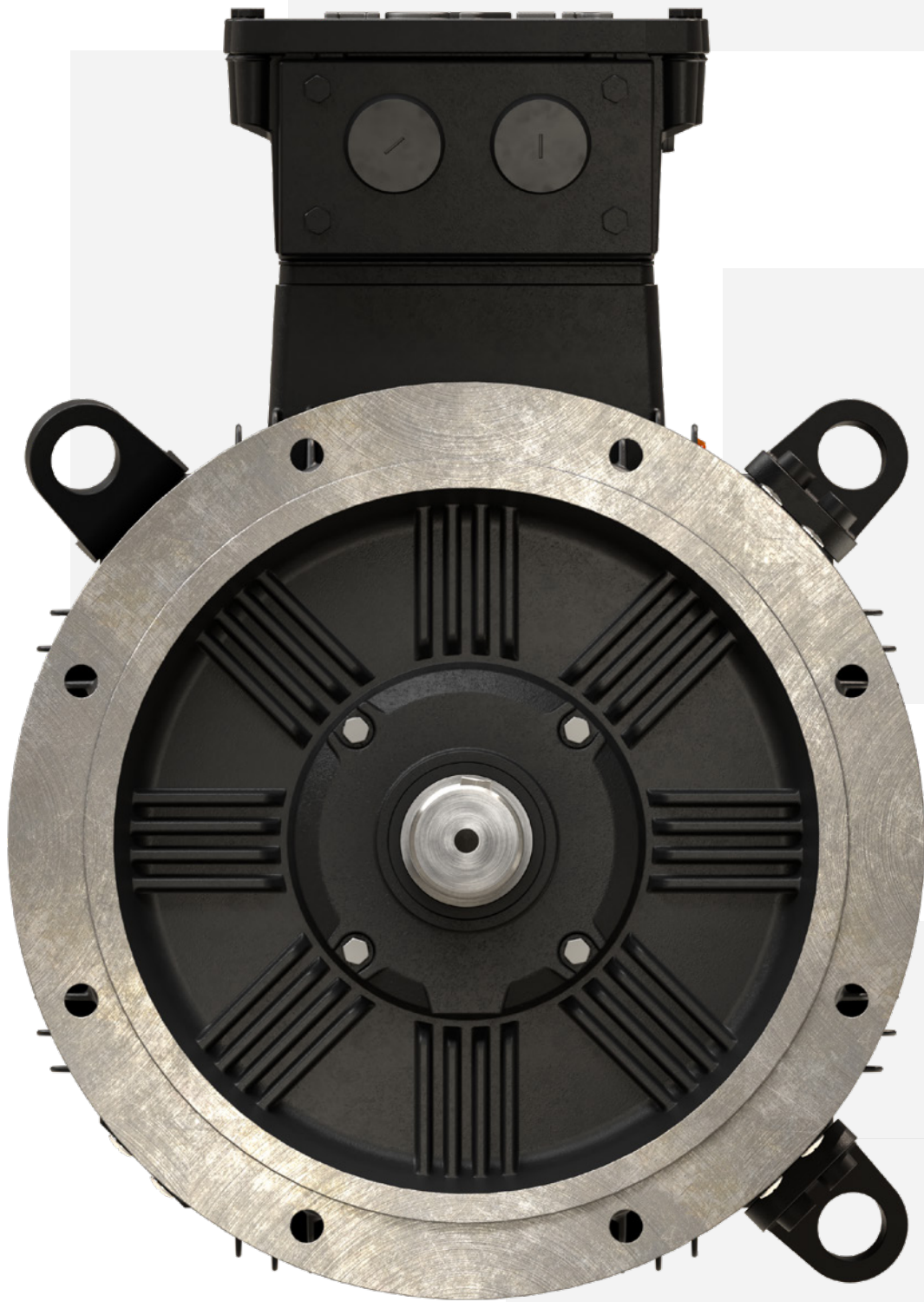


## Hoyer Explosion-Proof Motors

Efficiency	IE2-IE3
Frame size	80-400
Output	0.18-500 kW
Poles	2-10
IP protection	IP55-IP66 (67)
Documentation	ATEX, IECEx

- Fast response times and dedicated point of contact
- Fit-for-purpose customisation and documentation options
- Supported globally by Hoyer service and engineering teams
- Certified for Zone 1 / Zone 2 use
- Up to 400 frame size for compact applications
- Approved by DNV, ABS, BV, LR, CCS, and more





**Standard and customised  
explosion-proof motors for  
marine applications**

- Pumps
- Compressors
- Ventilation
- HVAC
- Hydraulics

# Fit-for-purpose explosion-proof motors

Whether your scope includes engineering, procurement, or commissioning, Hoyer delivers fit-for-purpose Ex motor solutions tailored to project specifications, documentation standards, and FAT protocols—ensuring smooth integration and on-time delivery.

## Open deck cargo pump solution

Combining customer needs with deep marine expertise, we create specially designed solutions, like this open deck cargo pump Ex motor.

### Challenge

Water ingress at cables

### Hoyer solution

Main cables always pointing downwards and T-box in NDE for easy installation

### Challenge

Water ingress between flange and housing can cause coatings to crack over time

### Hoyer solution

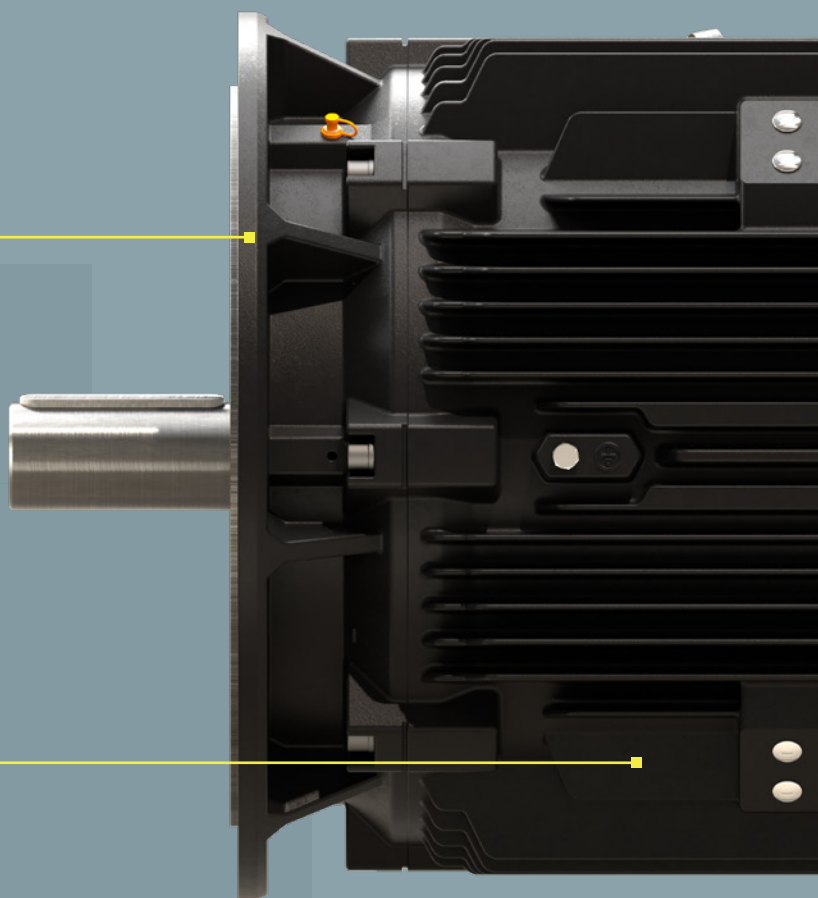
Specifically engineered sealings

### Challenge

Coating durability

### Hoyer solution

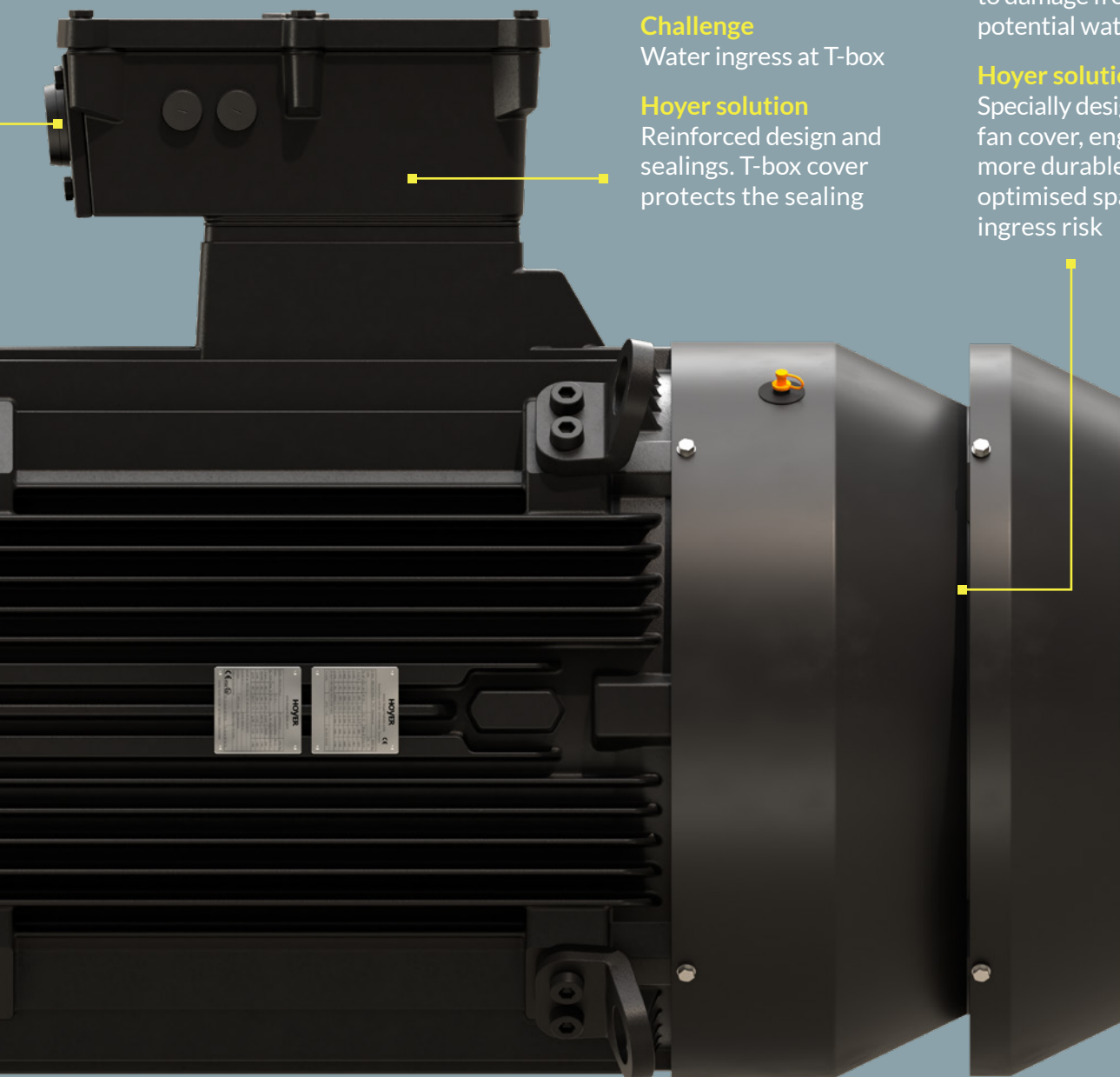
Jotun CX coating system and special sealings



## Dual-Fuel & LNG Ready Vessels

Supporting the future of low-emission shipping from bunkering to propulsion safety.

As the shipping industry adopts cleaner fuels, many vessels are being built or retrofitted for dual-fuel use — including LNG Ready and LNG Prepared configurations. Whether it is for newbuild or retrofit, Hoyer supports the full lifecycle of propulsion upgrades with reliable explosion-proof motors, fast response, and expert advice.



### Challenge

Water ingress at T-box

### Hoyer solution

Reinforced design and sealings. T-box cover protects the sealing

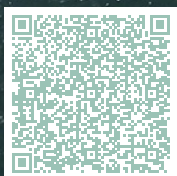
### Challenge

Fan covers are susceptible to damage from waves and potential water ingress

### Hoyer solution

Specially designed open deck fan cover, engineered with more durable materials and optimised spacing reducing ingress risk





Scan to learn  
more about  
the case story

## Case Story

# Safety and Efficiency at the Core

**When a high profile FLNG unit needed robust, marine explosion-proof motors for BOG compressors, lubrication pumps, and onboard fans and blowers, Hoyer delivered.**

Our explosion proof motors ensure long-term reliability where safety is non-negotiable and energy efficiency is in focus. With fast response and delivery times and uncompromising safety, our Ex motors can be customised supports hazardous offshore applications with proven performance. Hoyer helped the global energy company ENI support the Republic of Congo's energy transition by providing explosion-proof motors to its floating platforms.

Hoyer Ex motors are trusted by Shipyards, Shipowners, and EPCs across a wide portfolio of vessels

**Hoyer IE3 explosion-proof motors were used for:**

- Improved efficiency for ventilation
- Topside BOG compressors
- Oil lubrication pumps



## For over 50 years, we have been a global leader at sea.

When it comes to maritime motor applications, we can meet almost any challenge on any type of vessel.

We supply fit-for-purpose motor solutions that help shipowners and ship operators achieve peak operating efficiency in both new build and retrofit projects. Our comprehensive suite of add-on components and automated Energy Saving System solutions optimise motor energy efficiency and reduce downtime risk.

With in-house testing facilities in Denmark and China, we can provide documented proof-of-performance and marine certification. This ensures compliance with international standards, streamlines approvals, and, ultimately, means reliable delivery times for our customers.



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Scan for more information  
about the benefits of Hoyer  
Explosion-proof motors



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