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Offshore Crane

Specifically Designed for the
Harsh Ocean Environment

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Offshore Crane

Specifically Designed for the Harsh Ocean Environment

The 3S Lift Offshore Crane is made for safe and quick loading and unloading of spare parts from the supply ship at sea and has a service life of more than 25 years.

The high-quality components of the 3S Lift Offshore Crane are specifically designed for the harsh ocean environment and ensure a long service life of your assets. The Offshore Crane boasts high safety, reliability, and multiple anti-corrosion treatments. Sturdy and durable, it offers high impact resistance and carrying capacity even in extreme conditions.

Offshore Crane Specifications

Model	OC-5	OC-2
Rated load	1000 kg / 1200 kg	1000 kg
Lifting speed	20 m/min	18 m/min
Rated power	5.5 kW	3.7 kW
Max. lifting height	≤25 m	≤20 m
Wire rope diameter	11 mm	8 mm
Operating temperature range	-30 – +60°C	
Lifting arm length	1.3–5 m (customizable)	
Protection level	IP67	
Rotation angle	0–360° (customizable)	
Power supply	3 phase, 380 / 690 V	
Applicable sea condition	1.8 m (significant wave height), below 15 m/s wind speed	
Compliant with standard	EN 13852-1, API Spec 2C-2004	



OC-2



OC-5

Safe and Quick Loading and Unloading

The Offshore Crane is installed on the base platform of offshore wind turbines for the safe and convenient lifting of equipment, tools, and spare parts from supply ships. In addition, the crane can also be used for personnel rescue. The length of the lifting arm is customizable from 1.3 to 5 meters.

Minimize Downtime

The Offshore Crane minimizes downtime, improving work efficiency and reducing maintenance time.

Specifically Designed for Offshore Use

The high-quality components of the Offshore Crane require little maintenance and are specifically designed to be safe and durable in the harsh offshore environment.

25 Year+ Service Life

The 3S Lift Offshore Crane provides high reliability and quality with a service life of more than 25 years.

Extremely Durable

The crane features class-F insulation, impact and temperature resistance as well as multiple layers of anti-corrosion treatment.

Stainless Steel

The Offshore Crane is made from high-strength, age-resistant stainless steel to withstand the harsh offshore environment.

Precision Rotation Device

The rotation mechanism is made up of two primary components – a precision bearing rotation system and a helical cylindrical transmission gear. Together, they ensure extraordinarily precise and smooth operation.

Self-Locking Function

The mechanical self-locking function prevents user error by design. It engages immediately whenever the operator's hands leave the controls, preventing operator injury and equipment damage.

24 DC Control Box

The 24 DC electric control box is plug and play for convenient installation.

Upper and Lower Limit Switch

The upper and lower double-limit switch ensures high safety.

Overload Protection

In the event of overload, the overload protection system switches off the power to avoid equipment damage.

Torsion-Resistant Stainless Steel Wire Rope

The Offshore Crane lifts items with a torsion-resistant 10 mm stainless steel wire rope.

Minimal Maintenance

Designed to improve wind-farm efficiency, the Offshore Crane requires minimal maintenance and training. High-quality components and lubricants minimize the number of services, while the thoughtful design decreases total maintenance time.

Customizable

With multiple adjustable components, including the mounting platform, arm length, angle, and rotating system, the 3S Lift Offshore Crane can be customized to fit a wide range of customer needs.