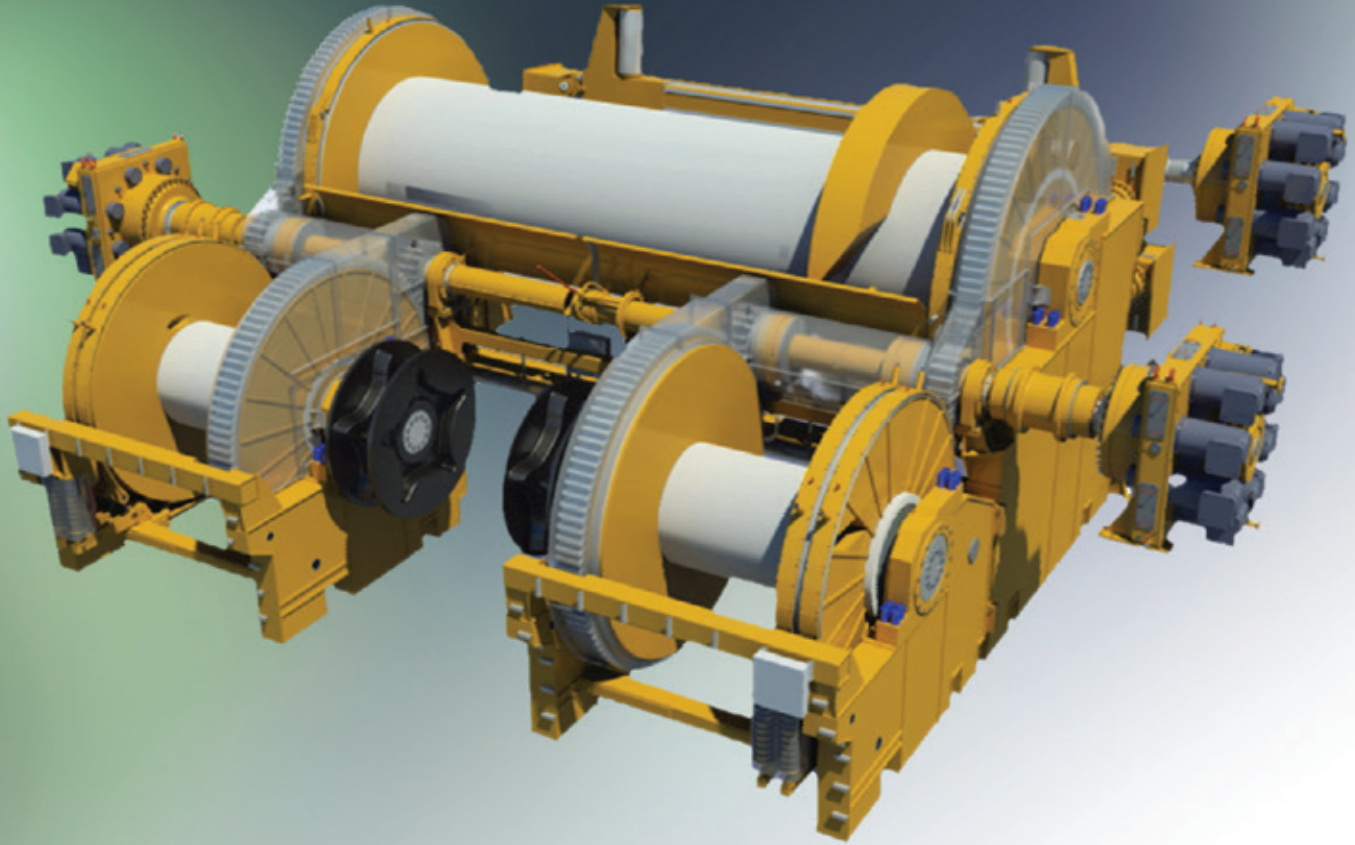


Anchor Handling and Towing Winch (with LOADLIM™ Safety System)



Your partner for a Lifetime of Lifting

Our line of electric driven Anchor Handling and Towing (AHT) Winches is based on decades of experience in winch design. The equipment design is based on use onboard AHTS vessels. The winch is powered by standardized and high efficient drive units each driven by four to eight Permanent Magnet Motors. Each drive unit has the **LOADLIM™** Safety Release and High Speed Payout System, integrated into the gearbox. The NOV AHT Winch System combines the best technology available for rotating machinery, providing excellent tension control for the operator and a highly redundant drive system.

Functions

The winch is controlled from the comfortable operator's chair on the bridge, or by radio remote control locally at the deck.

The operator's chair is equipped with joy sticks and selector buttons assisted by large touch screens.

Special program for towing operation is built into the logic system.

Rope spooling is semi-automatic or manual, and can be set for various wire diameters.

Drive System

The AHT winches are all electric driven, using the latest technology for rotating machinery, and utilize multiple Permanent Magnet Motors with individual variable frequency control.

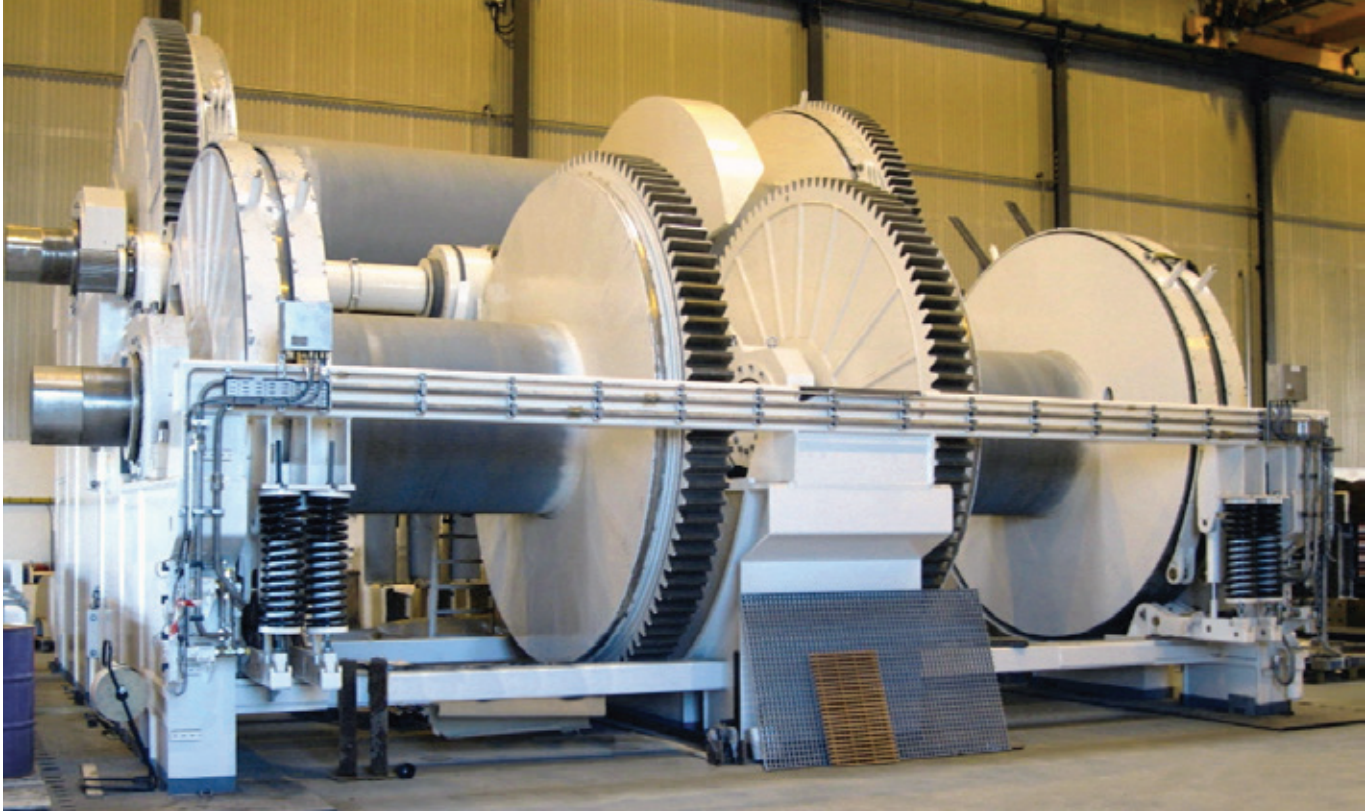
The operator can pre-set the line tension to trigger an automatic safety action at a specific level.

Speed and pull are available from zero to maximum values at all times instantaneously to make corrective actions.

Options

- NOV's eHAWK™ System — remote troubleshooting and service system
- Maintenance system
- Machine monitor system

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Highlights

- Excellent rope tension control
- Power efficient drive system
- Rugged design
- Redundant drive system
- Reduced installation cost
- Proven emergency release and stop systems
- Automatic gear lubrication, oil based, recirculating system

Safety Features

- LOADLIM™ Safety System, preventing overload rope tension due to sudden load peaks
- LOADLIM™ Emergency Release function, giving the operator possibility to release the rope tension from the winch immediately in any situation
- Emergency Stop function, giving the operator possibility to stop the winch drums immediately
- Remote Control System, radio or cable control available for local running of the system

Highlights

The Green Machine

- The electric driven NOV Anchor Handling and Towing Winches are designed to minimize pollution
- Due to superb efficiency in the drive system the winches require smaller generator capacity without losing performance. Regeneration of electric power is done during the lowering operation
- The low noise level allows accommodations to be closer
- The drive system has few moving parts causing less wear, extended lifetime and reduced operating cost

Winch Range

Max Rope Tension	200T – 1000T (at first layer)
Rope Speed	0-200 m/min (depending on input power and rope tension)
Rope Storage	up to 18000m (100mm rope at single drum)
Drum Arrangement	Single or multiple drums in waterfall or in-line configurations

