

A Modular Line of Hydraulic Hoists for the Offshore Crane Industry

LANTEC™ LH Series Hoists

Line pulls from 12,000 lbs to 72,000 lbs

LANTEC's fully hydraulic LH series hoists are engineered for exceptional performance under the toughest offshore conditions. No matter where you operate, LANTEC's hoists offer maximum reliability, cost-effective operation, and the flexibility of versatile power sources. With a wide range of options to meet your specific application, LANTEC delivers the long life and low maintenance our customers have come to expect.

Features and Benefits

Modular design	Each major sub-assembly is self-contained with all moving parts running in oil
Wide selection of hydraulic motors	SAE hydraulic motor mount allows selection of readily available, system-compatible motors; parts easily acquired worldwide
Planetary gear reductions	Gear design: Compact; design minimizes size, weight and cost Gear manufacturing: Carburized and heat-treated planetary and sun gears; forged-steel ring gears withstand shock loading and are heat treated for durability
Roller bearings	High-efficiency roller bearings for long life
Drum and winch base	Designed and manufactured to optimize strength, durability, and cost while meeting cable storage capacity needs
Brake	Design: Dual brake system for static (multi-disc, spring-applied and pressure-released) and dynamic (brake valve) functions Brake valve: High efficiency; capable of very high flow rates; orifice valves are protected by a high grade filter and help prevent valve malfunctions in the field. Multi-disc / wet: Large friction surface; running in oil; no adjustments or service required Sprag clutch: High capacity; long life; the sprag clutch incorporates a state-of-the-art, anti-rollover feature ensuring positive holding under high load condition

Special personnel handling configurations are available for offshore cranes operated under the provisions of American Petroleum Institute (API) Specification 2C.



POWER to Move the World™

A DOVER COMPANY

LANTEC™ is part of TWG, a global leader in standard and engineered winch, gearbox and electronic monitoring systems.



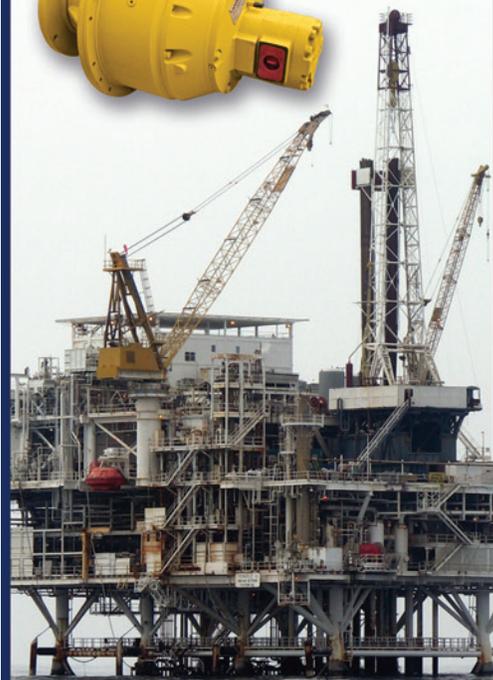
LANTEC™ Product Line Options

(Not applicable to all models)

LANTEC's smart modular design allows for a wide selection of options to custom build a winch or hoist package that meets exacting specification needs, while utilizing a high proportion of off-the-shelf components.

Cable drums	Divided drums to handle two or more cables; multiple or special cable anchors; grooved drums with options for spiral, straight or Lebus®-type grooved lagging
Hydraulic motors	Standard gear motor available with various gear widths increasing the range of line pulls and speeds; vane; gerotor; axial or radial piston motors are available to match hydraulic system requirements
Brakes	Standard brake is automatic and fail-safe (wet, multi-disc, spring-applied, hydraulically-released) Options: Brake effective in both rotations for some dual-cable applications; band brake on cable drum with spring, auxiliary multi-disc drum brake, hydraulic, pneumatic or manual actuation; external brake release
Gear reductions	Options available to provide an even wider range of line pulls and speeds
Cable levelwind systems	Diamond screw levelwind, chain driven and de-clutchable; fleet angle compensator
Free spooling cable drum	Jaw clutch; friction clutch; radial piston motor with zero displacement
Coatings	Marine or other special coatings
Slip ring systems	Mountings to accommodate various slip ring designs
Heaters	Immersion oil heaters in gear boxes
Constant tension systems	Load cell feedback for monitoring load
Tachometer drive	For monitoring cable speed, direction and distance
Underwater applications	Gear boxes sealed and pressure compensated; stainless steel seal rings
Ratchet and pawl	Spring engaged, hydraulic pressure released for positive locking of the drum; pawl design is integral to base design

LANTEC offers a wide array of products for the offshore and marine industries



Contact a TWG sales representative for more information on hoist options and features.

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