

Active Heave Drilling® (AHD) Drawworks

NOV's Active Heave Drilling® (AHD) Drawworks offers a unique design, and it sets new standards for compensation accuracy and working range, thus increasing the operational window for the vessels. Using AC electric motors provides improved speed and torque control independent of load and speed and the ability to keep the load at standstill indefinitely.

The AHD® Drawworks is completely self-contained and enclosed. Installation is simple, maintenance is kept to a minimum and easy access for installation and maintenance is emphasized.



Active Heave Drilling® (AHD) Drawworks

OPERATIONS:

- Normal drawworks operations: drilling and tripping
- Autodriller™ operations
- Active Heave Compensation (AHC) of full load range of the drawworks
- Landing of heavy BOP and riser loads with (AHC)

FEATURES AND BENEFITS:

Increased Operational Capacity and Availability

- Heave compensation for landing operations
- Heave compensation for heavy loads
- Less waiting on weather
- Less operational cost

More Accurate Heave Compensation

- Better drilling performance
- Less operational cost

Reduced Weight on Deck

- Lighter derrick and substructure
- Lower vessel center of gravity
- Increased deck load capacity
- Less operational and initial cost

Single Speed

- Fast tripping, riser and BOP running
- Less operational cost

Self Contained and Enclosed Unit

- Easy installation
- Easy maintenance
- Less initial operational cost

Complete with All Auxiliaries

- PLC control panel
- Motion reference units (redundant)
- Motor-cooling blower skid(s) (redundant)
- Brakes (no additional Baylor™ or Eaton™ brakes required)

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 **NATIONAL OILWELL VARCO**

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TECHNICAL SPECIFICATIONS:

Main Drive Motors

1150 HP (858 kW)
140% overload
GEB22A2 or equivalent

Weight

60 – 96 sh. tons, depending on model

Models (others available on request)

Two drive motors (2300 HP)
275 sh. tons hoisting capacity
375 sh. tons hoisting capacity
Three drive motors (3450 HP)
375 sh. tons hoisting capacity
500 sh. tons hoisting capacity
Four drive motors (4600 HP)
500 sh. tons hoisting capacity
650 sh. tons hoisting capacity
Six drive motors (6900 HP)
750 sh. tons hoisting capacity
1000 sh. tons hoisting capacity

CONTACT:

Heave Compensation Capacities and Power Consumption information is available on request.
For more information, please contact:
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