

CDW-375

Onshore drawworks

APPLICATIONS

Onshore rigs requiring 375- to 500-t lifting capacity

BENEFITS

- Full lifting capacity in the event of single motor failure
- Advanced sensors to predict potential problems

FEATURES

- High power for superior performance
- Fully redundant lubrication system
- Ability to lift 375 t on eight lines; maximum speed (at 375 t) of 144 ft/min
- Pneumatic multidisc plate brake mounted directly to the main gearbox
- Vibration and temperature sensors on every bearing
- Remote I/O panel



CDW-375 onshore drawworks.

Satisfying the most demanding requirements in a compact package, the CDW-375 drawworks raises and lowers the traveling equipment in the mast, utilizing AC motors equipped with local forced air cooling for hoisting, lowering, and service braking (regenerative). Emergency and parking brake functions are provided by a fail-safe, multidisc pneumatic brake.

Flexibility and robustness

The drawworks offers redundancy on key functions, with 150% minimum worn braking capacity on full-load drum torque. The drawworks can operate at half load and full speed with one motor in the event of a single motor failure or at full load and half speed with an optional speed-reducer module. A fully redundant lubrication system enables greater uptime in the event of minor leaks or valve issues.

A powerful yet compact design includes a brake that is mounted directly on the gearbox to conserve space and ensure alignment. Because heat exchangers mount above the drivetrain, the footprint is minimized, and heat dissipation is improved.

Efficiency and maintenance

The drawworks' self-sufficient design requires only electrical power, instrument connections, and air to operate. No water or hydraulic plumbing to the drawworks is required. Additionally, forward visibility of maintenance window and downtime is possible through the use of optional instrumentation and condition monitoring packages.

Streamlined operations and increased safety

A single-speed gearbox with optional motor, integrated speed-reducer modules, and reduced component count add to the efficient simplicity of the CDW-375 drawworks' design. Safety is enhanced as a result of fully automated drilling and guards that cover all rotating elements. Optional instrumentation packages can provide data required for remote monitoring.