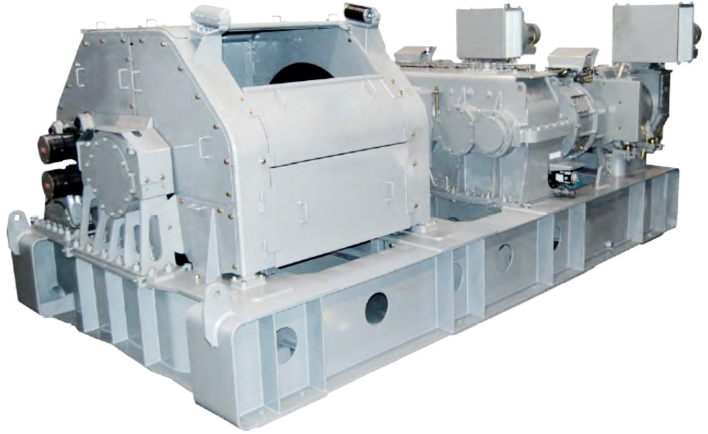


UltraHoist Drawworks System

UH 3G-750-3000-DDW

Cameron's UltraHoist™ drawworks deliver efficient hoisting and lowering during drilling, tripping and handling operations. All UltraHoist drawworks are AC and gear-driven. The three-speed version offers operational flexibility, both at high speeds and high loads.

The UltraHoist 750-3000 is a fully-integrated drawworks system, designed to be able to hoist and lower defined loads and velocities during tripping and drilling modes. The UltraHoist is designed for offshore installation and is centered on maintaining personnel safety and increasing equipment service life and long-term optimal performance through component selection and system design.



Main Features

- Three-speed transmissions used between AC motors and fixed speed gearbox provide unique, fast line speed and pull characteristics
- Lebus grooved drum for 1-5/8" drill line – complete with kickback rollers and easily removable guards
- Easily removable cable anchor
- Control system interfaces with the Zone Management System for safe interaction with other drillfloor equipment
- Custom PLC software ensures smooth and natural operation for the driller
- Built-in, self-diagnostic functions with automatic warning system for service and overhaul of main components
- Onboard HPU systems for brakes and lubrications fitted with dual pumps and motors
- Remote-operated fast shift mechanism in the gearbox to avoid gear-shift problems and load-dropping
- Internal gearboxes use a keyless design to avoid stress configurations

Safety Features

- Fail-safe braking system comprised of two brake discs, one at each side of the drum, and two calipers with brake pads acting on each disc
- Braking capacity of the emergency brakes equal to 200% of maximum line pull
- Automatic brake monitoring system, including brake slip detection, drum creep detection and drum response detection
- Two separately fused emergency shutdown circuits
- Integrated crown and floor saver provides full control of the various braking systems

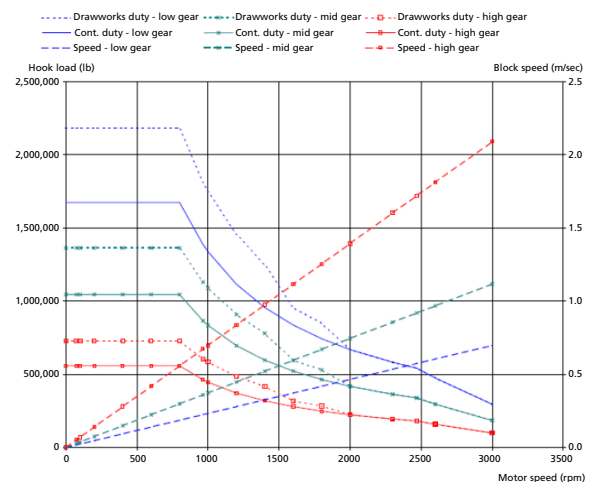
Technical Specifications	SI	Imperial (US)
Power rating maximum drawworks duty	2240 kW	3000 hp
Maximum hook load on 14 lines	680 tonnes	750 tons
Maximum fast line pull	59 k-N	65 tons
Maximum block speed on 14 lines	1.74 m/sec	343 ft/min
Drum size (diameter x length)	914 mm x 1445 mm	36" x 56.9"
Design	API 7K drilling equipment Any third-party approval is available upon request	
Area classification	Zone 1, IIB, T3	

Scope of Supply	Options
Drawworks skid	Foundation bolts
Drum and drum support	Sound attenuation housing
Dual brake disks and calipers	Water-cooled AC motors
Single-speed gearbox	Lifting spreader bar
Dual three-speed planetary transmissions	AC drives
AC motors	Operator's control panel
Blowers for cooling of AC motors	
HPU for lube oil and gearshift system	
HPU for brake control system	
UltraHoist control system includes PLC with software as needed for safe and reliable control and monitoring of all drawworks functions	
Local control panel (for cut-and-slip operations)	
Block reset sensors	
Floor/crown saver sensors	
User manuals/documentation	

Hook Load and Speed Chart

* Calculations based on 14 lines, layer 2 over Lebus bar

** Hook load given is in lb, block speed in m/sec



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