

Mobilization

LOGIQ™ Logging Truck

LOGIQ™ logging trucks are an evolution in onshore logging technology. The trucks are designed to operate all of the new evolution tools at well depths of up to 27,000 ft in single drum (open-hole) or **dual drum (open and cased-hole)** configuration. The latest state-of-the-art technology and engineering design make the truck and computer system a platform that can be upgraded as technology evolves.

Logging Cabin Features

- Exterior
 - Material – 1/8-in. aluminum
 - Construction – welded aluminum
 - Insulation – 2-in. urethane foam
 - Entrance(s) – single door
- Interior
 - Material – brushed anodized aluminum skin
 - Console – winch operator console for depth panel, engine, and generator panel
 - Window – one large sliding window facing reel and frame assembly
- Power Distribution Panel
 - Power type – 110V and 220V sockets
 - Direct Lights – 110V and 12V direct lights
 - Floodlights – 110V, 500W quartz
 - Air Conditioners – four DuoTherm; 13,500 BTU/ 5,600 BTU heating for each
 - Intercom – 3M Model D-15
- Curbside Tool Racks (with airbags)
 - Top – four, 2-in. diameter tools, maximum length 92 in. (233.7 cm)
 - Middle, Lower – holds two, 4-in. diameter tools, maximum length 98 in. (249 cm)
- Roadside Tool Racks (with airbags)
 - Top – four, 2-in. diameter tools, maximum length 88 in. (223.5 cm)
 - Middle, Lower – holds two, 4-in. diameter tools, maximum length 136 in. (345.4 cm)
- Underbelly Tool Rack
 - Holds four, 5-in. diameter tools and two, 4-in. diameter tools; maximum length 22 ft (6.7 m) with pneumatic tool retainers



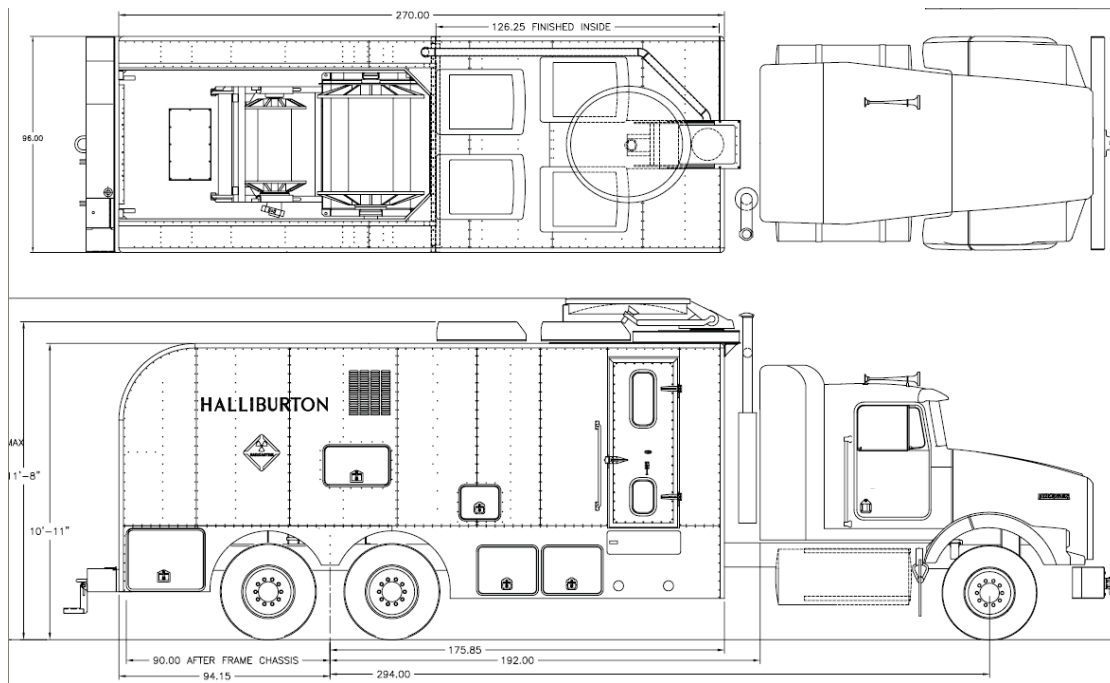
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Truck Chassis and Engine Specifications

Make/Model	Height	Width	Length	Wheel Base	Cab to Axle	Engine Model	Horsepower	Fuel Tanks
Kenworth T-800 6X4	13 ft, 2 in. (4.01 m)	7 ft, 11 in. (2.41 m)	38 ft, 4 in. (11.68 m)	24 ft, 6 in. (8.86 m)	16 ft (4.87 m)	Caterpillar Cat-13	380 hp at 2100 RPM	Two 24.5-in. diameter aluminum, cap: 110 and 50 USG

Winch Specifications

- Two-speed transmission, speeds from 55,000 ft/hour down to 360 ft/hour with an enhanced low speed option down to 50 ft per hour.
- Single speed transmission cased-hole drum with speeds up to 52,000 ft/hour and down to 360 ft/hour with an enhanced slow speed option down to 50 ft/hour
- Rexroth AA4VG pumps and AA6V motors with electronic controls
- Large drum capable of holding 25,500 of 0.490-in. heptacable slammer cable or 28,500 ft of 0.472-in. heptacable slammer. Small drum capable of holding 22,500 ft of 5/16 single conductor cable or 28,500 ft of 7/32 single conductor cable.
- Satellite dish and communications optional



LOGIQ™ Modular Skid Mounted Logging Unit



Cabin Module

The unit has entry doors on both sides, and cooling and heating is provided by four units. The exterior material is 3/16-in. aluminum with 2.0-in. urethane foam walls. The cabin is ergonomically designed and holds a single or double LOGIQ™ logging system. The control panel includes all functions, such as: gauges for power pack, winch controls, generator controls, start/stop, pump controls, and an integrated touch screen depth panel.

Winch Module

It has interchangeable reels for open-hole and cased-hole purposes. Both have maximum slew rate angles of up to $\pm 12^\circ$. The open-hole reel has a two-speed direct drive transmission. Speeds vary from 55,000 ft/hour down to 360 ft/hour with an enhanced low speed option down to 50 ft/hour. The cased-hole reel has a single speed direct drive transmission with speeds up to 52,000 ft/hour and down to 360 ft/hour with an enhanced slow speed option down to 50 ft/hour. It also features a Rexroth 90 cc pump and 80 cc motors with electronic controls. The unit includes a large drum capable of holding 25,500 ft of 0.490-in. heptacable slammer cable or 28,500 ft of 0.472-in. heptacable slammer. The small drum is capable of holding 22,500 ft of 5/16 single conductor cable or 28,500 ft of 7/32 single conductor cable.

Power Pack

Its main component is the Caterpillar 3126 EURO-3 engine with 230 hp. It runs the hydraulic pumps for the winch and 30 kW hydraulic generator and other auxiliary hydraulic controls. All electrical and hydraulic connections are quick change so set up time is minimal. All service access points are easy to reach. The power pack unit has an enclosed pollution drip pan with easy access drain plugs. It also includes air-start with standard rig air connections.

Volvo Truck Chassis

