

DataSplit Modular Unit

RUGGED WIRELINE LOGGING UNIT MEETS NORTH SEA CHALLENGES

The Halliburton DataSplit modular openhole/cased-hole logging unit is capable of running the biggest cables, highest tensions, and most data-intensive tool combinations. Specifically designed for Norwegian offshore operations, the DataSplit wireline unit consists of a long-length logging cabin, power pack module, and single-drum winch.

LONG-LENGTH LOGGING CABIN

The long-length logging cabin is the central control point for wireline-winch operations. It has a two-compartment layout consisting of an airlock and an operator area. Installed lighting ensures a minimum adjustable luminance level of 400 LUX. The floor has an anti-slip material covering. A laminated safety glass window at the front of the cabin gives the operator a clear view of the winch. During transport, the operator windows are protected by grids.

Cabin features:

- » SmartMonitor displays for depth and tension status and winch control functions
- » Swire display at the front of the cabin for the fire and gas system and cabin environment control
- » Computer racks with dual Halliburton LOGIQ® systems
- » Cabin sprinkler system
- » Integrated cabin heater and air conditioning system

POWER PACK MODULE

The power pack module is composed of an electric motor that drives a closed-loop hydraulic system, which enables stable logging speeds, as well as fast acceleration and high drum speeds. The power pack has its own control panel, allowing it to be started without access to the cabin. Doors and panels give full access to all compartments of the power pack. The power pack is sound-proofed to ensure that noise level outside the module at nominal operation conditions are less than 82 dB(A).

SINGLE-DRUM WINCH

The single-drum wireline winch assembly includes the winch frame, drum (with built-in motor, reduction gear box and slow-speed manifold), disk brake, levelwind, and measuring head carrier. The complete DataSplit winch assembly is mounted on a turntable on the floor of the winch module, and is turned on the turntable by hydraulic actuators mounted at the rear of the winch module. The Halliburton standard winch package is fitted with a hydraulic direct-drive motor with an impressive tension pull capacity of 22,000 lb. This rating allows us to pull up to 20,000 lb on a 7Q49 cable directly and immediately if required in a stuck-tool situation. Our direct-drive system eliminates entirely the use of a chain for driving the drum, which is typically the capacity limiting factor in competitor hoist units and greatly reduces any need for a capstan. The drum is equally stopped by a high-capacity disk brake system.



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Long-Length Logging Cabin

Assembly	Description
DataSplit	DataSplit (Halliburton, Cabin Unit, XLong Cab, -20°C Certified, Ex Zone 2)
Certification	Certification (EN 12079 / DNV 2.7-1, manufacturing, testing and design, Td = -20°C, Lloyd's, type 1), NORSOK Z-015 compliant
Communication Electronics	Intercom (24 VDC, IP44, two- channel transmitter / receiver, portable microphone / loudspeaker)
Depth and Tension Measurement	Backup Depth System (Kerr AMS5KA201)
	Backup Depth System mechanical installation (Kerr AMS5KA201)
	Backup Depth System wiring (Kerr AMS5KA201)
	Measure Head Control (Automatic)
	Winch Operators Display Panel (OH, Kerr AMS4A043)
	Winch Operators Display Panel mechanical installation (Kerr AMS4A043)
	Winch Operators Display Panel wiring (Kerr AMS4A043)
	Winch shutdown (OH, Kerr AMS4043, 12 V / 24 V output, hydraulic valve, relay, Ex Zone 1, ATEX)
Documentation	Documentation (Operation / Maintenance Manual & Data Book, Additional Digital Copy on CD format c/w mandatory printed documents)
Electric System	Electric system (115 VAC 60 Hz, 1 ph, 63 A, Ex Zone 1, ATEX, shore supply wall socket, power distribution panel)
	Electric system (Halliburton MRIL® / RDT™ tools, power supply 115 V 60 Hz, 25 A / 115 V 60 Hz, 20 A; 230 V 50 Hz 50 A)
	Electric system (Signals, Halliburton, bulkhead, 15 connections, cable to SP/DLL reel)
	Electric system (Signals, Halliburton, shooting panel, 12 VDC relay, 24 VDC power)
	Light fluorescent (115 VAC 60 Hz, 2x18 W, Ex Zone 1, ATEX, IP66, backup 60 minutes, surface mounted)
	Socket (115 V 60 Hz, 1 ph, 16 A, 2 pole, IP4X, US type NEMA 1-15, double, wall mounted)
	Socket (230 V 50 Hz, 1 ph, 16 A, 2 pole, IP4X, European type, double, wall mounted, earthed)
Equipment Storage	Electronics Rack (Power cable, 4 x 110 V x 40 A)
	Electronics Rack HES-supplied system (19-in., 600-mm depth, fitting according to HES doc. nrs D00091783+D00093014+D00214482+D00214482)
Furniture / Stationary	Electronics Rack HES-supplied system (19-in., 600-mm depth, fitting according to HES doc. nrs D00091783+D00093014+D00214482+D00214482)
	Chair (adjustable, casters, vinyl surfaces, black)
	Operator Chair (Floor mounted, adjustable, arm rests, vinyl surfaces, black)
	Whiteboard (LxH = 450x600 mm, magnetic, 4 x color markers, eraser, wall mounted)
Heating, Ventilation, Air Conditioning	Air Conditioner (115 VAC 60 Hz, cooling 13,500 BTU/h, electric driven, Ex Zone 2, ATEX, roof mounted, marine environments)
	Pressurization (115V 60Hz, Ex Zone 1, ATEX, 10 m3/min, fan, exchangeable heavy-duty filter)
	Ventilation NORSOK Z-015 (230 VAC 50 Hz, 1 ph, 0.55 kW, fan, 60 dBA, inlet duct, outlet duct, wall mounted)

Long-Length Logging Cabin (continued)

Assembly	Description
Hoisting and Lifting Equipment	Lifting sling set (4-leg, wire rope, SWL 15 ton, WL 3 m, Greenpin bolt OD 35 mm, EN 12079 / DNV 2.7-1, Lloyds certified)
	Single Lift Link (connection system for frame section to bolt additional container), NOT SUITABLE FOR LIFTING
Safety Equipment	Gas detector (24 VDC, Ex Zone 1, ATEX, IP65, IIB, calibrated for Ethylene C2H4, wall mounted)
	Wind screen wiper (24 VDC, on / off, pantograph arms, one wiper, self-parking, marine environments, only with pressurized cabin)

Power Pack

Assembly	Description
DataSplit	DataSplit (Power Pack Unit, Diesel driven, -20°C Certified, Ex Zone 2)
Certification	Certification (EN 12079 / DNV 2.7-1, manufacturing, testing and design, Td = -20°C, DNV, type 1), NORSOK Z-015 compliant
Documentation	Documentation (Operation / Maintenance Manual & Data Book, Additional
	Digital Copy on CD format c/w mandatory printed documents)
Drive System	Compressor (500 litre/min @ 10 bar (17.6 cfm @ 145 psi), belt driven, 6 kW, air receiver)
	Diesel engine (Caterpillar, 6 Cylinder, 150 kW (204 hp) @ 2200 rpm, liquid cooled, 6.6 litre, EX Zone 2)
	Start System, air (Ex Zone 2, with air reservoir, suitable for 6.5 litre displacement engine)
Electric System	Generator 30kW 120/230VAC (2 ph, 4 lead) 50/60-hz hydr. driven
	Generator (24 VDC, 25A, 0.6 kW, belt driven, Ex Zone 2)
	Light (115 VAC 60 Hz, 8 W, IP68, Ex Zone 1, handheld c/w 10 m cable lead and connector)
Hoisting and Lifting Equipment	Lifting sling set (4-leg, wire rope, SWL 15 ton, WL 3 m, Greenpin bolt OD 35 mm, EN 12079 / DNV 2.7-1, Lloyds certified)
Paint and Decals	Decal (Description "Assetno.," Text height 100 mm, hard stamped, text color unit, free of charge)

Single-Drum Winch Module

Assembly	Description
DataSplit	DataSplit (Halliburton, Winch Unit, -20°C Certified, Ex Zone 2)
Certification	Certification (EN 12079 / DNV 2.7-1, manufacturing, testing and design, Td = -20°C, DNV, type 1), NORSOK Z-015 compliant
Depth and Tension Measurement	Measure Head Kerr AM5KA507 (carrier, shaft diameter 40mm)
	Measure Head Kerr AM5KA507 (tension range 0-9,072 kg (0-20,000 lb), measure wheel 24 in., dual encoder, MMD, magnetic backup, Ex Zone 1)
	Measure Head Control (Automatic)
	Measure Head Control (Drum Mount Slewing, 8-degree oscillation)
	Unit configured for wire type 15/32 in. (wire not included)
Electric System	Electric system (115 VAC 60 Hz, 1 ph, 16 A, Ex Zone 1, junction box c/w 5-m cable leads and connectors)
	Electric system (Signals, Ex Zone 2, junction box c/w 5-m cable leads and connectors for depth, tension)
	Light (115 VAC 60 Hz, 125W, IP66, Ex Zone 2, flood)
	Light (24 VDC, 15W, IP66, Ex Zone 2, green, extendable mount)
	Light fluorescent (115 VAC 60 Hz, 2x18 W, Ex Zone 1, IP66, surface mounted)
Equipment	Reel (cable, ground, 50 m, 3 x C-clamp, manual driven, Ex Zone 1)
	Reel (cable, intercom horn speaker, 50 m, manual driven, Ex Zone 1)
	Reel (cable, load cell, 75 m, MIL xx connectors, manually driven, Ex Zone 1)
	Reel (HES, cable, SP/DLL, 75 m, lead electrode and MIL connector nr poles, manual driven, Ex Zone 1)
Hoisting and Lifting Equipment	Lifting sling set (4-leg, wire rope, SWL 15 ton, WL 3 m, Greenpin bolt OD 35 mm, EN 12079 / DNV 2.7-1, Lloyds certified)
Paint and Decals	Decal (Description "Assetno.," Text height 100 mm, hard stamped, text color unit, free of charge)
Slip Ring	Slip Ring (1200 VAC, 7.5 A, number of rings 8, without cable glands, stainless steel, Ex Zone 1)
Winch System	Brake system (FailSafe, Hydraulic Actuated)
	Drum Mount (Modular, Single-drum frame, 1270D-1054W, Direct drive)
	Gear Box (ChainDrive, Planetary reduction gear, 2-speed)
	Drum speed control (HES, low / medium / high-speed control selection, valve, Ex Zone 2)
	Measure Head Support Arm (Pneumatic)
	Winch Drum no 30 (HES, ODxDxW= 1270x508x1054 mm, direct driven)
	Wireline Oiler Bar (1054W)

For more information, contact your local Halliburton representative or visit us on the web at www.halliburton.com

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