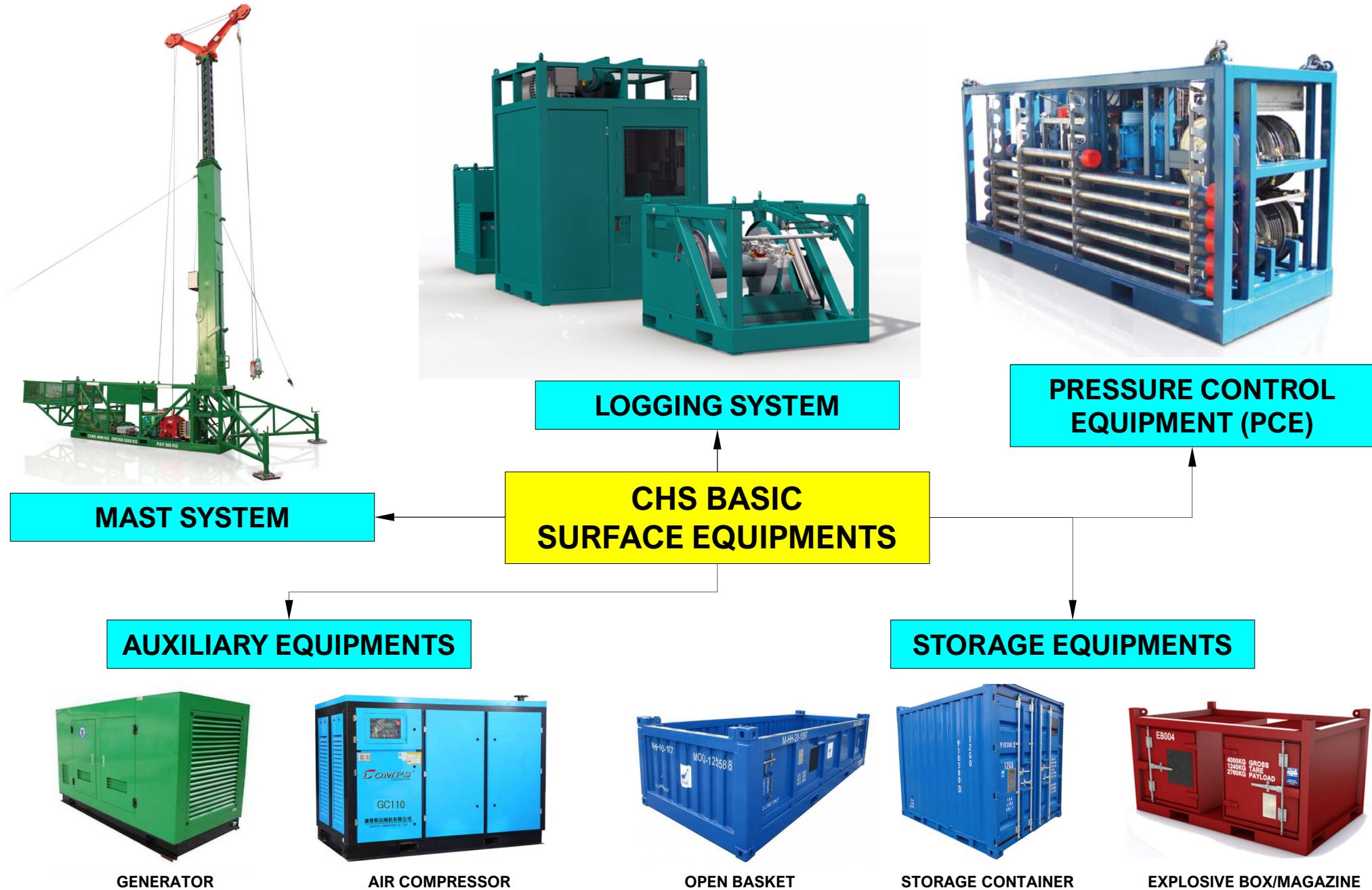


CHS BASIC SURFACE EQUIPMENTS



CHS BASIC SURFACE EQUIPMENTS : LOGGING SYSTEM

SLIMSLIT C (POWERPACK/CABIN/WINCH UNIT, DIESEL DRIVEN, -20 °C CERTIFIED, ZONE 2



The ASEP SlimSplit C is a purpose-designed three-piece wireline winch for cased hole and open hole operations, and consists of a PowerPack module, a cabin module and a winch module. The modules are linked by hydraulic, electric and signal cabling.

- Area classification : Ex Zone 2
- Operating temperature range : -20°C - +40°C
- Environmental control : Air Conditioner (115 VAC, 60 Hz, cooling 15,000 BTU/h, electric driven, Ex Zone 2, roof mounted, marine environments)
Pressurization (115V, 60Hz, Ex Zone 2, ATEX, 10 m3/min, fan, exchangeable heavy duty air filter)
Centrifugal ventilator (0.37 kW, 120 /1 / 60, IP 55 ATEX EEx d)
- Standard conformities : 98/37/EC Machinery Directive
97/23/EC Pressure Equipment Directive
89/336/EC Electromagnetic Compatibility Directive

- Transport Dimensions (ft) : 7.25 X 4.49 X 5.66
- Tare weight (kg) : 1875

- Transport Dimensions (ft) : 7.00 X 6.60 X 9.45
- Tare weight (kg) : 1400
- Max rating : 1820

- Transport Dimensions (ft) : 6.15 X 4.51 X 4.35
- Tare weight (kg) : 900

POWERPACK

LOGGING CABIN

WINCH SKID

POWER SYSTEM

- Engine type : Diesel engine (Iveco, 4 Cylinder, 59 kW (79 hp) @ 2,500 rpm, liquid cooled, 3.9 natural aspirated, Ex Zone 2, ATEX)
- Power output : 150 kW (204 hp) @ 2200 rpm
- Starter : Spring, rig safe or Ex zone 2, with hand crank, suitable for 6 Litre displacement engine
- Fuel tank volume : 300 litres

PNEUMATIC SYSTEM

- Air pressure : On-board belt-driven compressor or rig air
- Compressor power rating : 3 kW
- Compressor pressure : 7 bar nominal (102 psi)
- Compressor flow volume : 250 litre/min @ 10 bar (8.8 cfm @ 145 psi)
- Air receiver capacity : 30 liters (7.9 US gal)

CHS BASIC SURFACE EQUIPMENTS : LOGGING SYSTEM

ELECTRICAL SYSTEM

• Electrical source	:	Shore-supplied or on-board generator
• On-board generator	:	2x120 VAC / 240 VAC, 60 Hz, 2 ph, 15 kW, 1800 rpm, hydraulic driven, Ex Zone 2
• Cabin voltages	:	24 VDC, Ex zone 1, ATEX rig power input 2x 115 VAC, 60 Hz, switch box, use when generator is selected)
• Power supply Type	:	QS 20.241 (110 - 230 VAC / 20A, 50/60 Hz, 24 VDC / 20 A / 480 W, Ex Zone 2
• Battery capacity	:	24 VDC @ 12 Ah, ATEX II 3G Zone 2 - 20 °C
• Lights	:	Cabin (18 W, 24 VDC), Dash board (2 x 18 W, 115 V)

HYDRAULIC SYSTEM

• Type	:	Patented ASEP closed loop
• Source	:	Variable displacement hydraulic pump and motor
• Main pressure	:	400 bar (5801 psi) max
• Tank volume	:	175 l (46.2 US gal)
• Auxiliary drive	:	Hydraulic, 45 litre/min @ 200 bar, volume 20 litre, open loop, control valve, quickconnectors

DEPTH AND TENSION MEASURING

• SmartMonitor	:	SmartMonitor 12 (12 / 24 VDC, Standard, 12" display, touch screen, Ex Zone 2, ATEX)
• Depth measurement	:	Encoder, Incremental, 1024 PPR, Ex Zone 1, ATEX
• Measuring head	:	SmartHead basic (tension range 0-10,000 kg (0-22.050 lbs), measure wheel 7.64", Ex Zone 1, ATEX
• Load pin	:	Stainless steel, 1 ton, single signal, 4-20 mA, integrated amplifier, 12 m of 4 wire cable, Ex Zone 1, ATEX

WINCH DRUMS

• Mounting type	:	Modular, Single drum frame, 700D-700W, Chain drive, Aluminium
• Supplied drum	:	BC06 (ODxDxW= 700x260x700 mm, chain driven
• Brake	:	Single brake rim (FailSafe, Pneumatic Actuated)
• Slipring	:	1200 VAC, 7.5 A, number of rings 2, stainless steel, IP66, Ex Zone 1, ATEX
• Gearbox	:	ChainDrive, Planetary reduction gear, ratio i=20
• Levelwind arms	:	Pneumatic

FIRE AND GAS SAFETY

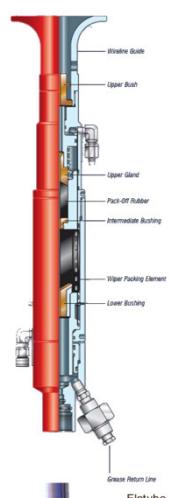
• Detection system	:	115 VAC, 60 Hz, Ex Zone 1, ATEX, Control panel, PLC, Display, Smoke/Gas detectors, max. 100 A 1 ph switchable
• Smoke detector	:	Optical EEX - IA (Orbis) included base
• Gas detector	:	Xgard 5 (C ₂ H ₄)

FLUIDS

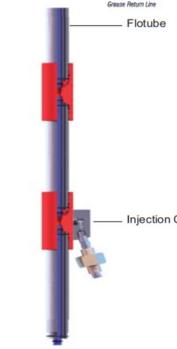
• Main hydraulic fluid reservoir	:	Reservoir capacity = 175 l (46.2 US gal)	Fluid = Tellus T46, Shell product code 65402
• Coolant reservoir	:	Fluid = AGIP KSV SPECIAL	
• Engine diesel tank	:	Capacity = 300 l (79.3 US gal)	Fuel = Diesel
• Engine oil tank	:	Capacity = see Iveco documentation	Oil = DELVAC SUPER 1400 15W40
• Winch transmission reduction gearbox	:	Capacity = 3 litre (0.8 gal)	Oil = Spirax S, product code 59226

CHS BASIC SURFACE EQUIPMENTS : MAST

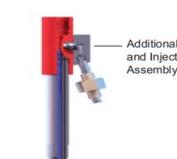
EQUIPMENT NAME	70FT ZONE 1 TELESCOPIC WIRELINE MAST UNIT	DIMENSIONS	TRANSPORT POSITION
MAKE	ASEP ELMAR		OVERALL LENGTH : 6130 MM (20.1 FT)
PART NUMBER	L6901031666V01		OVERALL WIDTH : 1480 MM (4.90 FT)
CERTIFICATION	DNV 2.7-3		OVERALL HEIGHT : 1450 MM (4.80 FT)
MAX HEIGHT	70 FT		
MAX COMBINED COLUMN SWL	20000 IBS (9.1 mT)		
TOTAL SECTION	5		
NUMBER OF WINCH	2		
WINCH #01	UTILITY WINCH SWL 2.00 mT ONLY		
WINCH #02	UTILITY OR MANRIDER WINCH		
	UTILITY MODE SWL 2.00 mT)		
	MANRIDING MODE SWL 0.15 mT		
SAFETY SYSTEMS	HIGH HOOK S/DOWN SYSTEM	ELECTRICAL	
	SLACKWIRE S/DOWN SYSTEM (FOR MANRIDER)		
	LAST THREE WRAP SHUT DOWN SYSTEM (FOR		
	MANRIDER)		
	HYDRAULIC LOAD MONITORING SYSTEM		
WEIGHT (GROSS)	5200 KG (11464 IBS)	OIL TYPE	
MODULAR WEIGHTS	COLUMN SECTION 2100 KG (4630 IBS)	HYDRAULIC REQUIRED	
	BASE SECTION 2600 KG (5723 IBS)		
	HORSE HEAD SECTION 200 KG (441 IBS)		
	ACCESSORIES/MISC 300 KG (661 IBS)		
OPERATION LIMITATION	WIND SPEED 0-40 MPH	HYDRAULIC INTENSIFIER POWER PACK	
MAX COMBINATION COLUMN LOAD	20000 IBS	*****	
	UTILITY WINCH SWL : 2.00 mT	EQUIPMENT NAME	HYDRAULIC INTENSIFIER POWER PACK
	MANRIDER WINCH (MANRIDING) : 0.15 mT	MAKE	ASEP ELMAR
	MANRIDER WINCH (UTILITY) : 2.00 mT	PART NUMBER	L6901036308V1
	WIND SPEED 40-60 MPH (STORM GUYS FITTED)	DIMENSIONS	TRANSPORT POSITION
	MAX COMBINATION COLUMN LOAD : 20000 IBS		OVERALL LENGTH : 1140 MM (3.74 FT)
	UTILITY WINCH SWL : 2.00 mT		OVERALL WIDTH : 950 MM (3.12 FT)
	MANRIDER WINCH (MANRIDING) : 0.15 mT		OVERALL HEIGHT : 955 MM (3.13 FT)
	MANRIDER WINCH (UTILITY) : 2.00 mT		620 KG (1367 IBS)
	WIND SPEED 60-80 MPH (STORM GUYS FITTED)		SHELL TELLUS T46
	NO WINCH OR WIRELINE LOAD TO BE APPLIED		CONNECTED TO AN OPEN LOOP CIRCUIT
	TO THE MAST		PRESSURE 2000 PSI MAXIMUM
DESIGN TEMPERATURE	MINIMUM -20°C		FLOW 30 L/MIN MAXIMUM
HAZARDOUS ZONING	ZONE 1		



1 GREASE
INJECTION
CONTROL
HEAD WITH
STUFFING
BOX, LINE
WIPER AND
FLOW TUBES



2 BALL CHECK
VALVE ASSY



3 TOOL
CATCHER



4 LUBRICATOR/
PUP JOINTS



5 TOOL
TRAP



6 QUICK TEST
SUB



7 WIRELINE
VALVE/BOP



8 PUMP-IN SUB
PLUG VALVE

9 WELLHEAD
X-OVER

