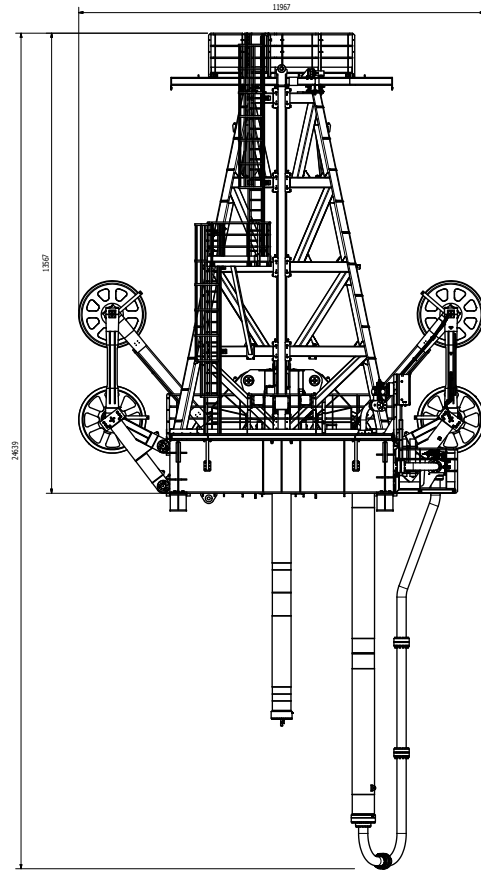


## Crown Mounted Compensator (CMC)

Specialized for locked bottom operations



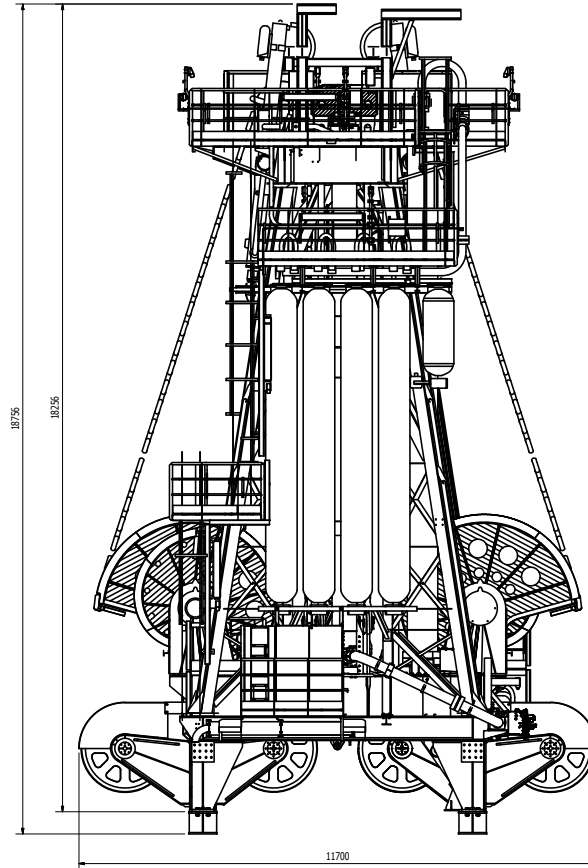
### Standard delivery includes

- Set of two (2) compensator cylinders.
- Fluid/Gas Accumulator.
- Fluid Storage Unit with pumps for installation at deck level.
- Control cabinet for installation in safe zone at deck level.
- Single PV lling (Working PV's).
- Mechanically prepared for AHC.

Technical specifications			
Model	600-25	800-25	1000-25
Crown block capacity, static	1,500 Kips	1,500 Kips	1,500-2,800 Kips
Compensator capacity, dynamic	600 Kips	800 Kips	1,000 Kips
Compensator stroke	25 ft	25 ft	25 ft
Crown block sheave configuration	6 x 72"	6 x 72"	7 x 72" or 78"
Weight (complete)	110 mT	120 mT	110-145 mT

## CMC-E

The one piece solution



### Standard delivery includes

- One complete CMC-E including cylinder, accumulators, working gas PVs, crown block and equalizing system.
- Fluid/Gas Accumulator.
- Fluid Storage Unit with pumps for installation at deck level.
- Control cabinet for installation in safe zone at deck level.
- Single PV lling (Working PV's).
- Mechanically prepared for AHC.

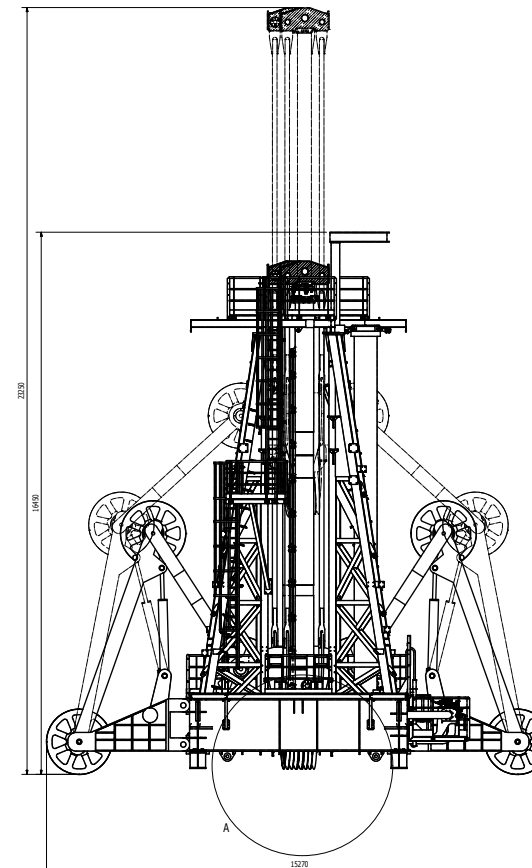
### Options

- Service handling tool (SHT)

Technical specifications	
Compensating load-in	695 mT (1,533 kips) w/ 16,14,12 lines
Crown block capacity (max)	1,134 mT (2,500 kips)
Compensator stroke	7,77m w/16 lines
	7,62m w/14 lines
	7,41m w/12 lines
Crownblock and Idler sheave OD diameter	72"
Crown block and Idler sheave wireline grooves	2"
Weight	240 mT

## CMC-H/H2

Excellent performance made for SSGD rigs



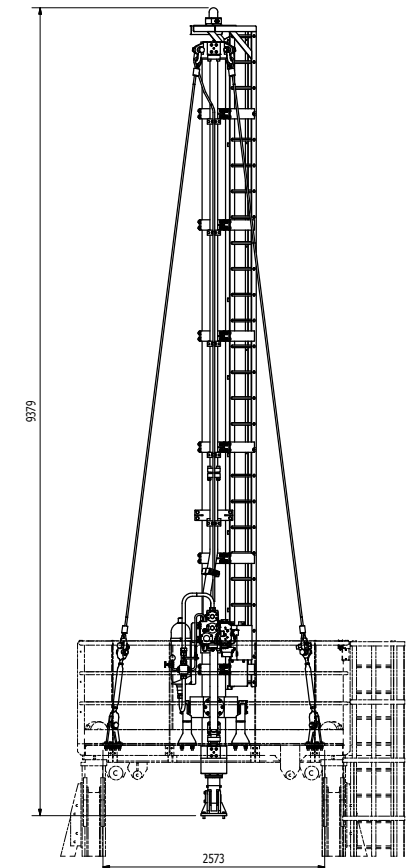
### Standard delivery includes

- Set of two (2) compensator cylinders.
- Fluid/Gas Accumulator.
- Fluid Storage Unit with pumps for installation at deck level.
- Control cabinet for installation in safe zone at deck level.
- On H2: Tilttable Crown Block
- Single PV lling (Working PV's)
- Mechanically prepared for AHC

Technical specifications			
Model	CMC-H-600-25	CMC-H-1000-25	CMC-H2-1500-25
Crown block capacity, static	1,500 Kips	2,000 Kips	2,800-3,200 Kips
Compensator capacity, dynamic	600 Kips	1,000 Kips	1,500 Kips
Compensator stroke	25 ft	25 ft	25 ft
Crown block sheave configuration	6 x 72"	6 x 72"	7 x 78" / 8 x 78"
Weight (complete)	120 mT	163 mT	190 mT

## Active Heave Compensator (AHC)

Designed for position control of the CMC



### AHC cylinder is primarily used for the following purposes

- Optimization of the CMC performance during operations like landing of components onto seabed, like BOP or Christmas trees.
- Wire line logging inside well without the need for wire rigging against slip joint and required weak link.
- ADC (Auto Driller Controller) ready

### Delivery includes

- Motion Reference Unit (MRU)
- Wireline mode, Part of control system
- AHC cylinder controls and Wire Line Mode are executed by the CMC PLC controller and integrated into the CMC control cabinet.

### Optional delivery

- Standalone Hydraulic Power Unit for AHC

Technical specifications		
Model	AHC/CMC-25	AHC/CMC-35
Capacity	25 mT	35 mT
Max speed	1,22 m/s	1,22 m/s
Cylinder stroke	7,800mm / 9,070mm	7,800mm
Weight AHC complete	4.5 mT	4.7 mT