

# HEAVE CHIEF

## A quick comparison



HC750



HC1100

SAFE WORKLOAD (SWL)	750 mT	1100 mT	Up to 5000 mT
STROKE	2.5 m	3.5 m	Up to 4 m
MAX. SPEED	0.8 m/s	0.9 m/s	1.0 m/s
OPERATIONAL BATTERY LIFE	Up to 12 hours	Up to 12 hours	Up to 12 hours
RECHARGE TIME	3 hours	3 hours	3 hours
RESULTING DAF	1.05	1.05	1.05
RESIDUAL MOTION	< 7.5 cm/s	< 7.5 cm/s	< 7.5 cm/s
TOOL WEIGHT	127 mT	135 mT	10% SWL

Or choose a customized solution...

Up to 5000 mT

Up to 4 m

1.0 m/s

Up to 12 hours

3 hours

1.05

< 7.5 cm/s

10% SWL



For more information or video footage of the Heave Chief, please visit [seaqualize.com/systems/heave-chief](https://seaqualize.com/systems/heave-chief)

Want to check your subsea workability improvement?

Email us at [workability@seaqualize.com](mailto:workability@seaqualize.com) with the following input:

- Vessel RAO's or crane tip motion time series
- Basic lifting configuration / drawing
- Performance requirement (e.g. max. residual motion or velocity)
- Project location or environmental data

**SEAQUALIZE**

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**We make your waves workable**

You want your offshore lifting project to be efficient and on schedule. Seaqualize helps you to increase workability for your lifting operations, thanks to our field proven, award winning heave compensation equipment.

Resulting DAF: 1.05

Loads up to 5000mT

Proven technology:  
> 200.000mT safely transferred



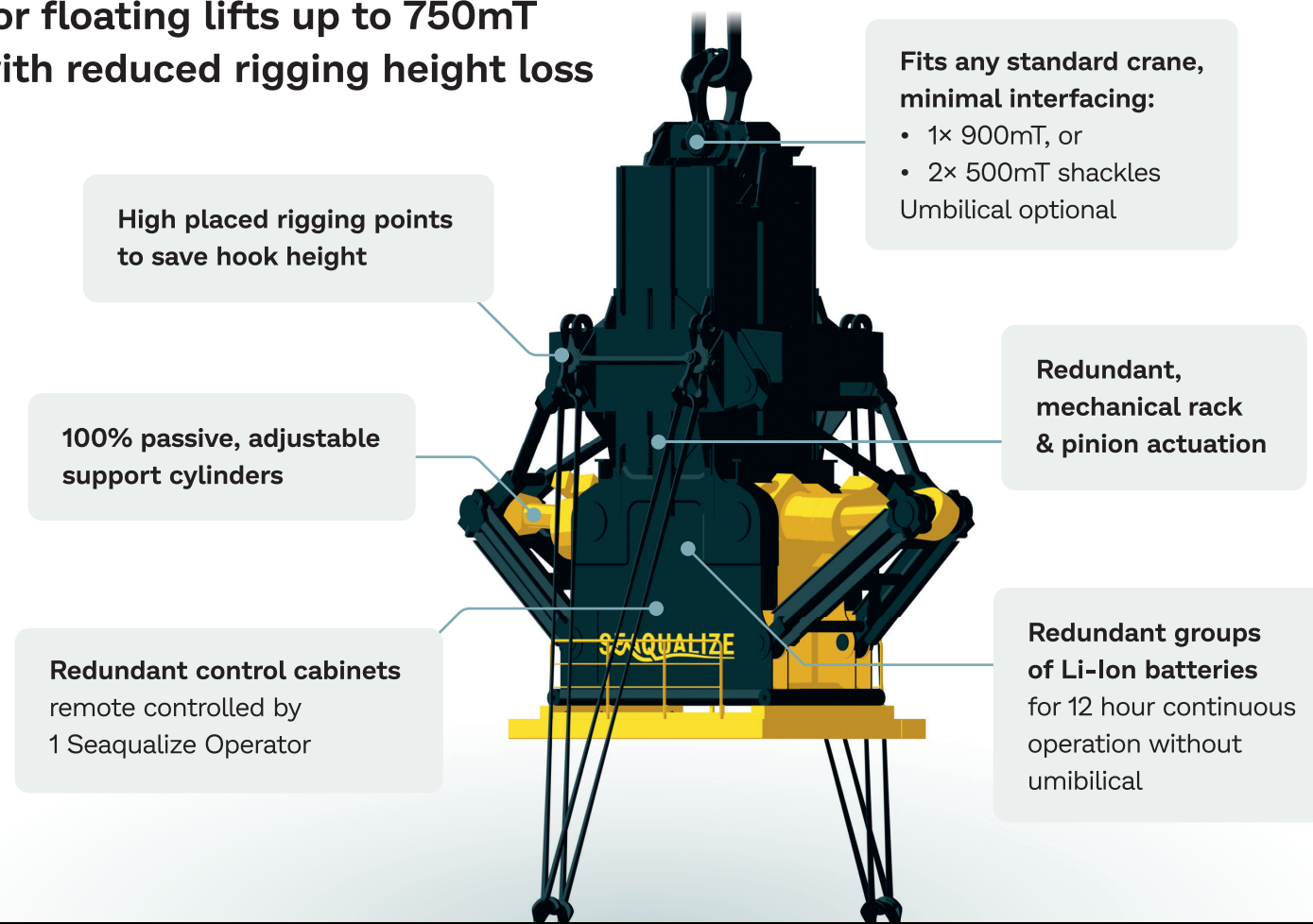
**SEAQUALIZE**

# HEAVE CHIEF

Inline  
active heave  
compensation

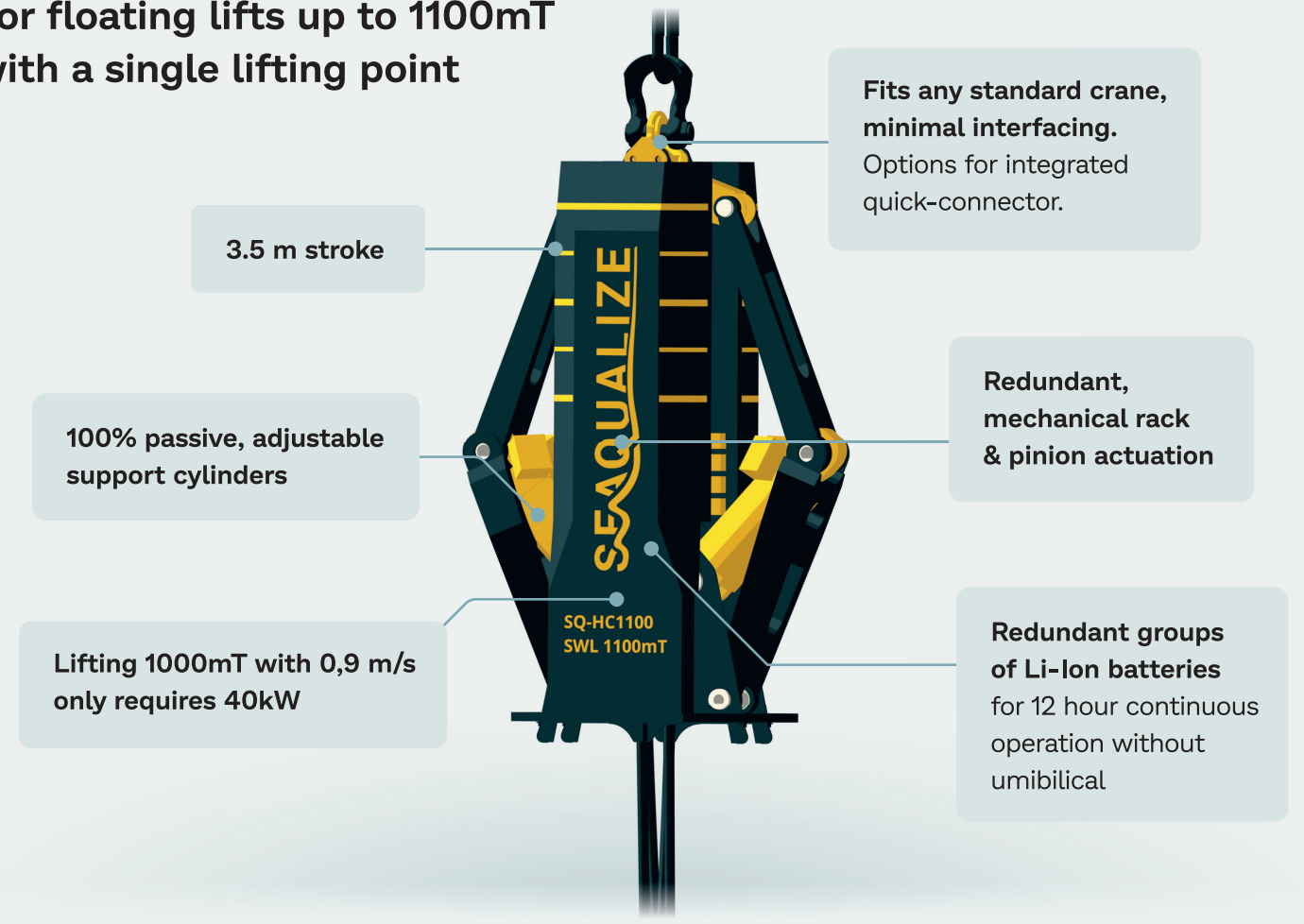
# HEAVE CHIEF 750

For floating lifts up to 750mT  
with reduced rigging height loss



# HEAVE CHIEF 1100

For floating lifts up to 1100mT  
with a single lifting point



## Floating installations

The HC keeps any load in a fixed position relative to a stationary object, even when the crane hook moves. Works in seastates up to Hs 3.0m.

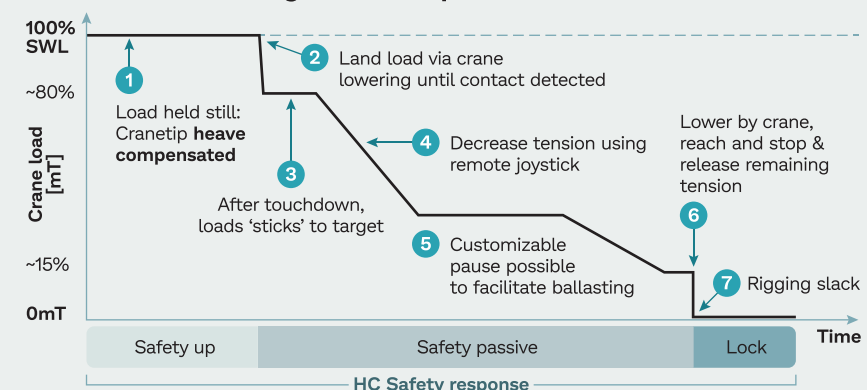
## Feeder barge lifting

The HC can fast lift delicate components from a moving vessel or barge without deck contact. All while keeping dynamic crane load (DAF) below 1.05.

## Floating to floating lifts

We can compensate both the moving crane hook, and match the motion of a moving target, for example during floating installations on turbine foundations. A small MRU container on the target sends motion data wirelessly to the Heave Chief which tracks these motions in Follow Mode.

## Heave Chief floating set down procedure



Using the Heave Chief, you can fully control the load build-up and reduction of a lift

**For a fast-lift:** we can tension the passive system to 90% before a fast lift. This ensures a DAF of 1.05 during the final acceleration to 1 m/s lift.

**For the set-down:** the load initially 'sticks' to the target. After a decision to land, the load can gradually be reduced.

## Heave Chief fast lift procedure

