



Constructor

Compact HF

KD Constructor Compact

The Constructor Compact vehicle, developed by KYSTDESIGN, is a specialized construction vehicle designed to carry and operate large tools and modules.

This compact version maintains the trusted performance and design of the original Constructor while offering a smaller and more versatile package. With its exceptional capabilities, the Constructor is well-suited for a wide range of subsea tasks, including heavy construction support, inspection, and survey operations.

The Constructor can support up to 25 additional hydraulic tooling functions, accommodate up to 15 additional survey sensors, and provide eight camera connectors for enhanced functionality.

Specifications

Constructor Compact HF

Depth Rating	3000 m
Payload	>250 kg
Power	220 hp
Dimension	2845 mm (l) x 1700 mm (w) x 1870 mm (h)
Weight	~4400 kg
Thrusters	7 x SA380
Manipulators	Optional Schilling T4, Atlas PCS V3, Atlas R, Rigmaster
Sensors	
Camera	2 x HD Subvis Orca ip 3 x CT3027 WA ip HD, 170deg 1 x Low Light Subvis ROSS, Dome
Navigation/DVL	Nemo, Subsea Navigator INS and DVL, Auto- depth/altitude, Auto heading, Atation keeping
Sonar	Sonar, Gemini 720i

Performance

Bollard Pull FWD/AFT	900 kg
Bollard Pull LATERAL	850 kg
Bollard Pull Vertical UP	800 kg
Bollard Pull Vertical DOWN	900 kg

Hydraulics

Valve Pack No. 1

10x Bi-directional Valves with proportional flow control, each with max flow 8.

Valve Pack No. 2

10x Bi-directional Valves with proportional flow control, each with max flow 8 l/min. Pressure on VP controlled by VP No. 3.

Valve Pack No. 3

2x Bi-directional Valves with proportional flow and pressure control, each with max flow 32 l/min.
2x Directional Valves with proportional flow and pressure control, each with max flow 150 l/min.

Manifolds

Pressure and return manifolds.

1x Pilot operated high flow valve with max flow 300 l/min.

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AUX system capacity 260bar, 300l/min

Power distribution 150 VDC – for V
115VAC 10A
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48 VDC 10A
24 VDC 10A
12 VDC 10A
Tooling interface max
power 115VAC 20A

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