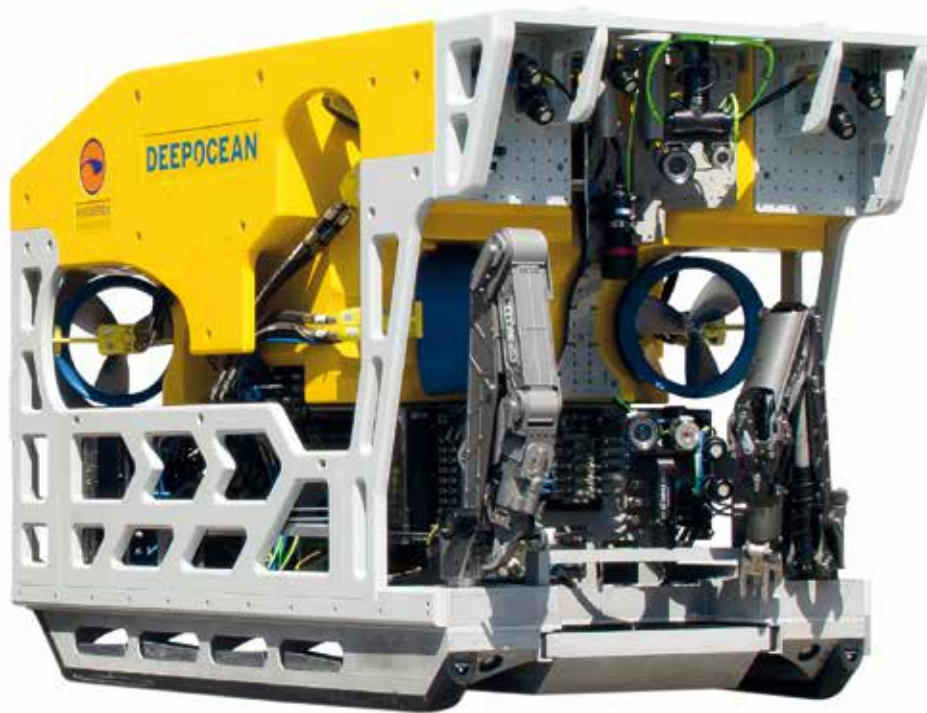


CONSTRUCTOR 220 HP

SPECIFICATION SHEET



WORK CLASS ROV

The new constructor workclass roV is designed and built to support heavy duty operations in rough weather conditions. The robust design allow working in close proximity to subsea structures at high currents with very high regularity on vehicle and the strong hydraulic auxiliary package allow for vehicle to support larger subsea tooling operations

KEY FEATURES

- THE NEW CONSTRUCTOR IS A HEAVY DUTY WORKROV DESIGNED FOR CARRYING AND OPERATING LARGE TOOLS AND MODULES.
- T160 LITRE/MINUTE HYDRAULIC AUXILIARY SUPPLY FOR LARGE TOOLING OPERATIONS.

GENERAL

DEPTH RATING	Depth rating 3000msw
POWER	Constructor 3, 4 ,5 and Constructor 6 have 220hp electric motor / 4150VAC
THRUSTERS HORIZONTAL	4 x Sub Atlantic SA-380
THRUSTERS VERTICAL	3 x Sub Atlantic SA-380
WEIGHT	4500kg with Skid and manipulators.
PAY LOAD	600kg
THROUGH FRAME LIFT	3000kg
DIMENTIONS L X W X H	3220mm x 1700mm x 2165mm

PERFORMANCE

SURFACE PERFORMANCE	
FORWARD	3,1 knots
LATERAL	1,7 knots
BOLLARD PULL	
FORWARD/AFT	800kg
LATERAL	540kg
VERTICAL UP	360kg
VERTICAL DOWN	670kg

STANDARD EQUIPMENT

1 X LOW LIGHT CAMERA
1 X NORTH SEEKING GYRO
2 X COLOUR ZOOM CAMERA
1 X 5 FUNCTION GRABBER
1 X 7 FUNCTION MANIPULATOR ARM
2 X COLOUR MINI CAMERA
1 X EMERGENCY BEACON
1 X OBSTACLE AVOIDANCE SONAR
2 X HYDRAULIC PAN & TILT
1 X HYDRAULIC TILT UNIT
10 X 250W LIGHTS, VARIABLE INTENSITY
TOOL DRAWER: MOUNTED AS STANDARD IN SKID.

ISOLATED HPU

PRESSURE	210Bar max, adjustable from pilot chairs
FLOW	105LPM@210Bar available Auxiliary System: 160 LPM@210bar available
LOW FLOW VALVES	20 x proportional flow 8l/min. Pressure and flow controlled from pilot chairs
HIGH FLOW VALVES	4 x proportional 80l/min. Pressure and flow controlled from pilot chairs
FILTERS	Pressure, Return & Water absorbing

ERGONOMIC AND FUNCTIONAL PILOT INTERFACE

INTERFACE	Touch screen Joystick & Computer controlled from pilot chairs Realtime overview system
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TELEMETRY AND SENSORS CAPACITY

SERIAL CONNECTIONS	36 channels, 115bps
ETHERNET	Gbit
VIDEO	Interface for 8cameras Interface for digital photo camera
HD VIDEO	Optional
GYRO	FOG is standard / INS is optional
ALTIMETER	Standard
DEPTH SENSOR	Standard
OTHER SENSORS	Connectors: 5 x 115VAC and 4 x 24VDC
SPARE OPTICAL FIBERS	3
LIGHTING	10-250W dimmable lamp

CONTROL CONTAINER

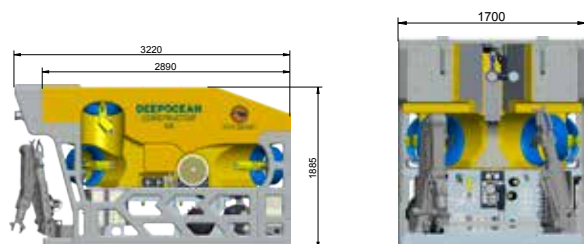
6 x 2,5m A60 Safe area Container, housing power distribution, control consoles and video suites.

WORKSHOP CONTAINER

6 x 2,5m, A60 Safe area Container, housing extensive spares, consumables, tools, manuals and test equipment.

TECHNICAL MOBIC TMS

ENVELOP DIMENSIONS	
LENGTH / WIDTH	Ø2.200mm (Lower frame)
HEIGHT	2.419mm incl. latching unit
DEPTH RATING	3.000msw
WEIGHT IN AIR	3.500kg
THROUGH FRAME LIFT (LATCH LOAD)	10.000kg
LIFTING POINT CAPACITY	12.800kg
TETHER DRUM CAPACITY	Ø35mm x 400meter
POWER SUPPLY	3kV/3ph/60Hz
TOTAL POWER HPU MOTOR	15kW



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SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE.

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