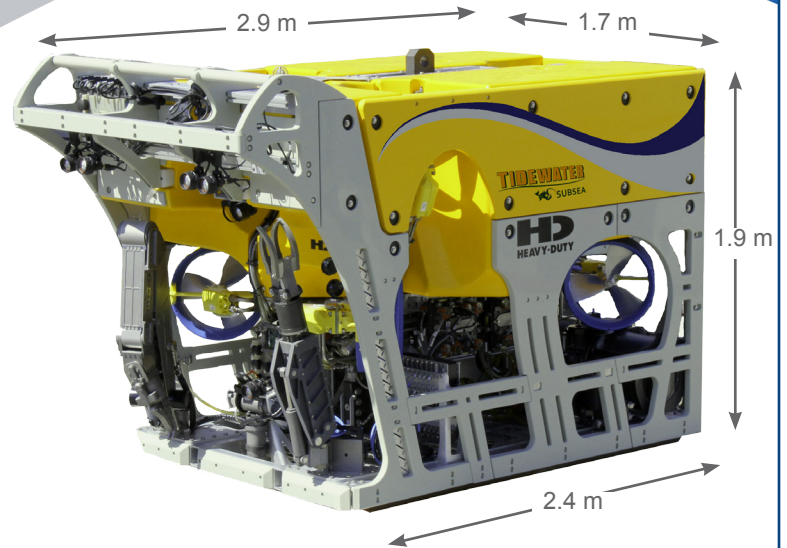


HD ROV Technical Specification



Overall

Depth Range	3,000 msw
Water Temperature Range	-5 to +32 C
Vessel Power	400 - 480 VAC 60 Hz
Frequency	60 Hz +/-0.5%

Vehicle

HPU	150 shp
Dimensions	2.9 m x 1.7 m x 1.9 m
Through-Frame Lift	3,000 kg
Safe Working Load	6,700 kg
Weight in Air	3,600 Kg
Manipulators	TITAN 4 seven-function (Schilling) RigMaster Five-function grabber
Payload	250 kg
Thrust (Forward/Aft/Lateral)	900 kgf
Thrust (Vertical-up/Down)	850 kgf
Low Light Camera	Insite-Mercury
Color Zoom Camera	Insite-Pegasus
Docking Camera	Insite-Aurora
Dept/Heading Sensor	CDL INSense2
Doppler	RDI-Navigator 1200 KH
Strobe	Novatech-ST400AR
Sonar	Tritech-DFS
Lights	120 VAC MV-LED (ROS) 120 VAC QLED (ROS)

Hydraulic System

MAIN SYSTEM PUMP

Main Pump	Linde - 135 cc
Nominal Operating Pressure	207 Bar - 3,000 psi
System Flow, at 3,000 psi	216 lpm / 57 gpm
Maximum Pressure	275 bar / 4,000 psi

TOOLING VALVE PACK

Proportional High Flow (1)	78 LPM max at 3,000 psi
NG6 Proportional (2)	32 LPM at 3,000 psi
NG3 Proportional (8)	8 LPM at 3,000 psi

AUXILIARY TOOLING INTERFACE

Aux Pump	Rexroth - 45 cc
Maximum Operating Pressure	78 L at 3,000 psi

Tether Management System

Type	Top Hat
Length	425 or 850 m
Color Zoom Camera (2)	Insite-Pegasus
Color Camera (2)	Insite-Aurora

Optional length of 1600 m