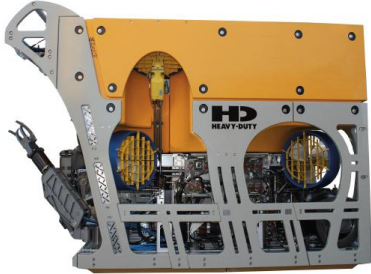


TECHNICAL SPECIFICATION

SCHILLING ROBOTICS HD WORK CLASS ROV SYSTEM



ROVOP

KNOWLEDGE IN DEPTH

SCHILLING ROBOTICS HD WORK CLASS ROV SYSTEM

MODEL

Schilling Robotics HD Work Class

MANUFACTURER

Schilling Robotics

PERFORMANCE, PEAK THRUST

Forward/Aft/Lateral 900kgf

Vertical – Up/Down 850kgf

SPECIFICATIONS

ROV & TMS Depth Rating	3000msw
Length at base	2400mm
Width	1700mm
Height	1900mm
Payload	200kgs
Through-Frame Lift	3000kg
Weight In Air	3500kg
TMS Tether Length	425 & 850m Options

EQUIPMENT FIT

Manipulators	Schilling T4 7F + Rigmaster 5F Grabber or Atlas 7F Rate Controlled Manip options	
Low Light Camera	(Most subsea SD cameras can be fitted, PAL or NTSC supported. Full HD video supported via 3 rd party mux)	
Colour Zoom Camera		
Colour fixed focus camera		
Docking Camera		
Depth Sensor	Paroscientific Digiquartz or equivalent	
Heading & Dynamic Motion Sensor	Fibre Optic Gyroscope	
DVL	Doppler Velocity Log	
Strobe	Self-contained submersible xenon flasher	
Sonar	Dual Frequency mechanical scanning sonar	
Lighting (8)	Range of DC and AC Fully Dimmable Lighting	
Pan and Tilt (2)	Schilling Electric Programmable	
Manipulator Valve Pack	Schilling	8 Function
Auxiliary Valve Pack	Schilling	9 Function

PROPULSION

HPU	150shp	112kW
Main Pump	Eaton	135cc
Nominal Operating Pressure	207Bar	3,000psi
Max Operating Pressure	275Bar	4,000psi
Thrusters	Sub Atlantic	SA380-40x7
System Flow, at 3,000psi	216LPM	57GPM

HYDRAULICS – AUXILIARY CIRCUIT

Auxiliary Pump	Rexroth A10VSO	45cc
Nominal Operating Pressure	207Bar	3,000psi
Max Operating Pressure	275Bar	4,000psi
Maximum Flow, at 3,000psi	72LPM	19 US GPM
Spare Functions		11

SYSTEM POWER REQUIREMENTS

440VAC, 3 Phase, 60Hz Vessel Supply

Specifications may vary between systems – exact details are available on request

Key performance figures include Station Keep Dynamic positioning capability as standard, tightly integrated with accurate power management and thruster feedback. The integrated modular design philosophy enables rapid maintenance in the field, with change out of key modules of the HPU and power supplies possible in under one hour.