

TECHNICAL SPECIFICATION

# SCHILLING ROBOTICS UHDIII WORK CLASS ROV



# ROVOP

KNOWLEDGE IN DEPTH

# SCHILLING ROBOTICS UHDIII WORK CLASS ROV

## MODEL

Schilling Robotics UHD Work Class

## MANUFACTURER

Schilling Robotics

## PERFORMANCE, PEAK THRUST

Forward/Aft/Lateral 1,200 kgf

Vertical – Up/Down 1,000 kgf

## SPECIFICATIONS

Depth rating	3,000msw
Length	3500mm
Width	1,900mm
Height	2,100mm
Payload	600kgs
ROV Lift Point SWL	6,700kg
Through-Frame Lift	3,500kg
Weight In Air	3,500kg
Vertical DAF	3.0
Horizontal DAF	1.0
(DAF – Dynamic Amplification Factor)	

## EQUIPMENT FIT

Manipulators	Schilling T4 7F and Rigmaster 5F	
Low Light Camera	Bowtech	Explorer
Color Zoom Camera	Bowtech	Surveyor II
Docking Camera	Bowtech	L3C-720
Depth Sensor	Digiquartz	8000B – 1
Heading & Dynamic Motion Sensor	CDL	Fibre Optic Gyro
Doppler	RDI	Navigator 1200kHz
Strobe	Novatech	ST400 AR
Sonar	Tritech	DST
Lights (8)	ROS	L300 AC dimmable
Pan and Tilt (2)	Schilling	Electric Programmable
Manip Valve Pack	Schilling	8 Station – 8 fitted
Tooling Valve Pack	Schilling	12 Station – 6 fitted

## PROPULSION

HPU	250shp	186kW
Main Pumps x 2	Eaton	135cc
Nominal Operating Pressure	207Bar	3,000psi
Max Operating Pressure	275Bar	4,000psi
Thrusters	Sub Atlantic	SA420-61 x7
System Flow, at 3,000psi (2 pumps)	432LPM	114GPM

## HYDRAULICS – AUXILIARY CIRCUIT (ISOL-8 PUMP)

Auxiliary Pump	Schilling	ISOL-8 (4 station)
Nominal Operating Pressure	207Bar	3,000psi
Nominal Flow, at 3,000psi	110LPM	30 US GPM

## SYSTEM POWER REQUIREMENTS

800KVA 3-Phase 440V / 60Hz

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. The open frame design provides significant free deck space within the ROV envelope, and the increased payload of approx. 600kgs means that the UHDIII is a very versatile and capable platform.