



PHAROS

OFFSHORE GROUP

SPECIFICATION SHEET FOR
UTV400 JET TRENCHER

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GENERAL	
Operating Depth	5-2,500m or 0-20m Surface Fed Option
Dimensions	L 4.3 x W 3.2 x H 2.8m Free Fly Mode L 4.3 x W 3.7 x H 2.65m Tracked Mode
Weight in Air	8,000kg Free Fly Mode 9,200kg Tracked Mode
Weight Submerged	50kg Buoyant Free Fly Mode 750kg Heavy Tracked Mode
Max Bollard Pull	1,000 kg
Thrust Capabilities	1.5kt in any vector
Vehicle Power	1 x 300kW electro-hydraulic power pack 3.3kV 4 pole 1760 rpm

TECHNICAL EQUIPMENT	
Manipulators	2 x 7 function Conan manipulators
Transponders/ Responders	1 x Responder (Trigger and Power) 1 x Transponder (Power)
OA Sonar	Kongsberg 1071 Sonar / MS1000
Depth Sensor	Digi Quartz depth sensor
Gyro	Watson Industries solid state gyro
Altitude	0-30m Altimeter
Cameras	5 x Cameras
Lighting	7 x Lamps
Pan and Tilts	Sub Atlantic 0058-MAF Pan & Tilts Sub Atlantic 0245-MAF Tilt Rotator



UTV400 DETAILS	
Pressure Transducers	4 x System Pressure 3 x Water Pressure 1 x Ambient Pressure
Linear Transducers	Oil Reservoir Volume 1 x Jetting Tool Depth 1 x Manipulator (optional) 1 x Jet Leg Separation
Water Ingress	1 x Oil Reservoir 6 x Valve Tanks 4 x Electrical Junction Boxes 2 x Electronics Pod
Cable Detection	2 x Proximity Sensors (Target acquisition arm mounted)
Configuration	Twin articulated jet legs
Water Pump	3 x variable speed, hydraulically driven, single stage water pumps Single up to 4 bar Water Pump (67kW) Twin up to 8 bar Water Pump (67kW each) 6,000LPM/ pump 15,000LPM Maximum
Power Consumption	100– 200kW
Burial Tool Control	Tool Width 0.25—0.55m Tool Depth 0 - full depth (tool dependent) 1.0/1.5 & 2.0m tools available
Trench Capability	2m depth soil dependent 100kPa maximum @ 1m Maximum inclination angle 10°

OPTIONAL	
Bathymetric System	Doppler Velocity Log
Dual Profilers	Internal Navigation System
Fiber Optic Gyro	TSS 440/350 Tracking System
Cable cutter/gripper	3m Burial Tool
Forward mounted pre-cut tool	Target Acquisition Arm (1m)
Depressor 0—1m	



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Revisions

Revision Number	Release Notes
1.0	First Release
2.0	Full Reformat