

WBNMS

Specifications
Sheet

ROV Trencher
107-1100



ROV Trencher 107-1100

General Jetting

Name	ROV Trencher 107-1100
Year built	2015

ROV Specification General

Power	820 kW/ 1100 HP 2 x 110 kW Hydraulic power
Jetting pumps	2 x 300 kW Jetting power frequency driven
Operating depth	50 m (1500 m option)
Length	3.94 m
Width	6.24 m
Height	2.63 m
Ground clearance	0.63 m
Weight in air	9200 kg
Weight in water	3700kg
Min. soil bearing thrusters	3.5 kPa – in tracked mode Lateral 4 x 230 kgf. Total 920
Horizontal thrusters	2 x 850 kgf. Total 1700
Tracks	2 each 4 x 0.6m soft rubber track
Tracked speed	50 – 1000 m/hr Roll /
Pitch capability	+/- 25 ⁰ Gradient
Roll capability	+/- 30 ⁰
Operational Current	2 kn

Lars/Deck Transfer System

Type	Dynacon 521XL lifting winch
Cable capacity	2500 m
Umbilical diameter	38 mm Umbilical
weight in air	4400 Kg/ Km
Umbilical weight in water	3400 Kg/ Km
Min. break strength	500 kN
Min. bend radius	600 mm

Eductor Aft Jetting Tool

Type	Twin legged, venture
Trench depth	0–2,3m

Jetting

Soil strength	Up to 110 kPa
Trenching speed	100 – 600 m/h*
Sword configuration	Single/ Twin, 2 linked 0 - 2,3 m;
Water supply	2 x 300 kW
Jetting Pressure	8 – 17 Bar
Backwash Pressure	5 – 10 Bar
Jetting Flow	200 – 550 m3/h
Backwash Flow	800 – 1200 m3/h
Product diameter	<630 mm

*Trenching speed is a function of soil conditions and burial depth requirement, vs. possible requirement of multi-pass.

Surveillance /Aux. Equipment

Cameras	4 x LUXUS compact CCD
Lights	8 x Bowtech LED-K 3200
Pan & Tilt	2 x OceanTool electrical 0-330° Pan range, 0-220° Tilt range.
Sonars	1 x Kongsberg MS-1171 2 x BlueView M900-130 Pan & Tilt mounted, For and Aft
Cable Tracking	TSS 440 TSS 350 DOBI – CTO Incorporated in sword
Fiber optic gyro and motion	iXBlue Octans 3000 Depth/Altimeter Valeport VA500P 100 m
Current meter positioning	Valeport 803 Electromagnetic Acoustic Responder / Transponder
Doppler Vel. Log	RDI WorkHorse

Containers

Control cabin	1 x ISO 20' high cube
Power	1 x ISO 20' high cube
Workshop	1 x ISO 20'
Storage	1 x ISO 20'
Storage	1 x ISO 20' half height

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