



DATA SHEET

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KEY FEATURES

- Proven and cost-effective.
- Part of integrated trenching spread.
- Variable output for flexibility and high precision.
- Entire equipment spread with 20ft container.
- Suitable for a range of soils.
- Non-invasive methodology.

CARRERA 4

SEABED CLEARANCE, ROUTE PREPARATION, & REMEDIAL PROTECTION

Carrera 4 is a multi-functional controlled flow excavation tool enabling cost effective seabed clearance, route preparation, and remedial protection in areas that are otherwise difficult to access with conventional trenching equipment.

Fitted with a host of surveillance and positioning equipment which provides operators with live feedback and visibility of trenching progress.

The asset is a key component in Enshore's integrated trenching spread and supports a powerful fleet of trenching assets in a range of soils, including sand, gravel, silt, mud, and clay. Carrera 4 is ideal for working in close proximity to offshore structures. The tool width is adjustable to accommodate variable target areas and operates variable output modes with full positional control to provide flexibility and increased precision.

CARRERA 4

PARTICULARS

Max. Operating Depth	100m
Trench Width	2 - 4.3m (Single-pass - With the tool deployed up to 4m above its target)
Length (Tool)	2.2m
Width (Tool)	1.4m
Height (Tool)	2.32m
Atmospheric Temperature	-10°C / +40°C
Water Temperature	-4°C / +32°C
Heading Deviation of Tool and Vessel	+/- 45 degrees (Tool can be rotated 90° to LARS)

VEHICLE POWER

Electrical Installed Power	2 x 132kW
Maximum Continuous Power Required	440V, 60 Hz, 3 Phase, 400kVA

WEIGHT

Tool (In Air)	6500kg (Adjustable width and distributed using ballast)
Total (including LARS)	Approximately 29.55te

SOIL TYPE

Suitable for a range of soil types, including sands and clay.

MODES

	CUTTING MODE	BLOWING MODE
Flow Rates	2 x 1m ³ /s water with a velocity of 14 m/s	2 x 5 m ³ /s water with a velocity of 7 m/s
Production	600 - 1000 m ³ /hour	600 - 1000 m ³ /hour
Soils	Soft to Medium Stiff Clay	Soft Soil and Sand

SURVEILLANCE EQUIPMENT

Low-light Camera
Dimmable Lamp
2 x Profiler
OA SeaKing Sonar
Bathy + Altimeter
Gemini Sonar (VDSL)
Aris (Optional)

SPECIAL FEATURES

Built-in kiosk operator control system
LARS control
Survey and data acquisition system
Thermally insulated and provided with illumination, heating and air-conditioning

CONTAINER

Footprint of a 20ft container with a transport height of approximately 3.5m and a working height of approximately 4.5m when operational. Designed for ease of transport and installation

LARS

Max. Pulling Force at Winch	80kN
Max. Hoisting Speed	20m/min
Umbilical Winch	Constant Tension Mode available.