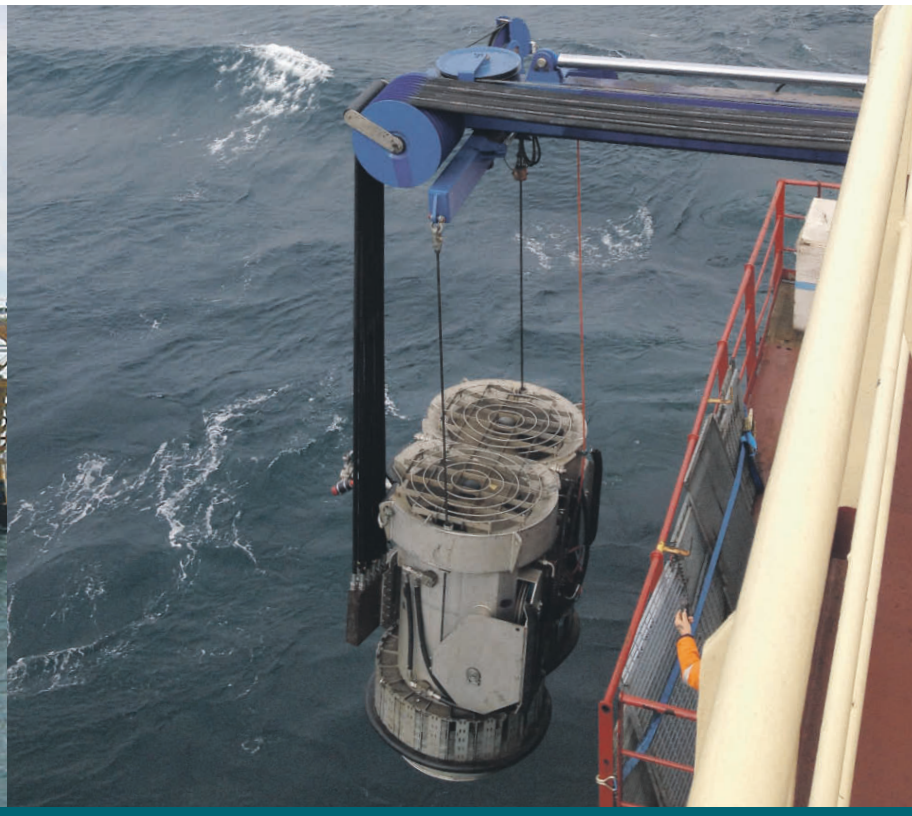
DEEPOCEAN

CARRERA 4

SPECIFICATION SHEET



MULTIPURPOSE JET EXCAVATION SYSTEM

The Carrera 4 is a multi-purpose excavation tool, ideally suited for accurate trenching, (de)burial, stabilisation and/or excavation of seabed materials. It can perform in a range of soils including clays and sands, whilst the width of the tool is adjustable so that the trench width can be varied during operation.

Variable output modes with full positional control provide flexibility and high precision, making the Carrera 4 an ideal tool for trenching or excavation works at cable-end locations which are in close proximity to offshore turbine/platform structures.

Due to its non-invasive methodology, the tool can be used as an ALARP risk mitigation measure to trench cables where extensive debris or hazardous materials prevent the effective use of jet-trenching methods.

In addition to trenching, the tool can provide cleaning of pipelines and offshore structures, through the removal of scour protection and overburden from pipelines. The Carrera 4 removes sandbags and other stabilisation material efficiently and cost effectively, and can also be utilised for both 'spot' or volume cleaning and excavation.

KEY FEATURES

- VARIABLE OUTPUT
- SUITABLE FOR A RANGE OF SOILS
- ADJUSTABLE TRENCH WIDTH
- COST-EFFECTIVE
- HIGH SPEED LAUNCH AND RECOVERY SYSTEM (LARS)
- ENTIRE EQUIPMENT SPREAD WITHIN A 20' CONTAINER

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The Carrera 4 is not limited to these parameters and can be modified by DeepOcean to complete workscopes in excess of its current configuration.

PARTICULARS

MAX. OPERATING DEPTH	100m
LENGTH	2.2m
WIDTH	1.4m
HEIGHT	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 155kW (354 HP)
REQUIRED POWER SUPPLY	440V, 3 phase, 60Hz @ 400 kVA

WEIGHT

IN AIR	6500kg (Adjustable using ballast)
TOTAL (INCLUDING LARS)	Approximately 28Te

SOIL TYPE

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

CUTTING MODE

FLOW RATE	0-2 m^3/s water with a velocity of 14 m/s
TOTAL	Between 600 to 1000m^3/hour
SOILS	Soft to medium clay

BLOWING MODE

FLOW RATE	0-10 m^3/s water with a velocity of 7 m/s
TOTAL	Between 600 to 1000m^3/hour
SOILS	Soft soil and sand

SURVEILLANCE EQUIPMENT

Profiler

Low light camera

250W of variable lighting

Depth sensor

SPECIAL FEATURES

Operator control system unit controls

LARS controls

Survey and data acquisition system

Thermally insulated and provided with illumination, heating and air-conditioning

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

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