

# DEKKER DREDGERS



## Multicat / Horizon

Our Multicats are robust, effective and equipped with our C-star MaPoS\_DGPS system and connected to C-star OMS for ease of operation, the highest possible efficiency and straight forward control.



The Dekker Multicat is a complete workboat, based on thoroughly tested, up-to-date designs and built from high quality standardised components. The Dekker Multicats are standard, multi-purpose work vessels. These compact vessels can tackle an exceptionally wide range of tasks. The design includes an ergonomic wheelhouse providing 360 degrees visibility. All communication and navigation equipment is within direct reach of the operator.

### Dimensions

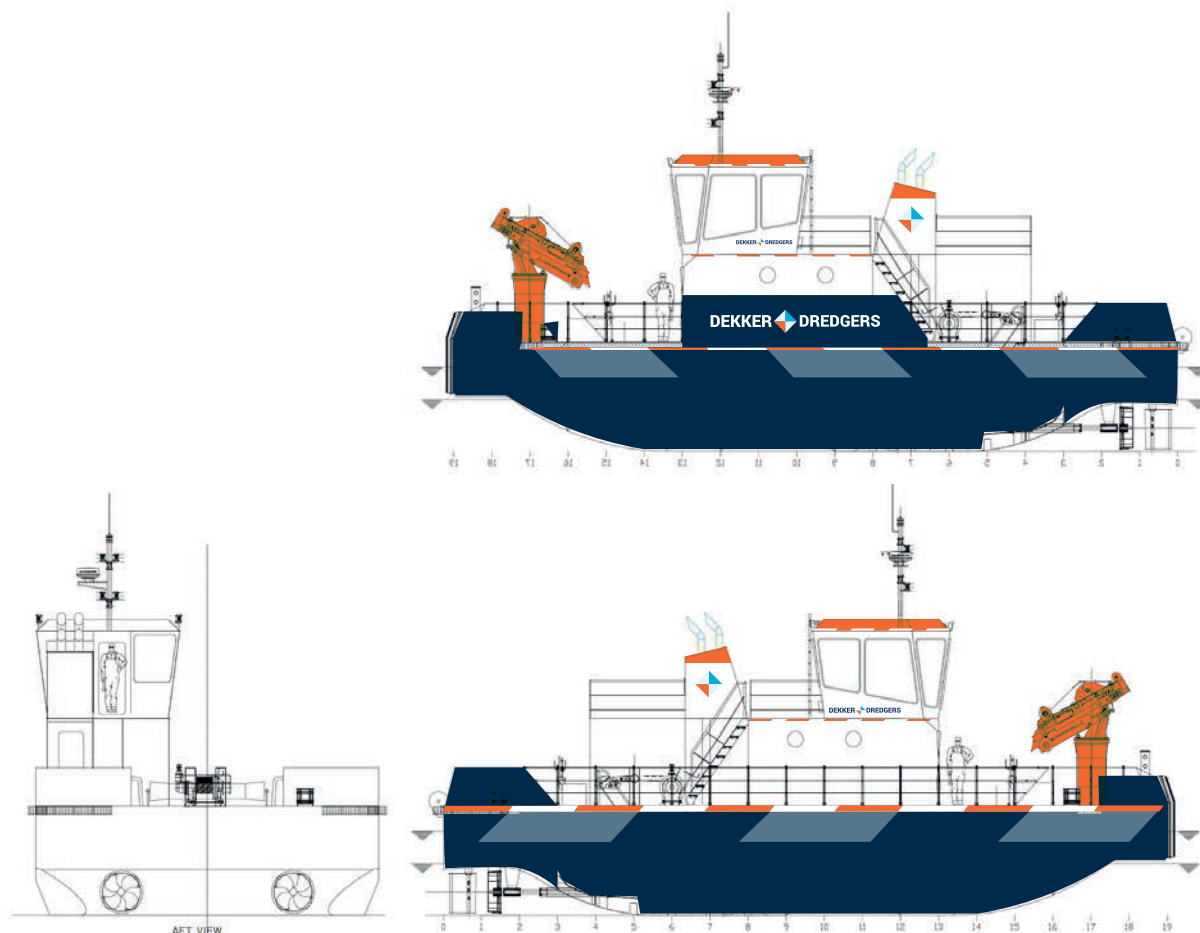
Length o.a.	19.05 m
Beam o.a.	8.06 m
Depth at sides	2.75 m
Draught Aft (approx)	2.50 m
Scantlings	Hull plating 10mm Sheerstrake 30mm Deck plating 10mm

### Performances

Bollard pull ahead	13.7 ton
Speed	9.2 knots

### Propulsion System

Main engines	2x Caterpillar C18 TA/B
Total power	894 bkW (1200 bhp) at 1800 rpm
Gearboxes	2x Reintjes WAF 264L, 4.5:1
Propellers	2x Kaplan II fixed pitch propellers
Nozzles	2x 1350 mm Van de Giessen optima" with st.st. innerring
Steering gear	Powered hydraulic 2x 45° with rudder indicator



### Classification

Lloyds register ✕ 100 A1

Harbour, Towing, bouy laying and light tender ✕ LMC UMS

### General

Basic Functions

Towing, pushing, anchor handling dredging support

Painting

Epoxy paint system

### Deck Lay-out

Anchor with Chain

Pool HHP type, 1x 225 kg and 1x 48 kg

Deck Crane

Hydraulic Heila HLRM 140-3S

Lifting capacity 10 ton @ 12 m

Ø Hydraulic winch, 5 ton hoisting capacity (optional)

Ø Towing Bollard

Anchor Handling Winch

15 ton at 5 m/min

### Accommodation

Wheelhouse, day-room / pantry and sanitary space. Below main deck at starboard a workshop/store. Port side Ø crew cabin with air-conditioning.

**Tank capacities**

Fuel oil	7.5 m3
Fresh water	1.1 m3
Lubrication oil	0.8 m3
Dirty oil	0.9 m3
Bilge water	0.8 m3
Sewage	0.9 m3
Fresh water ballast aft	12.9 m3
Fresh water ballast front	9.0 m3
Ø Fuel oil	46.6 m3
Ø Fresh water	14.8 m3

**Auxiliary Equipment**

Generator Set	Caterpillar C4.4 NA, 47 kVA, 230/400 V, 50 Hz
Hydraulic System	Main engine driven hydraulic pumps
Alarm System	Engines, gearboxes + bilge alarm
Bilge pump /GS Pump	2x Sterling VWSI 5013 , 24 m3/hr at 10 m.w.g., electrically driven
Freshwater System	Electrical pressure set and sewage pump
Ø F.W. Transfer Pump	Sterling AKHK 5101, 20 m3/hr at 14 m.w.g.
Ø F.O. Transfer Pump	Sterling AKHK 5101, 20 m3/hr at 14 m.w.g.

**Nautical and Communication Equipment**

Searchlight	Pesch 500 W 24V
Radar System	Furuno FR 8062
Compass	Magnetic Kotter type
GPS	Furuno GP-32
Echo Sounder	Furuno LS-6100
VHF	Sailor 6248 or Ø 2x Sailor 6222
Ø Hand held VHF	2x Furuno TR 20
Ø Autopilot	Simrad AP50
Intercom	6 stations
Ø Navtex	Furuno NX-700
Ø EPIRB	Jotron, Tron-40S
Ø SART	Jotron, Tron Sart
Ø AIS	Furuno FA-150

# DEKKER DREDGERS

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