Ocean Energy

Versatile twin screw 20t bollard pull Multicat with full Dynamic Position (DP1) capability.
Complete with fore and aft deck cranes, main and tugger winches, bow roller and bow thruster

General

Yard number	571827 (Damen Shipyards Hardinxveld)
Basic functions	Anchor handling, dredger service, supply, towing, hose handling and survey
Classification	Bureau Veritas; I Hull • MACH Tug Unrestricted navigation AUT-UMS, DYNAPOS AM/AT (DP1)
National Authorities	MCA CAT 1
Emission regulations	IMO tier II certified
Flag	United Kingdom
Owner	Atlantic towage & Marine LTD.

Dimensions

Length overall	23.36 m
Beam overall (Incl. fenders)	9.55 m
Beam moulded	9.00 m
Depth moulded	3.20 m Deadweight
Draft maximum	2.30 m 130 ton
Deck area	100 m2
Deck load	10 t/m2

PROPULSION SYSTEM

Main engines	2x Volvo Penta D16
Total Power	1102 bkW at 1800 rpm
Gearboxes	2x Twin Disc MGX 5170 DC 5,95 : 1
Propulsion	2x Promarin fixed pitch propellers
Propeller diameter	2x 1500 mm in Optima nozzle
Bow thruster	1x 90 ekW, electrical driven

Auxiliary Equipment

Generator sets	2x Volvo Penta D7, 90 ekW, 50 Hz
Hydraulic power	2x 55 kW
Transfer pump fuel oil	1x Azcue CA50/7A, 30m3/hr @ 3,2 Bar
Transfer pump TW	1x Azcue CA50/7A, 30m3/hr @ 3,2 Bar
Fuel oil separator	1x Facet MV-11-AG, 1000
After treatment system	Damen Marine systems (Tier III prepared)
Cooling system	Boxcoolers

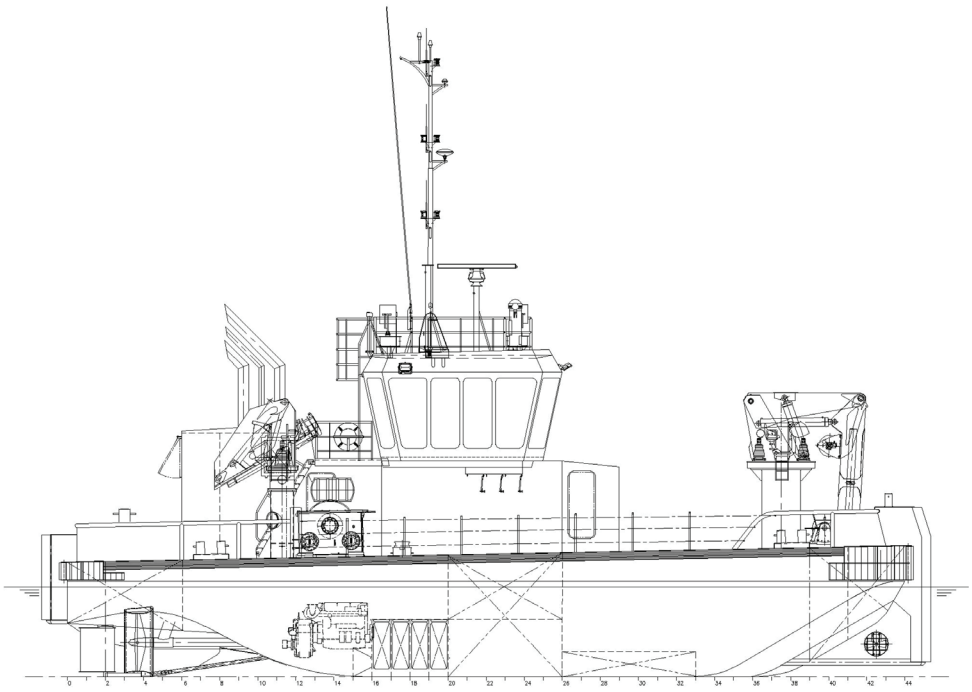
DECK LAY-OUT

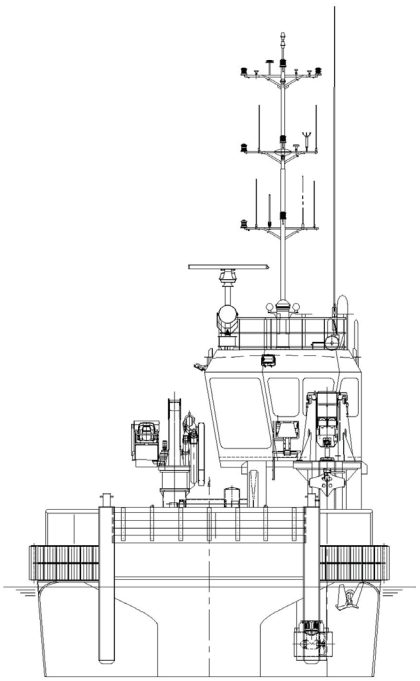
Anchor	2x 225 kg HHP, 1 stored
Anchor winch	1x Hydraulically driven, Kraaijeveld KAB-1-H-17.5D
Deckcrane fore	HS Marine AKC 185 HE4, 7.7 T @ 15.0 m / 18.7 T @ 7.0 m
Deckcrane aft	S Marine AK34, 4.5 T @ 5.2 m / 1.4 T @ 13.4 m
Anchor handling	1x Tecnospirit,
Towing winch	single split drum
Capacities	50 ton @ 10 m/min pulling force 1st layer 15 ton @ 30 m/min pulling force 1st layer 60 ton brake holding force 1st layer
Wire capacity	32 mm x 528 m
Bowroller	950 mm, SWL 50 ton
Tugger winch	1x Tecnospirit, 12 ton @ 20 m/min

PERFORMANCES

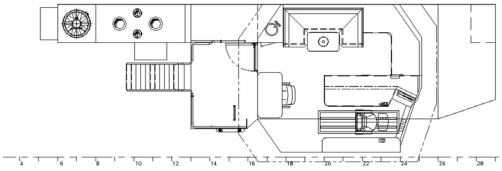
Bollard pull	20.0 t
Speed	9.0 kn

Tel: +353 (0)86 8595701 Email: info@atlantictowage.com **www.AtlanticTowage.com**

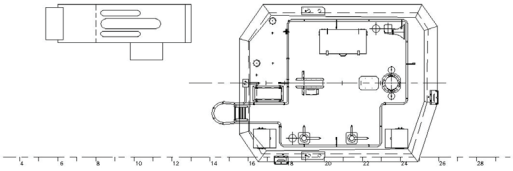




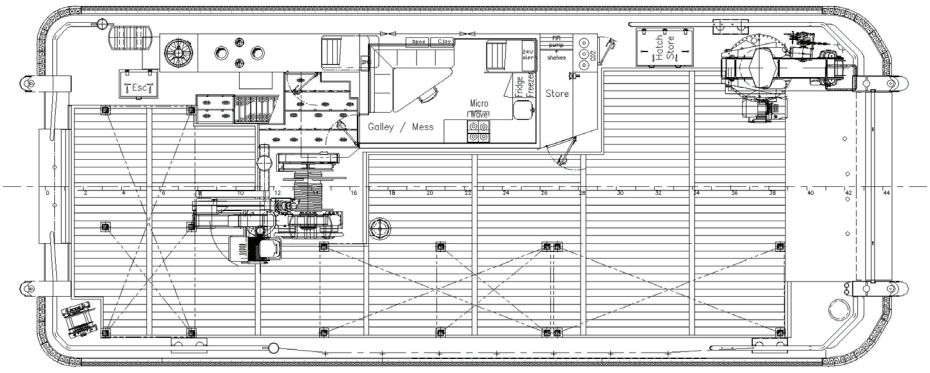
Bridgedeck



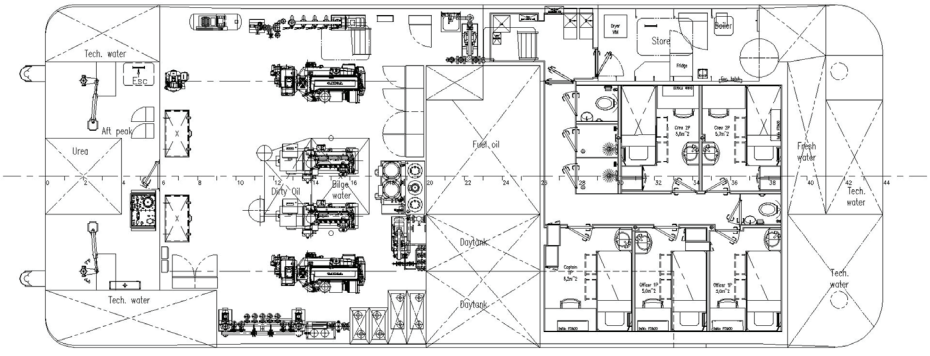
Topdeck



Maindeck



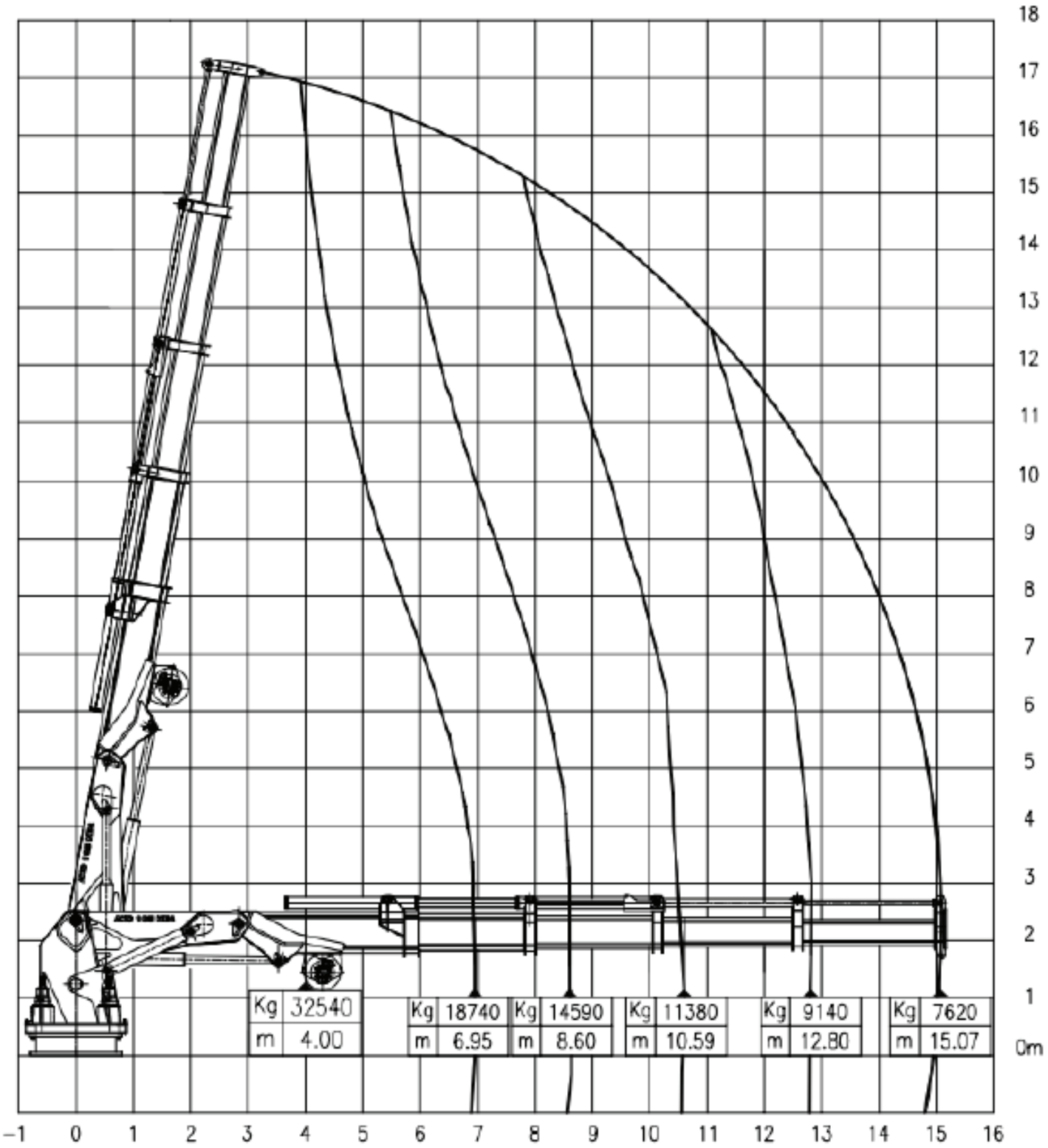
Below Maindeck



Load chart hydraulic crane : HS Marine AKC185 HE4 in harbour conditions.

WORKING DIAGRAM with HOOK
(Max.permitted heel/trim 6°/3°)

HS.Marine



Marine Crane type AKC 185 HE4

Crane built and designed in according to DIN 15018 Class H1–B3