



EQUIPMENT SHEET

BOKA OCEAN
CABLE LAY VESSEL



CONSTRUCTION / CLASSIFICATION

Built by	Metalships & Docks, Vigo, Spain
Year of construction	2009
Classification	IHS HULL MACH Special service - Construction Support vessel SP 120, Unrestricted navigation, IHS AUTUMS, IHS SYSNEQ-OSV, CLEANSHIP, HEL, IHS DYNAPOS AM/AT R
Flag	Bahamas
Port of registry	Nassau

FEATURES

Accommodation	118 berths, 24 x single cabins and 47 x double cabins
Client & office facilities	3 x office on 01 ACC 1 x online survey office on 04 ACC 1 x conference room on 02 ACC 1 x client office on 02 ACC
1 x briefing room/cinema on 01 ACC	Hospital 1 berth
Mess room	60 seats
Recreation room	50 seats
Conference room	12 seats
Reception room	Reception room for helideck
Recreation facilities	Gymnasium, sauna and cinema

CAPACITIES

Bunker capacity	2109.6 m ³
Other tanks for cargo	Potable water: 1,387.7 m ³ Ballast water: 6,348.5 m ³
Freshwater gen.	2 of each 24 m ³ per day

MAIN DATA

Length overall (Class)	133.60 m
Effective length incl. chute	145.95 m (end of chute to front of helideck)
Length BP	120.4 m
Beam	27.0 m at waterline
Max breadth	31.59 m at bridge wings
Draft max	6.85 m
Depth main deck	9.7 m
Deadweight	9,867 t
Main deck area	Approx. 2,400 m ²
Deck strength over all	10 t/m ²
Deck hatches	One 1.6 m x 1.8 m

PROPELLION AND MAIN SYSTEM

Propulsion	2 x Azimuth thrusters each 3,500 kW
Bow thruster	1 x RR swing up thruster 1,500 kW 2 x RR tunnel thrusters 1,500 kW each



ELECTRIC POWER GENERATION

Main generator 4 x 3,230 kW

Harbour generator Stamford 595 kW

DYNAMIC POSITIONING SYSTEM

DP System DP2 - Kongsberg K-Pos 21

Class DYNAPOS AM/AT R DPS class 2

Reference system 2 x Kongsberg HiPAP 501 System (HiPAP)
4 x DGPS
1 x Fanbeam

ERN (99, 99, 98)

MCLS - MODULAR CABLE LAY SYSTEM

Turntable capacity > 3,500 tons

Main deck tensioner 15 ton tracked IHC

Loadarm tensioner 3 ton tracked TMS

Quadrant handling 25 tons

CPS handling 3 manipulator arms

CPS storage Equal to 20x 20' ISO container

DECK EQUIPMENT

Midship crane MacGregor 3568 Offshore Knuckle Jib AHC Crane
100 t @ 15 m, 10 t @ 34 m
500 m wire

Aft. crane MacGregor 3568 Offshore Knuckle Jib AHC Crane
100 t @ 15 m, 10 t @ 34 m
500 m wire

Provision crane 2 x cranes with SWL 2 t @ 12 m

Moonpool Not present

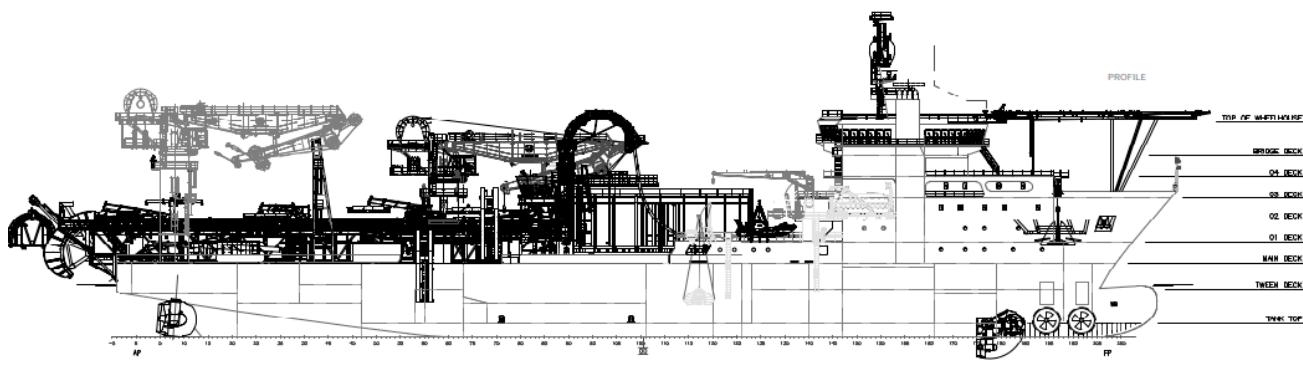
Mooring winch 2 x 10 t

HELIDECK

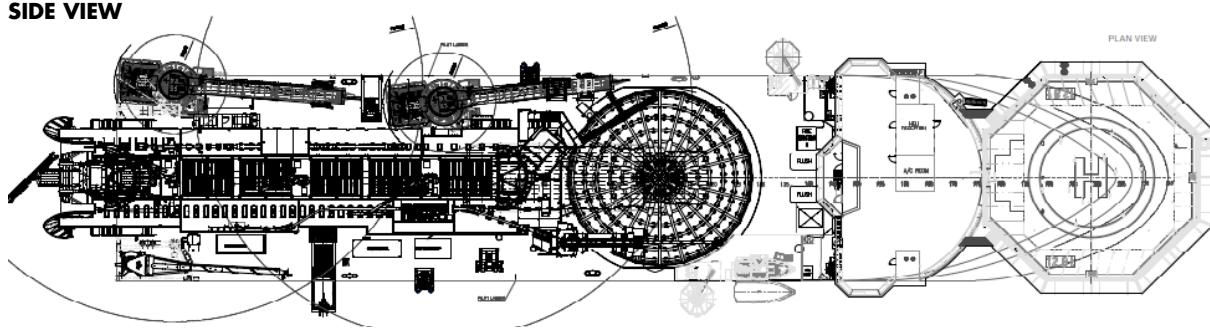
Size D = 20.88 M; t = 12.8 t;
Norway 1.25 d; "Dh" = 26.1 m

ROV SYSTEM

ROV 1 x WROV Fugro FCV600 125 hp



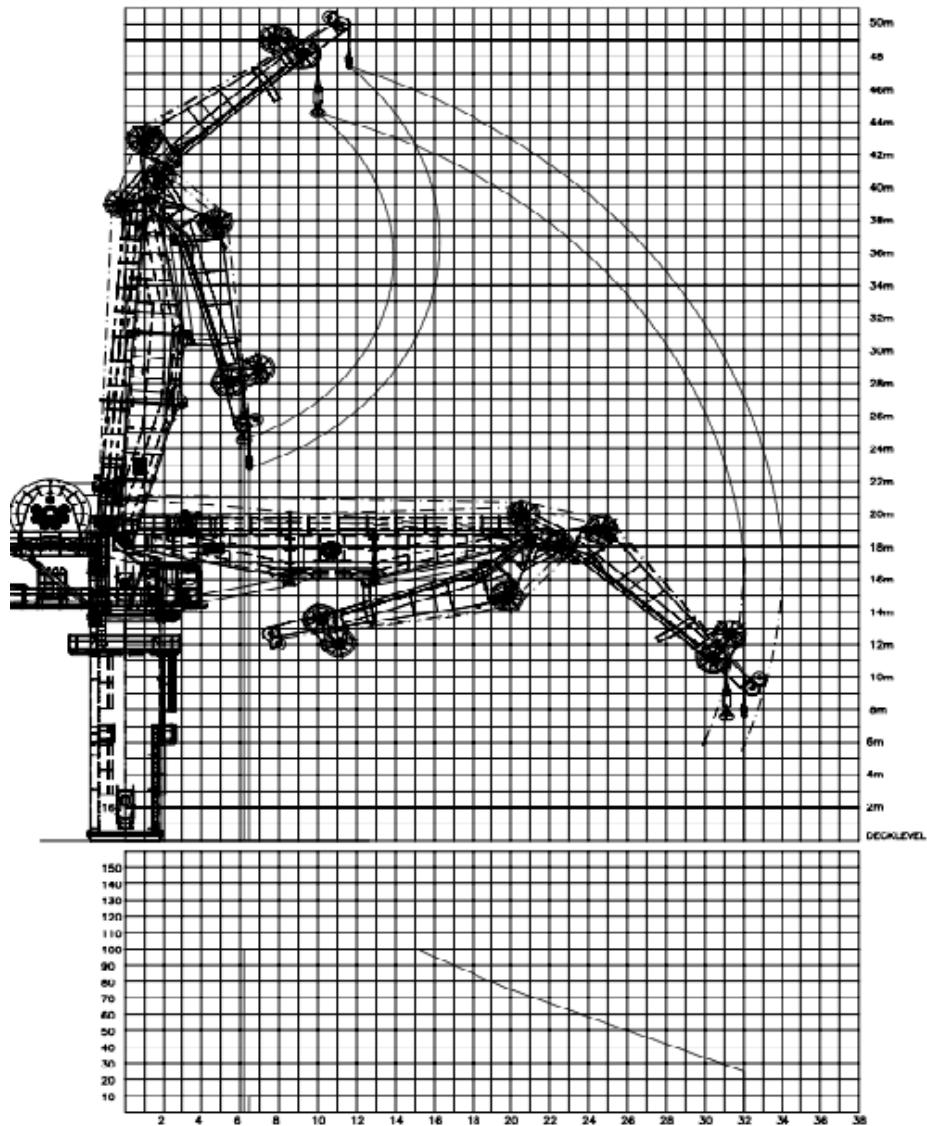
SIDE VIEW



TOP VIEW DECK LEVEL



100 T CRANE LOAD CHART



DP PLOTS

VARIABLE WIND AND WAVES
Limiting 1 minute mean wind speed in knots
at 10 m above sea level

