



SWIBER RESOLUTE 1,100 MT Derrick Pipe-lay/ Accommodation Work Barge

GENERAL SPECIFICATION

General Particulars

Year Built	2009
Flag	Panama
Class	ABS
Notation	✕ A1, Barge
Description	Derrick Pipelay Barge

Principal Dimensions

Length Overall	127.40m
Breadth Moulded	38.90m
Depth Moulded	9.00m
Design Draft	6.00m
Deck Strength	12.5MT/m ²
GRT / NRT	20,311T / 6,093T

Power Supply

Cummins Prime Movers	3 each
Generators	3 each Leroy Somer 1800kW, 690V/3ph/60Hz
Main Power Generator	8 each Caterpillar 3412 C, 620 kW @ 1,800rpm, 440V/3ph/ 60Hz
Auxiliary Back-up Generator	Caterpillar C4 Marine Set

Main Crane – AmClyde model 60

Main Hook Capacity	1,100MT @ 28m Radius 5.5m/min
Auxiliary Hook Capacity	275MT @ 55m Radius 15m/min
Whip Hook Capacity	60MT @ 75m Radius 65m/min
Boom Length	85m
Constant Tension Winches	2 each 15MT capacity
Block Control Winches	3 each 13MT capacity
Fast Line General Purpose	2 each 10MT capacity
Certified Man-Riding	1 each 5-10MT
Hold Back	1 each 2MT

Deck Crane

Manitowoc 777 crawler type, 180 MT capacity, boom length 160' lattice type

Deck Area

Clear Deck Space	1,600m ²
Work Area	704m ²
Covered Timber Decking	1,400m ²

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Anchor and Mooring System

Anchor	12 x 12MT Flipper Delta Anchors (8 + 4 spares)
Anchor Wire	12 x Ø52mm x 1,500m
Mooring Winches	8 x 130MT single drum winch, ME
Damage Prevention Buoys	15 x 5MT

Helideck

For S-92 Sikorsky

Accommodation

8 x 1 man cabin	8 men
14 x 2 men cabin	28 men
66 x 4 men cabin	<u>264 men</u>
Total	<u>300 men</u>

Tanks

Fuel Oil	1,500m ³
Portable Water	2,000m ³

Capacity

Pipe-Lay Capability

SAS Tensioners	2 x 60MT horizontal type capable of 4" to 60" inch dia. pipe
SAS A/R Winch	1 x 120MT with tension sheave
SAS Aux. Equipment	Cross conveyor and line up station support roller assemblies and stem V-type support rollers longitudinal conveyor system
NDT	1 x radiography or U.T.
Field Joint Station	1 set
Welding Stations	5 x manual or automatic - manual welding(18 miller 500amp) - Serimax auto welding system available on request
Pipe Line Stinger	40m ladder-type winch adjustable

Auxiliary Equipment

Tension Winch	2 x 20MT for cargo barge
Pipe Davit	6 x 35MT
Welding Machine in Crane Tub	20 x miller 500amp
Diesel Welding Machine	2 x miller 600amp
Crane on bow corner for DP buoys	2 x 5MT

Fork Lift Caterpillar 5MT capacity
Trash Compactor
Hydraulic Cable Spooling Device

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Accommodation Facilities

Satellite TV
 Prayer Room
 Client Offices
 Internet Cafe
 Crew Movie/Recreation Room
 Client Recreation Room
 Helicopter Waiting Room
 Safety Office/ Briefing Room
 Fully Equipped Gymnasium
 20 Person Conference Room
 Engineering and QA/ QC Offices

General Facilities

Paint Store
 Warehouses
 Carpentry Shop
 Deck Coffee Shop
 Welding's Fabrication Shop
 Fully Equipped Machine Shop
 Mechanical and Electrical Work Shops

GMDSS & Navigation Equipment

Long Range Radars	2 units
VHF Base Stations	2 units
VHF Hand-Help programmable radio	18 units
GPS	1 set
SSB Radio	1 set
Helibeacon	1 set
Weather Fax	1 set
Telephone system	1 set
GMDSS Distress Radio	1 set
Multiparty Paging System	1 set
Mini-M Satellite Communicator	1 set
VSAT Satellite System (Tel/Fax/Data)	1 set
Helicopter Frequency Hand-held VHF Radio	1 set

Fire Fighting & Survival Equipment

Fire Fighting /GS Pumps	2 x 130m ³ /hr @ 80m head
Electric Fire Pump	227m ³ /hr @ 89m head
Emergency Fire Pump	60m ³ /hr @ 65m head

2 x Helideck AFFF Foam Monitors
 3 x Breathing Apparatus Sets
 24 x 25 person Life Rafts
 Auto CO₂ Systems
 Eyewash Stations
 Portable Gas Detectors
 Helideck Crash Tool Box
 Fast Rescue Boat with Davit
 Smoke Detectors and Auto Sprinkler System

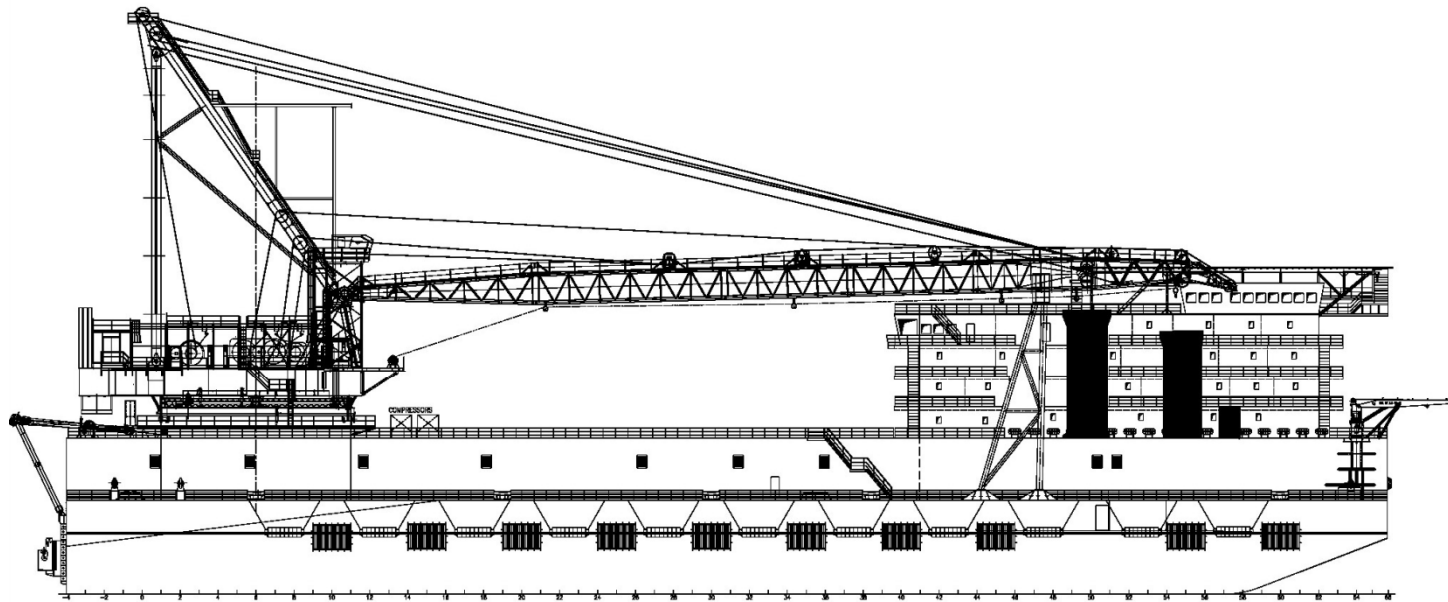
Miscellaneous/ Others

Sewage Treatment Plant	2 x IMO approved treatment plants for 310 crew
Fresh Water Maker	2 x 75 MT/pd Reverse Osmosis Plants

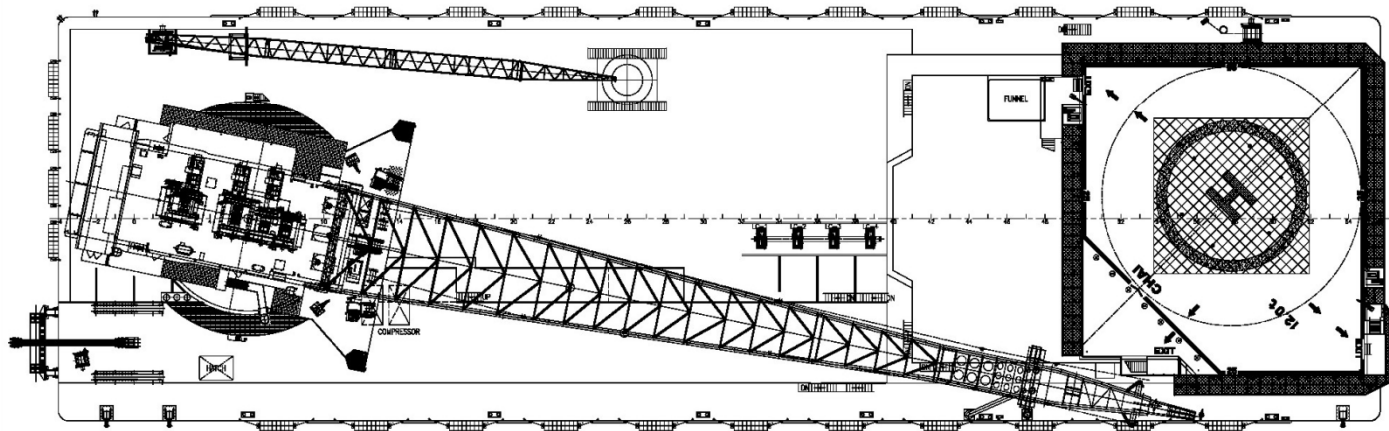
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PROFILE VIEW

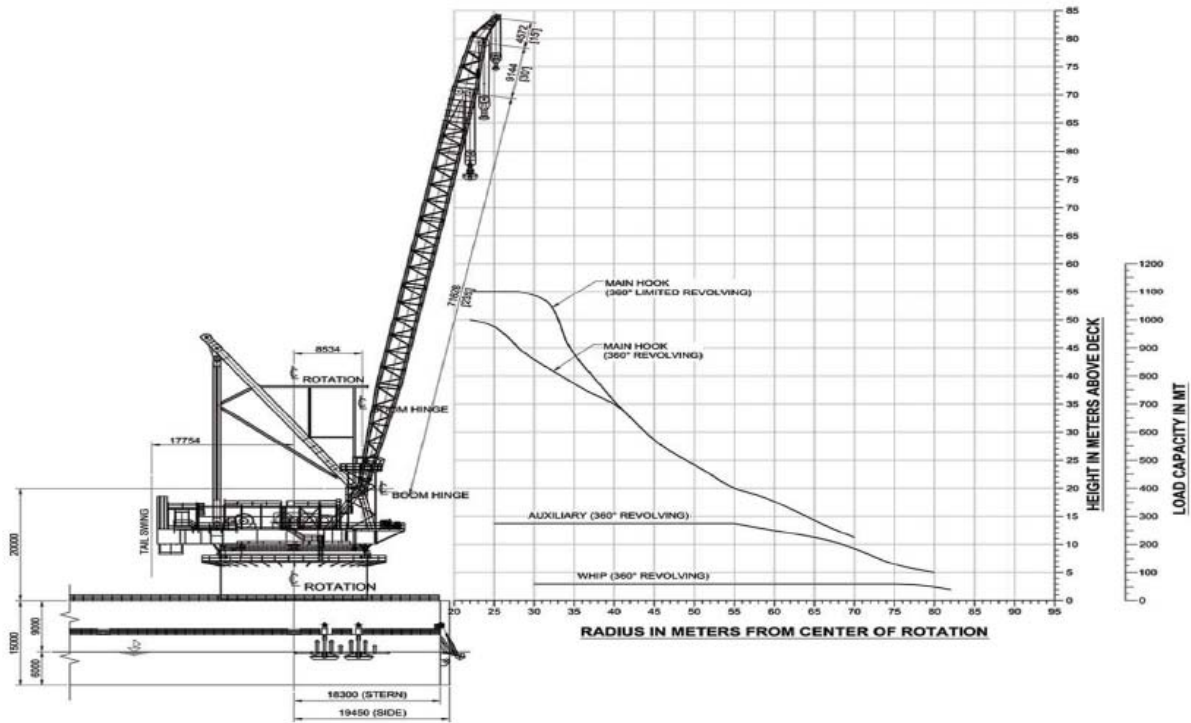


PLAN VIEW

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MAIN HOOK RATING CHART			
RADIUS (m)	RADIUS (ft)	360° REVOLVING	360° LIMITED REVOLVING
22.0 min	72.2	1000	1100
25.0	82.2	975	1100
28.0	91.9	900	1100
31.0	101.7	840	1075
34.0	111.5	790	925
37.0	121.4	740	810
40.0	131.2	700	710
43.0	141.1	625	625
46.0	150.9	550	550
49.0	160.8	500	500
52.0	170.6	450	450
55.0	180.4	400	400
58.0	190.3	375	375
61.0	200.1	340	340
64.0	210.0	300	300
67.0	219.8	260	260
70.0	229.7	225	225

AUXILIARY & WHIP HOOK RATING CHART			
RADIUS (m)	RADIUS (ft)	AUXILIARY - 360° REVOLVING	WHIP - 360° REVOLVING
25.0 min -AUX	82	275	-
30.0 min - WHIP	98.4	275	60
35.0	114.8	275	60
40.0	131.2	275	60
45.0	147.6	275	60
50.0	164.0	275	60
55.0	180.4	275	60
60.0	196.8	250	60
65.0	213.3	225	60
70.0	229.7	175	60
75.0	246.1	130	60
80.0 max - AUX	262.5	100	50
82.0 max - WHIP	269.0	-	40

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