



HUMBER WORK BOATS LTD



Mortlift

Crane Barge - 68 Ton SWL



'LOADING THE MILLENNIUM BRIDGE
FOR SUBSEQUENT PLACEMENT
ON THE RIVER HULL'



Mortlift Crane Barge

Specification Details

PRINCIPAL CHARACTERISTICS

Classification

FULL COASTAL DEPARTMENT OF TRANSPORT CLASS VIII A

Hull and Accommodation Data

Construction	Steel	
Length Overall	142 Feet	(43.3m)
Beam, Moulded	58 Feet	(17.6m)
Depth, Moulded	12 Feet	(3.6m)
Displacement Light	1132 Tons	(1150.1 t)
Draft without lift	Mean - 3' 5"	(1m)
Draft with Ballast and load	Mean - 5' 1"	(1.5m)
Freeboard without lift	Mean - 8' 7"	(2.6m)

Anchors

6 point mooring system - 6 x 10 tonne winches

Crane

Boom length 82 Feet 6 Inches (25m)

Main Block

Capacity Speed 68 Tons @ 73 Foot Radius (22.2m radius)
22.5 Ft/Min (6.8m)

Auxiliary

Capacity 17 Long Tons (15.2 t) @ 100 Foot
Radius (30.5m Radius)
Speed 60 Ft/Min (18.3m)
Operating range 360 Degrees
Rotating Speed 0.4 RPM

Hoist

Drive - gear
Number of Drums 3
Size of Drums 23 5/8in by 4ft 3in (60cm x 1.3m)
Drum Line Pull
Main Hoist 134,400 pounds (61,017 kg)
Boom Luffing 134,400 pounds (61,017 kg)
Auxiliary Hoist 33,600 pounds (15,254 kg)

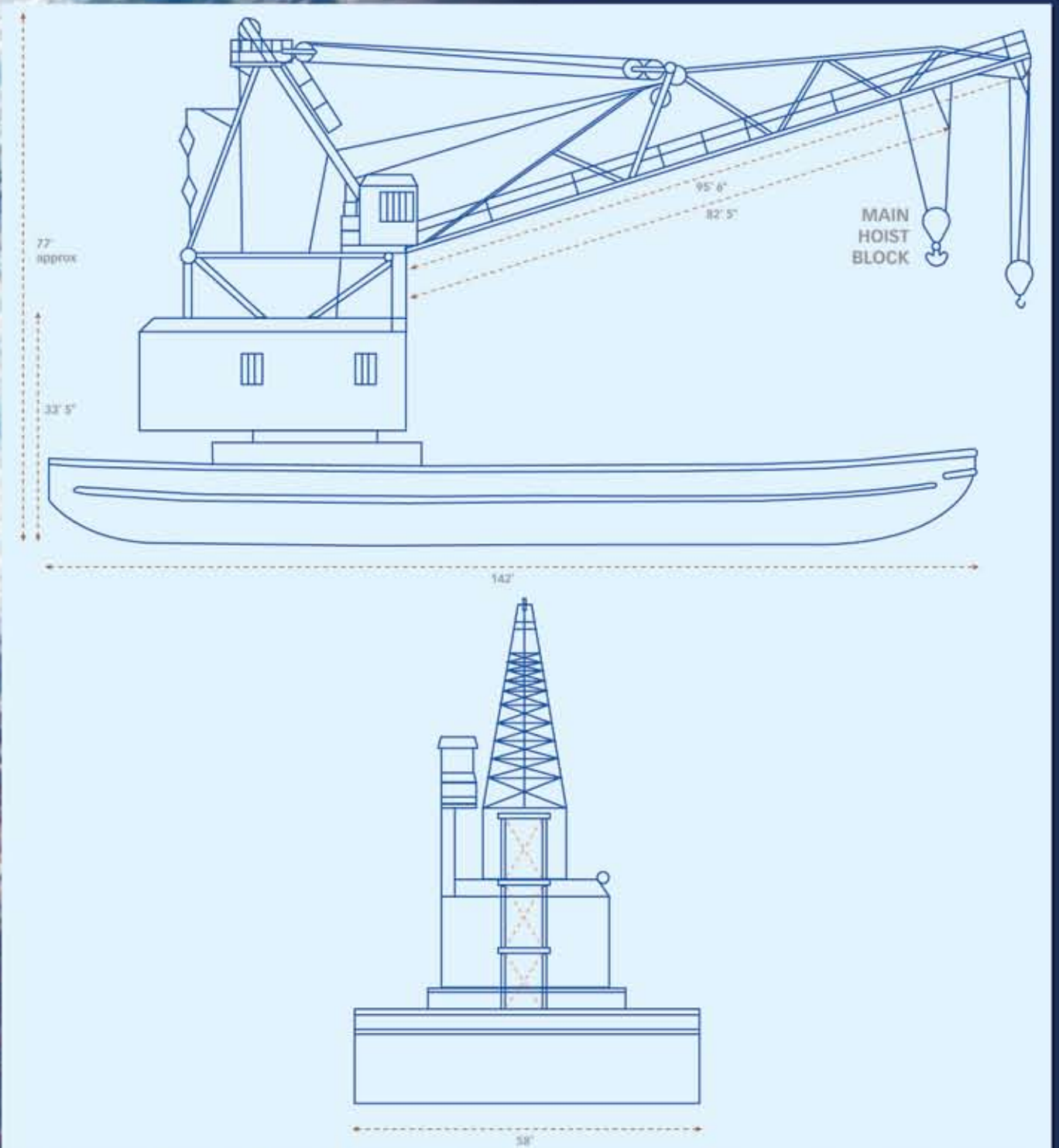




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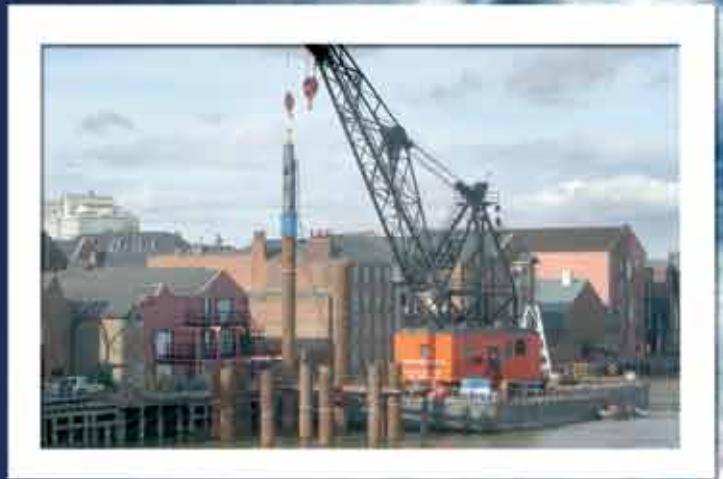


AIR DRAFT TO DECK UNDER BIG HOOK

RADIUS	AIR DRAFT	TONNES
13.7 Min Radius	28.00	68
15.7	27.00	68
17.7	25.70	68
19.7	24.250	68
21.7	22.450	68
23.7	21.200	55
25.7	17.150	42
27.7 Max Radius	13.050	36

AIR DRAFT TO DECK UNDER SMALL HOOK

RADIUS	AIR DRAFT	TONNES
14.7 Min Radius	32.800	15
16.7	32.00	15
18.7	31.00	15
20.7	29.500	15
22.7	28.200	15
24.7	26.100	15
26.7	23.800	15
28.7	21.100	15
30.7	16.600	15



HUMBER WORK BOATS LTD

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