



HUMBER WORK BOATS LTD

Mortlift 2

Crane Barge - 90 Ton SWL

MCA Class V111A Coastal



Mortlift 2 Crane Barge

Specification Details

PRINCIPAL CHARACTERISTICS

Dimensions and Capacities

Length, overall	: 42.67 metres
Beam (moulded)	: 21.34 metres
Depth (moulded)	: 3.81 metres
Displacement (full load)	: 1656.15 metric tons
Draft (full load) mean	: 1.91 metres
Freeboard (full load) mean	: 1.89 metres

Fuel (diesel)	: 57,775 litres
Lube oil	: 416 litres
Portable water	: 757 litres
Anchors (two)	: 1.907 metric tons (Stockless)
Anchor cable (two)	: 54.9 metres (38mm dia)

4 Point mooring spread

4 independently operated hydraulic winches operated by an electrically driven power pack.

Winch speed – 7.62 metres per minute

Manual brakes – 12.5 mt + hydraulically operated main brakes

Wire 26mm dia minimum

Crane

Main boom length	: 37.64 metres
Crane fully revolving	360 degrees @ 0.333 RPM

Auxiliary Hook

Aux hook block speed	: 24.38 metres per min
Aux hook minimum Radius	: 18.28 metres
Aux Hook Maximum Radius	: 37.33 metres
Aux Hook max load	: 25 metric tons at min to max radius.

Main Hook Block

Main hook speed	: 4.27 metres per minute (Max load)
Main hook minimum radius	: 16.76 metres
Main hook maximum radius	: 32.00 metres





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Main hook Radius capacities

16.76 mtrs to 24.38 mtrs radius max load : 89.30 metric tons
24.38 mtrs to 26.51 mtrs radius max load : 85.70 metric tons
26.51 mtrs to 28.50 mtrs radius max load : 82.10 metric tons
28.50 mtrs to 30.48 mtrs radius max load : 78.60 metric tons
30.48 mtrs to 32.00 mtrs radius max load : 75.00 metric tons

Crane Wires – construction and length

Main hoist rope : 6 x 37 – 30mm dia @ 771.14 metres long
Boom luffing rope : 6 x 30 – 32mm dia @ 320.04 metres long
Auxiliary hoist rope : 3 x 37 – 22mm dia @ 335.28 metres long

LSA Appliances (For 6 Crew)

+ Fire fighting Equipment

4 lifebuoys (2 with lights - two with 27.3 metres of buoyant line).
10 lifejackets + lights (6 for crew + 4 spares)
6 immersion suites
2 liferafts (6 person) + hydrostatic releases
1 line throwing device
12 parachute rockets in a flares bottle
Solas no 1 card
1 EPIRB (Emergency Positioning Indicating Radio Beacon)
1 SART (Search and Rescue Transponder)
1 Rescue boat + outboard motor and launching Davit
3 Waterproof marine mobile VHF sets
1 waterproof Mainset (Fitted in crane cab)

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Generators Main

Crane service: 2 main sets available
Current –AC output 150 KW Voltage – 440 AC
Engines: 2 x Caterpillar 208 KW (279 HP) @ 1200 RPM

Generators Auxiliary

Vessel service: 2 sets available
Current: 3 phase AC – output – 65 KW Voltage – 220V
Engines: 2 x Caterpillar 74 KW (99 HP) @ 1800 RPM

Accommodation

Cabin accommodation for 14 crew
Galley to service 14 crew



HUMBER WORK BOATS LTD

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