

Land & Marine



Work Barge LM Constructor

The flat-top barge LM Constructor is a general purpose vessel suitable for a wide range of marine work including underwater pipe-laying operations, piling, diving and dredging. It is currently equipped to accommodate up to 40 persons via permanent fit 48 man modules.

Built 1983 under Bureau Veritas Inspection Class I 3/3 (-) + pontoon/N.P. – Deep Sea

Listed with Lloyds Register of Shipping and in Class 100A pontoon.

Home Port: Liverpool

Principal Dimensions

Length (moulded)	60.00m
Breadth (moulded)	19.00m
Depth (moulded)	4.50m
Deck loading permissible	10t/sq.m
Total Loading	3,500t
Draught loaded	3.65m

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GENERAL DESCRIPTION

The barge has a raked stern, no deck camber or tilling of bottom plating, with a bilge radius of 400mm. Web frames are spaced at 200mm and the deck strengthened for 10t/sq.m. It has two longitudinal and four transverse bulkheads, forming 15 tanks. Two skegs are mounted to provide good course stability in open sea.

MANHOLES AND LADDERS

Each tank has a flush manhole with vertical ladder below.

Mooring	Four-point system comprising two double drum winches, each carrying 500m of 52mm Ø SWR with 20te brake capacity, central control adjacent to winches and roller fairleads at each quarter..
Bollards	Eight double.
Towing Lugs	Two towing lugs and one towing bridle and triangle for bollard pull of 50te.
Winches	Deck can be set up to accommodate high capacity winches for pulling operations. 600te strong point forward and 300te strong points aft.
Crane	One off Lima 2400 on fixed anchorage (45te) One 5te Hiab fwd for tow handling.
Anchors	Four 4te Delta Flipper anchors for barge positioning.
Compressed Air	250 cfm ring main around deck.
Power	2 off external 300 KVA 50Hz generators, piped into main fuel tank. 1 off external 100 KVA 50 Hz generator, deck fuelled.
Lighting	Deck flood lights throughout
Water	576 tonnes in two potable water tanks.
Fuel	17,000 gallons gas oil tank (double skinned) Deck re-fuelling lines Fwd & Aft
Sewage	Hamworthy Sewage Plant (40 persons)
Workspace	3 off 20' x 8' Containerised offices. 20' x 8' Laundry c/w 2 industrial washer & 2 off Industrial driers, 20' x 8' restroom c/w toilet unit with showers & burco boiler, fully fitted galley mess with seating for 20, Recreation room 20' x 20' TV DVD, Video & Satellite, rigging store, fitters workshop, Electrical store, drying room. Below decks Fridge space two walk in freezers and one walk in dairy fridge. Winch control cabin 10' x 10'
Accommodation	6 x 8 man units, 4 man rooms with ensuite On demand hot & cold water via 24KW calorifier unit.
Safety	To Department of Transport requirements.. Twin Fire pumps & seawater ring main. 4 off 20 man Liferafts. EPIRB. GMDSS Radios, VHF radio
Navigation Lights	Mounted on a mast on the container units 11m above sea level, facility to mount special markers, balls, diamonds etc
Access	Three ladders on each side recessed into wooden rubbing strake. Surfer Landing Aft