

Crane barge IB-Marlin

Crane barge IB-Marlin is a lift barge, designed for near shore piling activities and has been deployed in many of BAM's worldwide projects. The IB-Marlin belongs to BAM's key equipment, which meets the market's high demand for marine construction.

The deck layout is such that a maximum free space is available for storage of piles or prefabricated construction elements. The barge is equipped with a high capacity revolving crane and the 9-points mooring system guarantees safe and precise mooring.



'An essential asset in our global marine equipment fleet'



Specifications IB-Marlin

Pontoon

Dimensions	60 x 23 x 5 m
Minimum draft	1.10 m
Maximum draft	3.80 m
Dead weight	1,193 mT
Classification	Panama class
Admissible deck load	7.50 mT/m ²

Accommodation

Office
 First-aid
 Canteen with kitchen facilities
 Sanitary room
 Command bridge with mooring control, compass and radio equipment
 2 x storage workshop rooms below deck
 Generator container

Crane

Make	Manitowoc
Type	36' Platform Ringer
Max lift capacity main hoist	317 mT
Max lift capacity with yoke frame	250 (2 x 125) mT
Lift capacity whip line	15 mT
Lift capacity jib hoist	25.60 mT
Maximum capacity auxiliary hoist	12.8 mT
Total counterweight	250 mT

Lift capacity for various boom lengths and jib offsets on request

Available boom lengths:	140 ft	42.67 m
	180 ft	54.86 m
	(on request) 200 ft	60.96 m



Pile driving

Fixed leader length	66 m
Maximum pile length	70 m
Maximum hammer and helmet weight	28 mT
Piling position forward	3:1
Piling position backward	3:1
Piling position forward (100 ft boom)	2.5:1
Piling position backward (100 ft boom)	2.5:1
Piling position sideways	10:1

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Mooring system

• Anchor winch	9
Type	Diesel/hydraulic
Pulling force	2 x 25 mT
Holding force 50 mT	6 x 50 mT
Drum capacity	6 x 500 and 3 x 350 m
Wire diameter	36 mm
• Anchors	
Type	Flipper Delta
Quantity	6
Weight	2 x 2.5 and 4 x 3 mT

Outfitting

Generator	1 x 85 kVA and 1 x 25 kVA
Compressor	1,000 l/min@8bar
Fuel tank	2 x 50,000 l
Fresh water tank	90,000 l
Sewage tank	90,000 l

Available piling equipment

IHC S-500	500 kNm
IHC S-280	280 kNm
IHC S-200	200 kNm
IHC S-150	150 kNm

