



DAMEN MODULAR FLOATING DRYDOCK 11026

”YN 523402”

GENERAL

Yard number	523402
Basic functions	The Damen Modular Floating Drydock is a drydock built in steel to standard design.
Description	MFDd type 11026, for vessels up to 5.000t and up to 50t/m keel load, including all types Damen Tugs and seawaymax vessels. Bottom pontoons fit in the drydock itself for in-house maintenance. Prepared for load-out up to 600t.

DIMENSIONS (drydock)

Length o.a.	110.0 m
Beam o.a.	32.0 m
Depth to upper deck	12.0 m
Depth to drydock floor	3.0 m
Max draught	10.7 m
Min Freeboard to upper deck (when fully submerged)	1.3 m
Min Freeboard to dock floor (with 5.000t load)	0.3 m
Length over keel blocks	100.0 m
Internal width at upper deck level	26.0 m
Internal width at dock floor level	27.0 m
Max draught above keel blocks	6.7 m
Max draught above dragline pl.	7.4 m
Number of bottom pontoons	10 pcs

DIMENSIONS (vessel in drydock)

Max length	110.0 m
Max width	25.5 m
Max displacement	5000 t
Max draught (on keel blocks)	6.2 m
Max draught (on dragline plates)	6.9 m
Max trim	3.0 cm/m

CAPACITIES

Fuel	11.0 m ³
Max. lifting capacity (0,3m freeboard to dock floor)	5.000 t
Max. load on center line	50 t/m
Max. load of one keel block	50 t
Total no of keel blocks	146 pcs
Max. load dock floor	15 t/m ²
Drydock floor thickness	15 mm

BALLAST SYSTEM

Ballast volume pontoon	9200 m ³
Ballast volume side walls	3000 m ³
No of compressors	5 pcs
Total ballast cap (approx.)	5000 m ³ /h
Pump rooms & voids volume	1830 m ³
Ballast piping hot dip galvanised	100 %

PERFORMANCES (approx.)

Lifting time (from 10,7m to 2,7m draught, empty drydock)	55-60 min
Sinking time (from 2,7m to 10,7m draught, empty drydock)	45-50 min

CRANE

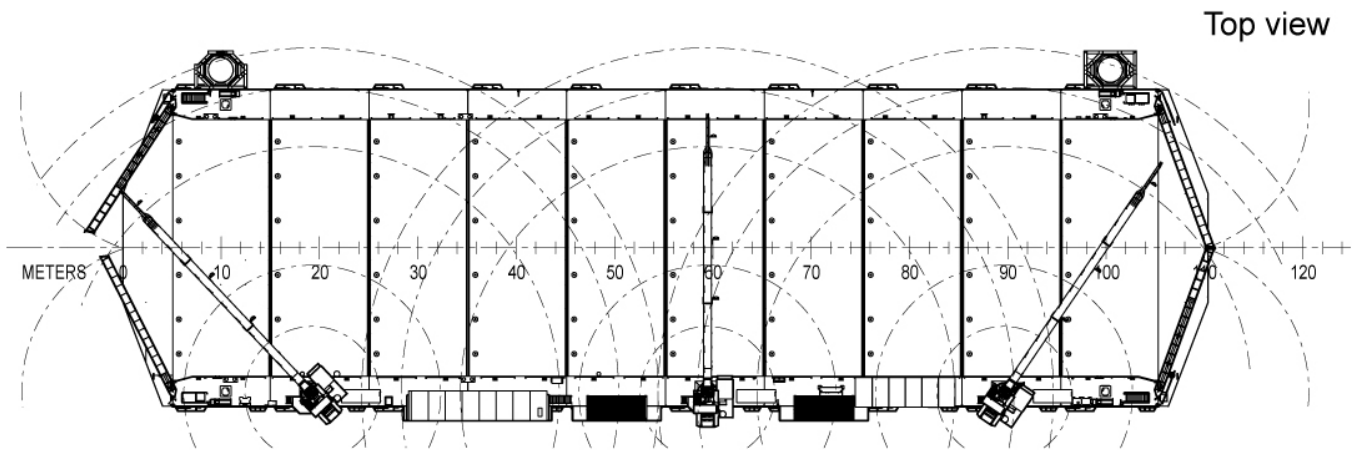
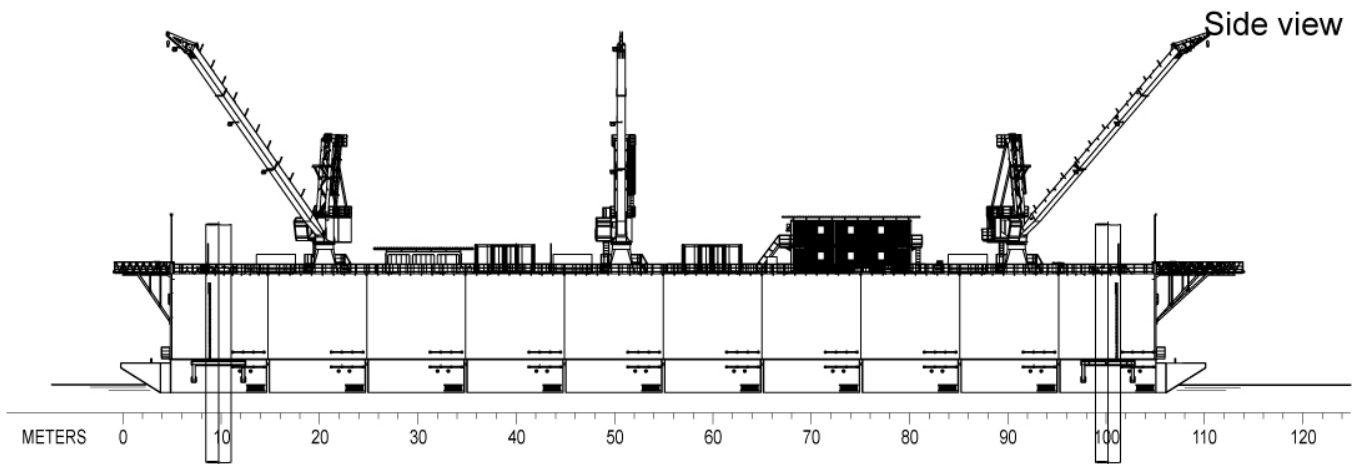
No. of drydock cranes	3 pcs
Main hoist lift capacity	15 t @ 15m 10 t @ 20m 6 t @ 31m
Max main hoist reach	31 m
Aux hoist lift capacity	2 t @ 6-35m
Max aux hoist reach	35 m
Control via remote control unit	yes
Control via operator cabin (AC)	yes
Max power consumption (380v)	92 kW

CONTROL ROOM

Control Room equipment	Ballast tank level system, Ballast control panel, Alarm panel, E-switchboard
Drydocking equipment	Deflection monitoring & alarm system, List & Trim monitors.
Standard equipment	VHF radio, binoculars, barometer
Other standard equipment	AC unit, charger for handheld VHF, charger for Crane Remote, first aid kit, fire extinguisher, life buoy with line.

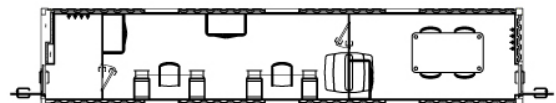
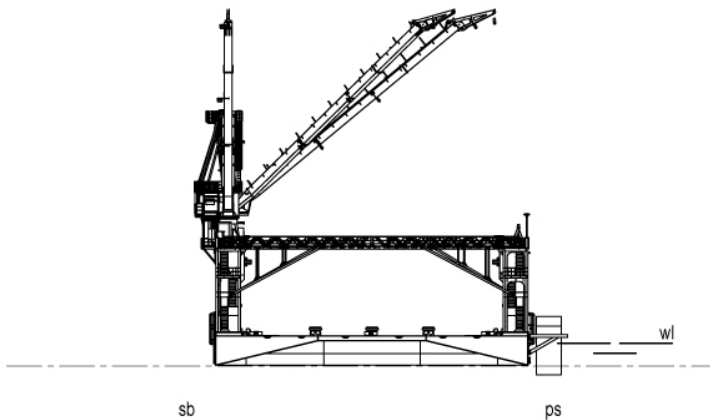
FIRE FIGHTING SYSTEM

No. of fifi pumps	2 pcs
Fifi pump capacity, each	25 m ³ @80mwc
No. of hydrants upper deck	10 pcs
No. of hydrants dock floor	12 pcs
Fifi piping hot dip galvanised	100 %



Front view

Accommodation upper deck



Accommodation lower deck



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DAMEN

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