



# DAMEN MODULAR FLOATING DRYDOCK 10020

## Outline Specification MFDd 10020-5

### GENERAL

Reference  
Description

320-MFDd 10020-5-standard.  
Modular drydock type 10020, for vessels up to 3.100t and up to 50t/m keel load, including all types Damen Tugs. Bottom pontoons fit in the drydock itself for in-house maintenance. Optional load-out possibility.  
Optional: LR, BV, DNV, Rina

Classification

### DIMENSIONS (drydock)

Length o.a.	100,75 m
Beam o.a.	32,00 m
Depth to upper deck	12,25 m
Depth to drydock floor	3,00 m
Max draught	10,75 m
Min Freeboard to upper deck (when fully submerged)	1,5 m
Min Freeboard to dock floor (with 5.000t load)	0,3 m
Length over keel blocks	90,75 m
Internal width at upper deck level	26,00 m
Internal width at dock floor level	27,00 m
Max draught above keel blocks	6,3 m
Max draught above dragline pl.	7,0 m
Number of bottom pontoons	5 pcs

### DIMENSIONS (vessel in drydock)

Max length	100,0 m
Max width	25,5 m
Max displacement	3.100 t
Max draught (on keel blocks)	6,0 m
Max draught (on dragline plates)	6,7 m
Max trim	3,0 cm/m

### CAPACITIES

Max. lifting capacity (0,3m freeboard to dock floor)	3.100 t
Max. load on center line	50 t/m
Max. load of one keel block	50 t
Total no of keel blocks	123 pcs
Max. load dock floor	10 t/m <sup>2</sup>
Max. load on apron floor	1 t/m <sup>2</sup>

### BALLAST SYSTEM

Ballast volume pontoon	9.400 m <sup>3</sup>
Ballast volume side walls	3.000 m <sup>3</sup>
No of pumps in each pontoon	2 pcs
Total ballast cap (approx)	2.500 m <sup>3</sup> @10mwc
Pump rooms & voids volume	2.320 m <sup>3</sup>
Ballast piping hot dip galvanised	100 %

### PERFORMANCES (APPROX.)

Lifting time (from 10,75m to 2,7m draught, empty drydock)	60-90 min
Sinking time (from 2,7m to 10,5m draught, empty drydock)	60-90 min

### CRANE

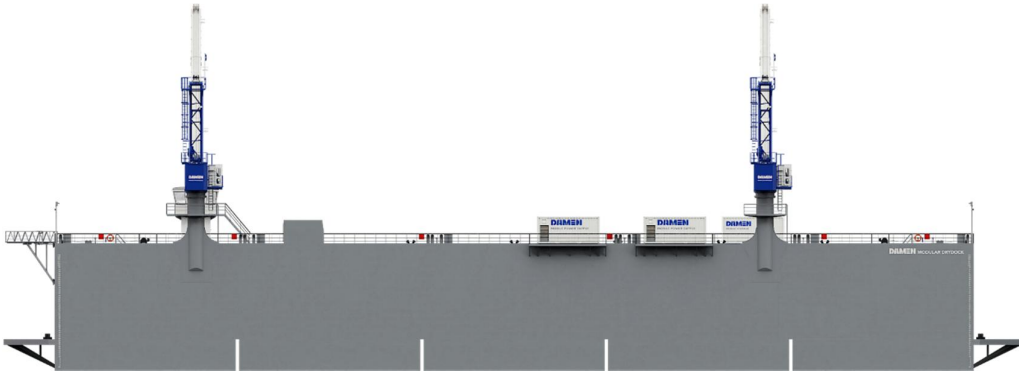
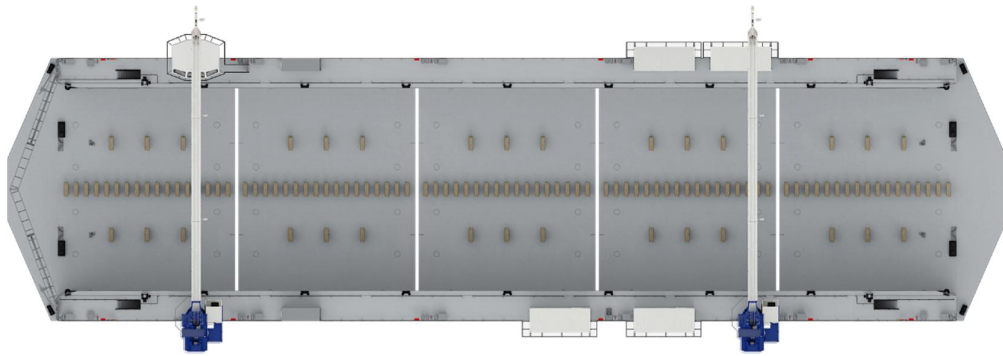
No. of drydock cranes	2 pcs
Main hoist lift capacity	15 t @ 16m 8 t @ 25m 5.8 t @ 33m
Max main hoist reach	33 m
Aux hoist lift capacity	2 t @ 9-35m
Max aux hoist reach	35 m
Control via remote control unit	yes
Control via operator cabin	yes
Max power consumption (380v)	70 kW

### 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 and backup, draft indication system
Standard equipment	VHF radio, anemometer, searchlight, 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 pc
Fifi pump capacity, each	30 m <sup>3</sup> @40mwc
No. of hydrants upper deck	10 pcs
No. of hydrants dock floor	10 pcs
Fifi piping hot dip galvanised	100 %



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## DAMEN

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