



# DAMEN MODULAR FLOATING DRYDOCK 21036

## Outline Specification MFDd 21036-7M

### GENERAL

Ref number	320-MFDd 21036-7M-standard.
Description	Modular drydock type 21036, for vessels up to 19.500t and up to 100t/m keel load. Pontoons fit in the dock itself for in-house maintenance.
Classification	Optional: BV, LR

### DIMENSIONS (drydock)

Length o.a.	219,75 m
Beam o.a.	44,00 m
Depth to upper deck	18,00 m
Depth to drydock floor	4,00 m
Max draught	16,75 m
Min Freeboard to upper deck (when fully submerged)	1,25 m
Min Freeboard to dock floor (with 19.500t load)	0,3 m
Length over keel blocks	204,0 m
Internal width at upper deck level	36,0 m
Internal width at dock floor level	37,0 m
Max draught above 1,5m blocks	7,2 m
Max draught above dragline pl.	8,4 m
Number of bottom pontoons	7 pcs

### DIMENSIONS (vessel in drydock)

Max length	210,0 m
Max width	35,5 m
Max. Displacement	19.500 t
Max draught (on keel blocks)	6,9 m
Max draught (on dragline plates)	8,1 m
Max trim	3,0 cm/m

### CAPACITIES

Max. lifting capacity (0,3m freeboard to dock floor)	19.500 t
Max. load on center line	100 t/m
Max. load of one keel block	100 t
Total no of keel blocks	357 pcs
Max. load dock floor	10 t/m <sup>2</sup>
Drydock floor thickness	13 mm

### BALLAST SYSTEM

Ballast volume pontoon	35.500 m <sup>3</sup>
Ballast volume side walls	17.300 m <sup>3</sup>
No of pumps in each pontoon	4 pcs
Total ballast cap (approx)	11.000 m <sup>3</sup> @14mwc
Pump rooms & voids volume	10.600 m <sup>3</sup>
Ballast piping hot dip galvanised	100 %

### PERFORMANCES (APPROX.)

Lifting time (from 12,75m to 3,7m draught, empty drydock)	2-2,5 h
Sinking time (from 3,7m to 12.75m draught, empty drydock)	2-2,5 h

### CRANE

No. of mobile side wall cranes	2 pcs
Main hoist lift capacity	20 t @ 22m
	20 t over keel blocks

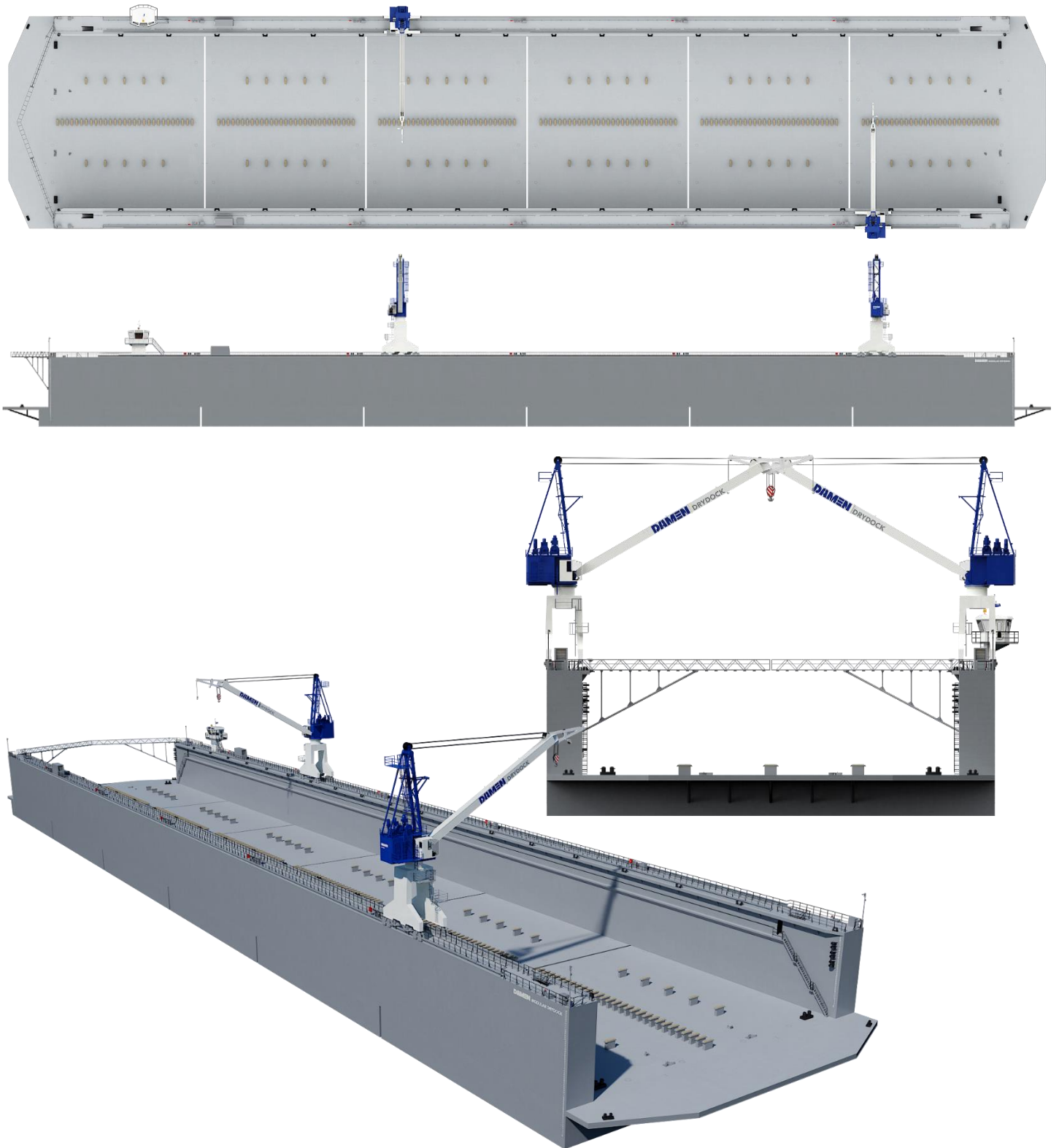
Max main hoist reach	22 m
Aux hoist lift capacity	2 t @ 26m
Max aux hoist reach	26 m
Control via remote control unit	yes
Control via operator cabin	yes
Power consumption (approx.)	85 kW

### 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	3 pc
Fifi pump capacity, each	30 m <sup>3</sup> @40mwc
No. of hydrants upper deck	24 pcs
No. of hydrants dock floor	24 pcs
Fifi piping hot dip galvanised	100 %



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DAMEN SHIPYARDS GORINCHEM

Member of the DAMEN SHIPYARDS GROUP 

Industrieterrein Avelingen West 20  
4202 MS Gorinchem

P.O. Box 1  
4200 AA Gorinchem  
The Netherlands

phone +31 (0)183 63 99 11  
fax +31 (0)183 63 21 89

info@damen.com  
www.damen.com