

# DAMEN MODULAR FLOATING DRYDOCK 31036

## Outline Specification MFDD 31036-9L (Panamax)

### GENERAL

Ref number	320-MFDd 31036-9L-standard.
Description	Modular drydock type 31036, for vessels up to 28.000t and up to 100t/m keel load, including Panamax vessels. pontoons fit in the drydock itself for in-house maintenance.
Classification	Optional: BV, LR, DNV, Rina

### DIMENSIONS (drydock)

Length o.a.	315,95	m
Beam o.a.	43,50	m
Depth to upper deck	14,00	m
Depth to drydock floor	4,00	m
Max draught	12,75	m
Min Freeboard to upper deck (when fully submerged)	1,25	m
Min Freeboard to dock floor (with 28.000t load)	0,3	m
Length over keel blocks	301,0	m
Internal width at upper deck level	36,0	m
Internal width at dock floor level	37,5	m
Max draught above 1,5m blocks	7,2	m
Max draught above dragline pl.	8,4	m
Number of bottom pontoons	9	pcs

### DIMENSIONS (vessel in drydock)

Max length	301,0	m
Max width	35,0	m
Max. Displacement	28.000	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)	28.000	t
Max. load on center line	100	t/m
Max. load of one keel block	100	t
Total no of keel blocks	525	pcs
Max. load dock floor	10	t/m <sup>2</sup>
Max. load on apron floor	5	t/m <sup>2</sup>

### BALLAST SYSTEM

Ballast volume pontoon	49.300	m <sup>3</sup>
Ballast volume wing walls	16.850	m <sup>3</sup>
No of pumps in each pontoon	4	pcs
Total ballast cap (approx)	15.350	m <sup>3</sup> @14mwc
Pump rooms & voids volume	19.100	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 wing wall cranes	2	pcs (max 2 per side)
Main hoist lift capacity	20	t @ 22m
	20	t over keel blocks

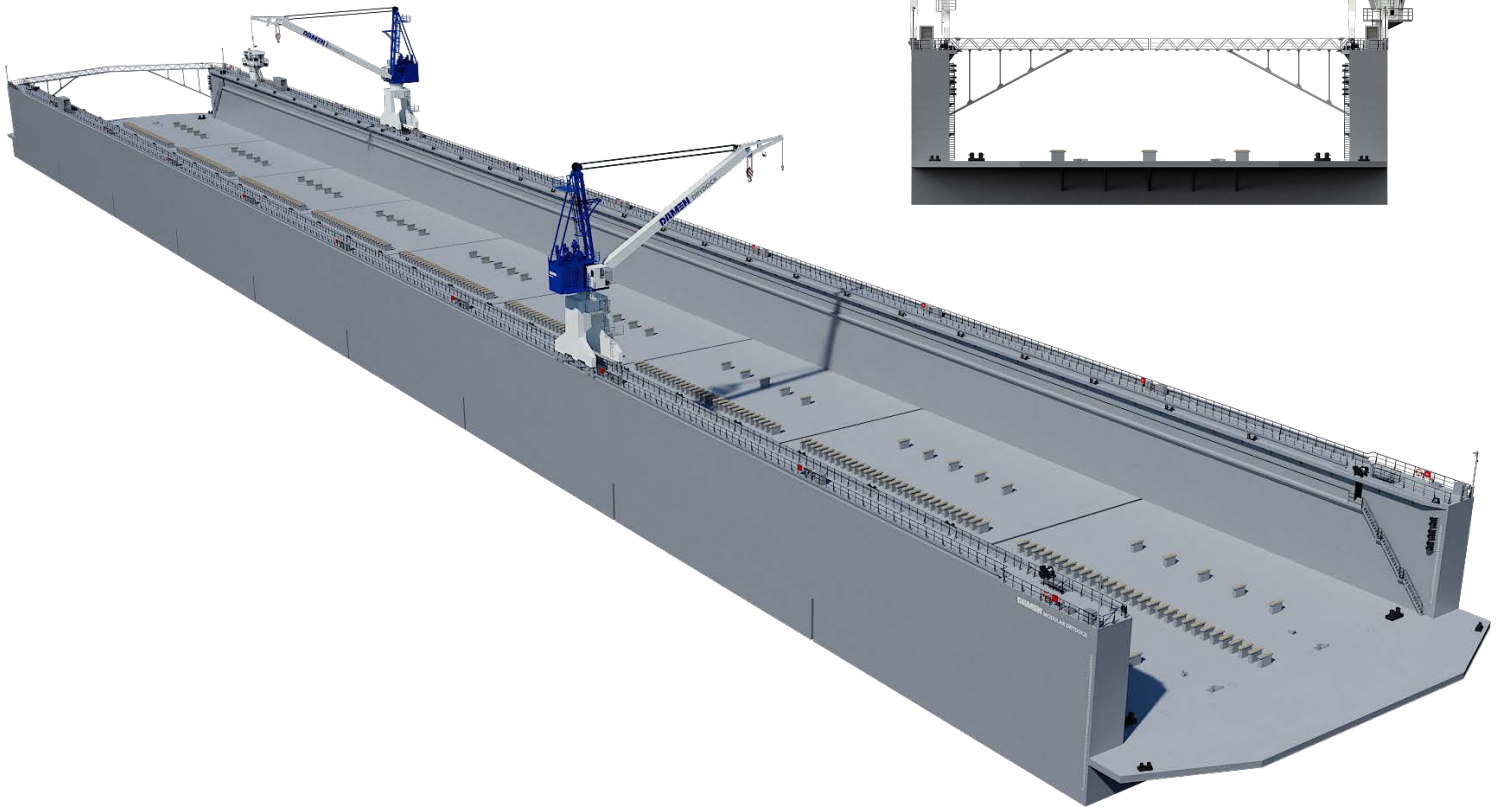
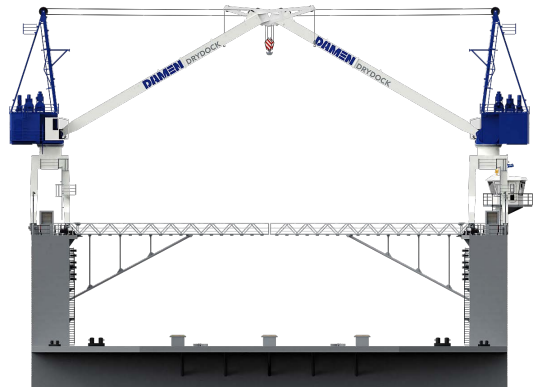
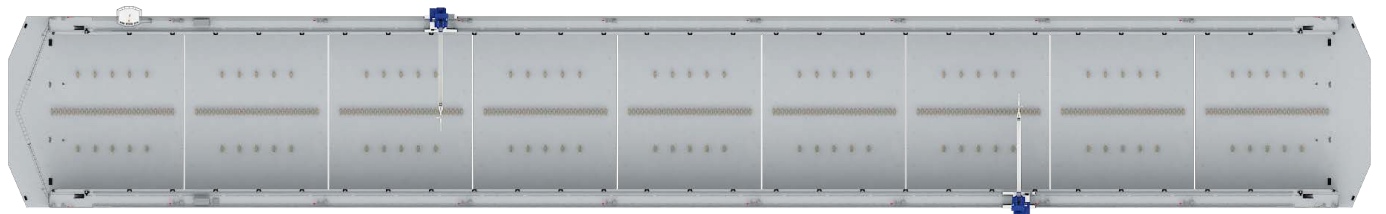
Max main hoist reach	22	m
Aux hoist lift capacity	2	t @ 26m
Max aux hoist reach	26	m
Control via remote control unit	yes	
Control via operator cabin	yes	
Power consumption (approx.)	85	kW

### 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	5	pc
Fifi pump capacity, each	30	m <sup>3</sup> @40mwc
No. of hydrants upper deck	36	pcs
No. of hydrants dock floor	36	pcs
Fifi piping hot dip galvanised	100	%



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## DAMEN

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