GENERAL
Ref number 320-MFDd 5020-4
Description Modular drydock type 5020, for vessels up to 1.500t and up to 50t/m keel load, including all types Damen Tugs. Bottom pontoons are 2.35m depth. Pontoons fit in the drydock itself for in-house maintenance. Optional: LR or BV

CLASSIFICATION
DIMENSIONS (drydock)
Length over all 50,3 m
Beam over all 26,0 m
Depth to upper deck 11,60 m
Depth to drydock floor 2,35 m
Max draught 10,5 m
Min Freeboard to upper deck (when fully submerged) 0,3 m
Length over keel blocks 50,0 m
Internal width at upper deck level 20,0 m
Internal width at dock floor level 21,0 m
Max draught over 1,25m blocks 6,3 m
Max draught above dragline pl. 7,2 m
Number of bottom pontoons 4 pcs

DIMENSIONS (vessel in drydock)
Max length 50,0 m
Max width 19,5 m
Max. Displacement 1,500 t
Max draught (on keel blocks) 6,0 m
Max draught (on dragline plates) 6,9 m
Max trim 3,0 cm/m

CAPACITIES
Max. lifting capacity 1,500 t
Max. lift over the keel blocks 50 t/m
Max. load on center line 50 t
Total load of one keel block 68 pcs
Max. load dock floor 10 t/m²
Drydock floor thickness 13 mm

BALLAST SYSTEM
Ballast volume pontoon (approx) 3,750 m³
Ballast volume side walls 1,600 m³
Total ballast cap (approx) 1,850 m³ @ 10mwc
Pump rooms & voids volume 665 m³
Ballast piping hot dip galvanised 100 %

PERFORMANCES (APPROX.)
Lifting time (from 10,5m to 2,35m draught, empty drydock) 50-75 min
Sinking time (from 2,35m to 10,5m draught, empty drydock) 50-75 min

CRANE
No. of drydock cranes 1 pcs
Main hoist lift capacity 15 t @ 16m
15 t over keel blocks 11 @ 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) 75 kW

CONTROL ROOM
Control Room equipment Ballast tank level system, Ballast control panel, Alarm panel, E-switchboard
Drydocking equipment Deflection monitoring system (2x), alarm system, List & Trim monitors and backup, draft indication system
Standard equipment VHF radio, anemometer, searchlight, binoculars, barometer, clock
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 fire pumps 2 pcs
Fill pump capacity, each 30 m³@40mwc
No. of hydrants upper deck 8 pcs
No. of hydrants dock floor 8 pcs
Fill piping hot dip galvanised 100 %
MODULAR FLOATING DRYDOCK 5020
Outline Specification MFDd 5020-4S - 1500t