GENERAL
Ref number 320-MFDd 18036-6M-standard.
Description Modular drydock type 18036, for vessels up to 16,500t and up to 100t/m keel load.
Pontoons fit in the dock itself for in-house maintenance.
Classification Optional: BV, LR, DNV, Rina

DIMENSIONS (drydock)
Length o.a. 187.13 m
Beam o.a. 44.00 m
Depth to upper deck 14.00 m
Max draught 12.75 m
Min Freeboard to upper deck 1.25 m
Depth to drydock floor 4.00 m
Min Freeboard to dock floor (when fully submerged) 0.3 m
Internal width at upper deck level 36.0 m
Max draught above 1.5m blocks 8.4 m
Max draught above dragline pl. 8.4 m
Number of bottom pontoons 6 pcs

DIMENSIONS (vessel in drydock)
Max length 187.0 m
Max width 35.5 m
Max. Displacement 16,500 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 16,500 t
(0.3m freeboard to dock floor)
Max. load on center line 100 t/m
Max. load of one keel block 100 t
Total no of keel blocks 304 pcs
Max. load dock floor 10 t/m²
Drydock floor thickness 13 mm

BALLAST SYSTEM
Ballast volume pontoon 30,500 m³
Ballast volume side walls 11,500 m³
No of pumps in each pontoon 3 pcs
Total ballast cap (approx) 7,200 m³@14mwc
Ballast rooms & voids volume 9,100 m³
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
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 pcs
Fill pump capacity, each 30 m³@40mwc
No. of hydrants upper deck 24 pcs
No. of hydrants dock floor 24 pcs
Fill piping hot dip galvanised 100 %
MODULAR FLOATING DRYDOCK 18036
Outline Specification MFDd 18036-6M