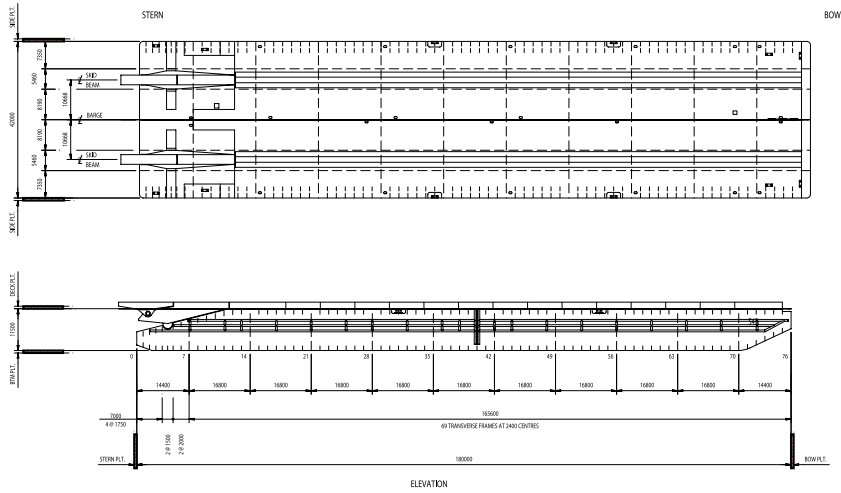


S 45

LAUNCHING/CARGO BARGE EQUIPPED FOR LARGE OFFSHORE STRUCTURES INSTALLATION BY FLOATOVER TECHNOLOGY



**TYPE**

Flat bottom/Flat deck

FLAG

Portugal

CLASSIFICATION

R.I.Na.

DIMENSIONS

180 m x 42 m x 11.5 m

GROSS TONNAGE

24,256 t

FREE DECK AREA

6,500 sq.m

DECK CAPACITY

15 t/sq.m

OPERATIONAL FEATURES

Primarily designed for loading out, transporting and launching jackets weighing up to 20,000 t. Two high capacity pumping stations for rapid trim adjustment during operations. Ballasting and deballasting of all tanks, operated from air conditioned control room by means of remote controlled pumps and valves and monitored by remote tank level gauges. Deck equipment includes heavy winches for mooring the barge as well as for handling deck cargoes.

JACKET WEIGHT

Up to 20,000 t

JACKET HANDLING SYSTEM

Skid beams: 2 x 152 m skid beams

PTFE lined with paths for jacking units. Rocker arms: 2 x 30.5 m long double hinge type. Allowed hinge reaction: 9,000 t each. Jacking units: 4 double acting self-powered 4 x 750 t force at 25 m/h. speed 4 x 500 t force at 60 m/h. speed

EQUIPMENT

Ballast system: 4 E./pumps 1,000 cu.m/h. each Remote control and operation of ballast system with draft and tank level gauging. Fire/bilge system: 2 E./pumps 60 cu.m/h. each Aux./emerg. system: 2 E./pumps 60 cu.m/h. each, submersible and portable type. Electric power plant: 2 x 320 kw main diesel generators 380 V, 50 Hz. 1 x 25 kw aux. diesel generator. Air compressors: 2 x 700 cu.m/h. main compressors at 7 bar.

MOORING EQUIPMENT

1 hydraulic anchor winch - 10 t anchor 550 m of dia. 60 mm U3 chain 2 hydraulic mooring winches each 10 t 2 capstans two 30 t not connected to system Towing system suitable for 3 simultaneously connected tugs. Bridle chain of main towing line suitable for a tug pull of 200 t Additional Auxiliary towing line suitable for tug pull of 200 t on STBD side.