

FMB0962 - Hoverbarge



General

This 200 tonne payload Hoverbarge is designed for use in extreme cold weather, down to -40°C. The hull has been built to Lloyd's certification and is due to be classified by The Russian River Register under an Experimental Flag.

Length: 45.0m, Width: 25.0m, Free Deck Area: 36m x 16m, Hover Height: 1.80m.

Ground Pressure on hover: 1 psi, Minimum Operating temperature: -40°C, Power: 4 x CAT 3412 Diesel Generators, Lift: 4 x Centrifugal fans, Accommodation: 5 twin en-suite bunk rooms (insulated for cold weather). Galley and Mess Room. Materials: Manufactured from EH36 steel.

Construction

Constructed as a mono hull, providing an extremely strong and lightweight structure. The steel used is EH36 grade for cold weather.

The hull has been tested and certified by Lloyds and the deck can withstand a load of 10 tonnes per square meter. There are two ramps on the Hover barge on the bow and stern, providing great flexibility for loading and unloading.

Skirt System

Using natural rubber suitable for the extreme cold weather the skirt finger provides a strong flexible system unlike high speed hovercraft. For extra protection against ice, a special patented wear pad on the front fingers has been included. This was developed after the experienced gained performing ice breaking using a Hoverbarge for the US Coast Guard. A spray skirt overhangs the fingers to reduce spray. The hover height

produce by the skirt system is 1.8m, allowing the Hoverbarge to move over uneven ground and objects.

Deck Area

The Hoverbarge has been designed to leave the large cargo deck area free, with D ring lashing points built within the deck. Two 20 tonne winches are provided to enable cargo handling along with four 5 tonne mooring winches. A hydraulic telescopic crane with an 8 tonnes capacity is situated at the bow of the Hoverbarge, excellent for recovering tangled anchors.

Deckhouses

The wheel house is fully insulated with a lobby and meeting table for comfort. The windows are heated along with heated wipers to allow good visibility in the extreme cold. The control panel allows precision adjustment of the fan to adjust the hover height, along with GPS, electronic compass, electronic charts, wind speed, VHF radio and PA system.

The galley provides all the amenities required for 10 people including a dishwasher, cooker, microwave, toaster, fryer, coffee machine and fridge. There is a separate hand wash basin from the main sink. The store room next door contains a further fridge and two chest freezers. The mess room is situated next to the galley, with a dining table, benches and a sofa area.

The accommodation comprises of 5 twin bunk en-suite rooms, with hand built solid wood furniture. All living areas are fully insulated for extreme cold weather, with all double glazed windows having the option of being closed by insulated covers.

