The Damen Transshipment Barge is specifically designed for working from ship-to-ship, ship-to-barge and for ship-to-quay. It can be equipped with a grab for dry bulk transshipment, a container-spreader for handling containers or a hook for throughput of all other types of cargo. The Crane Barge 6324 has a maximum turnover of more than 1,000 ton per hour.

The Transshipment Barge is developed with years of experience in the harbor and terminal market. This newly designed vessel is extremely flexible and highly fuel efficient with a shallow draught. It is being built for stock by Damen to ensure fast delivery and to answer customer demand. The accommodation includes air-conditioned cabins, pantry, change room, recreation room and a deck office.

LIEBHERR CBG 350 TRANSSHIPMENT CRANE
- Designed for high speed continuous operation under heavy duty conditions.
- An extended cabin ensures optimum visibility which leads to safer and more efficient operation.
- Crane suitable for grab, container spreader and hook operation.
- A color monitor and camera on the boom tip for view assistance on the operations.

DESIGNED FOR
SHIP-TO-SHIP, SHIP-TO-BARGE, SHIP-TO-QUAY

PROJECT PARTNERS

LIEBHERR
Cranes
Engines
Marine equipment
van der leun
Electrical installation

LIEBHERR CBG 350 TRANSSHIPMENT CRANE
Designed in close collaboration with Liebherr, one of the largest crane manufacturers in the world, this vessel has a dedicated heavy duty, high-performance four-ropes crane, designed for high-speed, continuous operation, even in challenging conditions. High stability leads to an increased turnover of more than 1,000 ton per hour. The Liebherr CBG 350 has a maximum lifting capacity of 35 ton in grab operation and 45 ton in hook operation, both at a maximum outreach of 36 meter. An extended cabin ensures optimum visibility for the crane driver, who has a clear view of the grab or hoisting operation. Safety and efficiency are further enhanced by a color monitor and a camera on the boom tip.
The Crane Barge 6324 is perfect to be used for:
- Transhipment at sea, coastal or inland
- Loading and unloading vessels up to Panamax and Cape Size
- Flexible crane capacity in harbors
- Creating flexibility in port logistics
- Upcoming ports and terminals
- On stream lightering

**DESIGNED FOR PURPOSE**

Because we worked together with end-users and equipment suppliers, the barge is designed for purpose. It can be used for a wide variation of operating scenarios at sea, coastal or inland. Comfortable accommodation makes continuous operation possible. 12 crewmembers have access to an accommodation which complies with European standards. From the control room a 360° angle view provides an organized and safe to work barge operation. Three double drum winches maneuver the barge alongside any vessel or quay and are also used for anchoring.

The large wooden deck can be used to store any goods and has integrated lashing eyes and container fittings to store containers and other cargo. A bobcat can be stored at deck-level and makes the barge even more self-sufficient in transshipment of dry bulk. Large cargo hatches create good accessibility to the lashing store and engine room. The barge itself is very stable to improve turnover and uptime. On top of that a ballast system is integrated in the barge to trim and stabilize it even more.

**WINCHES**

A total of three electric frequency controlled anchor/mooring winches (nominal pull 62 kN) with double drum are fitted. The direction of rotations can be reversed for lowering of the anchor. The winches are provided with a steel shelter on top to protect the winches against dust. An electric control station, 115kW – provided with frequency converter, is mounted in stainless steel box, fitted on winch foundation.

**DIMENSIONS CB6 6324**

- Length o.a. 63.0 m
- Beam o.a. 23.5 m
- Depth at sides 4.5 m
- Draught design 2.5 m
- Deadweight 1,700 t
- Deck area 750 m²
- Deck strength 15 ton/m²
- Gross tonnage 1,950 GT

**CRANE PERFORMANCE**

- Make: Liebherr
- Type: CBG 350
- Operation: grab and containers
- SWL grab operation: 35 t @ 12-36 m
- Hoisting speed: 0-60 m/min
- Luffing time: 12.36 m 62 sec.
- Nominal output: 2 x 345 kW

**STAN PONTOONS RANGE**

The Crane Barge 6324 is based on the renowned Stan Pontoons range. Damen builds these standardized pontoons for stock. The range is divided in beam sizes, with its smallest version being 11.4 meter wide and the largest measuring 36.0 meter.

A Stan Pontoons is flexible in design and construction because it is possible to leave out one section to build a smaller length pontoon. The Stan Pontoons 6324 is the basis for the Transhipment Barge.
ACCOMMODATION
Modern, spacious and comfortable air conditioned accommodation is provided for 12 crewmembers in line with the latest European standards. This includes a pantry with a fully equipped kitchen, changing room with lockers, showers and toilets, recreation room and a deck office.

SPACIOUS DECK / CRANE VISIBILITY
The Crane Barge 6324 boasts a large, 750 m² unobstructed wooden deck with a 15 tonne/m² deck strength for storing cargo and containers. The deck is fitted with integrated container fittings. Large hatches provide easy accessibility to the lashing store and engine room. The extended cabin ensures optimum visibility for the crane driver, who has a clear view on the deck. Safety and efficiency are further enhanced by a color monitor and a camera on the Boom tip.

ENGINE ROOM / BELOW DECK
The Damen Transshipment Barge’s engine room is equipped with a Van der Leun electrical installation and Caterpillar generator sets. Below deck, the Barge is designed to an optimal working arrangement, including a parts store, equipped workshop and lashing store.

LEFT TO RIGHT
STAN PONTOON 5224
STAN HOPPER BARGE
HEAVY LIFT CRANE BARGE

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