

Shipbuilding:

Luxury – Live – Anchors Away!

Broad horizons – that's what an ocean voyage means. In addition to the feeling of freedom, passengers on the BARON Yacht CATWALK also enjoy unlimited luxury. Realized with technology from Rexroth.



▲ Two 2,000-hp engines drive the 210 tonne vessel thus enabling it to plough through the water at a speed of 20 knots.

▼ Classical elegance: in the homely cabins there is a dominance of gentle color shades and fine materials.



Luxury has a name: CATWALK. With a length of around 40 meters, the super-yacht from the Kaiser shipyard at Saal-on-the-Danube, in Bavaria has what others can only dream about: 4,000 hp, 300 square meters of living space, 31 telephones, 8 televisions, two VIP and guest cabins respectively, one owner's cabin and a spacious penthouse. This makes the CATWALK a statement of discerning elegance – made in Germany. CATWALK leaves no-

thing to be desired: the floor is made from marble, the walls are polished stucco and the furniture are oak and rare zebrano wood. That its features include a jacuzzi, a fireplace and a disco practically goes without saying. And of course dancing in the disco is on a wooden floor made from 150-year old oak. At the heart of this truly extraordinary yacht is the catwalk that gives it its name, which is similar to an illuminated catwalk and runs



◀ A glimpse of the multi-functional penthouse that also doubles as a disco.

▼ Full steam ahead: On board the CATWALK the passengers embark on a voyage of pure luxury.



“The CATWALK leaves nothing to be desired: the marble floor, the walls made from stucco-luster and the furniture from oak or rare zebrano wood.”

like a motif through the entire yacht.

“Each customer is free to choose,” explains Monika Tschauder, proudly adding: “We are the only yard of this size to build on the principle of everything being “made in ‘Germany’.” Apart from large supplier components such as the engines, at the Kaiser Shipyard all work is carried out on the premises: in their own joinery workshop, upholstery section, metalworking shop, paint shop and in the technical and electrical department.

The specialists need a good 13 months to build a yacht of this type – from the construction of the fiberglass hull through to launch. This luxury comes with a price tag. Around eleven million Euros is the amount you will need to stump up if you want to call this luxury yacht your own.

Sheer Power

The vessel, which weighs 210 tonnes and is capable of 20 knots or 37 kilometers per hour, is powered by two 2,000-hp MTU 16-cylinder engines. The Catwalk’s interior, with its sophisticated controls and impression of sheer power, is also imposing. The Catwalk is a yacht with Drive and Control.

One of the items that Rexroth supplied for this is the comprehensive hydraulic system. At the heart of the main drive are four pressure controlled axial piston units. Two each of the compact and powerful axial piston pumps are flange-mounted directly on the main machines. The main lines to the forebody and to the afterbody of the ship are supplied from a central control block. In addition, innumerable proportional valves control position, power and speed: the rope and anchor winches at the bow of the vessel are,

like the winches in the stern, fitted with proportional valves so as to enable the necessary high levels of force to be sensitively distributed.

For precision docking maneuvers, the vessel is equipped with powerful hydraulic bow and stern thrusters with capacities of 74 kW and 56 kW, also operated by means of proportional valves. Operating elements from Rexroth enable the captain to not only control these functions but also operate the principal machines both from the command bridge and via remote control.

Rexroth supplied MTU, a customer-specific command transmitter specially adapted to the electrical remote control system. The basis for the design of the MTU was the type 240 transmitter of the Marex OS II remote control from Rexroth – optimum cooperation for maximum customer focus.



▲ Technology from Rexroth makes every voyage on the CATWALK into a safe and luxury experience.

◀ Aesthetics: The modern body language of the CATWALK complements the clear line of the horizon.

More Freedom

Passengers “enter” Catwalk in the first place via the side gangway – and even here a number of hydraulic functions are concealed. In the area of the main entrance the steps descend silently on to the landing stage, the doors of the yacht also open noiselessly and the railings are erected as if by a ghostly hand. The door to the tender garage at the stern end also opens by means of hydraulic technology. The dinghy glides gently out on a large slide and is lowered carefully on to the water. Even extending the bathing platform with its teak planking up to a distance of 1.5 meters is not a problem thanks to intelligent hydraulics.

A sophisticated electronic control ensures that all these movements proceed without any problems. A compact switch cabinet with high performance capability also makes usa-

ge- and manoeuvre-dependent performance management possible due to its integrated PLC along with open and closed control of the innumerable hydraulic axes. Here the available hydraulic capacity is distributed over the valve controls taking into account the travel situation. In addition to the functions of comfort and convenience, it is primarily the safety aspects that come to the fore

in this control.

This is reflected, for example, in the fact that the fins of the stabilizer system can be adjusted quickly and effectively with Rexroth proportional technology so as to avoid any rolling of the yacht in heavy seas. This means that the passengers can enjoy one thing above all: unbounded luxury on the boundless ocean. ■



Contact:

Gerhard Kern
Sales Germany,
Region South
Bosch Rexroth AG
Hydraulics
Munich, Germany
Tel.: +49 (89) 127 14 313
Fax: +49 (89) 127 14 391
E-Mail: gerhard.kern@
boschrexroth.de



Contact:

Elmar Glock
Application Center Industrial
Hydraulics
Branch-specific
Drive Technology
Bosch Rexroth AG
Lohr am Main, Germany
Tel.: +49 (9352) 18-1143
Fax: +49 (9352) 18-40 1143
E-Mail: elmar.glock@
boschrexroth.de