

## **Pumps from Radolfzell for the worlds largest single-masted sailing ship**

**(Radolfzell) Allweiler AG is exclusively equipping the worlds biggest single-masted sailing ship with pumps. The mega sized yacht with 75 m in length has a sail size of 2800 m<sup>2</sup>. The owner, an American millionaire, engaged for the building, the best manufacturers and suppliers. All the eleven pumps of the mega-yacht - for the engine, the hydraulics, the water- and fuel supply are delivered by the pump specialist in Radolfzell.**

In Southampton (England) the worlds biggest single-masted sailing ship is being built since June 2001 in the Vosper Thornycroft ship yards. The sailing ship belonging to the multimillionaire Joe Vittoria is 75 m long and the mast is 82 m in height. Thereby the yacht is only 5 m shorter than the German sailing school ship „Gorch Fock“ and her mast is double as high as any of the three masts of the „Gorch Fock“.

Technical engineer of the yacht is Ron Holland, the design is done by Tracey Comareggio, the interior design made of mahagoni comes from the furniture carpenters of Nicholson Interiors. Together with these specialist is also the German company Allweiler AG from Radolfzell on lake Constance. The tradition enterprise delivers for the "Mirabella V" all eleven pumps – from the engine room, over the water supplying up to the hydraulics, that drive the 150 ton keel and the giant sails. The main sail and the foresail have a surface of 2.800 square metres – nearly half a football field in size and around half the size bigger than the „Gorch Fock“s three sails.

Despite the size, the super yacht is a relatively small project. The enterprise has specialised since 1860 on pumps for many different areas of application. Marine- and Offshore-groups are one of five focal areas, for which pumps are manufactured. The offers range from small drinking water supply pumps of the NI 32-125 series up to MA/MI 350-250 used as main cooling water / ballast pumps. These pumps convey up to 34 m in height, the maximum performance lies at 2400 m<sup>3</sup>/h with sea water and 1200 l/min. Together 800 people manufacture over 100.000 pumps a year exactly to fit customer requests – from trawlers up to super tankers.

For the „Mirabella V“ Allweiler AG delivers three volute centrifugal pumps of the NISM 50-200 (bilge and fire extinguishing installations) series, a centrifugal pump NB 32-125 as a sea water pump, a low pressure centrifugal pump TRL 80 R46 for fuel conveyance, two AEB 1 E 0050 eccentric spiral pumps for waste water and dirty oil, two

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**Editorial**

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IMO-lubricating pumps and a volute centrifugal pump SOB 213 for fresh water supply.

The centuries of experience and the reliability of the pumps from Radolfzell were an important criteria for this decision. Bob Allen, who has been having the ship yard under his care on the spot for years: „We have been delivering pumps for different types of ships to this ship yard for years. We had been therefore asked as the first deliverer, and could make a suitable offer straight away.“ Due to the years of experience with marine pumps and the wide product range Allweiler offered pumps, light in weight and compact to build, cheap, but still guarantee long life. Peter Dietrich, marine order handling coordinator at Allweiler AG: „Generally nearly all pumps are suitable for operation on Mirabella V. We chose the types that ran the longest and most economical.“

High quality materials as G-CuAl10Ni instead of RG-10 as a material for the housing and the impeller for the centrifugal pump, stronger dimensioned shafts in stainless steel instead of weaker shafts, made of normal steel, efficiency optimised impeller geometry as well as polished spindles for screw pumps instead of milled spindles, large-scale dimensioned housing as a guarantee for long life as well as machine dynamic optimised drive units (arrangement and dimensioning of the bearings, placing of sealings) mark all Allweiler pumps.

moreover: The new luxurious yacht, with cabins that compare to hotel rooms of the highest class, can be chartered from 2004 on for 200.000 dollars a week.

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Allweiler AG is the oldest German pump manufacturer (founded. 1860) and european leader on the market and in technology with centrifugal-, propeller-, screw-, eccentric spiral pumps, and macerators as well as peristaltic pumps. Allweiler AG owns its own foundry and constructs ready for use fuel installations. Since 1998 Allweiler AG is part of the Colfax Pump Group, that is the world wide leader in the manufacturing of pumps. With 1150 employees Allweiler AG reached in 2001 a turnover of 126,2 Mio. EUR (previous year 117,5 MEUR). 2002 135 Mio. EUR are planned.

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