



SANY Reach Stacker SRSC45E5

IMAGE SOURCE: SANY Europe GmbH

Electrically powered port machinery from SANY

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Sustainability is what drives us

SANY invests a great deal in the research and development of vehicles and machines with alternative drives. In China and Southeast Asia, 100 SANY empty container handlers and 40 SANY reach stackers with electric drives are already in use. Now, SANY is also bringing its electrically powered port machinery to the European market.

On the path to zero emissions

The EU has set the ambitious goal of cutting greenhouse gas emissions by at least 55% by 2030. A key role in achieving this is played by the transport and industrial sectors. In this context, the type of drive plays a major role when purchasing new port machinery. With the use of regenerative electricity, completely emission-free operation becomes possible with fully electrically driven machinery. Jürgen Keller, product manager at SANY Europe, explains: "Many customers are aware they need to change their machinery purchases quickly if they are to significantly reduce CO2 emissions across their fleet by 2030 and comply with EU requirements for reduced emissions. At customer level, I expect to see more discussions about this in the next 6-12 months."

Also available in Europe from 2023

The experience that SANY has already gained in practical applications in China and other Asian countries has been permanently integrated into the further development of machinery. In addition to excavators and trucks, electrically driven empty container handlers, reach stackers and terminal tractors are now in everyday use there. Adaptation to European standards and operator habits, combined with successful certification, have given the green light for electric port machinery in Europe. The machinery is scheduled for delivery in the first half of 2023.

Charge smart, drive longer

One of the most important hurdles that electrically driven machinery must overcome is the recharging process. It's clear that operators strive to have as much operating time as possible. This equates to: Smart charging. One approach is opportunity charging, for example, by setting up charging stations in the canteen area. The batteries can be recharged there while the operator takes a coffee break. 10 to 15 minutes of charging are enough to regain sufficient power for the next task. Longer charging is then performed during the lunch break.

Other alternatives for reducing emissions

In addition to its fully electrically driven machinery, SANY also offers a hybrid reach stacker. Its two drive types (combustion engine and simple hydro-pneumatic drive) contribute to a 20% reduction in emissions. Another option is the use of biofuels. All SANY mobile port machinery that is equipped with a Stage V engine can run on biofuels in addition to conventional fuels.

Disclaimer

SANY Europe is a SANY Heavy Industry company based in Changsha, China. It is one of the three biggest construction machinery manufacturers worldwide, with sales of around USD 27 billion in 2021. Founded in 1989, the company offers a broad product portfolio including more than 26 product families and over 300 machine models. These products are developed, produced and sold by almost 40,000 employees worldwide.

Since 2011, SANY's European head office has been located in Bedburg near Cologne, Germany. Around 90 people are employed there in sales, service and product adaptation for the European market. With the help of more than 100 dealers across Europe turnover was over 100 million euros in 2021.

The SANY Europe portfolio focuses on construction machinery such as excavators and wheel loaders, as well as port machinery. The SANY site extends over about 14 hectares and includes a production facility and warehouse. The company's own paint shop, administration building and the SANY Hotel are also located on the site.

The world-renowned brand Putzmeister, headquartered in Aichtal near Stuttgart, Germany, is also part of SANY Heavy Industry.

Source: SANY Europe GmbH