

Mobile demolition machine 825 E-Series: the perfect addition to the machine park for selective dismantling, sorting and loading!

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One thing is known for sure: saving operating costs and acting flexibly on construction sites are among the greatest challenges that successful demolition companies face. However, the perfect machine for the job, one that leaves nothing to be desired, must first be picked from the numerous options available on the market. A mobile demolition machine from **SENNEBOGEN** with quick-change system installed on the grab stick combines the best of both worlds: It impresses with the qualities of a material handler designed and thoroughly proven to withstand continuous use in scrap yards, namely efficiency, endurance and reach. Additionally, it also has the classic features of a robust and stable demolition excavator. A decisive, further advantage, however, is that a mobile demolition machine can be moved even more easily and quickly from A to B – the ideal addition to the fleet for smaller, inner-city demolition projects.

Demolition machines must reliably do their job: tearing down, crushing, transporting and loading. Important criteria in the search for the right machine for the job are whether the machine and hydraulic system have the necessary power for the operation, the smallest possible rear radius, and the selection of the required attachments. The latter should be as flexibly interchangeable as possible, as the intervals between demolition and sorting activities may vary from hour to hour, depending on the storage capacity on the construction site. At the same time, a comfortable and safe working environment must be created for the operators of the demolition machines, in which they feel at ease all day long. SENNEBOGEN's 825 Mobile E-Series fulfils all of these factors, but it can do even more: The mobile material handler used in demolition projects with a powerful and economical 129 kW Stage V diesel engine becomes a multifunctional all-rounder on demolition sites and scores with precision, especially in narrow spaces.

All tasks on the demolition site combined in one solution

The days when many different construction machines could be seen on demolition sites are now a thing of the past. Indeed, there is a clear trend towards optimized machine park planning to minimize downtimes, in order to make the best possible use of the operators' manpower and thus reduce costs. Moreover, the space available in densely populated inner cities is usually not sufficient to further restrict the narrow working area with unused machines.

Just like a Swiss army knife, SENNEBOGEN's mobile demolition solutions in machine sizes 817 to 825 therefore offer a wide range of possible uses: from selective dismantling, i.e. the targeted deconstruction and subsequent sorting of building components, the crushing of components with concrete pulverizers and demolition shears to the loading of demolition waste into trucks or storage containers. In the case of the 825 E-Series, this is particularly easy to achieve in practice thanks to a fully hydraulic quick-change unit at the end of the grab stick, allowing the operator to switch from bucket or shear to sorting grab use in just a few minutes. In addition, the powerful hydraulic circuit guarantees reliable and precise working, including shear applications weighing up to 2.5 t at a reach height of up to 14 m.

Compact, flexible and easy to transport

Two factors determine the success of construction sites: whether the time planned in advance was sufficient and whether the available resources were used efficiently. Here, too, mobile demolition solutions offer a decisive competitive advantage: No matter where there is demand on the construction site, the maneuverable driving machines can change places without any complications and immediately proceed with the next task. When used for classic overhead demolition work, the machines also excel with the optional 30° tiltable cab, providing the operator with a better view over his working area. The same applies to truck loading, as the tilting operator's cab can also be raised smoothly. At a comfortable viewing height of 5.7 m, operators can look into the insides of a truck all the more easily and thus distribute the load more safely.

When purchasing demolition equipment, in addition to versatility on the construction site, attention must be paid to how they can be handled in daily use. Especially costly heavy-duty transports can have a strong impact in the long run: a figure that should be kept as low as possible. SENNEBOGEN has therefore developed special transport kinematics for the 825 E-Series demolition, whereby the machine is transported in its entirety without removing the stick or counterweight. Thanks to it being a mobile version, the machine is ready to start in just a couple of minutes as soon as it has been driven off the low loader.

Maximum safety and efficiency

To protect both man and machine equally, there are numerous additional features that prove themselves useful on the construction site. The Maxcab, for example, can be equipped with a safety package on request. This includes protective grilles on the roof and front windscreen as well as bullet-proof glazing on all windows to keep potential dangers away from the driver and machine. Optional protective plates for the cylinders ensure that the piston rod remains permanently intact.

Not only does the cab's 30° tilt contribute to the driver's good overview of his entire working area, but also the two security cameras on the right and at the rear provide additional support. They transmit their signal to a screen in the cab, which is particularly important when slewing maneuvers are carried out on narrow demolition sites to ensure optimum monitoring of the machine's 2.8 m rear area. Additional cameras, for example on the stick, can be installed on the machine at any time if desired.

Thanks to a wide range of different technologies, all of which are represented by the term "Green Efficiency", diesel-powered SENNEBOGEN machines operate with particularly low emissions, low wear and tear and save energy. With a glance inside the machine, operating costs can be reduced significantly, e.g. thanks to the built-in hydraulic pump that pumps the oil through large-scale valves and hoses, according to the lifting or demolition task to be carried out. The entire hydraulic circuit is thus relieved by means of a lower system pressure, which results in a proven reduction in wear on pressure-sensitive components. Energy-intensive auxiliary consumers such as the fan are also thermostatically controlled in SENNEBOGEN diesel machines and are therefore only activated when required. EcoMode, automatic idle and automatic stop reduce diesel consumption to a minimum, when handled optimally by up to 25%. These intelligent, ex-works installed engine speed control systems help demolition professionals to reduce operating costs sustainably – without the need for separate operator training.

Source: SENNEBOGEN Maschinenfabrik GmbH