

Liebherr A 924 Litronic wheeled excavator at Steinexpo 2017

- Operating weight of between 21.5 and 26.5 tonnes
- Above average performance and high levels of efficiency
- Comfortable and safe work station for efficient operation

Homburg (Germany), 30 August 2017 – At Steinexpo 2017 Liebherr will showcase the A 924 Litronic wheeled excavator with the new concept, which ensures compliance with Stage IV / Tier 4f emissions standards. The machine has an operating weight of between 21.5 and 26.5 tonnes and an engine power of 140 kW / 190 HP. Additionally Liebherr presents the SG 30B stone tongs attachment. It is a special version of the sorter grab designed for the safe and efficient movement of large stones and blocks of stone.

The A 924 Litronic combines above average performance with a high level of efficiency and is ideal for use in traditional earthmoving as well as in quarrying. The Liebherr wheeled excavator performs a range of tasks in quarries. It is suitable for mining, transport, crushing and sorting material, road construction and cleaning.

The machine on display at Steinexpo 2017 has a 2750 mm wide undercarriage with dozer blade at the rear and has a heavy counterweight that provides greater lifting capacities. The equipment includes a 5.8 m long adjustable boom with central lubrication, a 2.65 m dipper arm with Liebherr's SWA 48 quick coupler system, including LIKUFIX, and 0.85 m³ capacity SG 30B stone tongs. The PowerLift option also included in the configuration ensures higher lifting capacities in the immediate vicinity of the machine, which results in increased productivity.

More power, lower consumption

The Liebherr A 924 Litronic wheeled excavator is installed with a newly-developed Liebherr diesel engine that is highly efficient. This current engine generation benefits from Liebherr's innovative SCR technology. This consists of an SCR catalyst system and other components such as an injector and AdBlue® solution. A particulate filter is

not required but can be installed for special construction site requirements. The complete system reduces exhaust gas emissions effectively and has no negative effect on performance.

The wheeled excavator has a new hydraulic concept with a total delivery rate of 602 l/min. Large hydraulic tool attachments and implements can also be used very efficiently. The separate hydraulic pump in the closed slewing circuit only supplies the swing mechanism with hydraulic fluid. The maximum delivery rate is therefore always available for turning the upper carriage and ensures fast and dynamic rotary movements.

Thanks to the innovative Liebherr Power Efficiency system (LPE), which optimally regulates all the new Liebherr wheeled excavators' power management processes, fuel consumption is considerably reduced. The proactive intervention in the engine management system, adjustment of the swing angle of the hydraulic pump and of the engine speed together provide optimum efficiency of the drive components in every work situation.

Comfortable cab

The new cab impresses with optimised safety and additional comfort. It is one of the largest cabs in this machine class. A foldable armrest, which provides the machine operator with enhanced safety when getting in and out of the excavator, is included in the standard equipment. The optional Premium driver's seat can be independently set to the weight of the machine operator and offers integrated seat cooling. The radio can be operated simply and conveniently via the central display. The standard operation of the stabilizers via the joystick's proportional controls also offers greater comfort. When moving the machine, the operator does not need to change grip and is able to complete levelling work with dexterity and precision. Other standard equipment, including the wiper for the lower windscreen, spacious storage options, easy-to-clean floor mat and four-dimensional adjustable armrests, add to the comfort of the cab.

Simple maintenance

The service-orientated layout of the machine guarantees short maintenance periods and minimises associated maintenance costs. All components of the new A 924 Litronic that need to be serviced are clearly arranged. Service doors that open out wide and lock automatically make these components easy to reach. The engine oil, fuel, air and cab air filters are easily and safely accessible from the ground.

When servicing is required, Liebherr's dense service network is able to provide short response times. Service technicians trained by Liebherr perform service and maintenance tasks on site quickly and in accordance with manufacturer specifications. This minimises downtime, increasing the productivity of the machine as a result.

Experience that has proved its worth

Key components including the diesel engine, SCR technology, hydraulic components, electronics components, swing ring and swing drive are developed, tested and produced by Liebherr. The great depth of in-house manufacturing experience guarantees the highest level of quality and provides optimal configuration of components. All steel components are also designed and manufactured by Liebherr. Designed from steel plates for the toughest requirements and applications, they provide high torsional rigidity and optimal absorption of forces for a long service life.

Efficient thanks to compatible tool attachments and implements

The SG 30B stone tongs attachment is a special version of the sorter grab designed for the safe and efficient movement of large stones and blocks of stone. Here again Liebherr uses a very high proportion of in-house produced components. The large swing ring and massive hydraulic cylinder, as well as the inner hydraulic lines for attachment with LIKUFIX, ensure a longer service life for tool attachments and implements. Buckets are secured to the mounting with Passfix bolts. The sealed and play-free bearings guarantee a high level of reliability. Thanks to the high clamping force, the material has a firm and safe grip at all times. Precise, sensitive rotation of the stone tongs is also possible. The lightweight yet stable steel structure enables higher lifting capacities with fuel consumption simultaneously low. A central lubrication

system, hose protection for the cylinder hoses and a shut-off valve, which prevents the grab opening if the pressure drops, can also be included on request.

Liebherr also has a heavy lift version of this machine type available. The A 924 Heavy Lift Litronic is the largest serial wheeled excavator built by Liebherr. This wheeled excavator has an operating weight of between 26.5 and 28 tonnes and an engine power of 160 kW / 217 HP.

Captions

liebherr-mobile-excavator-a924.jpg

High-performance and efficient: the Liebherr A 924 Litronic wheeled excavator

liebherr-stone-tongs-sg-30b.jpg

The Liebherr SG 30B stone tongs attachment impresses with the perfect combination of stability and lightweight design for increasing the load bearing capacity whilst keeping fuel consumption low

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