



Liebherr R920 Tracked Excavator

MACHINE OVERVIEW

Our Liebherr R920 tracked RRV is the outcome of extensive collaboration between Story Plant, Liebherr GB and A J Hargreaves. The final product is a 31t excavator with compact dimensions which is focused on providing fast excavating cycle times with a larger capacity, providing exceptional output for our clients.

The machine also has an enhanced lifting capability through a full 360° rotation and an 80t towing capacity, providing the perfect mix of capability and versatility on site.

To enhance safety and sustainability performance, all operator checks are carried out at ground-level to minimise working at height with the machine also offering the lowest possible emissions due to its Stage V compliant engine.

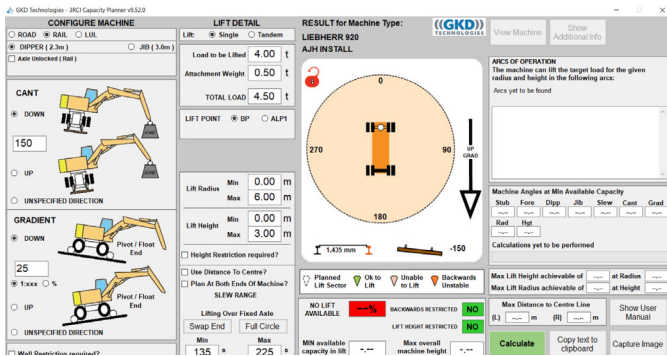
WORKTYPE SUITABILITY

The capability of the Liebherr R920 is focused on efficient cycle times, this has been proven with its breakout force and bucket capacity, significantly increasing production.

The R920 has been specified to be suitable for all rail environments and maintains efficient performance in areas where OLE is present. It is also compatible with our full range of attachments to carry out any renewal or maintenance activity. These attachments include:

- Grabs
- Clamshells
- Rail Beams
- Thimbles
- Auger/Torque Head Drive Units
- Ballast Brushes
- Tamping Banks

GKD PLANNER



The R920's GKD Capacity Planner allows for fast and accurate lift planning to be carried out before a shift.

Data derived from extensive tip testing during the calibration of our innovative unit forms the basis from which the planner is able to determine the machine's true lift capacity under all track conditions.

By simply inserting details such as working cant, working gradient, lift load weight and lift radius, the GKD Planner for this machine will automatically provide the user with the maximum height at which lifting duties can be performed. When clicking 'View Machine' the lift planner is able to confirm the machine configuration is as planned.

This information can then be used to ensure the machine is able to complete all required tasks within the site's specific conditions.

The Liebherr R920's GKD Capacity Planner can be accessed online at: <https://storyplant.co.uk/plant-hire/liebherr-r920/>

SPECIFICATION

Operating weight	31.6 tonnes
Engine power	110kW
Engine emission compliance	Stage 5
Noise level in cab	68dB
Max hydraulic pressure	350 bar
Max breakout force	100kN
Capacity	1.6m ³
Maximum cant (on tracking, travelling, working)	150mm
Height (rail mode)	3.38m
Height (road mode)	3.03m
Gauge exceedence	0.67m
Any Line Open Working	Yes
Working under live OLE	Yes
Rhino Horn compatibility (ALO compliant)	Yes - 3m only
Working Speed (on rail - plain line)	5mph
Travel Speed (on rail - plain line)	15mph
Working at height	All checks from ground
Dig depth	5.9m
Maximum reach	7.7m
Towing capacity	80t
Ground pressure	0.78kg/cm ²
Lift capacity @ 6m radius, 1.5m height, 360° rotation	5.25 tonnes

