



Liebherr Material Handlers

Different industries require different options to standard earthmoving equipment and Liebherr have introduced a range of machines dedicated to the material handling sector, each specifically tailored for the task at hand. A complete line of LH designated (Liebherr

Handler) excavators are now available, from the largest LH120 M wheeled machine which is ideal for dock side loading & unloading to the smallest in the range, the LH22 M which is suited for small handling operations in scrap or recycling yards.

The LH80 M weights in around 78 ton with an

engine output of 313hp and features a 2 axle wheeled undercarriage with four outriggers for efficient manoeuvrability around the job site. Fitted with the maximum length boom and dipper, the machine has a range of over 23 metres while a choice of fixed or hydraulically elevating cabins

give the operator an excellent view of the surroundings. A unique Liebherr feature is the ERC system consisting of a large cylinder connected to the boom which stores energy as the boom lowers which is then used during the lift cycle to increase lifting efficiency, resulting in lower fuel consumption and



Above: The L580 has been specifically developed for the efficient handling and loading of timber.

greater performance. This system won the innovation award at the 2010 Bauma.

The smaller LH24 M wheeled handler offers a reach of over 12 metres with different stick options allowing for different work tools to be utilised including clamshell buckets, magnets, 5-tine grabs and sorting grapples. Based on a chassis with 4-point outriggers for stability and a power-shift

transmission propelling the machine to a maximum speed of 20km/h, the latest Stage IIIB 4-cylinder diesel engine generates 143hp and the new generation cabin offers excellent comfort.

When it comes to wood handling, the interesting design of the L580 log handler certainly gives the machine a rather unique and unusual appearance. Specially designed for



vertical lifting, it can unload timber carrying trucks with ease while the 360 degree rotating grapple allows precision placement of the load. The machine is based on the L580 wheel loader with an articulating frame and rear mounted engine. The Industrial range of wheel loaders are equally well suited for material handling duties with an alternate bucket linkage geometry providing more lifting power while the hydraulic coupler allows different work tools to be deployed, including pallet forks and log grapples.

Liebherr L580 Log Handler

The 1:50th scale L580 log handler has been produced in China by NZG and has authentically captured the functionality of the full sized machine very well. The main loader arms have a very good range of movement with integrated protective grills for cabin protection and protective covers over the hydraulic pistons. The grapple has 360 degree rotation with wide opening jaws and integrated inner clamping jaws which are functional, mounted to the arms on a pivoting linkage. The front chassis frame has an adjustable hydraulically powered stump ram with an articulating frame and good detailing of the engine compartment with highlighted cooling grilles and accurately scaled metal safety railings

Liebherr LH24M Handler

Based on the same main body as the A920, the LH24M material handler from Conrad is another great addition to the Liebherr range, sporting some very good detailing not usually associated with Conrad which really increases the authentic appearance of the

Right and Below: *Top Caption Right & Below: NZG have done a great job of capturing the imposing looks of the L580 log handler with great levels of functionality.*



Right and Below: *The Conrad LH24 packs a punch with never before seen levels of details from the German manufacturer.*



model while retaining Conrad character. The four outriggers are functional to raise the undercarriage into the air while the double style tyres have a good tread pattern with a steering axle. The cab has a modelled interior and is fitted to a hydraulically controlled cab riser which keeps the cab parallel to the ground through the full range of movement. The hydraulic



hoses added to the model really do look good with an authentic range of movement of the boom and stick and a 360 degree rotating sorting grapple fitted to the linkage, ideal for recycling operations

Liebherr LH80M Handler

The Liebherr LH80M material handler has been produced by NZG in 1:50th scale and features a rigid undercarriage with steering axle and four-point lowering outriggers which allow the model to



Above: The LH80M offers a height adjustable cabin with working outriggers and detachable five-tine grab.

Below: The LH24 is fitted with a perforated sorting grapple, ideal for waste handling duties.

be posed with the wheels raised off the ground. The main body design has been authentically captured with a hydraulically operated elevating cabin fitted with a side access platform that has an intricately etched mesh walkway and metal safety railings. The all-metal 5-tine cactus grab has opening jaws and 360 degree rotation while the industrial straight boom and stick have been completed with hydraulic hosing for added realism. The paint finish is excellent with crisply printed markings and Liebherr designations.



Model Details	Model Details	Model Details
L580 Log Handler	LH24M Handler	LH80M Handler
Manufacturer / Cost	Manufacturer / Cost	Manufacturer / Cost
NZG / £90	Conrad / £100	NZG / £120
Scale	Scale	Scale
1/50	1/50	1/50
The Good	The Good	The Good
Authentic movement of the loader mechanism.	Excellent fine detailing throughout.	Working grab, elevating cabin, stiff outriggers
The Not so Good	The Not so Good	The Not so Good
Nothing to Mention	Nothing to Mention	Nothing to Mention
Verdict	Verdict	Verdict
★★★★★	★★★★★	★★★★★