



ENVIRONMENTAL DECLARATION

VOLVO ELECTRIC WHEEL LOADERS



Environmental declaration

ELECTRIC WHEEL LOADERS

Environmental characteristics below specified by the manufacturer, relate to machines leaving the manufacturers production line.
For other technical specifications, see specification sheet and operator manual for the respective machine.

MANUFACTURER

Volvo Construction Equipment AB
S-63 185 Eskilstuna
Sweden

| Model | JL120H | |
|---|----------|-----|
| Type | Electric | |
| Electric motor power driveline EM214-230 | kW | 121 |
| Electric motor power hydraulics EM214-230 | kW | 121 |

CORE VALUES

Quality, safety and environmental care are Volvo's core values. They are designed from the beginning into the product's entire service life. This includes design and engineering, material selection, manufacturing processes, use and recycling.

MANUFACTURERS

The assembly of the complete machines takes place at one of Volvo Construction Equipment's production plants. Our production facilities are all certified according to ISO 14001.

Many of our components and parts are purchased from external suppliers. Volvo Construction Equipment works closely with these suppliers in order to safeguard the environmental requirements for purchased components and parts.

DECLARATIONS

Upholstery and other materials in the cab do not contain mercury.

Plastics and other interior materials are fire-classed according to Volvo Standard 5031,1. (104-0001)

Brake pads do not contain mercury, cadmium or asbestos.

The complete machine does not contain any mercury, cadmium or asbestos.

If the machine is equipped with air conditioning (option), refrigerant type R134A (0.5 – 1.8 kg/1.1 – 4.0 lb) is used.

PAINT AND SURFACE TREATMENT

In order to reduce solvent emissions, the machines are painted using (high solid) powder paints and water-based paints. To reduce consumption of water and chemicals, cleaning and recirculation takes place during the pre-treatment processes in the factories.

SOUND LEVELS

If the machine is specified for sale within the EU, it is certified according to EU Directive 2000/14/EC, (external sound power level). A decal with external sound power level is found on the machine. For further information about sound levels please see the operator's manual.

| Model | JL120H |
|---|--------|
| External sound power level, dB(A) | 99 |
| Sound pressure level, LpA dB(A), standard | 71 |
| Sound pressure level, LpA dB(A), optional | - |

OPERATOR'S ENVIRONMENT

Incoming air from the cab first passes a pre-filter which separates larger particles and then passes via the main filter in to the cab. 60-90% of all air recirculates and is filtered again. Approx. 10% is always fresh air, giving an overpressure in the cab, making sure that no air enters the cab except through the filter system. This provides a cleaner working environment. All air, both recirculated and fresh air, is always filtered in the main filter.

SERVICE

For bleeding air from the rear axle, transmission and hydraulic oil tank there is a breather filter to reduce appearance of any oil mist. The hydraulic tank as well as the rear axle has a protective valve in the breather filter, minimizing leakage in case of machine turn-over/rollover.

For service intervals and other maintenance, see applicable operator's manuals for each respective machine model. Further on to reduce the overall maintenance and service we are using maintenance free inverters, electric motors and Lilon-Batteries for the JL120H ELECTRIC.

OILS AND FLUIDS

Ethylene glycol coolant is filled at the factory.

Biologically degradable oil for the hydraulic system is available as an option. We recommend the following oil; this is also available as option. Besides we refer to the respective operator's manual.

- Volvo Biodegradable Hydraulic Oil

TIRES

Tires without high-aromatic oils (HA-oils) are available from our suppliers.

RECYCLING

Volvo Compact Wheel Loaders are designed from the beginning for recycling at the end of their useful life cycle. Materials can be reused in new Volvo Construction Equipment or other products.

According to our own calculations 91% of the machine's weight is recyclable. Most of our plastic parts are marked for recycling according to Volvo Standards 5052,41, 5042,411 as well as 5052,412.

| Machine model | Units (rounded) | JL120H |
|--------------------------------|-----------------|--------|
| Steel & Iron | kg | 13662 |
| Cooper | kg | 146 |
| Aluminum | kg | 145 |
| Glass | kg | 74 |
| Polymer & Rubber | kg | 215 |
| Tires | kg | 1200 |
| Fluids, Oil / Chemicals | kg | 305 |
| Lead batteries | kg | 91 |
| Bronze bushings | kg | 33 |
| LFP Batteries | kg | 1776 |
| Others | kg | 1909 |
| Total weight of machine (MUC*) | kg | 19556 |
| Recyclability rate | % | 91 |

* MUC = Most Usual Configuration

* Varies depending on equipment, e.g., tires and bucket.

The calculation of the weights is based on defined machines. Variations are caused by different equipment.

These material fractions can be recycled (material and energy recycling) where such recycling possibilities are available.

PRODUCER RESPONSIBILITY

In most countries today, there is a producer responsibility for our products, applicable to components such as batteries, tires etc.

There are special regulations for these components.

For further information, please contact your dealer.

Not all products are available in all markets. Under our policy of continuous improvement, we reserve the right to change specifications and design without prior notice. The illustrations do not necessarily show the standard version of the machine.

Machine model

Delivery date

Machine's serial number

Place for stamp

VOLVO

Volvo Construction Equipment

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