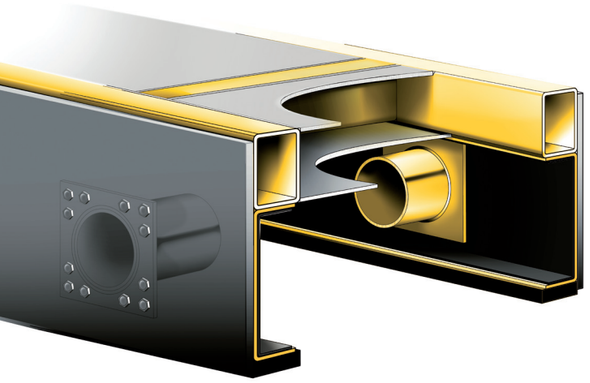
https://truckmanualshub.com/



SISU Crane frame

Crane trucks based on truck chassis have to be reinforced along the entire length of the frame, so there is no escaping particularly tough disassembly work when reinforcing the chassis.

The SISU Crane frame is based on a 300 mm-high U-profile frame whose reinforcement structures are designed for a crane to withstand torsions caused by lifting without compromises. As a result, no difficult disassembly work is required.

The SISU Crane frame is designed and manufactured to meet the demands of its intended use. There is no disassembly or reassembly, and the crane's suitability is guaranteed right from the start. The end result is a sturdy, torsionally rigid, lightweight and high-quality frame that performs reliably in lifting and has a long lifespan.

Technical information

Frame	Cabin	
SISU high U-profile U-300 frame	Day cab	
	Sleeper cab	
	Sleeper cab, high roof	
Engine		
Mercedes-Benz OM501LA, V6	power 350 kW – 480 hp	torque 2300 Nm
Mercedes-Benz OM502LA, V8	power 405 kW – 550 hp	torque 2600 Nm
Mercedes-Benz OM502LA, V8	power 440 kW – 600 hp	torque 2800 Nm
Transmission		
Mercedes PowerShift G280-16	unsynchronised fully-automated transmission	
Mercedes Telligent G240-16	synchronised transmission clutch pedal-operated Telligent gear change	
Vehicle steering system	**Vehicle suspension system**	
Mechanical-hydraulic, number of axles adapted in relation to size of chassis and location of steering axles.	Steel, trapezoid or parabolic-type leaf springs, and compressed air suspension on some of the axles, several different alternatives.	
Superstructures		
Factory-fitted superstructures specially developed for SISU Crane based on customer needs and wishes, providing the opportunity to select all the latest accessories for the crane trucks. Furthermore, many accessories have a number of alternatives regarding structure, material, etc. In the structures and their tailoring, efforts have been made to create an end-product that is as fit-for-purpose as possible.		
Axles		
Heavy-duty axles developed for the most demanding conditions. Our wide axle range provides the opportunity to select the axle combinations and transmissions that best suit each type of vehicle. Load capacity on front axles 9–10 tons, and 19–22 tons in the bogies. Brakes electronically controlled pneumatic brakes, disc brakes on the front axles, drum brakes on the rear axles.		

SISU reserve the right to make changes without further notice. 10/2011

Oy Sisu Auto Ab
Tammisaarentie 45
FI-10300 Karjaa
Finland

Tel. +358 10 2751
Fax +358 19 236 044
www.sisuauto.com

SISU CRANE TRUCKS

https://truckmanualshub.com/

A ready-made solution for productive operations

SISU Crane is the only crane truck on the market that is fully ready to work straight from the factory.

Because nobody knows their own vehicle better than the customer, SISU Crane is always designed and manufactured in co-operation with the customer. Rather than treating the chassis and superstructure as separate entities, the vehicle is built with the final purpose in mind throughout the whole process. This approach enables us to meet the needs and wishes of the customer much more accurately and efficiently than by building the vehicle in the traditional way.

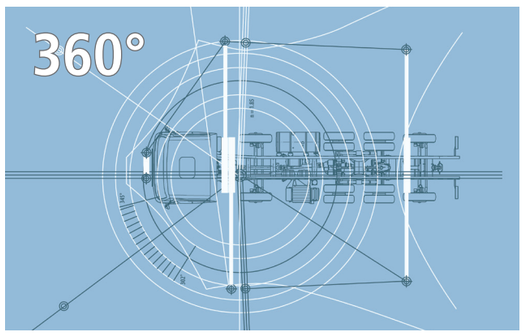
When the design has been created with a clear idea of the vehicle's end use in mind, the structures can be crafted all the way from large subassemblies to smaller details to suit the final purpose. This means in practice stronger, simpler and lighter solutions.

Manufacturing a vehicle that is fully designed in advance makes sense and can be carried out quickly. Subassemblies are manufactured and installed wherever it is most efficient to do so. The end-result is a complete transport solution tailor-made for the customer with no compromises.

SISU Crane arrives fully ready, straight from the factory, including crane installation and other superstructures as required. SISU grants a full warranty for the whole vehicle as delivered from factory, superstructures included. A vehicle that is ready for use ex-factory, complete with a factory warranty, is a safe and profitable choice for a transport business.

A proper crane

SISU Crane is a fully fledged crane, but it retains the driving properties and agility of a truck. SISU Crane also offers load capacity that makes it suitable for a variety of different lifting and transport work.



Thanks to its excellent drivability, SISU Crane can be used in a wide range of operations. It can also get into tight places and thanks to its agility, it can also get out again.

SISU has a long tradition in crane know-how. Crane chassis product development has been ongoing since the 1960s. The first crane chassis manufactured under the SISU brand were produced in 1971. Ten years later, the plant had already manufactured several hundred crane chassis.

So it is not just a matter of chance that Sisu Crane's features are at the top of their class. SISU has managed to put its thorough knowledge of the demands for lifting work into practice and produce a vehicle that is capable of even very demanding lifting work, yet is as easy to manoeuvre as a truck.

SISU Crane's frame does not need to be reinforced

SISU Crane works optimally with a 60–150 ton crane, so fastening points are already installed at the factory. Clip plates for supports and versatile electrical capabilities such as a superstructure module, operating and warning lights and remote engine control are also installed. With SISU Crane's factory-ready equipment, a 360-degree lifting area is achieved. Axle options are four- and five-axle versions with one or two drive axles.

Power train

SISU Crane is powered by a V6 or V8 engine, capable of producing 480–600 hp of power and 2300–2800 Nm of torque respectively.

The Telligent® gearshift offers the best usability of any manual gearshift. With a very short gear selection path, the gearshift can be operated with a slight movement of the hand. Changing gears is easy, simply move the gearstick forwards or backwards and then press the clutch pedal.

PowerShift automated transmission makes for a pleasant driving experience. The fast gearshift of the PowerShift Offroad automated transmission continues to deliver high power during long ascents and when traction is poor.