

# Hiab XS 600

## Capacity 57 tm



Product brochure



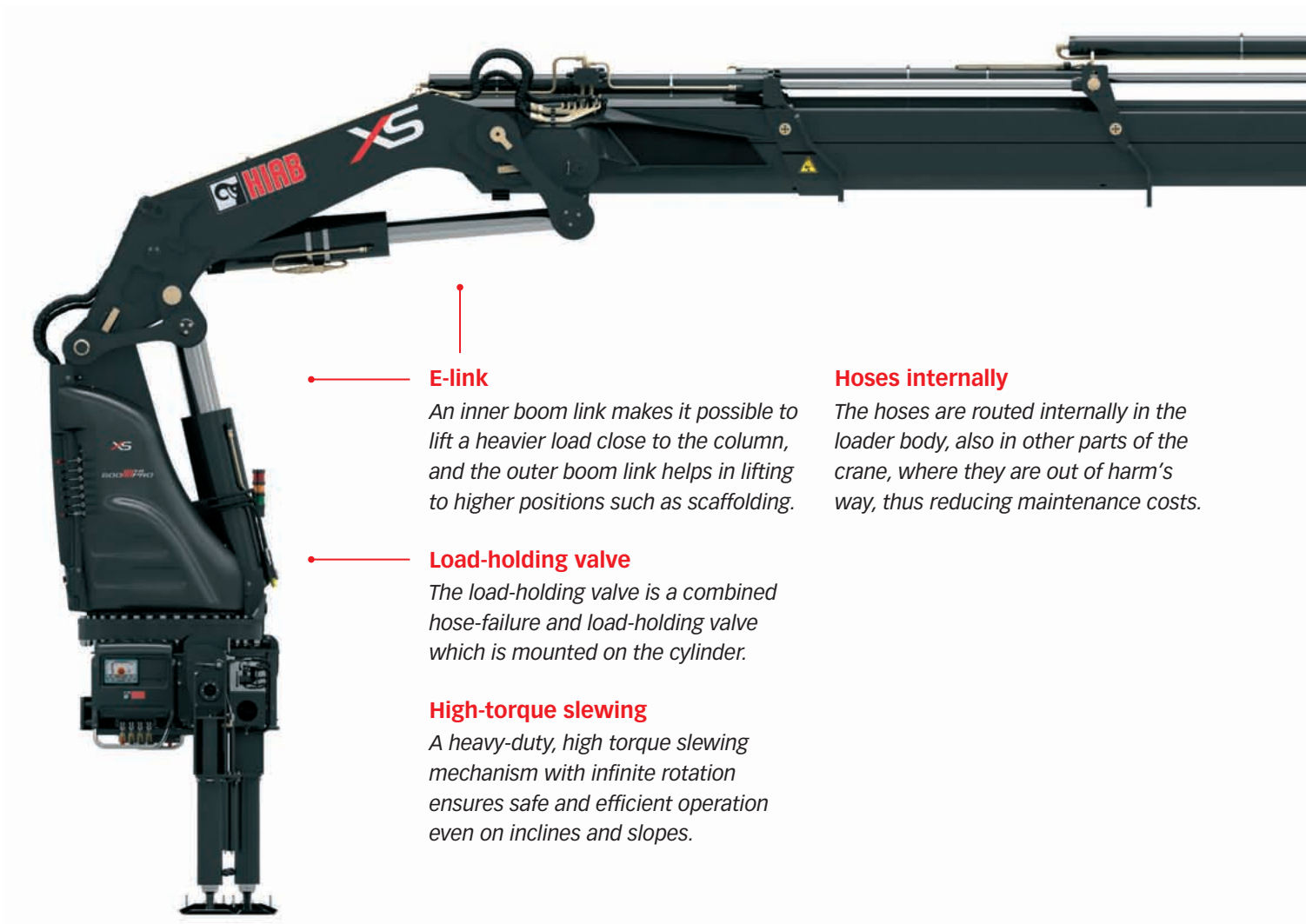
Precision beyond expectation



# Hiab XS 600 Capacity 57 tm

## The Hiab XS 600 for extreme challenges

The Hiab XS 600 is a crane designed and manufactured utilising advanced modular technique, and developed in direct response to the needs of our customers. The XS 600 remains true to the principles of the pioneering XS concept. The result is a crane that gives you more than any other in its class. More features. More power. More precision. And ultimately, more productivity. For lifting performance, working control and stability, the Hiab XS 600 has no peers. It boasts a massive lifting capacity of up to 57 tonne metres. Equipped with as many as 9 hydraulic extensions, it provides an outreach close to 23 metres. And thanks to its 9 metre stabilizer span together with its computerised safety and stability management systems, the Hiab XS 600 offers maximum stability. The crane is delivered with the HiPro control system.



### E-link

*An inner boom link makes it possible to lift a heavier load close to the column, and the outer boom link helps in lifting to higher positions such as scaffolding.*

### Load-holding valve

*The load-holding valve is a combined hose-failure and load-holding valve which is mounted on the cylinder.*

### High-torque slewing

*A heavy-duty, high torque slewing mechanism with infinite rotation ensures safe and efficient operation even on inclines and slopes.*

### Hoses internally

*The hoses are routed internally in the loader body, also in other parts of the crane, where they are out of harm's way, thus reducing maintenance costs.*

### Hexagonal boom profile

*The hexagonal profile ensures the boom is always in perfect balance, thanks to its shape and large support surface. The profile also minimizes boom deflection, which reduces maintenance costs and increases efficiency.*

### Side supports for stability

*Side supports fitted on each boom extension stabilize the boom laterally and minimize the play. This increases precision and is especially beneficial on boom systems with long outreach.*



### JIC couplings

*JIC couplings are standard on most Hiab cranes. They ensure easy and secure coupling, but are still very simple to disconnect for service.*

### Large slide pads

*The hexagonal profile enables the use of larger slide pads. This makes the extensions move more smoothly and reduces mechanical wear on the boom.*

### Attachable tools

*A wide range of attachable tools are available for your Hiab crane. These make sure you can carry out a lot of different tasks.*

### HiPro control system

HiPro is simply the most advanced control system on the truck-crane market today, delivering unrivalled speed, precision and safety. This is achieved by combining the CombiDrive<sup>2</sup> remote control, SPACE 5000 intelligence and Valve 91. Capacity is increased significantly by Automatic Speed Control (ASC). Pump Flow Distribution (PFD) maximizes productivity by ensuring super-smooth operation at all times.

### Valve 91

The Hiab Valve 91 represents the pinnacle of hydraulic valve technology. It is load-sensing and pressure-compensated which improves both speed and precision. It features a wide range of top class features, one being that the same control lever movement always produces the same crane response, irrespective of whether you are using one function or more, with a light or heavy load. Valve 91 also ensures Pump Flow Distribution (PFD) which keeps the crane operating independently of the oil flow available. This keeps lifting, hoisting and other crane functions running simultaneously at the same relative speed. Valve 91 enables your crane to be controlled with finger-tip precision regardless of how far out the crane boom tip is. This, of course is invaluable in confined spaces.

### CombiDrive<sup>2</sup>

With the Hiab CombiDrive<sup>2</sup> you can benefit from information, precision, feel and function – to a higher degree than with anything else on the market. Three active displays give access to vital information from your crane. A live symbol indication function ensures that the correct lever symbol is shown at all times – no matter what function is currently running on each lever. The lever response is outstanding, enabling load handling with finger-tip feel and precision.

The weight of the CombiDrive<sup>2</sup> is approximately 2.3 kg.



### Valve 91

*The Hiab Valve 91 represents the pinnacle of valve technology, handling very large oil throughputs. It is a closed-centre, pressure-compensated, load-sensing control valve, providing the operator with finger-tip feel when handling the crane.*



### CombiDrive<sup>2</sup>

*With the Hiab CombiDrive<sup>2</sup> you can position yourself at the best possible location when operating the crane. It features 24 proportional and 12 on/off functions for controlling the crane, optional equipment and accessories, all with the same precision.*





### SPACE 5000 intelligence system

The SPACE 5000 intelligence system is designed to assist the operator in two kinds of ways, with safety and productivity. On this model the safety functions include Over Load Protection (OLP) and optional High boom warning. While the Automatic Speed Control (ASC) and Pump Flow Distribution (PFD) keep up productivity. Service personnel can extract information such as fault codes and load cycle data from the system. The SPACE 5000 system is a part of the HiPro control system.

### Over Load Protection (OLP)

The Over Load Protection (OLP) system is designed on the principle that no crane movement should be brought to a complete halt without good cause, but equally there should be no compromise in operator safety. A movement is only stopped when there is a real risk of exceeding the crane's limits by continuing with that particular movement. Other movements, however, are allowed to continue as normal. OLP is very discreet, remaining invisible to the operator unless and until the system senses a potential problem hazard. When the crane reaches 90% of its maximum capacity, the operator is alerted, enabling him to take corrective action and carry on working. If a jib or hoist is being used, OLP monitors the position and movements of this item as well.

### Automatic Speed Control (ASC)

ASC gives a stepless increase in lifting capacity of up to 10%, all in one smooth, continuous motion. This feature, unique to Hiab, engages automatically, which means that the operator does not feel or notice a thing. The function activates as you reach the regular capacity limit, meaning that you can still lift the load where other cranes would have come to a complete stop. To compensate for the capacity boost, the speed of the inner and outer boom is slightly reduced. Capacity ceiling, safety and efficiency are significantly increased by this feature.

### A jib takes you there

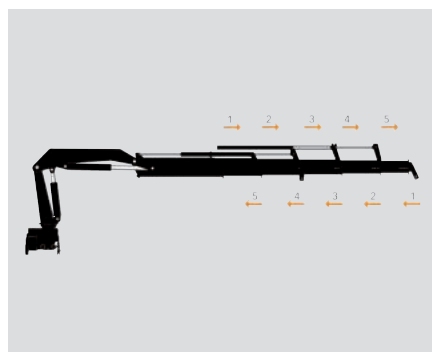
*Equipping your crane with a jib gives you yet another degree of freedom. Manoeuvring your load to a roof top or into a narrow passage is no match with a jib.*





### Pump Flow Distribution (PFD)

Hiab cranes can handle the highest oil throughput in the market. But skilled operators, able to operate several functions at the same time, want even more from their crane. And Hiab delivers, with PFD. In situations where the operator is working at the limits and using multiple functions simultaneously, even the largest pump may not be able to supply enough oil. This can result in the crane acting unpredictably, but not if your crane is equipped with PFD. This innovative system distributes the available oil in proportion to the operator's lever movements. All functions will continue to work just as expected with no disturbances or surprises, although you require more oil flow than available. Once full oil flow is restored, it is full speed ahead once again. PFD has proven extremely useful in practice. Even at an oil flow of 100 l/min, the system activates three times per load cycle during normal use. If you demand maximum convenience and productivity from your crane, you should not settle for less than a crane equipped with PFD.



### Controlled extension and retraction sequence

A controlled sequence means that the extensions always move in the same order. Extracting and retracting the extensions in a controlled sequence means that the total weight is lower, this is of most importance on a long boom system.

### E-link

An E-link system is a kind of lever connection between the column and the inner boom, as well as the inner and the outer boom. This is beneficial when lifting heavy loads straight up to high positions, such as on scaffolding.



### High boom warning

When the pressure is on and you need to get to the next job fast, mistakes can happen. For example, if a driver forgets to park the crane, the consequences could be serious. In these situations, you'll appreciate a safety function like high boom warning. The SPACE system continuously monitors the boom position. If the crane is left in its upright position, an indicator lamp in the cabin will alert the driver before driving away.



# For the greater challenges

## **Operating your crane by remote control**

One of the benefits of Hiab's remote control units is that the crane operator can be positioned at the best possible location when operating the crane. This leads to more efficient, comfortable work and also increases safety. A further spin-off effect is that you can be your own loading assistant positioning yourself next to the load, or wherever the loading assistant should be standing. Tasks will be completed faster and at lower cost.

## **Design innovation – driven by you**

Hiab is part of Cargotec, renowned throughout the world for innovation and engineering excellence. The quality and reliability of our cranes are without equal in the truck loader market. But there is another crucial factor in our global success. We have a philosophy of listening, and responding, to the needs of those who matter most – the people who own and operate our cranes. The design and development of every crane we manufacture are customer-driven. This will become really clear when using your Hiab loader crane.

**Cargotec** improves the efficiency of cargo flows by offering solutions for the loading and unloading of goods on land and at sea – wherever cargo is on the move. Cargotec's main daughter brands for cargo handling Hiab, Kalmar and MacGregor are global market leaders in their fields. [www.cargotec.com](http://www.cargotec.com)

