

HIAB **XS** 700 Capacity 477,000 ft-lbs (66 tm)



Product brochure



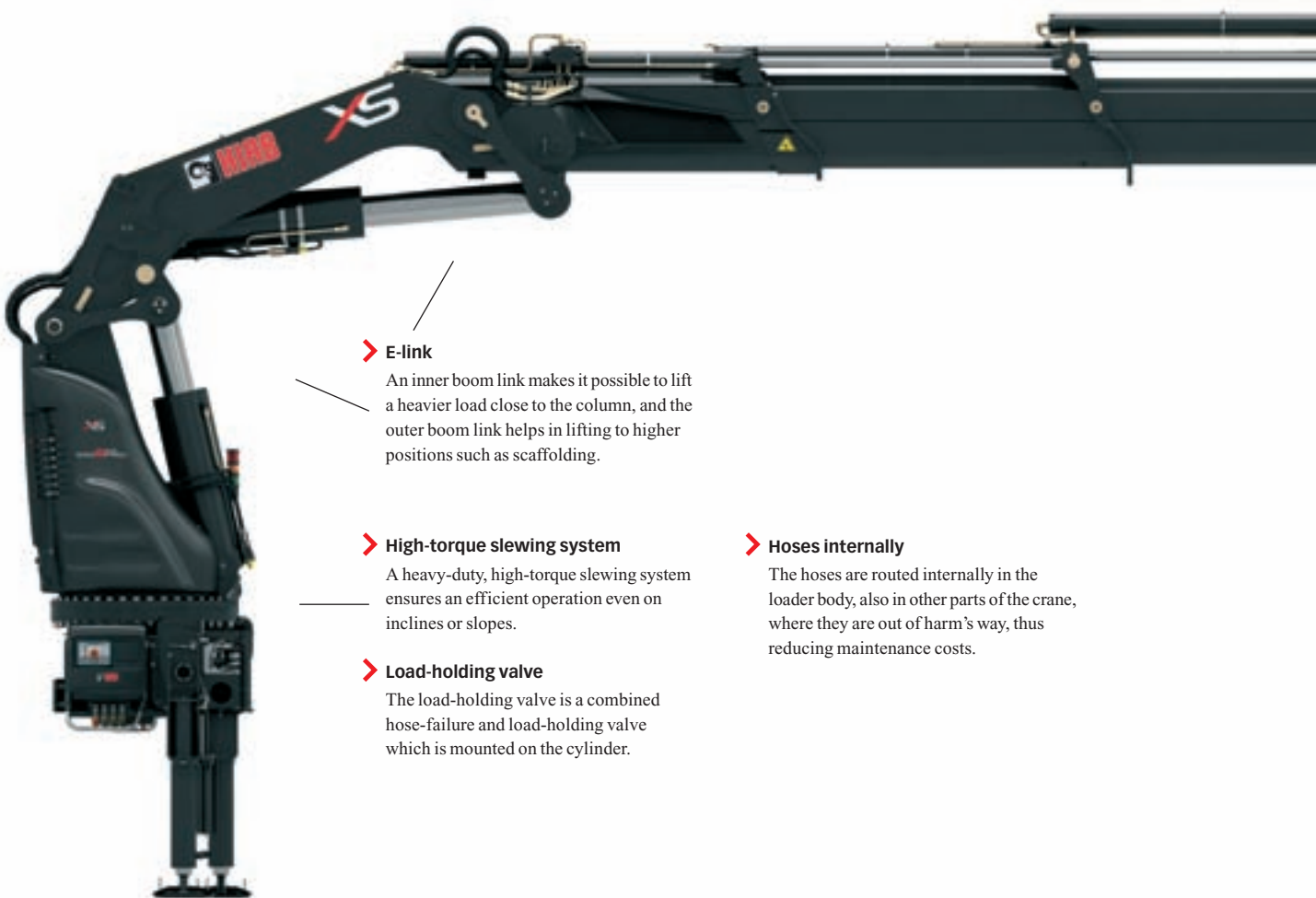
For e

exceptional performance



The HIAB XS 700 for extreme challenges

The HIAB XS 700 is a truly exceptional crane. It is fully equipped with the latest control technology and productivity systems. The HIAB XS 700 boasts a massive lifting capacity. Multiple hydraulic extensions provide a possible outreach of 74'10" (22.8 metres). And a 29'6" stabilizer span ensures total stability, even when working to the very limit of its reach and power. Make no mistake, this is a big crane with everything you need to tackle the biggest jobs. The HIAB XS 700 is delivered with the HiPro control system featuring the highly advanced Valve 91, and the SPACE 5000 intelligence system. This crane will give your business the highest productivity and precision available on the market.



> 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.

> High-torque slewing system

A heavy-duty, high-torque slewing system ensures an efficient operation even on inclines or slopes.

> Load-holding valve

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

> 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.

➤ **JIC couplings**

JIC couplings are standard on most Hiab cranes. They assure secure coupling easily, and are still very easy to disconnect for service.

➤ **Hexagonal boom profile**

The hexagonal profile ensures the boom is always in perfect balance, due to its shape and big support surface. The profile also minimizes boom deflection. This reduces maintenance costs and increases efficiency.



➤ **Side supports for stability**

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

➤ **Large slide pads**

The hexagonal profile enables the use of larger slide pads. This makes the extensions move smoother 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.

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> HiPro control system

HiPro is simply the most advanced control system on the truck-crane market today, delivering unrivalled speed and precision. This is achieved by combining the CombiDrive² 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 91M represents the pinnacle of hydraulic valve technology. It is load-sensing and pressure compensated which improves both speed and precision. It features a long range of top class abilities. One of these is that the same control lever movement always produces the same crane response, whether you are using one or more functions, with light or heavy load. The HIAB Valve 91M gives your crane the ability to be controlled with fingertip precision regardless of how far out the crane tip is, invaluable in confined spaces.

> CombiDrive²

With the HIAB CombiDrive² you can benefit from information, precision, feel and function – to a higher degree than 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 particular lever. The lever response is outstanding, enabling load handling with finger tip feel and precision.

The weight of the CombiDrive² is approximately 5 lbs (2.3 kg).



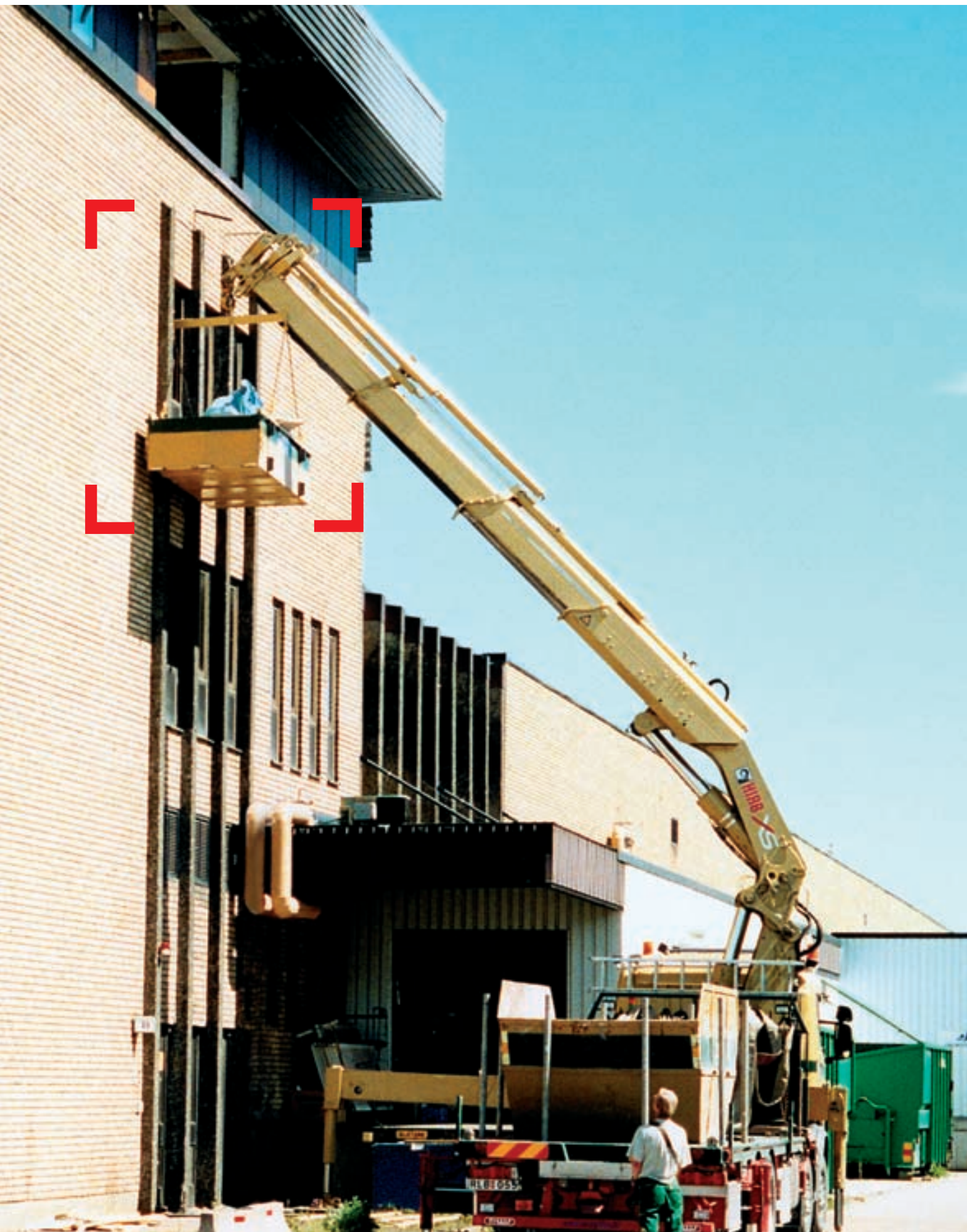
> Valve 91

The HIAB Valve 91 represents the pinnacle of valve technology and handles very large oil flow. It is a closed centre, pressure-compensated and load-sensing control valve. This provides the operator with a fingertip feel when controlling the crane.



> CombiDrive²

With the HIAB CombiDrive² 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.



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> **SPACE 5000 intelligence system**

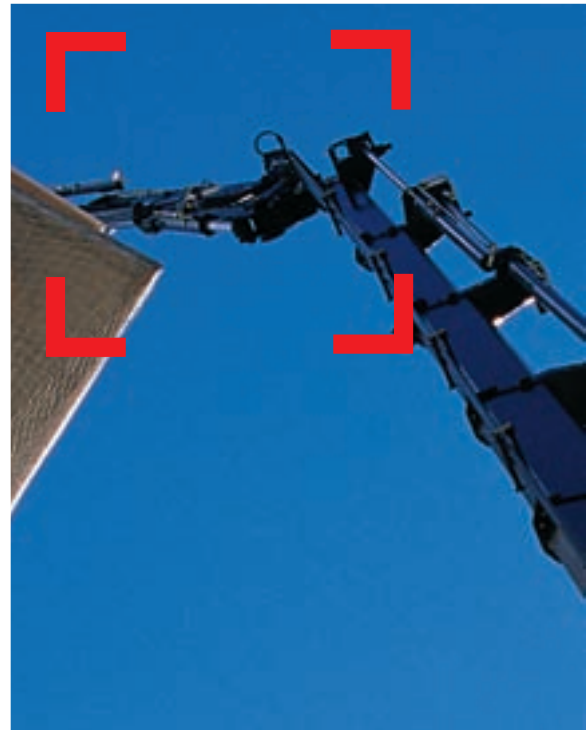
The SPACE 5000 intelligence system is designed to assist the operator in two kinds of ways, precision movements and productivity. On this model the special functions include Over Load Protection (OLP) and High boom warning. The Automatic Speed Control (ASC) and Pump Flow Distribution (PFD) keep up productivity. 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 as regards precision movement of the load. 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)**

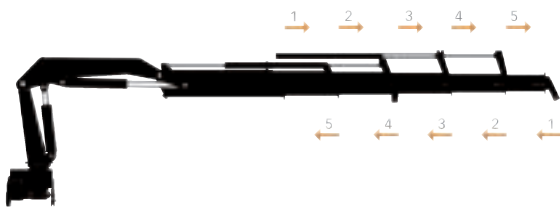
ASC gives a stepless increase in lifting capacity up to 10%, all in one smooth, continuous, stepless motion. This feature, unique to Hiab, engages automatically, which means that the operator does not feel or notice a thing. The function activates as you reach the regular capacity limit, meaning that 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 first and second boom is slightly reduced. Capacity ceiling and efficiency are significantly increased by this feature.



> Pump Flow Distribution (PFD)

Hiab cranes can handle the highest oil flow in the market. But skilled crane 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 26 Gpm, 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.



> 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 scaffolding.

< Controlled extension and retraction sequence

The controlled sequence enables a higher load capacity with a fully extended very long boom system. This gives you lower overall weight, greater capacity and efficiency.

< A jib takes you there

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

> 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 special 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.



Greater **power** when most needed



Operating your crane by remote control

The benefit of Hiab's remote control units ensures that the crane operator can be positioned at the best possible location when operating the crane. This leads to more efficient and comfortable work. A further spin-off effect is that you can be your own loading assistant due to the fact that you can position yourself next to the load, or wherever the loading assistant would be standing. Your tasks will be completed faster and at a lower cost.

Design innovation – driven by you

Hiab is renowned throughout the world for its 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 is customer-driven. This will definitely shine through in your Hiab loader crane.



HIAB

Hiab is part of Cargotec Corporation

