

Hiab XS 211

Range 19-21 tm



Product brochure



Robustness for a tougher challenge



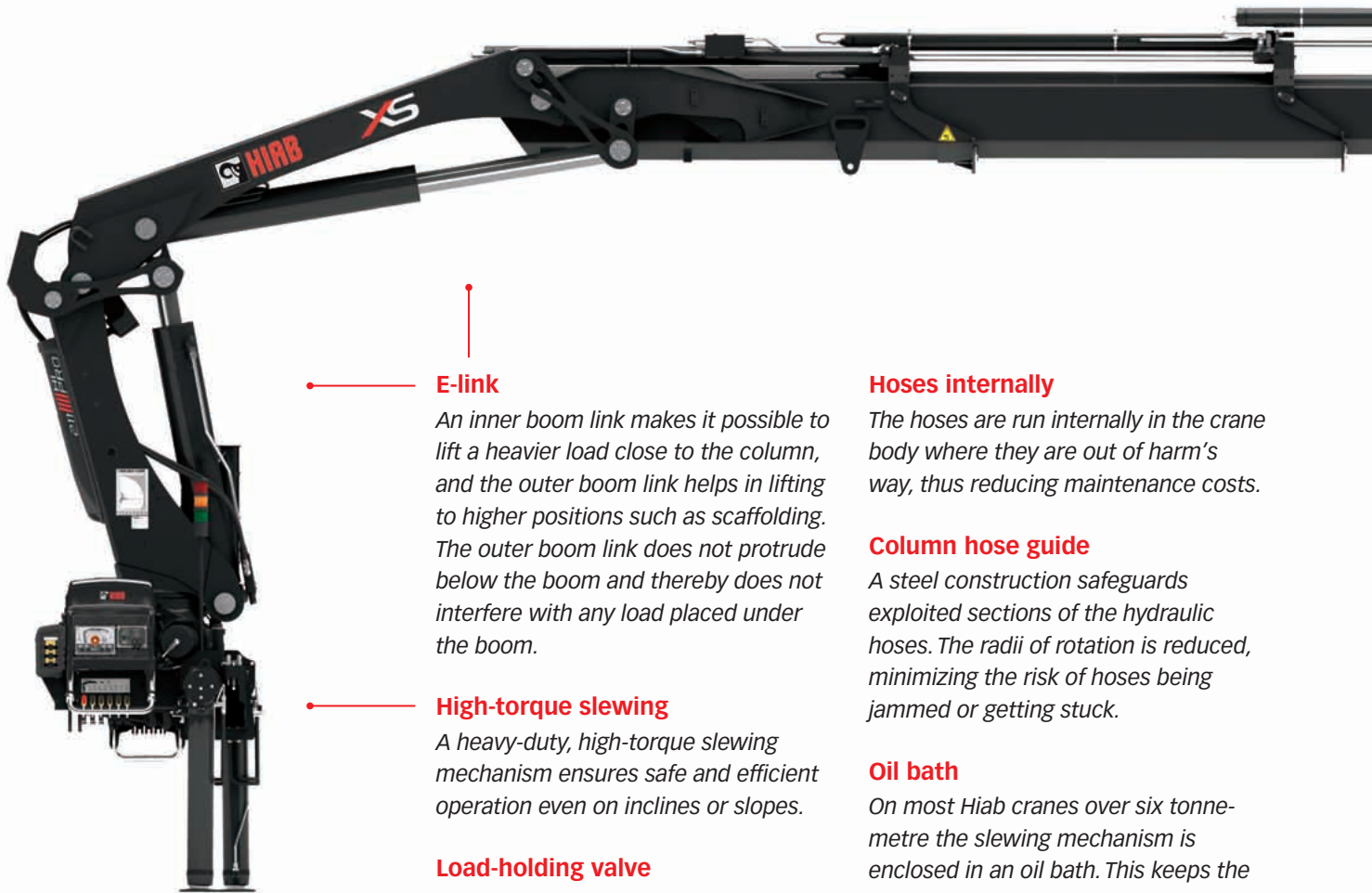
Hiab XS 211 Range 19–21 tm

A compact crane with tremendous outreach

The Hiab XS 211, with its compact design and small installation space, is in essence a versatile crane. Customization of this crane will make life a lot easier for you and your customers. In combination with a jib, its excellent outreach is further enhanced – making it the ideal crane for smaller installation jobs. Digging is another application where the crane performs excellent. The crane can be delivered with either of the Duo, HiDuo, Pro or HiPro control systems.

X-function

Angling the outer boom upwards relative to the inner boom gives greater accessibility in confined spaces.



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. The outer boom link does not protrude below the boom and thereby does not interfere with any load placed under the boom.

High-torque slewing

A heavy-duty, high-torque slewing mechanism ensures safe and 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 run internally in the crane body where they are out of harm's way, thus reducing maintenance costs.

Column hose guide

A steel construction safeguards exploited sections of the hydraulic hoses. The radii of rotation is reduced, minimizing the risk of hoses being jammed or getting stuck.

Oil bath

On most Hiab cranes over six tonne-metre the slewing mechanism is enclosed in an oil bath. This keeps the slewing mechanism in great condition throughout the years, making sure the crane can be confidently used for extremely demanding applications.

Flexible cylinder positioning

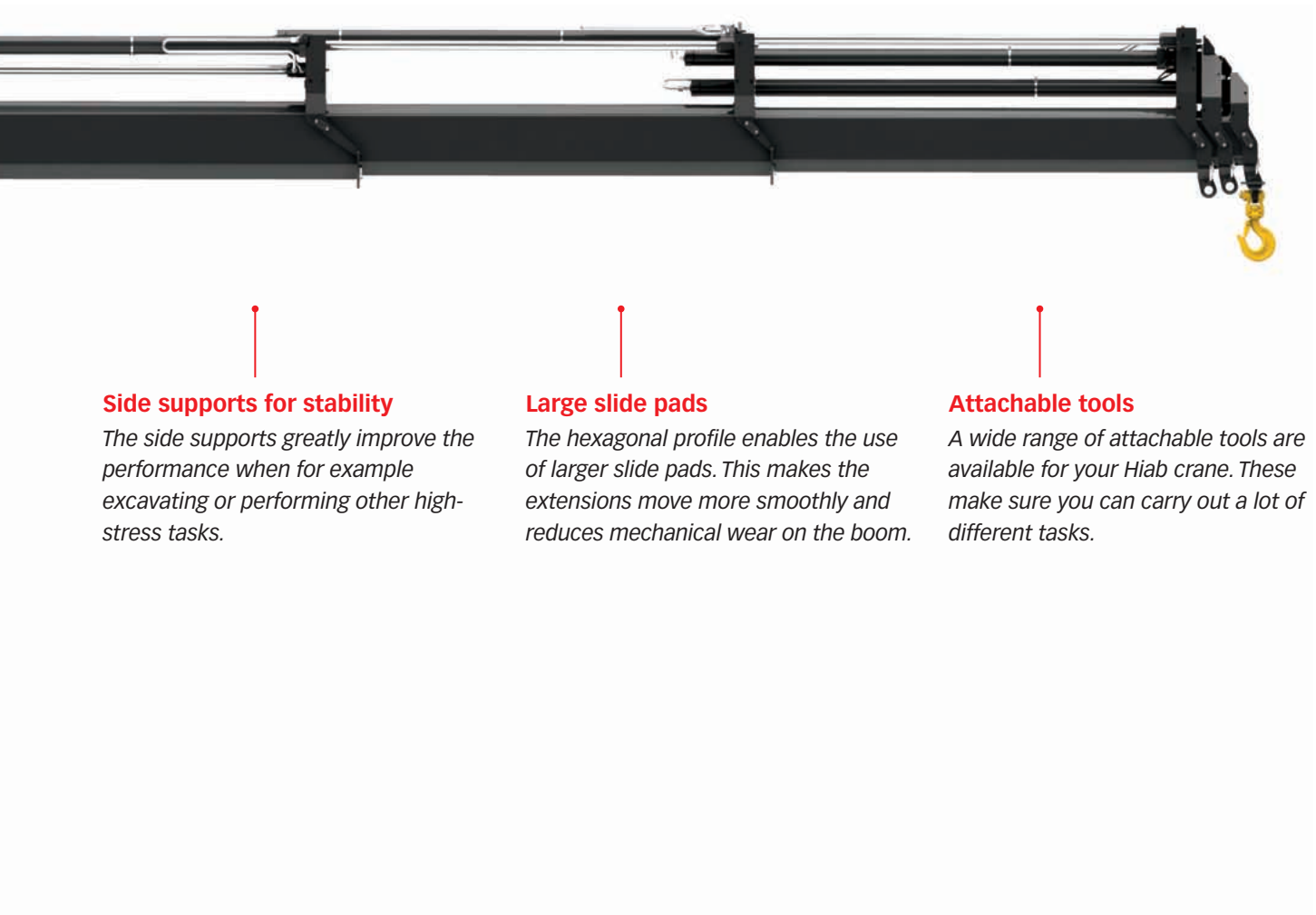
Some extension cylinders can be positioned on top of the boom, or side-mounted. This influences the crane's dimensions and enables easier access to confined spaces.

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.

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

The side supports greatly improve the performance when for example excavating or performing other high-stress tasks.

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.

HiDuo control system

The HiDuo control system is based upon the renowned Hiab Valve 80. HiDuo comes with the SPACE 4000 intelligence system which intelligently monitors and controls the electronic functions of your crane. These functions are focused on assisting the operator in two aspects, safety and productivity. The HiDuo control system support remote controlling with the XSDrive remote control.

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 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.

Pump Flow Distribution (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. PFD distributes 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.



Valve 80

The Hiab Valve 80 is a top-of-the-line open-centre valve based on well-proven technique which gives superb reliability. The valve handles large oil flows and provides great precision and ease of operation.



XSDrive

The Hiab XSDrive has been ergonomically developed to relieve you of stress and strain in hands, arms and back. The load indicators provide information for quick and correct actions while work is on-going. There are also a number of accessories that can be added in order to find the ideal control solution for you.



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.



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.



Intelligence systems

A large number of electronic functions, for safety as well as for productivity are available for your Hiab crane. These are all managed by a system called SPACE which is a computer, devised to discretely assist you in operating the crane. The SPACE electronics are housed in a 100% weather-proof casing and are extremely reliable and easy to use.

SPACE 4000 intelligence system

The SPACE 4000 system features Automatic Duty Control (ADC) and the Automatic Speed Control (ASC) function. The ASC function boosts capacity in a smooth, stepless motion and thus gives an edge in load handling and capacity that proves very valuable.

The SPACE 4000 is a part of the HiDuo control system.

SPACE 5000 intelligence system

The SPACE 5000 system features Automatic Duty Control (ADC) and the Automatic Speed Control (ASC) function. The later function boosts capacity in a smooth, stepless motion and in addition to this Pump Flow Distribution (PFD) ensures super-smooth operation at all times.

The SPACE 5000 is a part of the HiPro control system.

Achieving more with the right tool

Hiab cranes are designed to withstand the rigorous demands of digging. The versatility of your crane and vehicle is greatly enhanced with a clamshell bucket.





Designed for maximum performance

The crane has an E-link solution which gives excellent lifting capabilities when handling heavy loads close to the column. In order to increase the lifting capacity even more a P-boom can be specified as an option. The P-boom has up to five extensions specially dimensioned to carry maximum load. On top of this, each extension is slightly longer, giving you an outreach that is greater than a conventional five extension boom.

Side supports for stability

Side supports fitted on each boom extension stabilize the boom laterally and minimize the play. Most Hiab crane models can be delivered with extension side supports.

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.



Power and intelligence

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.



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