

HIAB **XS** 166 CLX Capacity 123,000 ft-lbs (17 tm)



Product brochure



 **HIAB**

 **HIAB**

166  **CLX**

 **HIAB 166B-2CLX**

Capacity (kg)	Capacity (lb)
16600	36585
16000	35274
15000	33069
14000	30864
13000	28659
12000	26454
11000	24249
10000	22044
9000	19839
8000	17634
7000	15429
6000	13224
5000	11019
4000	8814
3000	6609
2000	4404
1000	2200

Delivering great **functionality**



The HIAB XS 166 provides excellence

Innovative world leading engineering has resulted in the first class crane. Behind the sleek, low headroom boom profile of the HIAB XS 166 CLX lies a crane with total flexibility and productivity. The slewing mechanism runs in an oil bath for reduced friction and noise. Throughout the crane JIC couplings are fitted for easy maintenance. Everything is focused on giving you the ideal crane and a quick return on your initial investment. The HIAB Valve 80 is the main control valve and the control levers are situated at the base of the crane, or optionally at a high seat or control platform.

Designed for the tough jobs, every day

Designing cranes for rough and tough operation is one of Hiab's hallmarks. This crane is no exception. The crane is designed to be on the job, day in and day out, where it belongs. However, servicing the crane can't be foreseen. In order to make the servicing time as short as possible we have fitted the crane with JIC couplings and easily replaceable large slide pads. Before you know it the crane will be back at the jobsite, doing what it does best, creating solutions and versatility for your business.

Front runners in boom design

A Hiab crane is built to withstand extreme loading under all kinds of circumstances, in all field conditions. Keeping the boom reliable, tough and sturdy under extreme loading has made Hiab a world leader in crane boom engineering. Taking a closer look at the crane, one can point out a number of features that our customers benefit from.

Hexagonal boom profile

The hexagonal profile used on Hiab booms is a ground-breaking design introduced by Hiab many years ago. It is now standard throughout the market of loader cranes. Even the smallest of Hiab cranes benefit from this design.



> High-torque slewing system

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

> Load-holding valve

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

> Oil bath

On most Hiab cranes over six tonne meters the slewing mechanism is kept 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.

➤ **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.

➤ **Flexible cylinder positioning**

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



➤ **JIC couplings**

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

➤ **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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> CLX control system

The CLX control system gives you an excellent and versatile crane, providing all the functionality you need to perform a wide range of general cargo handling tasks. CLX cranes are controlled manually via side controls. There are also optional solutions such as a high seat available. The hydraulic system of a CLX crane features load holding valves with an integrated hose failure function, as well as port relief valves to prevent the crane from over loading. The main control valve is the HIAB Valve 80 which enables the crane to perform more than one crane function at the same time, smoothly and efficiently.

> Valve 80

The HIAB Valve 80 is a top-of-the-line open-center valve based on well-proven technique which gives superb reliability. It features very good dynamic characteristics and performs with ease while slewing and handling numerous operations at the same time. The valve can handle large oil flows, distributing great power to the cylinders and all other hydraulic functions, and yet it can be controlled with high precision.



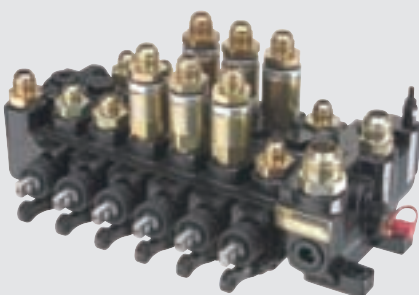
< Optional E-link

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.

When equipped with an E-link your crane can be fitted with as many as 5 hydraulic extensions, giving you an impressive 49' (15 meter) outreach.

< Side controls

The levers are positioned at the crane base. Cross-controls give the same sequence of levers on both sides. As an option the levers can be positioned at a high seat.



< Valve 80

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





Hiab is part of Cargotec Corporation

