



COMANSA

COMANSA 6LC85 FLAT-TOP CRANE

INNOVATION, EFFICIENCY
AND PERFORMANCE



Flat – Top System
Up to 52.5 m / 172.2 ft
5.0 t / 11,020 lb



FLAT-TOP DESIGN

The flat-top design offers several advantages in terms of efficiency, safety, and ease of assembly.

One of its key benefits is the **simplified assembly and dismantling process**. This design reduces the time and labor required for installation, as the jib can be erected either in one piece or section by section, depending on the available space at the site. In many cases, assembly can be done directly from the truck, which minimizes installation time, mobile crane requirements, manpower, and overall costs.

The 6LC85 design is highly efficient for construction projects requiring multiple cranes operating simultaneously. The flat-top structure minimizes the risk of collisions, making it an ideal choice for sites where crane overlap is necessary. This ensures smoother operations, reducing delays and improving overall project efficiency.





MODULAR DESIGN

The main benefit of the modular design is the use of **interchangeable components**. Many parts are modular and compatible with other Comansa cranes from the 6LC series, allowing for greater flexibility in maintenance and repairs.

This interchangeability helps reduce inventory costs and enables quicker part replacement, ensuring minimal downtime and improved operational efficiency.

The 6LC85 jib can be adjusted in increments of **2.5m**, allowing flexibility to suit various project requirements.

This innovative approach significantly reduces setup time and labor requirements, allowing for faster deployment on-site.

Rmax	20,0	22,5	25,0	27,5	30,0	32,5	35,0	37,5	40,0	42,5	45,0	47,5	50,0	52,5	m
STF F2	2500	2500	2500	2500	2500	2500	2500	2250	2100	1900	1700	1500	1400	1100	kg
	2500	2500	2500	2500	2500	2500	2500	2470	2310	2090	1870	1650	1540	1210	kg 
STA F4-F2	4610	4100	3580	3250	2950	2700	2400	2150	2000	1800	1600	1400	1300	1000	kg
	5000	4510	3940	3570	3240	2970	2640	2360	2200	1980	1760	1540	1430	1100	kg 

This crane offers **high reach and adaptability**, ensuring broad operational coverage.

Additionally, its high-strength structural design enhances stability, ensuring excellent performance even under heavy loads and adverse conditions.

The 6LC85 is designed for **quick assembly (6 hours), with tower sections that enable rapid, bolt-free installation.**

This combination of efficiency and durability makes it a reliable choice for demanding construction projects.

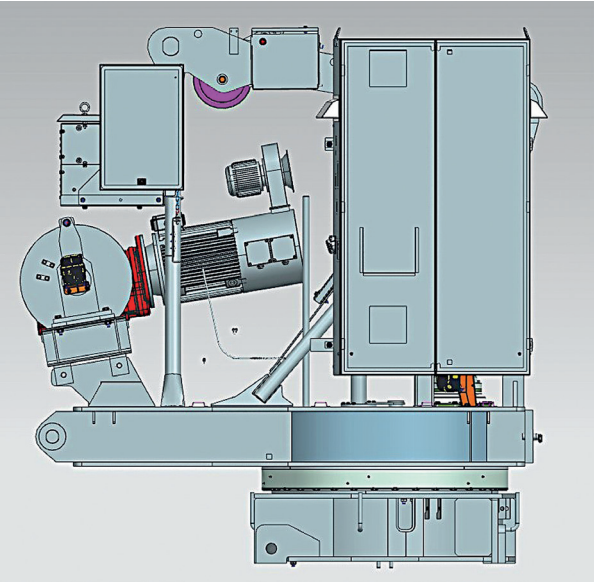


COMPACT HEAD CONCEPT

The **6LC85** is designed with Comansa’s **compact head design**, integrating the slewing and hoist mechanisms, electrical control panel, and safety limiters within the compact slewing section.

One key benefit is the reduction in installation time. Most electrical connections come pre-assembled, significantly minimizing the time required for on-site setup. This streamlined process allows for quicker crane deployment, reducing overall project timelines and labor costs.

Additionally, the compact design improves transport and logistics (3 trailers for standard configuration without base). The ease of handling and assembling compact components helps mitigate logistical challenges on-site. By requiring fewer resources for transportation and setup, the design optimizes efficiency, making operations smoother and more cost-effective.



Maintenance requirements are also reduced due to the strategic placement of critical components within the compact head. This layout ensures easy access for inspections and maintenance, allowing for quicker servicing and minimizing downtime.

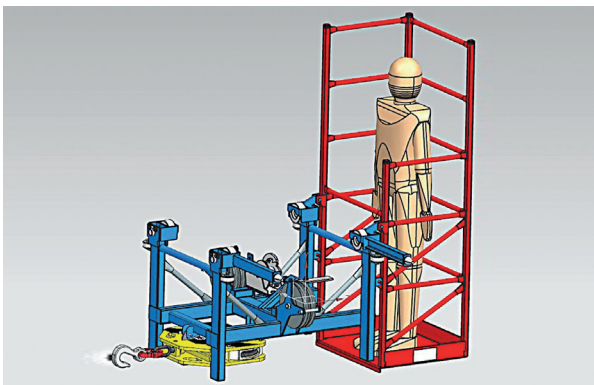
SPECIFICATIONS	METRIC	IMPERIAL
Max. Capacity STF	2,5 t	5,510 lb
Max. Capacity STA	5,0 t	11,020 lb
Automatic Reeving Change (1/2 Falls) STA	2,5 t / 5,0 t	5,510 lb / 11,020 lb
Jib Length	20,0 – 52,5 m	65.6 - 172.2 ft
Jib Length possibilities	Every 2,5 m	Every 8.2 ft
Max. Jib-End Load STF with Power Lift	1,1 t 1,21 t	2,430 lb 2,670 lb
Max. Jib-End Load STA with Power Lift	1,0 t 1,1 t	2,200 lb 2,430 lb
Hoisting mechanism	18 kW	18 kW

NEW IMPROVEMENTS WITH THE 6LC85:

A) Counterweights

The method of installing the counterweights has been changed, allowing the installation of more than one single block at once.

The counterweights include lifting points to be able to lift them in vertical and horizontal position.



B) New aluminum trolley platform

The 6LC85 crane is equipped with a new aluminum trolley platform, with bigger dimensions and improved safety guards, the new platform is comfortable and ergonomic.



C) New ergonomic operator cabin

Designed for comfort, more space, with improved visibility, intuitive controls and operational safety. Equipped with interior and exterior lighting, sun curtains, thermal and acoustic insulation and air conditioning with heat pump as an optional element.



D) Comansa indicators

The new and improved screen version enhances the user experience with better visibility and functionality. Additionally, the indicator system integrated within the cabin provides direct access to maintenance and service, simplifying system usage and facilitating the smooth integration of new functionalities.

HIGH EFFICIENCY

The 6LC85 is equipped with a **frequency control system** that ensures **smooth and precise movements** across all drives, reducing wear and tear on mechanical components. This advanced control enhances operational accuracy and prolongs the lifespan of critical parts. Additionally, the optimized electrical systems contribute to **energy efficiency** by minimizing power consumption, ultimately lowering operational costs. This combination of precision and efficiency makes the crane a cost-effective and reliable solution for construction projects.

DURABILITY AND LONGEVITY

Designed for proven reliability in demanding environments and harsh weather conditions, the 6LC85 maintains optimal performance regardless of external challenges. Additionally, the flat-top system optimizes load transmission by minimizing fatigue in the jib, eliminating alternative stresses, and improving overall structural integrity. These features contribute to a reliable and long-lasting crane, capable of withstanding challenging work environments.



ECO-FRIENDLY DESIGN

The 6LC85 designed with sustainability in mind, integrating advanced engineering to **optimize material usage** and reduce environmental impact. **Its energy-efficient components** minimize power consumption during operation, making the cranes more environmentally friendly. By combining efficient design with resource optimization, Comansa enhances sustainability across construction and logistics, contributing to greener and more cost-effective operations.

CONCLUSION

The **Comansa 6LC85 flat-top crane** combines **efficiency, adaptability and durability**, making it an **ideal choice for urban and confined workspaces** where space is limited. Its modular design, advanced safety features, and eco-friendly innovations contribute to **lower costs, easier maintenance, and enhanced performance.**





COMMITTED TO LIFTING EVOLUTION

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