

CTL 1600 Luffing jib Tower Crane

In 2014, Terex Cranes introduced its new CTL 1600 luffing jib tower crane. It has two and a half times the load moment and a 10 meter longer jib than the previous largest Terex luffing jib tower crane. The new CTL 1600 tower crane is being produced at the Terex facility in Fontanafredda, Italy.

“We have decades of experience in luffing jib cranes. To create the CTL 1600 tower crane, we tapped into all we knew about them and went a step further,” says Marco Gentilini, Vice President and General Manager for Terex Tower Cranes. “Terex luffing jib tower cranes are known to be great performers while at the same time offering a great return on investment because of their cost saving features in erection and transport. When designing this massive crane, our engineers not only maintained this concept but also developed several innovations.”

Topping the existing Terex tower crane portfolio of eight CTL luffing jib models, the new extra-large Terex CTL 1600 crane integrates extensive feedback from customers to combine outstanding lifting power with easy assembly, operator comfort and jobsite safety.

Offering a maximum lifting capacity of 66 ton (72 US tons), a maximum load moment of 1600 meter ton and equipped with an extra-long 75 meter (246 feet) jib, this crane offers extremely high lifting capacities and reach as well as ease of transport and assembly. This new tower crane model has a maximum freestanding height of 89 m on a concrete base and 88 m on a chassis. The CTL 1600 tower crane uses HD 33 tower segments, which come equipped with pre-assembled tower platforms, aluminum ladders, multiple lifting points and the new “Engage System.” This new system includes all required components for tower crane assembly already positioned and ready to be connected.

The combination of the HD 33 tower system and a broad variety of internal and external climbing options gives the CTL 1600 tower crane unmatched jobsite versatility. Besides being the largest and heaviest lifting model in the Terex luffing jib tower crane range, the new Terex CTL 1600 boasts innovative features for increased performance, easier crane assembly and safety. Standard safety features include jib walkways and handrails to provide a safe working environment for technicians during set-up and maintenance when working at height.

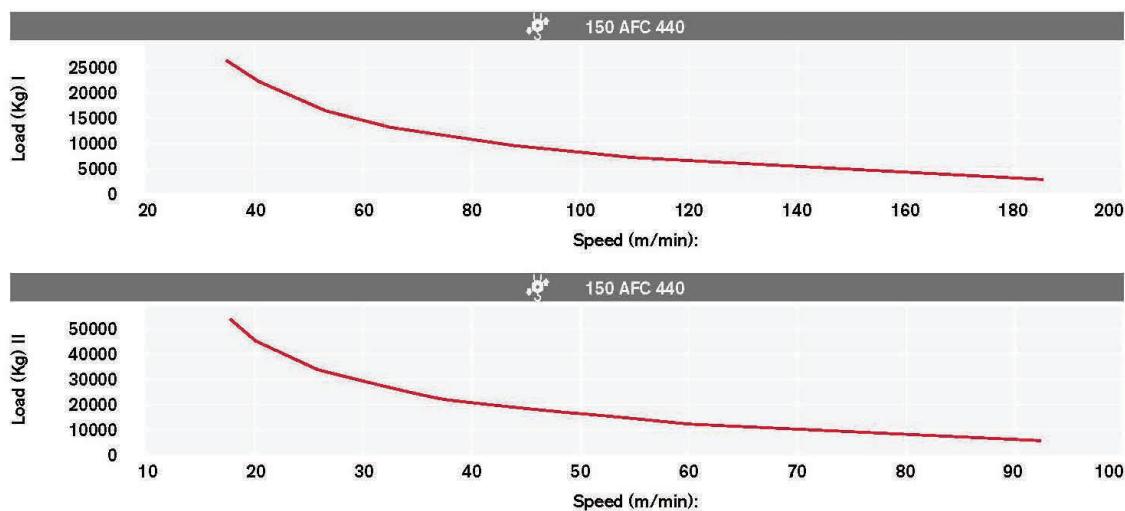
As for all Terex luffing jib tower cranes, all hoisting and luffing winch drums are linked to their own separate emergency braking system, which at the press of a button stops operation rapidly but gradually enough to avoid blocking. An optional anti-collision system helps the operator to plan and execute lifts while avoiding collisions with other cranes or buildings. Two cameras and a display screen increase visibility and enable the operator to zoom in and out as required.

Cost-efficiency is improved with a folding platform and folding A-frame, which can be carried in one piece on a single standard truck to reduce transportation costs. An automatic slewing ring lubrication feature also means less time spent on maintenance. Additionally, a third hoist on the counter jib can be conveniently used as a service derrick for assembly. The new CTL 1600 tower crane is also equipped with one or two pull lines to combine the ability of heavy lifting with fast lifting speeds.

Providing excellent ergonomics and comfort to help crane operators work safely and stay focused for long hours on the jobsite, the new CTL 1600 crane comes equipped with the Terex Cranes EVO 15 operator cab. Built with feedback from users, the EVO 15 cab features five large windows for excellent visibility.

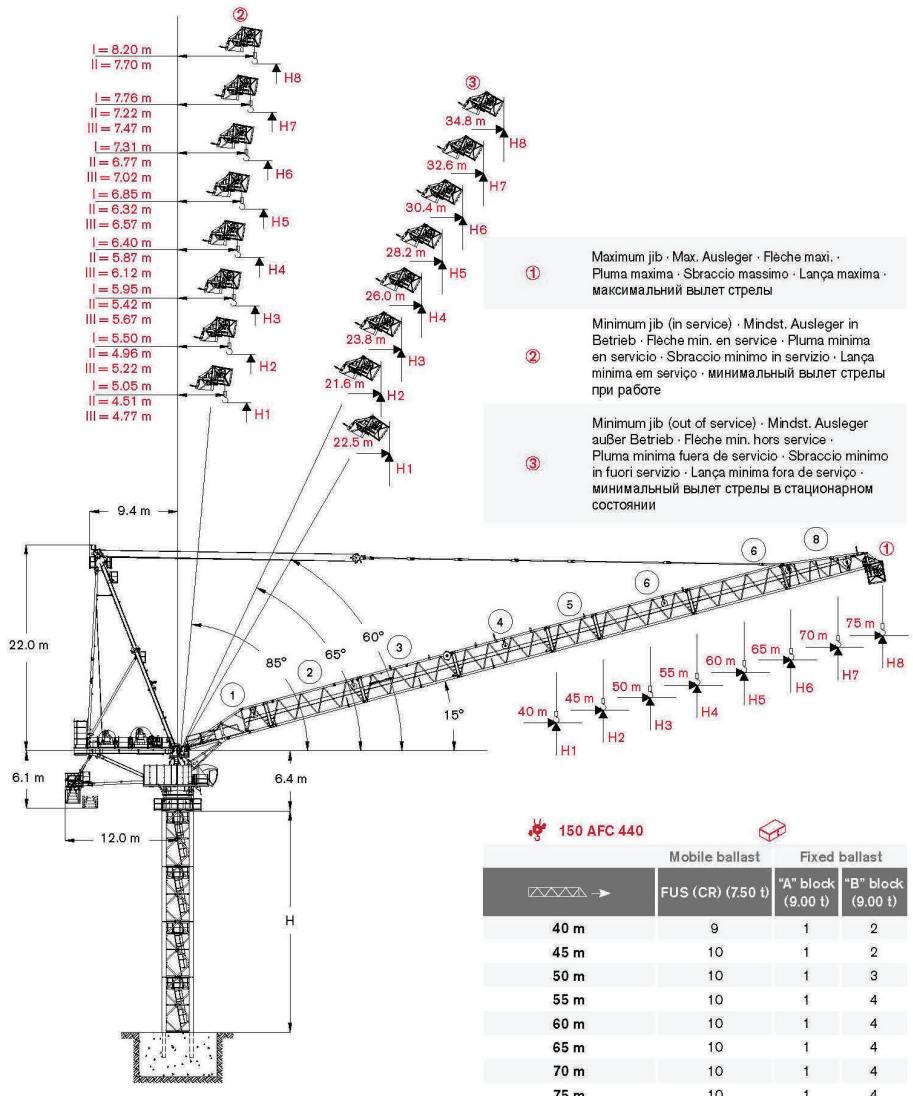
For ventilation, its front window and back door open. Sliding sunscreen blinds are available for side, front and upper windows. Two large windshield wipers help keep a clear view at all times. An all stainless-steel electronics panel is located in the cabin platform, providing excellent protection from different weather conditions. An adjustable ergonomic operator seat provides the comfort while a new ergonomic joystick control helps maneuver loads more easily with great precision. A full color, anti-glare, multi-language display screen provides data feedback including load, wind speed, height, alarm history and on-line trouble shooting to maneuver and lift precisely and safely.

Hoisting Speed · Heben Geschwindigkeit · Vitesse de Levage · Velocidad de Elevación · Velocità di Sollevamento · Velocidade de içamento · Скорость подъема (50Hz)



LOAD DIAGRAM

Lastkurven · Courbes de charges · Curvas de cargas · Diagramma di portata ·
Diagrama de carga · Схема нагрузок



TEREX.

CTL 1600-66

LUFFING JIB TOWER CRANE



Specifications:

- Max jib length: 75 m
- Capacity at max length: 16 t
- Max capacity: 88 t

	Mobile ballast		Fixed ballast	
	FUS (CR) (7.50 t)	"A" block (9.00 t)	"B" block (9.00 t)	
40 m	9	1	2	
45 m	10	1	2	
50 m	10	1	3	
55 m	10	1	4	
60 m	10	1	4	
65 m	10	1	4	
70 m	10	1	4	
75 m	10	1	4	