

The Largest of Tadano's 6-Axle All Terrain Cranes

The sophisticated drive concept of the all terrain crane means that it can be transported for use by road in an incredibly cost-efficient manner while still maintaining optimal good terrain mobility on construction sites.

Every single TADANO all terrain crane available worldwide is developed and manufactured on our site in Lauf an der Pegnitz and therefore has the "Made-in-Germany" quality seal.



Crane capacity
400 t

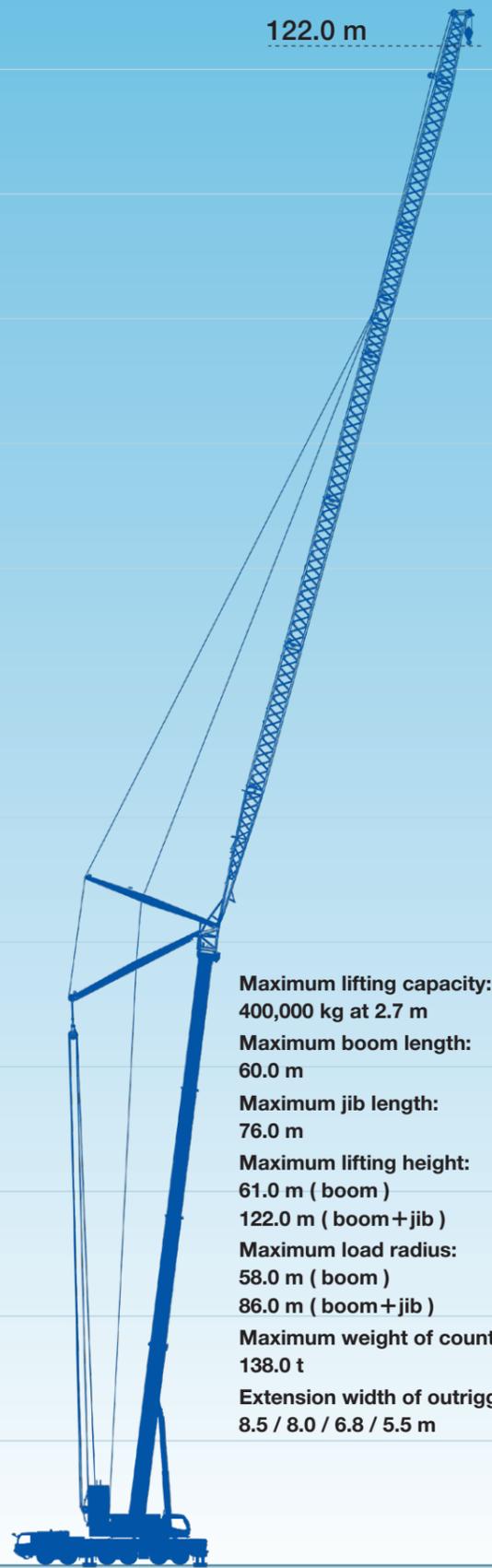
ATF 400G-6 EUROMOT 3B

The ATF 400G-6 has a 138-tonne counterweight and is available with the optional 76 m luffing jib or/and our "Power System" boom suspension.

This crane is the classic 6 axle crane you are used to with all the same transportation and set-up requirements that go with it, but with one difference: the strength of the main boom.

This means that you need to check if you want to invest in a boom suspension system at all. Take a look for yourself!

122.0 m

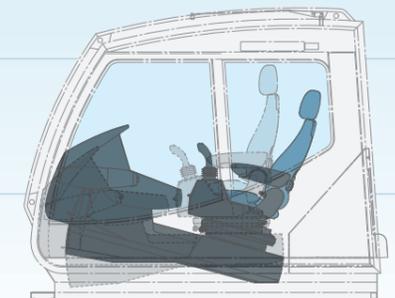


- Maximum lifting capacity:
400,000 kg at 2.7 m
- Maximum boom length:
60.0 m
- Maximum jib length:
76.0 m
- Maximum lifting height:
61.0 m (boom)
122.0 m (boom + jib)
- Maximum load radius:
58.0 m (boom)
86.0 m (boom + jib)
- Maximum weight of counterweight:
138.0 t
- Extension width of outriggers:
8.5 / 8.0 / 6.8 / 5.5 m

- Optional:
- Tiltable fly jib
- Hydraulic tiltable jib
- Hydraulic telescopic luffing jib
- Luffing jib



Crane cabin



Adjusting seat tilt

The seat can be tilted for 15°. It is useful when performing a high lifting worksuch as a jib lift.

Crane

The high performance moment limiter comes standard and aids the operator in maintaining safe operation.

The ultimate boom for the all terrain crane

The rounded boom is made of high tensile steel, which allows for decreased boom weight and increased boom strength.



Hydraulic telescoping and luffing jib ^{*Optional}

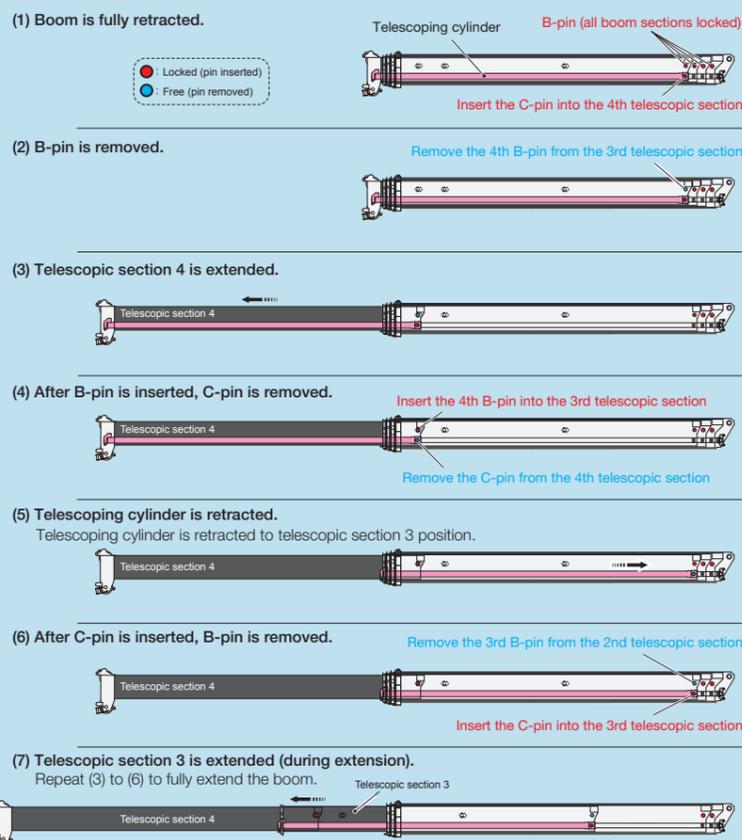
The ATF 400G-6 can be equipped optionally with an up to 31 m long fully hydraulically telescopic and tiltable jib (HTLJ). This permits uncomplicated lifting of loads beyond building edges and into upwardly restricted building structures, which would not be possible with rigid jibs. This means that the HTLJ made by TADANO works like an additional fully hydraulic main boom. The HTLJ enables the additional advantage of assembly within approx. 30 minutes without an auxiliary crane - even in confined spaces when it is not extended.

*An auxiliary crane is required to mount the adapter on the boom head.



Single telescopic cylinder

For extension and retraction of sections, 5 section box type construction consisting of 1 base section and 4 telescopic sections are extended by a single telescopic cylinder. All sections are fully extended/retracted automatically and locked in the selected working position.



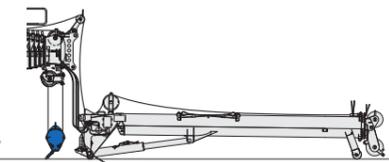
1 Set up on outriggers.



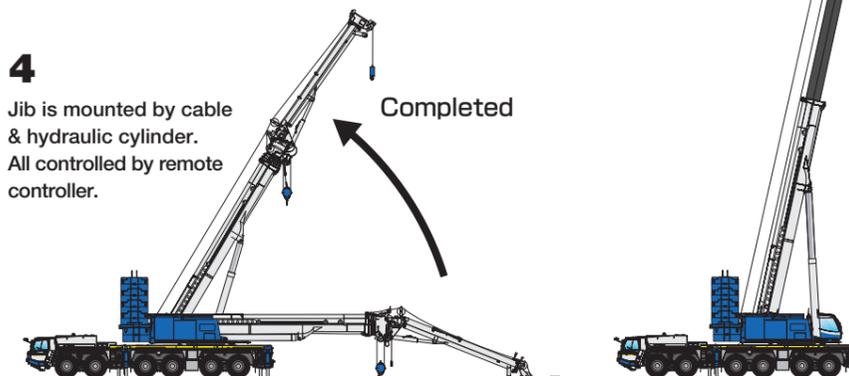
2 Place HTLJ in position.



3 Connect the hydraulics and electric lines, and assembly the cable.

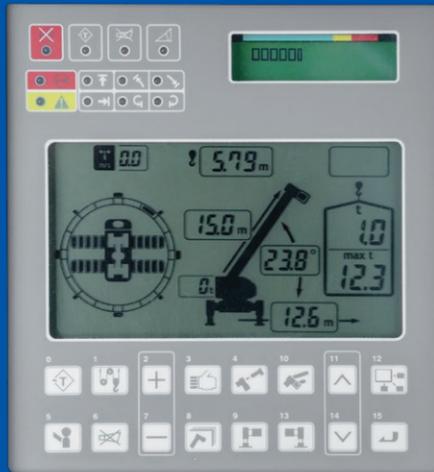


4 Jib is mounted by cable & hydraulic cylinder. All controlled by remote controller. **Completed**



Hydraulic telescoping and luffing jib:
Length: 10.3 m–31.0 m
Offset angle: 5°–60°

Automatic moment limiter [AML]



Tadano's AML is easy to use, innovative in design, displays important information to the operator and enables the operator to preset a custom working environment.

For example, the AML shows the boom angle, boom length, load radius, operating pressure of the elevating cylinder, the extension width of the outriggers, slewing position, rated lifting capacity and present hook load. These features allow the AML to move seamlessly through all lifting operations without having to change configurations or input new codes to make the lift. The AML safety features provide both audio and visual warnings.

When an operation approaches the load limit, Tadano's slow stop function engages to avoid shock loads.

Control of asymmetric extension width of outriggers

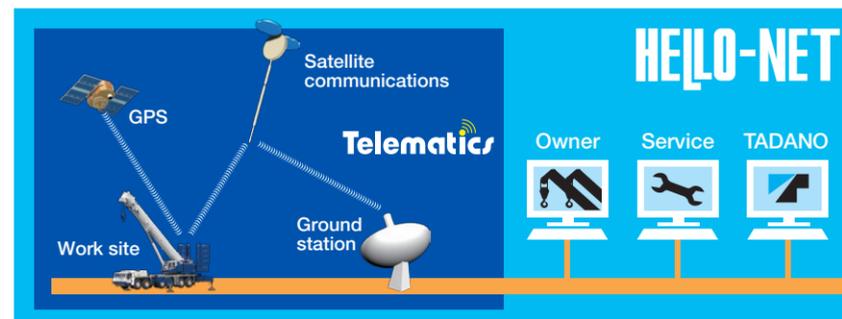
When operating the crane with the asymmetric outriggers extended, the AML automatically detects the extension width of outriggers at the front and rear, and to the left and right of the crane to allow maximum work capacity in each area. When slewing the boom from the longer outrigger area to the shorter outrigger area, the AML automatically detects the motion and displays the maximum capacity depending on each of the extension widths of outriggers, and brings the motion to a slow stop before it reaches the limits of the allowed capacity.

Therefore, even in the case of operator error, the AML's slow stop function will help to minimize any safety risk.



HELLO-NET

The HELLO-NET System is used to monitor crane activity straight from your computer or mobile device. You have the ability to view work history, machine position data and maintenance information. HELLO-NET provides advanced customer support between the owners' site and TADANO Group.



Note: HELLO-NET availability varies by situation. For details, please contact your distributor or our sales staff.

Lift Adjuster

Boom deflection occurs when the winch is wound due to the weight of the lifted load, causing the lifted load to sway in a direction that expands the load radius as it clears the ground.

This situation requires very careful and precise operation to mitigate outward movement of the hook block. In the lift adjuster function, the AML detects boom deflection and automatically adjusts boom angle to mitigate outward hook block movement.



Release Adjuster

When the load touches the ground, the deflected boom straightens causing the hook block to move inward toward the crane. This situation requires very careful and precise operation to mitigate the inward movement of the hook block.

In the release adjuster function, the AML detects when the load touches the ground and automatically adjusts boom angle to mitigate inward hook block movement.



Operator comfort

The crane cab provides improved livability and offers the operator a more comfortable working environment.



Tadano's carriers boast highway speed capacity and maneuverability ideal for both on and off-road construction as well as industrial projects. These models enable access to confined job site because of their all wheel steering.

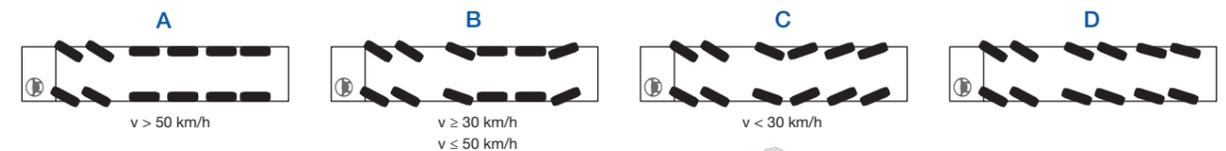


Two-person, full-width cabin
The full-sized cabin accommodates two passengers, allows comfortable traveling for the operator.

Automatic mechanical transmission



Four steering modes Hydraulic power steering.



High performance engine



Mercedes-Benz 8 cylinder model OM 502 LA (Euromot III B)
Rated: 480 kW (653 PS) at 1,800 min⁻¹.
Torque: 3,000 Nm (306 kpm) at 1,300 min⁻¹



Transmission

Heavy-duty ZF-TC-Tronic transmission with a torque converter and integrated interarder. Features an electro-pneumatically operated dry clutch with automatic shifting between the twelve forward and two reverse gears. Equipped with power and economy modes.

	Max traveling speed	Overall length	Overall width	Overall height	Drive/steering
 Tires: 445/95 R25 (16.00 R25)	85 km/h	17.9 m	3 m	3.99 m	12 x 8 x 12