The Individual rich lineup of the 5-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.

**ATF 220G-5**

No 5-axle crane in its class compares to the ATF 220G-5 in terms of lifting power. High load capacity combined with a 68 m main boom and an axle load of 12 t ensure a wide range of utility and applications. This generates enormous income opportunities.

**ATF 180G-5**

The wide application spectrum of the ATF 180G-5 enables incredible ease of use. Whether it’s with a 0 t counterweight or a full counterweight, the load capacity of the ATF 180G-5 is excellent. This makes it a fantastic investment towards the flexibility and utility of your crane fleet.

**ATF 130G-5**

The ATF 130G-5 has an 18 m boom extension which is mounted to the 60 m main boom. At a total weight of 60 t and an axle load of 12 t, it can be transported along with the crane. The boom extension can be used as a 3.8 m heavy duty jib or as a 10/18 m jib as demanded by the work to be performed. This means that neither the boom extension nor the heavy jib need to be transported separately then mounted, resulting in considerable reduction in costs.
**ATF 220G-5**
- Maximum lifting capacity: 220,000 kg at 2.5 m
- Maximum boom length: 69.0 m
- Maximum jib length: 37.2 m
- Maximum lifting height: 108.0 m (boom + jib)
- Maximum load radius: 64.0 m (boom) 84.0 m (boom + jib)
- Maximum weight of counterweight: 71.0 t
- Extension width of outriggers: 8.3 / 5.6 m
- Optional: Tiltable fly jib
- Optional: Hydraulic tiltable jib
- Optional: Hydraulic telescopic luffing jib

**ATF 180G-5**
- Maximum lifting capacity: 180,000 kg at 2.7 m
- Maximum boom length: 60.0 m
- Maximum jib length: 37.2 m
- Maximum lifting height: 99.0 m (boom + jib)
- Maximum load radius: 61.5 m (boom) 76.0 m (boom + jib)
- Maximum weight of counterweight: 50.0 t
- Extension width of outriggers: 8.3 / 5.6 m
- Optional: Tiltable fly jib
- Optional: Hydraulic tiltable jib
- Optional: Hydraulic telescopic luffing jib

**ATF 130G-5**
- Maximum lifting capacity: 130,000 kg at 2.7 m
- Maximum boom length: 60.0 m
- Maximum jib length: 32.0 m
- Maximum lifting height: 93.0 m (boom + jib)
- Maximum load radius: 56.0 m (boom) 72.0 m (boom + jib)
- Maximum weight of counterweight: 42.3 t
- Extension width of outriggers: 7.5 / 5.0 m
- Optional: Tiltable fly jib
- Optional: Hydraulic tiltable jib

The seat can be tilted for 15°. It is useful when performing a high lifting work such as a jib lift.
The rounded boom is made of high tensile steel, which allows for decreased boom weight and increased boom strength.

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

**Hydraulic telescoping and luffing jib** *Optional*

The ATF 220G-5 and ATF 180G-5 can be equipped optionally with an up to 20.9 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.

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**Single telescopic cylinder**

For extension and retraction of sections, 7 section box type construction consisting of 1 base section and 6 telescopic sections are extended by a single telescoping cylinder. All sections are fully extended/retracted automatically and locked in the selected working position.

*The case of boom: of ATF 220G-5

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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.**

**Dimensions:**
- **Cylinder Length:** 8.8 - 20.9 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.

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.

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 sites because of their all-wheel steering.

**High performance engine**

Mercedes-Benz 8 cylinder model OM 502 LA (Euromol III B / EPA Tier 4i)

Rated: 405 kW (551 PS) at 1,800 min⁻¹

Torque: 2,600 Nm (265 kpm) at 1,300 min⁻¹

**Transmission**

ZF-AS-Tronic 16 AS 2631 mechanical transmission with integrated retarder, electro-pneumatically operated dry-type clutch and automatic gear shifting with 16 forward gears and 2 reverse gears. Power / Economy modes.

(ATF 130G-5: ZF-AS-Tronic 12 AS 2531 mechanical transmission with integrated retarder, electro-pneumatically operated dry-type clutch and automatic gear shifting with 12 forward gears and 2 reverse gears. Power / Economy modes.)

**Transmission**

Mercedes-Benz 8 cylinder model OM 502 LA (Euromol III B / EPA Tier 4i)

Rated:

- 405 kW (551 PS) at 1,800 min⁻¹
- 2,600 Nm (265 kpm) at 1,300 min⁻¹

**Two-person, full-width cabin**

The full-sized cabin accommodates two passengers, allowing comfortable traveling for the operator.

**Automatic mechanical transmission**

**Five steering modes**

A

B

C

D

E

Hydraulic power steering.

**Photo:** ATF 220G-5

**Drive/steering**

<table>
<thead>
<tr>
<th>Max traveling speed</th>
<th>Overall length</th>
<th>Overall width</th>
<th>Overall height</th>
<th>Drive/steering</th>
</tr>
</thead>
<tbody>
<tr>
<td>85 km/h</td>
<td>15.12 m</td>
<td>3 m</td>
<td>3.94 m</td>
<td>10 x 8 x 10 (10 x 8 x 10)*</td>
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<tr>
<td>85 km/h</td>
<td>15.13 m</td>
<td>3 m</td>
<td>3.99 m</td>
<td>10 x 8 x 10 (10 x 8 x 10)*</td>
</tr>
<tr>
<td>85 km/h</td>
<td>14.85 m</td>
<td>2.76 m</td>
<td>3.99 m</td>
<td>10 x 8 x 10 (10 x 8 x 10)*</td>
</tr>
</tbody>
</table>

*Optional

**Tires**

- Tires: 385/95 R25 (14.00 R25)
- Tires: 445/95 R25 (16.00 R25)
- Tires: 445/95 R25 (16.00 R25)