The individual rich lineup of the 4-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.

The ATF 100G-4 is the perfect crane for those looking for a powerful 100 t class crane in a mobile, compact size. Its complete counterweight of 22.3 t is located within the 2.75 m width of the vehicle for easy maneuverability in very tight construction site spaces. The cab is also very comfortable. Its slewing radius of only 3.91 m offers optimal maneuverability during crane operations.

The ATF 70G-4 boasts a 52.1 m main boom and two engines while still maintaining up to 12 t axle loads without issue. This, combined with its host of available accessories, makes it clear that the ATF 70G-4 is the prime example of a taxi crane with quick and straightforward deployability.

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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.

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.

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.
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

High performance engine
Mercedes-Benz 6 cylinder model OM 501 LA (Euromot III B / EPA Tier 4i)
Rated:
320 kW (435 PS) at 1,800 min⁻¹
Torque:
2,100 Nm (214 kpm) at 1,300 min⁻¹

Transmission
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.

Four steering modes
Hydraulic power steering.

<table>
<thead>
<tr>
<th>Drive/steering</th>
<th>Overall length</th>
<th>Overall width</th>
<th>Overall height</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 x 6 x 8</td>
<td>13.05 m</td>
<td>2.75 m</td>
<td>3.93 m</td>
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<td>*Optional</td>
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<tr>
<td>8 x 6 x 8</td>
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<td>2.55 m</td>
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Photo: ATF 100G-4