

# ATF 220G-5

Subject to change without prior notice

## Equipment



**Frame:** Torsion-resistant, welded construction made from high strength, fine-grained steel. Central lubricating system.

**Outriggers:** 4 point, double telescopic hydraulic outriggers with controls on both sides of carrier and in superstructure cab. Outrigger base 8.3 m (5.6 m mid extension) x 9.01 m.

**Carrier engine:** Mercedes-Benz 8 cylinder model OM 502 LA (Euromot III B / EPA Tier 4i), water-cooled diesel engine. Rated at 405 kW (551 HP) at 1800 min<sup>-1</sup>. Torque 2600 Nm (265 kpm) at 1300 min<sup>-1</sup>. Engine rating according to 80 / 1269 /EWG. Fuel tank 540 l. AdBlue-tank 40 l.

**Transmission:** ZF-AS-Tronic 16 AS 2602 mechanical transmission with electro-pneumatically operated dry-type clutch and automatic gear shifting with 16 forward gears and 2 reverse gears. Power / Economy modes.

**Transfer Case:** Two stage.

**Drive:** 10 x 8 (10 x 6 optional)

**Axles:**

- 1<sup>st</sup> axle: steered, driven (\*not driven).
  - 2<sup>nd</sup> axle: steered, driven.
  - 3<sup>rd</sup> axle: steered, not driven.
  - 4<sup>th</sup> axle: steered, driven, with longitudinal differential lock.
  - 5<sup>th</sup> axle: steered, driven.
- All driven axles with transverse differential locks.

**Suspension:** Hydro-pneumatic with levelling adjustment.

**Brake system:** Service brakes: dual circuit compressed air system. Parking brake: spring loaded type acting on 2<sup>nd</sup>, 4<sup>th</sup> and 5<sup>th</sup> axles. Auxiliary brakes: intarder with brake control, engine exhaust brake and constant throttle engine brake system.

**Tyres:** (10) 385/95 R 25 (14.00 R 25).

**Steering system:** ZF-Servocom, dual circuit hydraulic steering with emergency steering pump, mechanical hydraulically assisted steering of front two axles and automatic steering of the 3<sup>rd</sup> and 4<sup>th</sup> axle up to a travel speed of 25 km/h and of the 5<sup>th</sup> axle up to 50 km/h.

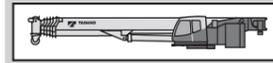
**Carrier cab:** Two man full width cab of composite (steel sheet metal and fibre-glass) structure, with safety glass, air-cushioned adjustable seats (driver seat with heater) and engine dependent water heater, radio/CD-player, complete controls and instrumentation for road travel. Cruise control with hill braking feature functions.

**Electrical system:** 24 volt DC system, 2 batteries, CAN-Bus system with CSS integrated self-diagnosis system, outrigger area lighting. Electrical system conforms with EEC regulations.

**Optional Equipment:** (at extra charge)

Towing attachment, engine independent additional heater with engine pre-heat, air conditioning, ABS, 445/95 R 25 (16.00 R 25), 525/80 R 25 (20.5 R 25) tyres, spare wheel and tyre, special painting and lettering.

Further optional equipment available upon request.



**Frame:** Torsion-resistant, all-welded structure of high strength steel. Connected to carrier by single-row, ball-bearing slewing ring with external gearing for 360° continuous rotation. Central lubricating system.

**Superstructure engine:** Mercedes-Benz 4 cylinder model OM 924 LA (Euromot III B / EPA Tier 4i), water cooled diesel engine. Rated at 143 kW (194 HP) at 1800 min<sup>-1</sup>. Torque 800 Nm (82 kpm) at 1200 - 1600 min<sup>-1</sup>. Engine rating according to 80 / 1269 /EWG. Fuel tank 250 l. AdBlue-tank 8 l.

**Hydraulic system:** Three circuit diesel hydraulic system with 1 double axial piston pump, 1 axial piston pump and 1 gear pump, oil cooler.

**Controls:** Electrical, 2 joy-stick levers for simultaneous operation of crane motions.

**Telescopic boom:** 7 sections, made of high tensile, finegrained steel, consisting of 1 base section and 6 telescoping sections extended by means of a single telescopic cylinder. All telescope sections extendable under partial load. 13.2 m to 68.0 m long.

**Derricking system:** 1 double acting hydraulic cylinder with integral brake and holding valve.

**Main winch:** Axial piston motor, winch drum with integrated planetary reduction and hydraulically controlled spring-loaded multiple disc brake and integrated free rotation (no sagging of load when hoisting). Hoist cable with 'Super-Stop' easy reeving system.

**Slewing system:** Axial piston motor with three-stage planetary gear equipped with automatic service and a parking brake. Closed hydraulic circuit with free slewing function. Speed infinitely variable 0 - 1.2 min<sup>-1</sup>.

**Counterweight:** Total 71 t divisible, assembled and disassembled by hydraulic cylinders controlled from superstructure cab.

**Superstructure cab:** Spacious panoramic cab of composite structure with safety (tinted) glass windows, tiltable cockpit with hydraulically cushioned adjustable seat with heater, engine dependent water heater engine independent water heater (with engine pre-heat), air conditioning, radio/CDplayer. Complete controls and instrumentation plus LCD graphic display for crane operation.

**Electrical system:** 24 volt DC system, 2 batteries.

**Safety devices:** 'Lift Adjuster', load moment device (LMD), anemometer, working area limiter, hoist limit switch, lower limit switch and drum turn indicator, safety valves against pipe and hose rupture, holding valves on hydraulic cylinders.

**Optional Equipment:** (at extra charge)

Boom extensions 13.2 m to 37.2 m, offsets 0°, 20° and 40° or hydraulically 0°- 40°, heavy duty jib 5.4 m, boom extensions HTLJ 8.5 m to 21 m (hydraulically offsets and telescopic 0° - 60°), counterweight variations 12 t / 23.5 t / 35 t / 47 t, selection of hook blocks 10 t - 160 t, auxiliary winch (same as main winch), special painting and lettering, outrigger load display.

Further optional equipment available upon request.

# ATF 220G-5

Max. lifting capacity  
**220 t**

Boom  
**13.2 - 68 m**

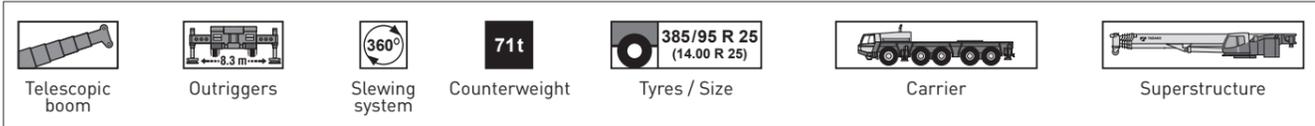
Extension  
**5.4 / 13.2 - 60 m**

Max. lifting height incl. extension  
**108 m**

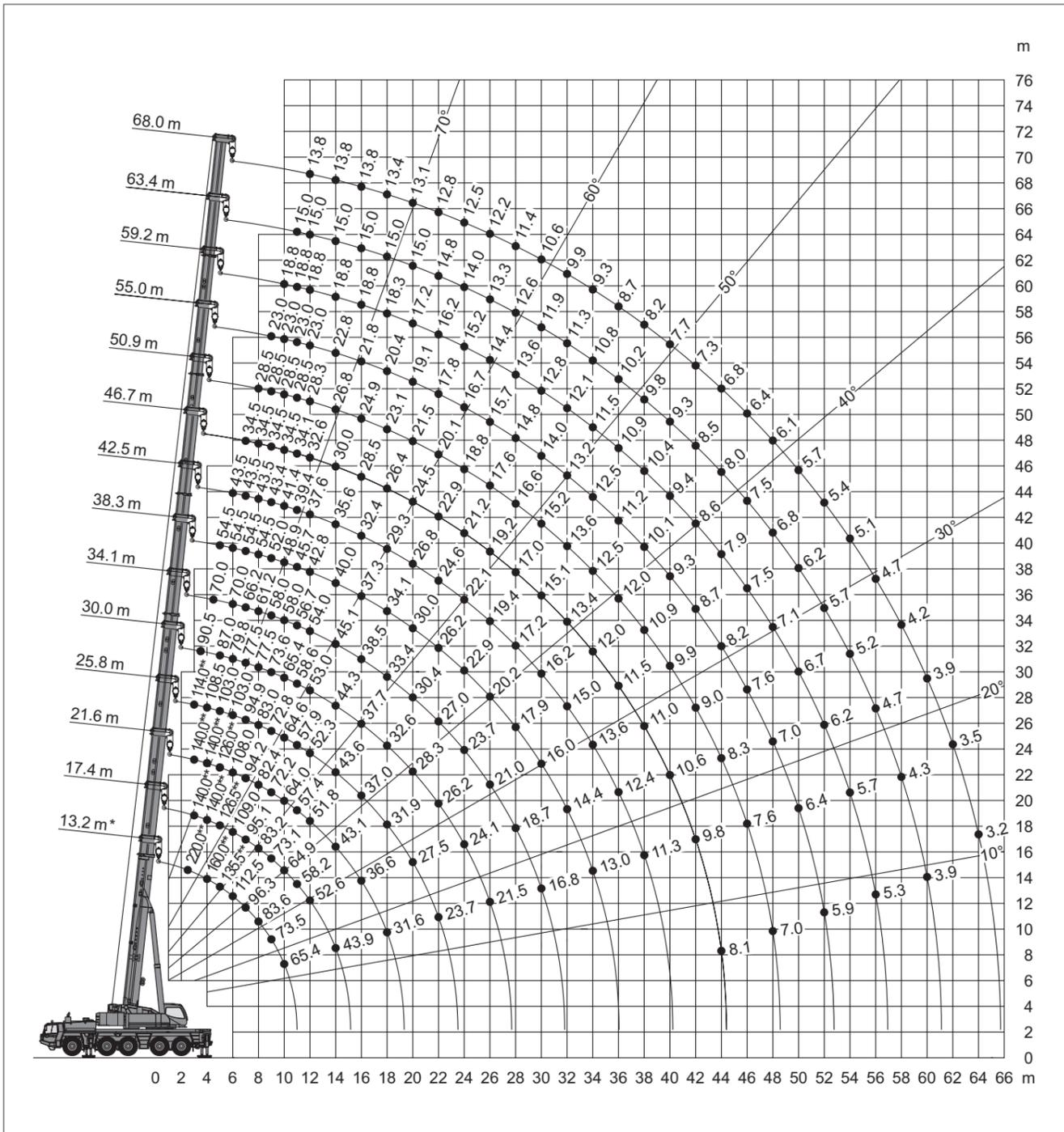
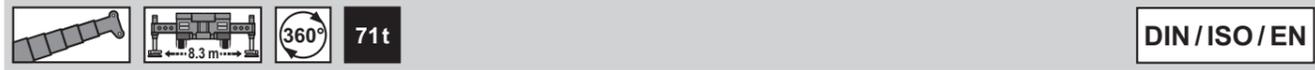
Total weight  
**60 t, 12 t axle load**



Symbols



Lifting heights



\* Over rear  
\*\* With additional lifting equipments

Dimensions (mm)

