

# ATF 110G-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 7.5 m (5.0 m mid extension) x 7.74 m.

**Carrier engine:** Mercedes-Benz 8 cylinder model OM 502 LA (Euromot III A/EPA III), water-cooled diesel engine. Rated at 390 kW (530 HP) at 1800 min<sup>-1</sup>. Torque 2400 Nm (245 kpm) at 1300 min<sup>-1</sup>. Engine rating according to 80 /1269 /EWG. Fuel tank 500 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.

**Transfer Case:** Two stage.

**Drive:** 10 x 6

**Axles:**

1<sup>st</sup> axle: steered, not driven.  
2<sup>nd</sup> axle: steered, driven.  
3<sup>rd</sup> axle: not steered, not driven, lift axle.  
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, engine exhaust brake and constant throttle engine brake system.

**Tyres:** (10) 445/95 R 25 (16.00 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 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.

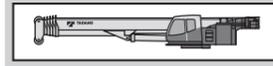
**Carrier cab:** Two man full width cab of composite (steel sheet metal and fibre-glass) structure, with safety glass, air-cushioned adjustable seats, engine dependent water heater, radio / CD-player, complete controls and instrumentation for road travel. Speed control.

**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, 10 x 8 drive, ABS, 385/95 R 25 (14.00 R 25), 525/80 R 25 (20.5 R 25) tyres, spare wheel and tyre, special painting and lettering, outrigger load display.

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 904 LA (Euromot III A / EPA III), water-cooled diesel engine. PRM infinitely variable via foot pedal, rating 129 kW (175 HP) at 2200 min<sup>-1</sup>. Torque 675 Nm (69 kpm) at 1200 - 1600 min<sup>-1</sup>. Engine rating according to DIN 6270B / DIN 6271. Fuel tank 320 l.

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

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

**Telescopic boom:** 5 sections, made of high tensile, finegrained steel, consisting of 1 base section and 4 telescoping sections extended by means of a single telescopic cylinder. All telescope sections extendable under partial load. 13.0 m to 52.0 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 reduction with a foot actuated or automatic service and a parking brake, open circuit with free slewing function. Speed infinitely variable 0 - 1.7 min<sup>-1</sup>.

**Counterweight:** Total 8.7/11.0 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, engine dependent water heater and engine independent water heater (with engine pre-heat), air conditioning, radio / CD-player. Complete controls and instrumentation plus LCD graphic display for crane operation.

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

**Safety devices:** Load moment device (LMD), anemometer, working area display, 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 9.5 m / 16.2 m to 30.1 m, heavy duty jib 3.5 m, additional counterweight for max. 35 t, counterweight variations 0 t / 4.5 t / 20.8 t / 28.8 t, selection of hook blocks 10 t - 125 t, slewing area limitation, auxiliary winch (same as main winch), special painting and lettering.

Further optional equipment available upon request.

# ATF 110G-5

Max. lifting capacity  
**110 t**

Boom  
**13 - 52 m**

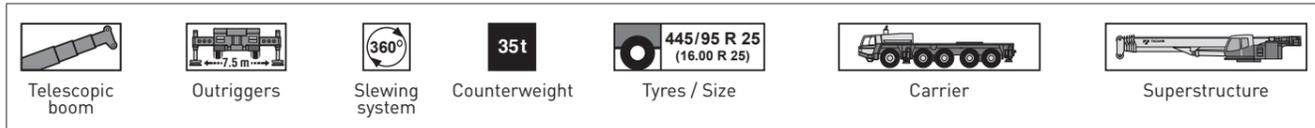
Extension  
**9.5 / 16.2 - 30.1 m**

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

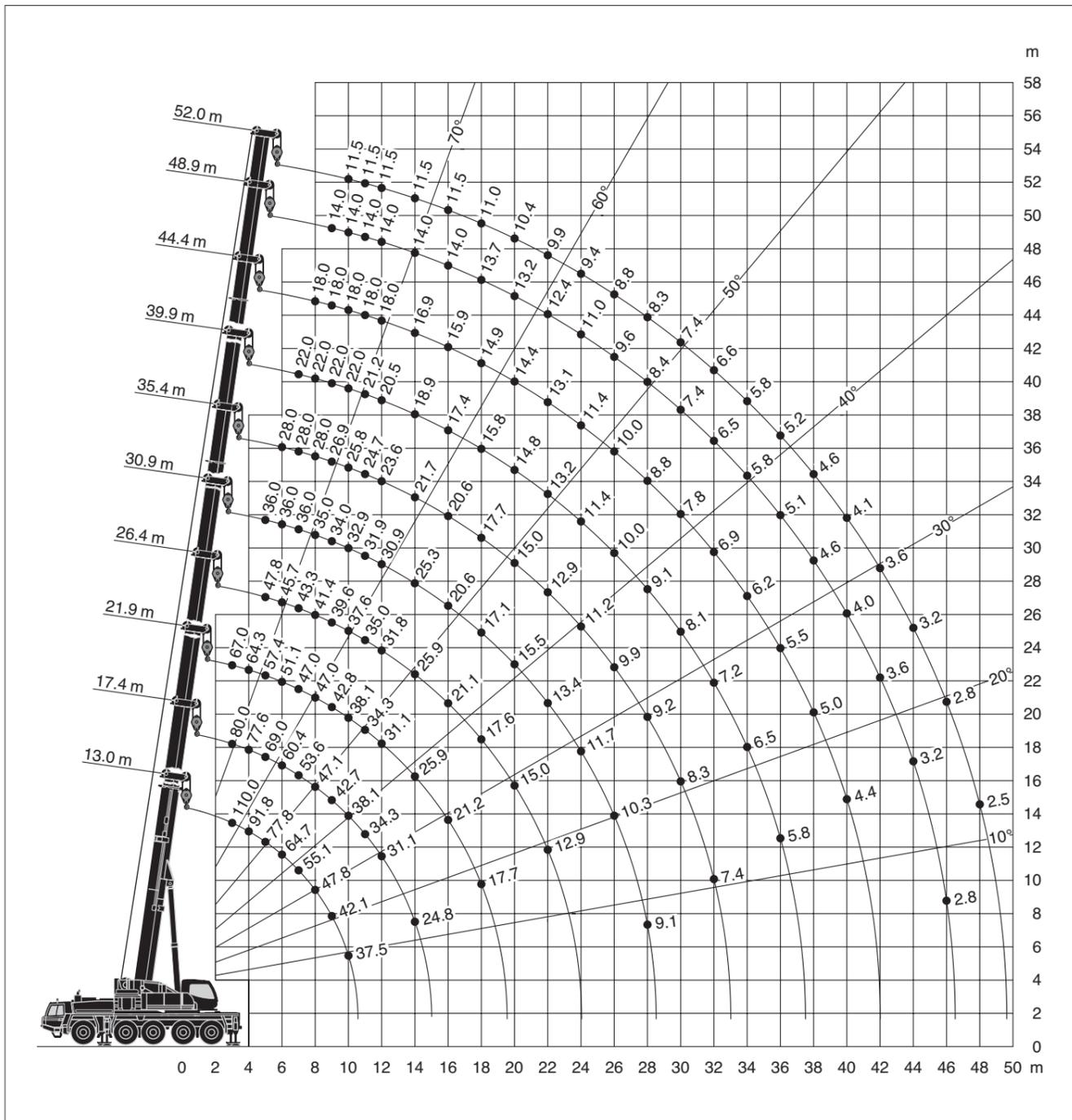
Total weight  
**60 t, 12 t axle load**  
**48 t, 10.4 / 10.4 / 10.4 / 8.4 / 8.4 t axle load**



Symbols



Lifting heights



Dimensions (mm)

