

ATF 180G-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⁻¹. Torque 2600 Nm (265 kpm) at 1300 min⁻¹. 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 integrated interarder, 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:

- 1st axle: steered, driven ('not driven).
 - 2nd axle: steered, driven.
 - 3rd axle: steered, not driven.
 - 4th axle: steered, driven, with longitudinal differential lock.
 - 5th 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 with air dryer. Parking brake: spring loaded type acting on 2nd, 4th and 5th axles. Auxiliary brakes: interarder with brake control, 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 3rd and 4th axle up to a travel speed of 25 km/h and of the 5th axle up to 50 km/h.

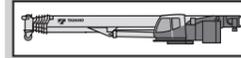
Carrier cab: Two man full width cab of composite (steel sheet metal and fibre-glass) structure, with safety glass, air-cushioned adjustable seats (driver seat with heater) and engine dependent water heater, radio/CD-player, complete controls and instrumentation for road travel. Cruise control with hill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

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

Optional Equipment: (at extra charge)

Towing attachment, engine independent additional heater with engine pre-heat, air conditioning, ABS, 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 129 kW (175 HP) at 2200 min⁻¹. Torque 675 Nm (69 kpm) at 1200 - 1600 min⁻¹. Engine rating according to 80/1269/EWG. Fuel tank 250 l. AdBlue-tank 8 l.

Hydraulic system: Three circuit diesel hydraulic system with 1 power controlled double axial piston pump (hydraulically adjustable) and 1 axial piston pump, oil cooler.

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

Telescopic boom: 6 sections, made of high tensile, finegrained steel, consisting of 1 base section and 5 telescoping sections extended by means of a single telescopic cylinder. All telescope sections extendable under partial load. 13.2 m to 60.0 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 a foot actuated or automatic service and a parking brake. Open circuit with free slewing function. Speed infinitely variable 0 - 1.2 min⁻¹.

Counterweight: Total 50 t divisible, assembly and disassembly 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 additional 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: 'Lift Adjuster' to prevent dangerous swinging of the load, load moment device (LMD), anemometer, working arealimiter, 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° (5.4 m integrated heavy duty jib + 7.5 m tip section + 4 inserts à 6.12 m x 0.64 m x 1.10 m/ weight 440 kg), boom extensions HTLJ 10.4 m to 22.8 m (hydraulically offsets and telescopic 0° - 60°), LMD-programme for 12 t, 24 t and 36 t counterweight, 10 t swivel hook, selection of hook blocks 25 t - 160 t, auxiliary winch (same as main winch), additional oil cooler, special painting and lettering, outrigger load display.

Further optional equipment available upon request.

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Max. lifting capacity
180 t

Boom
13.2 - 60 m
(+ 13.2 m boom extension)

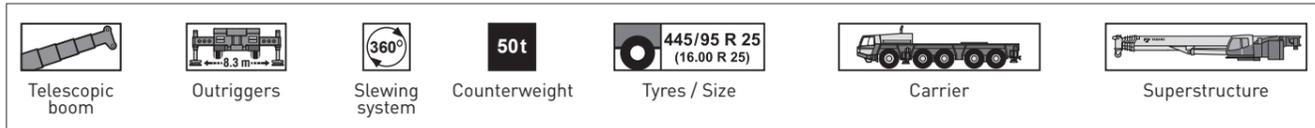
Extension
5.4 / 13.2 - 60 m

Max. lifting height incl. extension
100 m

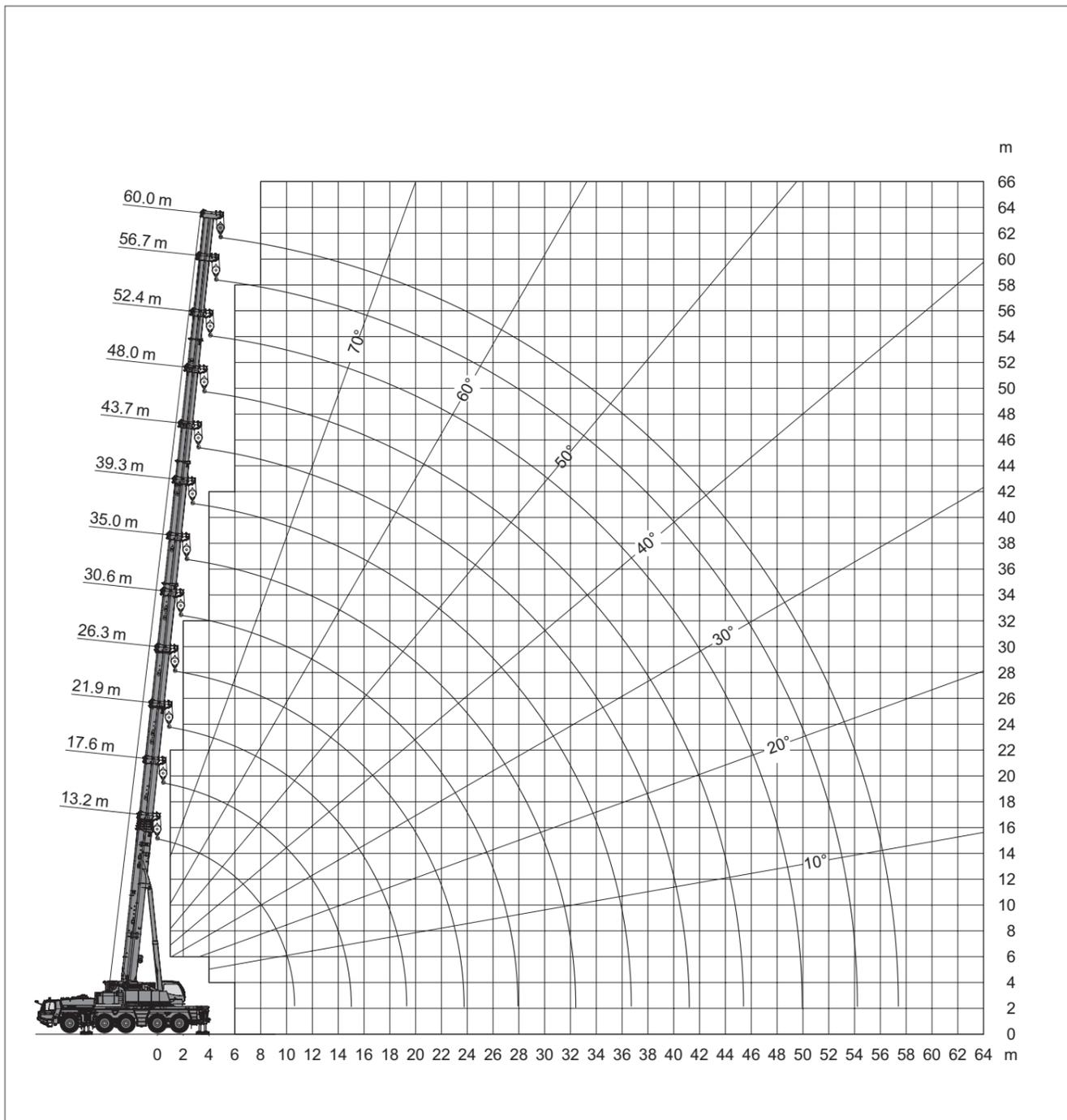
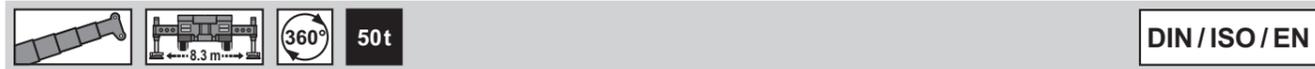
Total weight
60 t, 12 t axle load, incl. 13.2 m boom extension, 25 t hook block, 10 t swivel hook, drive 10 x 8, tyres 445/95 R 25 (16.00 R 25)



Symbols



Lifting heights



Dimensions (mm)

