

TEREX  **CRANES**

ATT 600/2



F / GB

PPM

ATT 600/2

MAIN TECHNICAL CHARACTERISTICS

● TYPE	- 3-axle all terrain crane
● CAPACITY	- Maximum capacities 50 tonnes at 3 meters (CE) - 55 tonnes at 3 meters 85% - 60 U.S. tons
● BOOM	- 40 meters (131 ft) on 5 boom sections
● HEIGHT	- 41,20 meters (135 ft) under hook on main boom - 55,60 meters (182 ft) under hook on double-folding lattice extension (15 meters : 49 ft)
● HYDRAULICS	- 2nd generation load sensing distribution with independent slewing circuit
● CHASSIS	- 6 x 6 x 6 wheel drive from both cabs
● ENGINE	- MERCEDES Euromot 2 - 230 KW turbo (313 HP)
● SUSPENSION	- Self levelling hydropneumatic suspension with controlled damping.

WEIGHT

Axle	1	2	3	Total Weight
Weight T (lbs)	12 (26,460 lbs)	12 (26,460 lbs)	12 (26,460 lbs)	36 (79,380 lbs)

(1) Tires 1600 x 25 - Counterweight 2,9 T. - Electric retarder - Single extension

GEARS⁽²⁾

Gear ratios (Forward/Reverse)	1	2	3	4	5	6	1	2
Road speed kph (mph)	9 (5.6)	14 (8.7)	22 (13.7)	34 (21)	50 (31)	75 (46,5)	9 (5.6)	22 (13.7)
Gradeability	55 %						55 %	

(2) 1600 x 25 tires

Lifting	Main winch: maximum linepull (1st layer/4th layer)	5.6 / 4.5 t.
	Main winch: maximum single line speed	120 m/mn
	Auxiliary winch: maximum linepull (1st layer/4th layer)	5.6 / 4.5 t.
	Auxiliary winch: maximum single line speed	120 m/mn
Boom hoist	Time to move from -3° to 80.5°	50 seconds
Telescoping	Time to extend from 10.55 metres to 40 metres	95 seconds
Slewing	Speed of movement	0 to 1.8 rpm
Outriggers	Time to extend horizontal beams	28 seconds
	Time to extend vertical jacks	38 seconds

CARRIER AND POWERTRAIN

- **CONSTRUCTION** - PPM design. Machine welded carrier frame from high-tensile steel.
- **OUTRIGGER OPERATION** - Outriggers controlled from each side of the carrier and from the upper cab.
 - Horizontal beams extended independently.
- **ENGINE** - Mercedes OM 501 LA, 6-cylinder in V turbo diesel with intercooler. Water cooled. 230 KW (313 HP) at 1,800 rpm. Maximum torque: 1,530 N/m at 1,080 rpm. 9.6-litre capacity. Fuel tank capacity: 400 litres (105 U.S. gallons).
- **TRANSMISSION** - Torque converter and powershift gearbox with 6 forward and 2 reverse gears.
 - Automatic lock-up on all gears.
- **AXLES** - 3 drive/steer axles with planetary hub reduction. Differential lock on each axle.
 - Differential lock from both cabs.
 - 6-wheel drive from both cabs.
- **SUSPENSION** - PPM HYDROSTABLE hydropneumatic suspension :
 - Shock absorption controlled via integrated valves inside suspension cylinders.
 - Hydraulic anti-rolling device stabilizes the crane in corners and bends.
 - Constant trim and slope level adjustment.
 - Suspension hydraulically lockable.
- **STEERING** - Power-assisted steering by double steering circuit complying with **CE** directives.
 - Hydrostatic steering from the upper cab.
 - Axles 1 and 2 (front axles) are steer axles on road.
 - Axle 3 is steer axle on site.
 - All-wheel steer and crab steer from both cabs.
- **BRAKING** - Complying with **CE** directives.
 - Main twin double braking circuit.
 - Parking brake and emergency brake: spring-loaded on axle 2 and axle 3.
 - Electrical retarder on the rear axle.
- **TYRES** - Six 14.00 R 25 tyres.
- **CAB** - 2-seater cab equipped with all the components necessary to allow comfortable and safe travelling. Tinted windows. Cathaphoresis treated cab to prevent rusting.
- **PNEUMATIC CIRCUITS** - Air cleaner to purify and dry the compressed air.

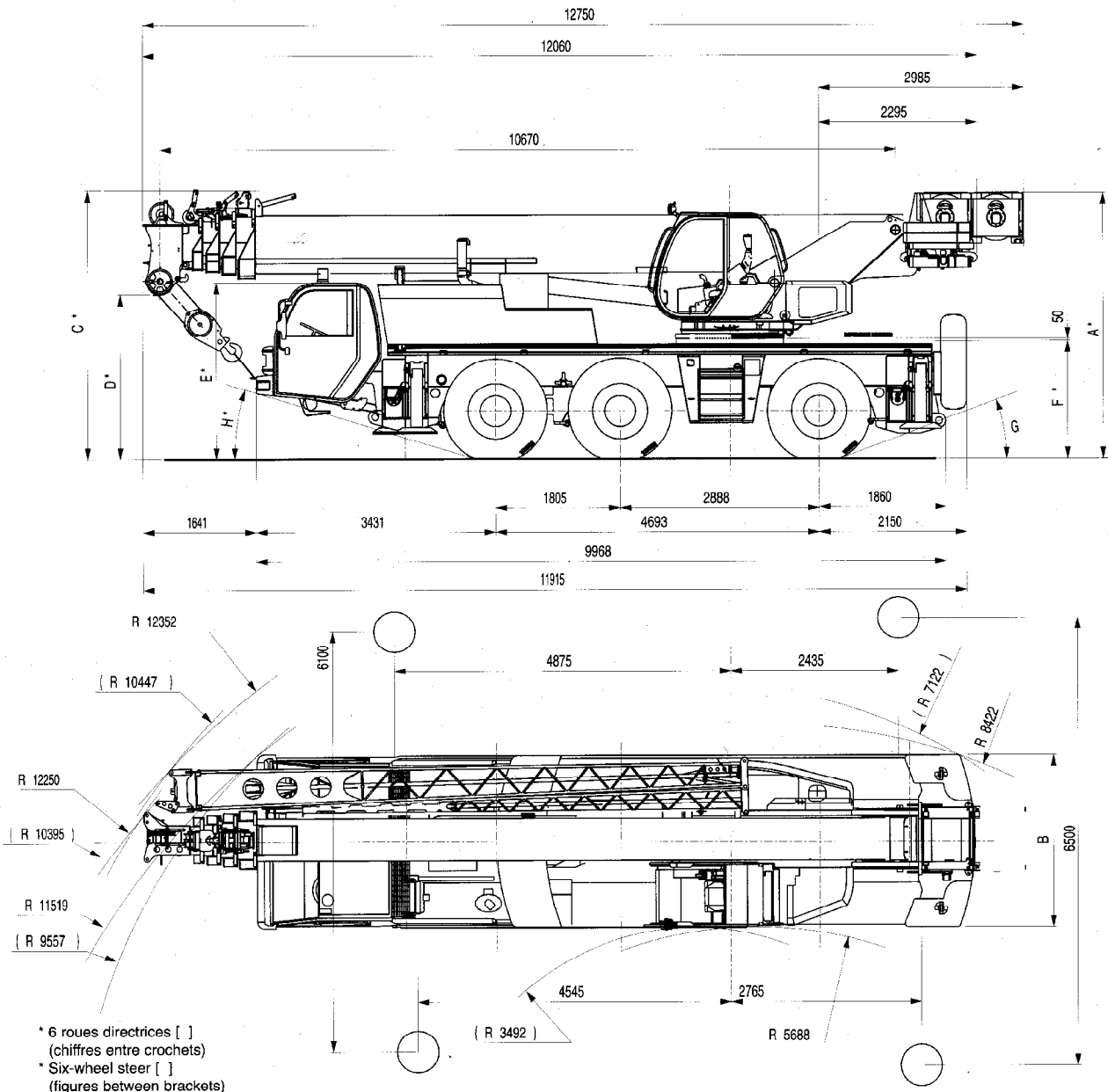
UPPERSTRUCTURE

- **CONSTRUCTION** - PPM design. Machine welded frame made from high-tensile steel. Ball bearing slewing ring with external gear teeth.
- **HYDRAULICS** - 1 main pump with variable displacement, 1 pump with fixed displacement for slewing driven by engine. 2nd generation Load Sensing regulation. Proportional valve bank. 500-litre (113 U.S. gallons) reservoir. 10 μ filtering. Hydraulic oil cooler.
- 2 hydraulic joysticks with automatic return to neutral.
- **WINCH** - Axial piston motor. Integrated planetary reducer. Cable diameter 16 mm, length 180 metres, 40-ton standard hookblock.
- **DERRICKING** - 1 double acting ram. Speed of descent controlled by safety valve.
- **SLEWING** - PPM-designed slewing mechanism :
 - Free rotation of the upperstructure with dynamic foot brake.
 - Precise and progressive start of movements.
 - Gradual movements with engine at idle.- Hydraulic vane motor with planetary reducer. Dynamic hydraulic disc brake integrated in the reducer.
- **TELESCOPING** - 5-section full power telescoping boom.
- Folded steel sections optimize guiding.
- **CAB** - Panoramic cab with full visibility and equipped with all the controls for operating the crane in comfort and safety. Tinted windows.
- 0 to 20° offset angle. Cataphoresis treated cab. New design. Heater.
- **SECURITY DEVICES** - LMI (Load Moment Indicator). Alphanumeric LCD display.
- Safety valves on telescoping, derricking and stabilizers. Anti two-block device, three wraps remaining safety device. Pressure limiters on all hydraulic functions.
- **ELECTRIC CIRCUITS** - 24 volts. 2 batteries (12 V/160 Ah), maintenance free. Circuit-breaker protected.
- Printed circuits in the driving cab and the upperstructure cab improve wiring reliability.
- Electrical harness with marked wires protected by thermoplastic sheaths : can be easily accessed and dismantled.
- EC approved lighting.

OPTIONS

- Lattice extension: 8 metres (26 ft 3 ins), can be folded and stored along the right hand side of the boom. Offset angles: 0°, 15°, 30°.
- Double-folding lattice extension: 8 metres + 7 metres (26 ft 3 ins + 23 ft). Offset angles: 0°, 15°, 30°.
- 15-tonne (16.5 U.S. tons) hookblock (3 lines), 50 / 55-tonne (60 U.S. tons) (12 lines) and single line hook.
- Tyres: 16.00 R 25, 20.5 R 25.
- Spare wheel.
- Auxiliary winch: cable diameter 16 mm (5/8 ins), 180 m (590 ft) length.
- Other optional equipment on request.

DIMENSIONS



* 6 roues directrices []
 (chiffres entre crochets)
 * Six-wheel steer []
 (figures between brackets)

(*) Suspension en position basse
 (*) Suspension in lowered position

	A	B	C	D	E	F	G	H
14.00 R 25	3840	2500	3840	2339	2506	1640	17°	17,5°
16.00 R 25	3890	2660	3890	2389	2556	1690	19°	19°
20.5 R 25	3877	2750	3877	2376	2543	1677	18,5°	18,5°

(*) Suspension en position basse - (*) Suspension in lowered position

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Les photos peuvent montrer des équipements optionnels - Nous nous réservons le droit de modifier les spécifications données sans préavis.