

/ All terrain
crane

ATC1000



ATC1000



Capacity CE
100 T



Boom length
11.6-54.2 m



Jib
9.5-16 m



Max height
73.3 m





/ All terrain crane **ATC1000**

CARRIER

Carrier Frame

Chassis torsion-resistant box type construction in high strength steel

Outriggers

Four hydraulic H-stabilizers moved by horizontal cylinders and jacks with locking valves with self-levelling system

Easily removable support feet

Controls and position indicator placed in the cab.
Planimetric sensor for tilt display on main display in cab

Use with remote control

Engine

6-cylinder Diesel watercooler MERCEDES BENZ OM 470 LA E5-1 (Stage V – Euromot 5)

Maximum power 340 kW (462 HP) at 1600 rpm

Max torque 2200 Nm

Fuel tank 500 l – AdBlue tank 40 l

Transmission

Automatic transmission ZF Traxon -12 gears forward and 4 reverse

Steering - Axles

Dual-circuit hydraulic power steering

8x6x8, 4 steering axle, 3 trailing axle 1-3 and 4 with locking transverse differential, 3 axle with longitudinal differential lock

Suspension

Hydropneumatics lockable suspension with hydraulic cylinders on each axle, connected to gas-precharged accumulators

Tires

8 tires dimension 445/95R25 (16.00 R 25)

Brakes

Double circuit power assisted on all wheels, equipped with disc brakes

Parking brake on all wheels

Engine brake on exhaust system via throttle valve

Driver's Cab

Spacious two-seat cab with seats equipped with seat belts, anti-vibration mounts and soundproofed

Adjustable driver's seat

Equipped with 10" main display for axle leveling and steering management, hot/cold air conditioning system, diesel regeneration + two 7" displays, one for brake system pressure control and one for vehicular functions

Electrical Equipment

24 Volt, 2 batteries 140 Ah



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UPPER STRUCTURE

Telescopic Boom

Boom length 11.6-54.2 m – 1 base section and 5 telescopic sections hydraulically extendable and independent of one another

Maximum tip height 57.6m

Boom Elevation

Telematic extension cylinder with safety valve, boom angle from -1 a +80°

Hydraulic System

3 axial piston variable displacement in load sensing and one gear pump, driven by the chassis Diesel engine

Electric Load Sensing control, n°2 self-centering hand control levers joystick type

Tank capacity: 800 l

Hoist

With variable displacement axial piston motors, drums with integrated planetary gearboxes and multidisc spring brake

Slewing

Hydraulic motor coupled to reducer. Free rotation system

Continuous 360° rotation

Electro-pneumatic insertion of the rotation locking pin directly from the cab

Angular sensor for viewing the turret position on the main display in the cabin

Cab

Panoramic cab, tilttable (21°), Large windows with panoramic visibility with the possibility of opening the front glass

Two electric washers / wipers

Ergonomic sliding seat and adjustable in height, depth and according to the weight of the operator

Security belt

Soundproofed and air conditioned

Counterweight

Total counterweight 27 T consisting of various sections with hydraulic removal system

Safety Devices

Load limiter with graphic display, limit switches and safety valves on all cylinders and negative brakes for winches and rotation

Electrical System

CAN bus technique, 24 Volt DC

Crane Controls

Electric manipulators on operator seat armrests for independent or simultaneous control of crane movements over electrical system in can bus

Main 12" display for managing crane functions (load limiter, telematics cylinder functions, stabilization and ballast configuration

Secondary display for winch camera and rear camera display

Hot/cold air conditioning system

Optional Equipment

Single folding Jib 9 m

Double swing-away Jib 9/16 m

Mechanical adjustment 0°- 15°- 30°

Auxiliary hoist

Runner 2 m (offset 0°- 20°- 40°)

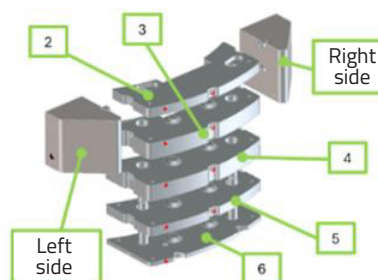
Extra-counterweight for a total of 27T

Other accessories on request



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BALLAST CONFIGURATION



	CONFIGURATION	WEIGHT [T]	SEQUENCE / COMBINATION	SPECIFIC WEIGHT [T]
	Road configuration	3.5	Fixed ballast	3.5
	Jobsite drive configuration (technically transportable)	8	Fixed ballast	3.5
			1 st Counterweight plate 6	1.9
			2 nd Counterweight plate 2	2.6
	Intermediate ballast configuration	11.5	Fixed ballast	3.5
			1 st Counterweight plate 6	1.9
			2 nd Counterweight plate 4	6.1
	Medium ballast configuration	17.6	Fixed ballast	3.5
			1 st Counterweight plate 6	1.9
			2 nd Counterweight plate 5	3.5
			3 rd Counterweight plate 4	6.1
			4 th Counterweight plate 3	2.6
	Maximum ballast configuration	22.8	Fixed ballast	3.5
			1 st Counterweight plate 6	1.9
			2 nd Counterweight plate 5	3.5
			3 rd Counterweight plate 4	6.1
			4 th Counterweight plate 3	5.2
			5 th Counterweight plate 2	2.6
	Maximum ballast configuration + extra	27.2	Fixed ballast	3.5
			1 st Counterweight plate 6	1.9
			2 nd Counterweight plate 5	3.5
			3 rd Counterweight plate 4	6.1
			4 th Counterweight plate 3	5.2
			5 th Counterweight plate 2	2.6
			6 th Right side ballast	2.2
			7 th Left side ballast	2.2

/All terrain crane
ATC1000



27.2 T

TELESCOPIC BOOM LIFTING CAPACITIES

/All terrain crane
ATC1000



100%



27.2 T



360°



TABLE 1: Outriggers extension 100% | Counterweight 27,2 T

Unit T

Radius (m)	Boom length (m)													Radius (m)
	11.6 rear	11.6	15.5	19.4	23.3	27.3	31.2	35.1	39	43.8	48.5	50.3	54.2	
3	100*	63.3	63.3	60	52.5									3
3.5	74.9	61.7	61.9	58.5	51.5	42.1								3.5
4	63.3	57	57.1	56.9	49.5	41.4								4
4.5	59.3	52.6	52.9	52.9	48	40.8	33.7							4.5
5	55.6	48.8	49	49	47	40.1	33							5
6	47.5	42.3	42.6	42	42.5	38	32	22.1						6
7	39.9	36.8	37.4	37	37.5	35.5	30	21.8	19.7					7
8	34	31.7	32.3	32.6	32.6	32	29	21.1	19.5	14				8
9	27.5	27.3	28.3	28.6	28.5	28.4	26.5	20.1	18.7	13.8	10.9			9
10			25.5	26.2	26.2	26.3	25.7	18.8	17.9	13.4	10.8	9		10
11			22.5	23	23	23.2	23.2	18.2	16.1	12.9	10.5	9	6.9	11
12			20	20.5	21	21.4	21.5	17.6	14.6	12.3	10.2	8.8	6.6	12
14				16.8	17.2	17.9	18.2	16	14	11.3	9.7	8.4	6.2	14
16				13.7	13.8	14.5	15.1	14.6	13.4	10.4	9	7.8	5.9	16
18					11.3	12	12.6	12.1	11.2	9.7	8.3	7.3	5.5	18
20						9.9	10.5	10.4	9.5	8.9	7.7	6.9	5.5	20
22						8.3	8.9	8.8	8.2	8	7.1	6.4	5.1	22
24							7.6	7.5	7	7.6	6.8	6.0	4.8	24
26							6.5	6.3	5.9	6.7	6.1	5.6	4.6	26
28								5.4	5	5.9	5.4	5.2	4.4	28
30								4.6	4	5.3	4.7	4.6	4	30
32								3.8	3.3	4.6	4.2	4.1	3.5	32
34									2.7	4	3.7	3.6	3	34
36									2.2	3.5	3.2	3.2	2.8	36
38										3	2.8	2.8	2.7	38
40										2.7	2.5	2.4	2.5	40
42											2.1	2.1	2.3	42
44											1.8	1.8	2.1	44
46												1.6	1.9	46
48													1.5	48
50													1.20	50
T1 (%)	0	0	45	45	45	45	45	90	90	45	100	100	100	T1 (%)
T2 (%)	0	0	0	45	45	45	45	45	90	45	100	100	100	T2 (%)
T3 (%)	0	0	0	0	45	45	45	45	90	90	90	100	100	T3 (%)
T4 (%)	0	0	0	0	0	45	45	45	45	100	90	100	100	T4 (%)
T5 (%)	0	0	0	0	0	0	45	45	0	90	45	45	90	T5 (%)

*With special auxiliary equipment

TELESCOPIC BOOM LIFTING CAPACITIES

/All terrain crane
ATC1000



100%



22.8 T



360°



TABLE 2: Outriggers extension 100% | Counterweight 22,8 T

Unit T

Radius (m)	Boom length (m)													Radius (m)
	11.6 rear	11.6	15.5	19.4	23.3	27.3	31.2	35.1	39	43.8	48.5	50.3	54.2	
3	100*	63.3	63.3											3
3.5	74.9	61.7	61.9	58.5	51.5	42.1								3.5
4	63.3	57	57.1	56.9	49.5	41.4								4
4.5	59.3	52.6	52.9	52.9	47.8	40.8	33.7							4.5
5	55.6	48.8	49	49	42	39	33							5
6	47.5	42.3	42.6	42.6	41.8	36.7	32	22.1						6
7	39.9	36.8	37.4	37.2	36.4	35.5	30	21.8	18.7					7
8	34	31.7	32.3	32.6	32.6	32	29	21.1	18.5	14				8
9	27.5	27.3	28.3	28.6	28.5	28.4	26.5	20.1	18	13.8	10.9			9
10			25	26.2	26.2	26.3	25.7	18.8	17.3	13.4	10.8	9		10
11			22	23	23	23.2	23.2	18.2	16.1	12.9	10.5	9	6.9	11
12			19.4	20.4	20.8	21	21.2	17.6	14.6	12.3	10.2	8.8	6.6	12
14				15.4	16.1	16.7	16.8	15.8	13.8	11.3	9.7	8.4	6.2	14
16				12.1	12.7	13.3	13.9	12.8	12	10.4	9	7.8	5.9	16
18					10.2	10.8	11.5	10.7	10.2	9.7	8.3	7.3	5.5	18
20						8.9	9.6	8.9	8.5	8.9	7.7	6.9	5.5	20
22						7.4	8	7.5	7.3	7.8	7.1	6.4	5.1	22
24							6.7	6.4	6.2	6.6	6.6	6	4.8	24
26							5.7	5.4	5.2	5.9	5.7	5.6	4.6	26
28								4.5	4.4	5.4	4.95	5	4.4	28
30								3.8	3.6	4.6	4.3	4.3	4	30
32								3.2	2.9	4	3.75	3.7	3.5	32
34									2.3	3.4	3.25	3.2	3	34
36									1.8	2.9	2.8	2.8	2.7	36
38										2.5	2.4	2.4	2.2	38
40										2.1	1.9	2	1.8	40
42											1.6	1.7	1.5	42
44											1.3	1.3	1.2	44
46												1	1	46
48														48
50														50
T1 (%)	0	0	45	45	45	45	45	90	90	45	100	100	100	T1 (%)
T2 (%)	0	0	0	45	45	45	45	45	90	45	100	100	100	T2 (%)
T3 (%)	0	0	0	0	45	45	45	45	90	90	90	100	100	T3 (%)
T4 (%)	0	0	0	0	0	45	45	45	45	100	90	100	100	T4 (%)
T5 (%)	0	0	0	0	0	0	45	45	0	90	45	45	90	T5 (%)

*With special auxiliary equipment

TELESCOPIC BOOM LIFTING CAPACITIES

/All terrain crane
ATC1000



100%



17.6 T



360°



TABLE 3: Outriggers extension 100% | Counterweight 17,6 T

Unit T

Radius (m)	Boom length (m)												Radius (m)
	11.6	15.5	19.4	23.3	27.3	31.2	35.1	39	43.8	48.5	50.3	54.2	
3	63.3	63.3											3
3.5	61.6	61.8	58.5	51.5	42.1								3.5
4	56.8	56.8	56.9	49.5	41.4								4
4.5	52.4	52.7	52.9	47.8	40.8	33.7							4.5
5	48.6	48.8	49	42	39	33							5
6	41.9	42.1	42.6	41.8	36.7	32	22.1						6
7	35.6	36.2	37.2	36.4	35.6	30	21.8	18.7					7
8	30.7	31.2	32	31.6	31.2	29	21.1	18.5	14				8
9	26.5	27.1	28.6	28.3	28	26.5	20.1	18	13.8	10.9			9
10		23.2	24.6	24.2	24	24.1	18.8	17.3	13.4	10.8	9		10
11		20.1	20.7	20.7	20.8	21.1	18.2	16.9	12.9	10.5	9	6.9	11
12		17.5	17.6	18.1	18.3	18.6	17	15.4	12.3	10.2	8.8	6.6	12
14			13.2	13.8	14.4	14.8	13.7	12.2	11.3	9.6	8.4	6.2	14
16			10.3	10.9	11.5	12	11.4	10.2	10.4	8.9	7.8	5.9	16
18				8.6	9.3	10	9.5	8.6	9.2	8.3	7.3	5.5	18
20					7.5	8.3	7.9	7.1	7.9	7.5	6.8	5.45	20
22					6.2	6.8	6.5	6	6.9	6.3	6.3	5.1	22
24						5.7	5.5	5	6.1	5.4	5.4	4.75	24
26						4.8	4.4	4.1	5.2	4.6	4.6	4.6	26
28							3.7	3.3	4.4	3.9	3.9	4.1	28
30							3	2.6	3.7	3.3	3.3	3.5	30
32							2.4	2.1	3.2	2.8	2.8	3	32
34								1.6	2.6	2.4	2.4	2.6	34
36									2.2	2	2	2.2	36
38									1.8	1.65	1.65	1.85	38
40									1.4	1.3	1.3	1.5	40
42										1	1	1.3	42
44										0.7	0.75	1	44
46											0.5	0.7	46
48													48
50													50
T1 (%)	0	45	45	45	45	45	90	90	45	100	100	100	T1 (%)
T2 (%)	0	0	45	45	45	45	45	90	45	100	100	100	T2 (%)
T3 (%)	0	0	0	45	45	45	45	90	90	90	100	100	T3 (%)
T4 (%)	0	0	0	0	45	45	45	45	100	90	100	100	T4 (%)
T5 (%)	0	0	0	0	0	45	45	0	90	45	45	90	T5 (%)

TELESCOPIC BOOM LIFTING CAPACITIES

/All terrain crane
ATC1000



100%



11.3 T



360°



TABLE 4: Outriggers extension 100% | Counterweight 11,3 T

Unit T

Radius (m)	Boom length (m)												Radius (m)
	11.6	15.5	19.4	23.3	27.3	31.2	36	39.8	43.8	47.7	49.5	54.2	
3	63.3	63.3											3
3.5	61.6	61.45	58.5	51.5	42.1								3.5
4	56.8	56.35	56.9	49.5	41.4								4
4.5	52.4	52.05	52.9	47.8	40.8	33.7							4.5
5	48.6	47.65	49	42	39	33							5
6	41.9	40	42.6	41.8	36.7	32	21.8						6
7	35.6	32.85	37	36.4	35.6	30	20.1	17.6					7
8	29.5	29	30	29.5	29.3	28.9	18.8	17.4	14				8
9	24	24.5	24.9	24.5	24.7	24.6	17.5	16.9	13.8	10.9			9
10		20.5	21	20.7	20.9	21.3	16.2	16.1	13.4	10.8	9		10
11		17.2	17.7	17.6	18	18.4	15.2	15.3	12.9	10.5	9	6.9	11
12		14.4	14.9	15.3	15.7	16.2	14	14.2	12.3	10.2	8.8	6.6	12
14			11.1	11.7	12.2	12.7	12.7	12	11	9.6	8.4	6.2	14
16			8.4	9	9.7	10.2	9.8	9.7	9.1	8.5	7.8	5.9	16
18					7.8	8.4	8.5	8.2	7.6	7.1	6.9	5.5	18
20					6.2	6.9	7.2	6.9	6.4	6	5.8	5.45	20
22					5	5.7	6.2	6	5.4	5.1	4.9	4.6	22
24						4.7	5.3	5.1	4.6	4.3	4.2	3.8	24
26						3.8	4.5	4.4	3.9	3.6	3.5	3.2	26
28						3.1	3.9	3.8	3.3	3	3	2.7	28
30						0	3.4	3.3	2.8	2.5	2.5	2.2	30
32							2.8	2.8	2.4	2.1	2.1	1.8	32
34							2.4	2.4	2	1.7	1.7	1.4	34
36								2	1.7	1.4	1.4	1.1	36
38									1.4	1.1	1.1	0.85	38
40									1	0.8	0.8	0.6	40
42										0.6	0.6		42
44													44
46													46
48													48
50													50
T1 (%)	0	45	45	45	45	45	0	0	45	45	45	100	T1 (%)
T2 (%)	0	0	45	45	45	45	45	45	45	90	100	100	T2 (%)
T3 (%)	0	0	0	45	45	45	45	90	90	90	100	100	T3 (%)
T4 (%)	0	0	0	0	45	45	100	100	100	100	100	100	T4 (%)
T5 (%)	0	0	0	0	0	45	90	90	90	90	90	90	T5 (%)

TELESCOPIC BOOM LIFTING CAPACITIES

/All terrain crane
ATC1000



100%



8 T



360°



TABLE 5: Outriggers extension 100% | Counterweight 8 T

Unit T

Radius (m)	Boom length (m)												Radius (m)
	11.6	15.5	19.4	23.3	27.3	31.2	36	39.8	43.8	47.7	49.5	54.2	
3	63.3	63.3											3
3.5	61.3	61.45	58.5	51.5	42.1								3.5
4	56.35	56.35	56.9	49.5	41.4								4
4.5	51.8	52.05	52.9	47.8	40.8	33.7							4.5
5	47.4	47.65	49	42	39	33							5
6	39.85	39.7	40.8	39.7	36.7	32	21.8						6
7	32.4	32.85	33	31.8	31.6	30	20.1	17.6					7
8	26.65	27.4	26.6	25.5	25.5	25.3	18.8	17.2	14				8
9	22.3	22.1	22	21.1	21.2	21.1	17.5	15.9	13.8	10.9			9
10		18	18.1	18	18	18.2	16.2	14.8	13.4	10.8	9		10
11		15.1	15.5	15.4	15.5	15.4	14.5	13.55	12.9	10.5	9	6.9	11
12		12.6	12.9	13.3	13.3	13.4	12.6	12.2	12.3	10.2	8.8	6.6	12
14			9.3	9.7	10.1	10.3	9.8	9.6	9.7	9.6	8.4	6.2	14
16			6.7	7.1	7.8	8.2	7.7	7.6	7.8	7.7	7.5	5.9	16
18					6	6.5	6.2	6.2	6.4	6.4	6	5.5	18
20					4.7	5.3	5.3	5	5.2	5.3	4.9	4.6	20
22					3.6	4.2	4.5	4.2	4.2	4.4	3.9	3.8	22
24						3.4	3.8	3.5	3.4	3.6	3.2	3.1	24
26						2.6	3.1	2.9	2.8	2.9	2.6	2.5	26
28							2.6	2.4	2.3	2.3	2	1.9	28
30							2.1	2	1.8	1.8	1.5	1.5	30
32							1.8	1.6	1.4	1.4	1.1	1.1	32
34							1.4	1.3	1.1	1	0.8	0.8	34
36								1	0.8	0.7	0.5	0.5	36
38													38
40													40
42													42
44													44
46													46
48													48
50													50
T1 (%)	0	45	45	45	45	45	0	0	45	45	45	100	T1 (%)
T2 (%)	0	0	45	45	45	45	45	45	45	90	100	100	T2 (%)
T3 (%)	0	0	0	45	45	45	45	90	90	90	100	100	T3 (%)
T4 (%)	0	0	0	0	45	45	100	100	100	100	100	100	T4 (%)
T5 (%)	0	0	0	0	0	45	90	90	90	90	90	90	T5 (%)

TELESCOPIC BOOM LIFTING CAPACITIES

/All terrain crane
ATC1000



100%



3.5 T



360°



TABLE 6: Outriggers extension 100% | Counterweight 3,5 T

Unit T

Radius (m)	Boom length (m)												Radius (m)
	11.6	15.5	19.4	23.3	27.3	31.2	36	39.8	43.8	48.5	50.3	54.2	
3	63.3	63.3											3
3.5	61	61.1	58	51.5									3.5
4	55.9	55.9	56.2	49.5	42.1								4
4.5	51.2	51.4	51.4	47.8	41.4	33.7							4.5
5	46.2	46.5	45.9	42	40.8	33							5
6	37.8	37.3	35.3	34.2	33	32	22						6
7	29.2	29.5	29	27.6	27	26.5	20.5	17.6					7
8	22.6	23.8	23.1	22.2	22	21.7	18.4	17	14				8
9	18.1	19.3	18.6	18.3	18	17.9	15.8	14.9	13.8	10.9			9
10		15.5	15.5	15.4	15.3	15.3	14.1	13.5	12.6	10.8	9		10
11		12.8	13	13	13	13.1	12.5	11.8	11.1	10.5	9	6.9	11
12		10.7	10.9	11.1	11.2	11.4	11.2	10.5	10	9.6	8.8	6.6	12
14			7.7	8	8.5	8.8	8.8	8.2	7.6	7.3	7.3	6.2	14
16			5.3	5.8	6.2	6.8	7	6.2	6.2	5.7	5.6	5.5	16
18				4.1	4.7	5.3	5.7	5.4	5	4.3	4.3	4.4	18
20					3.6	4.1	4.6	4.3	4	3.4	3.3	3.4	20
22					2.6	3.3	3.8	3.5	3.2	2.5	2.5	2.6	22
24						2.5	3.1	2.8	2.5	1.9	1.85	2	24
26							2.5	2.2	2	1.35	1.3	1.4	26
28							2	1.7	1.5	0.9	0.85	1	28
30									1.1	0.5	0.5	0.6	30
32													32
34													34
36													36
38													38
40													40
42													42
44													44
46													46
48													48
50													50
T1 (%)	0	45	45	45	45	45	0	0	45	45	100	100	T1 (%)
T2 (%)	0	0	45	45	45	45	45	45	45	100	100	100	T2 (%)
T3 (%)	0	0	0	45	45	45	45	90	90	100	100	100	T3 (%)
T4 (%)	0	0	0	0	45	45	100	100	100	100	100	100	T4 (%)
T5 (%)	0	0	0	0	0	45	90	90	90	90	45	90	T5 (%)

TELESCOPIC BOOM LIFTING CAPACITIES

/All terrain crane
ATC1000



100%



27.2 T



9.5 m



TABLE 7: Outriggers extension 100% | Counterweight 27,2 T | Jib 9,5 m

Unit T

Boom length (m)																				
Radius (m)	11.6			27.2			36.8			44.6			50.3			54.2			Radius (m)	
	Jib offset																			
	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°		
3																			3	
3.5																			3.5	
4																			4	
5																			5	
6																			6	
7				5															7	
8				4.8															8	
9	2.2			4.5	3.4		5												9	
10	1.9			4.2	3.3		4.9												10	
11	1.3	2.2		3.9	3.2	2.8	4.8			5									11	
12	1.3	1.6	2.2	3.8	3	2.8	4.4	3.3		4.9									12	
14		1	1.1	3.3	3	2.7	4	3.2	2.8	4.5	3.3		4.9						14	
16				2.7	2.7	2.6	3.7	3	2.8	4.1	3.2	2.8	4.5	3.3						16
18				2.1	2.4	2.4	3.4	2.9	2.7	3.7	3	2.8	4	3.2	2.8	3.3			18	
20				1.5	1.9	2.1	2.9	2.7	2.5	3.6	3	2.7	3.8	3	2.8	4	3.1	2.8	20	
22				1.1	1.3	1.7	2.3	2.5	2.4	3.3	2.9	2.6	3.6	3	2.7	3.8	3	2.8	22	
24							1.9	2.2	2	2.8	2.7	2.5	3.3	2.9	2.6	3.6	3	2.7	24	
26							1.4	2	1.9	2.3	2.4	2.3	2.9	2.7	2.5	3.3	2.9	2.5	26	
28							1.1	1.2	1.5	1.9	2.2	2.2	2.5	2.5	2.4	2.9	2.7	2.4	28	
30							1			1.5	1.9	1.9	2.1	2.3	2.2	2.5	2.5	2.3	30	
32										1.2	1.3	1.6	1.7	2.1	2	2.2	2.3	2.1	32	
34										1	1	1.1	1.4	1.7	1.8	1.8	2	1.9	34	
36										0.9			1.2	1.3	1.4	1.4	1.6	1.6	36	
38													1	1	1.1	1.2	1.2	1.2	38	
40																1	1.1	1	40	
42																1			42	
44																			44	
46																			46	
T1 (%)	0			90			100			100			100			100			T1 (%)	
T2 (%)	0			90			100			100			100			100			T2 (%)	
T3 (%)	0			0			45			90			100			100			T3 (%)	
T4 (%)	0			0			45			45			100			100			T4 (%)	
T5 (%)	0			0			0			45			45			90			T5 (%)	

TELESCOPIC BOOM LIFTING CAPACITIES

/All terrain crane
ATC1000



100%



27.2 T



16 m



TABLE 8: Outriggers extension 100% | Counterweight 27,2 T | Jib 16 m

Unit T

Boom length (m)																				
Radius (m)	11.6			27.2			36.8			44.6			50.3			54.2			Radius (m)	
	Jib offset																			
	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°		
3																			3	
3.5																			3.5	
4																			4	
5																			5	
6																			6	
7																			7	
8				3.3															8	
9				3															9	
10				2.8															10	
11				2.8			3.2												11	
12	1.8			2.7 2			3												12	
14	1.3			2.5 2			2.8			3									14	
16	1.4			2 1.7 1.5			2.6 2			2.8			2.8			3			16	
18	0.95 1.2			1.9 1.6 1.4			2.4 1.8			2.7 2			2.8			2.8			18	
20	0.9			1.7 1.5 1.4			2 1.6 1.5			2.5 1.8			2.7 1.9			2.8 2			20	
22				1.5 1.5 1.4			1.9 1.5 1.4			2.2 1.6 1.5			2.5 1.7			2.6 1.8			22	
24				1.1 1.4 1.3			1.8 1.5 1.4			2 1.6 1.5			2.2 1.6 1.4			2.4 1.6 1.5			24	
26				0.9 1.2 1.2			1.8 1.5 1.4			1.9 1.5 1.4			2 1.5 1.4			2 1.6 1.4			26	
28				1.1			1.3 1.4 1.3			1.8 1.5 1.4			1.9 1.5 1.4			1.9 1.5 1.4			28	
30							1.1 1.3 1.3			1.7 1.5 1.3			1.8 1.5 1.4			1.8 1.5 1.3			30	
32							0.9 1.1 1.2			1.5 1.4 1.3			1.7 1.4 1.3			1.7 1.5 1.3			32	
34							1.1			1.1 1.3 1.3			1.5 1.4 1.2			1.6 1.4 1.3			34	
36										0.9 1.2 1.2			1.1 1.4 1.2			1.3 1.4 1.3			36	
38										0.95 1			0.9 1.2 1.2			1.2 1.3 1.2			38	
40										0.9			1.1 1.1			1 1.2 1.2			40	
42													0.95 1			0.9 1 1.1			42	
44																0.95 1			44	
46																0.9			46	
T1 (%)	0			90			100			100			100			100			T1 (%)	
T2 (%)	0			90			100			100			100			100			T2 (%)	
T3 (%)	0			0			45			90			100			100			T3 (%)	
T4 (%)	0			0			45			45			100			100			T4 (%)	
T5 (%)	0			0			0			45			45			90			T5 (%)	



/ All terrain crane ATC1000

SPECIFICATIONS



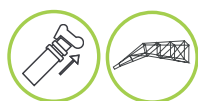
Capacity
CE

Capacity CE	Working radius
100 t	3 m



Hook

Capacity	Pulleys	Lines	Weight	Configuration
70 t	5	10	700 kg	Optional
50 t	5	10	570 kg	Standard
25 t	2	4	250 kg	Optional
20 t	1	3	300 kg	Optional
6 t	-	1	150 kg	Optional



Telescopic boom
and jib

Boom length	Max height	Sections	Luffing angle	Jib	Max height with jib
11.6 / 54.2 m	57,6 m	6	-1° / + 80°	9.5 / 16 m	73.3 m



Working
speed

	Max speed	Line	Line pull	Length
Main winch	0 - 100 m/min. direct pull	Ø 18	6,25 t / 61,3 kN	280 m
Secondary winch	0 - 100 m/min. direct pull	Ø 18	6,25 t / 61,3 kN	280 m
Rotation 360°	0 - 1,6 r/min			
Boom lifting	from -1° to 80°		95 s/ca	
Boom extension	from 11,6 to 54,2 m		600 s/ca	



Engine

Engine	Model (Stage V)	Cylinders	Nominal power	Max torque	Fuel tank	Adblue tank
MERCEDES BENZ	OM470 LA E5-1	6	340kW@1600 rpm	2200Nm@1460 rpm	500 l	40 l



Machine speed

Drive	1	2	3	4	5	6	7	8	9	10	11	12	R1	R2	R3	R4	Slope
Km/h	6.2	8	10.5	13.6	17.7	23.3	28.5	37.1	48.2	62.1	80	80	6.1	7.9	28.1	36.5	62%
Tires	445-95 R25 (16.00 R25)																



Weights

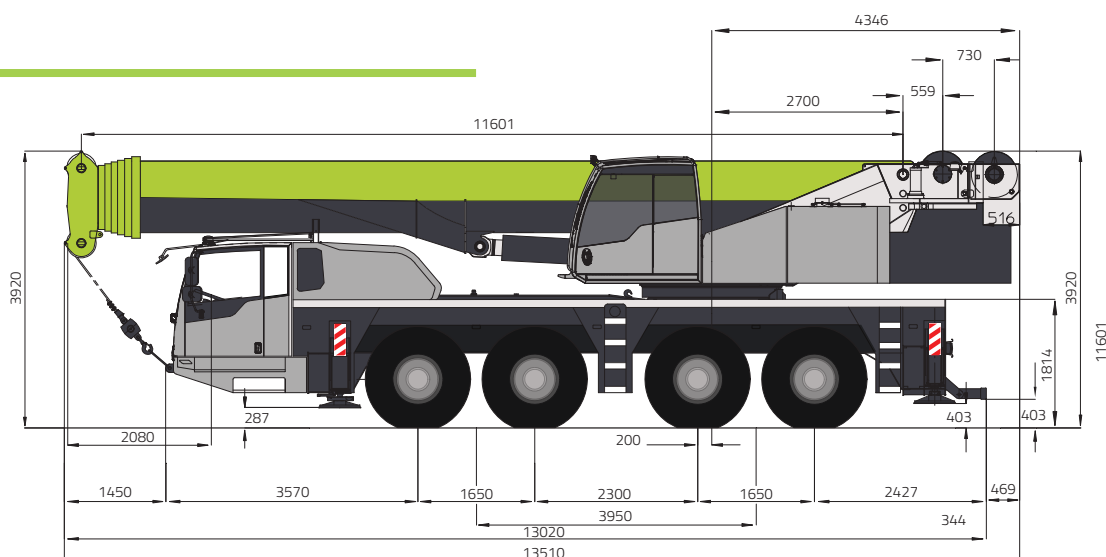
Axles	1	2	3	4	Total weight
T	12	12	12	12	48*

* with counterweight 3.2 t

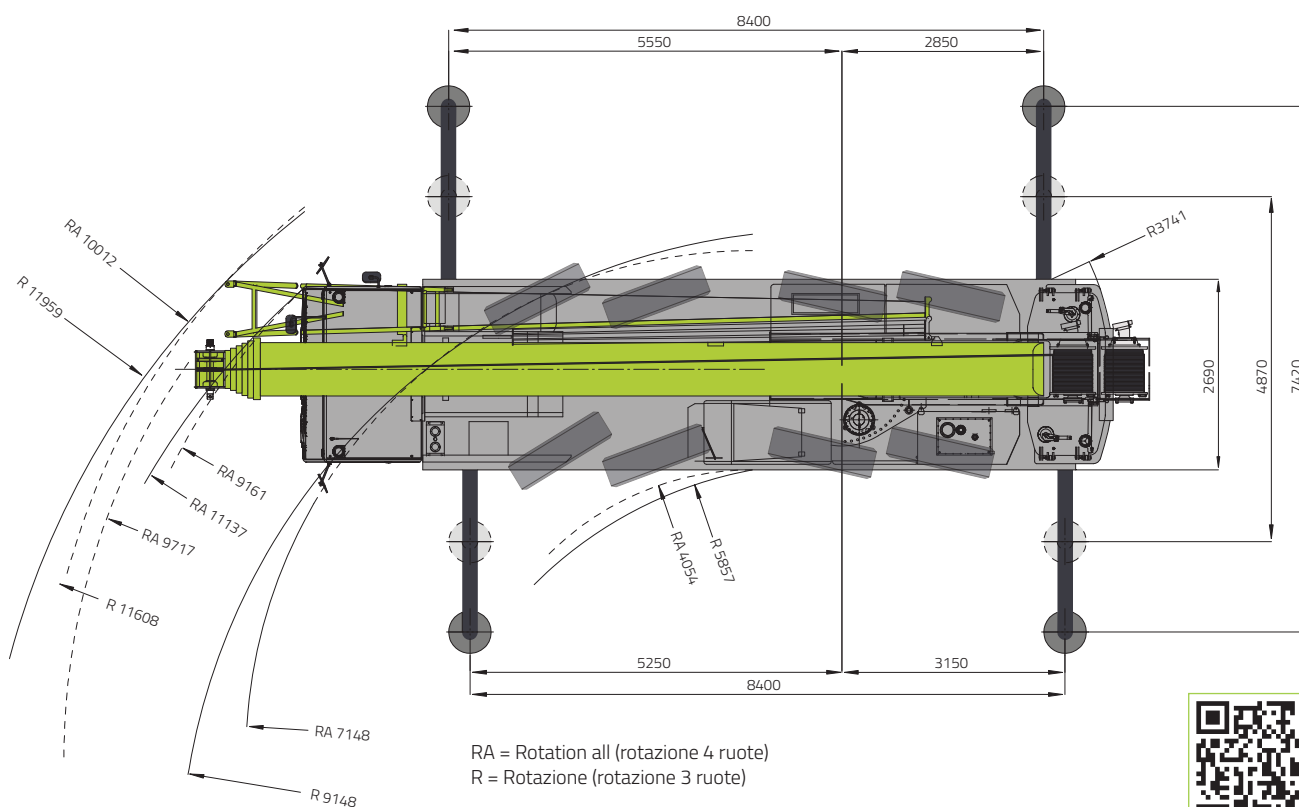


/ All terrain crane ATC1000

DIMENSIONS



STABILIZATION



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