

# Mobile Cranes and Access Equipment



Synergy at your service™

**Concarga** offers a comprehensive and effective crane service throughout South Africa and Sub Saharan access to a fleet of 75 **Mobile Cranes** incorporate lifting capacities from 8 tons to 440 tons. This is increasing to a fleet size of 100 mobile cranes.

**Concarga**, through its strategic business partnership arrangements, represents one of the largest **Mobile Crane** operations in the country. The basis of this growth has been the focus on reliability through stringent maintenance and service provision on the growing fleet, customer service and increasing demand from the construction, petrochemicals and marine sectors. The fleet is arguably the newest in the country.

**Concarga's** services are offered 24 hours a day and 7 days a week through its strategic business partners and alliances who engage a team of 80 highly experienced crane operators. **We** provide **our** clients with on site advice and inspections prior to commencement of the work, and is available at all times to oversee projects. Specialist rigging and abnormal transport are also available. **Concarga** provides both short term and long term **Mobile Crane** hire solutions. Industries serviced include the **Marine, Construction, Petrochemical, Power, Mining and Film Industry, etc.**

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## Technical Data

### All Terrain

#### LTM 1550

##### Description

As regards basic design, the eight-axle mobile crane LG 1550 is built very similarly to the LTM 1800. The 550-tonner however, features a lattice mast jib system in place of the telescopic boom. A combination of heavy-duty jib and luffing fly-jib achieve a hoisting height of 180 m with a reach of 124 m. A derrick featuring a 240 t suspended counterweight increases the lifting capacities by up to 260 %. The LG 1550 thus achieves lifting capacities normally attained by 800 - 1000 tonners.



##### Features

Maximum lifting capacity / radius	550 t at 4.5 m radius
Telescopic boom	21 m - 105 m
Lattice jib	21 m - 91 m
Carrier engine/output	Liebherr, 8-cylinder, turbo-Diesel, 420 kW
Crane engine/output	Liebherr, 6-cylinder, turbo-Diesel, 300 kW
Drive/steering	16 x 8 x 12
Travel speed	67.5 km/h
Operational weight	max. 600 t
Total counterweight	410 t



## LTM 1220

### Description

The LTM 1220-5.2 is engineered for maximum lifting performance. The total weight of the five-axle mobile crane is fully utilised to optimise load capacities. With a telescopic boom extension and a long folding fly-jib system, the LTM 1220-5.1 sets the standard when it comes to lifting height and boom length. Active rear-axle steering offers a choice of six convenient steering programmes.



### Features

Maximum lifting capacity / radius	220 t at 3 m radius
Telescopic boom	13.3 m - 60 m
Lattice jib	12.2 m - 43 m
Carrier engine/output	Liebherr, 8-cylinder, turbo-Diesel, 370 kW
Crane engine/output	Liebherr, 4-cylinder, turbo-Diesel, 180 kW
Drive/steering	10 x 8 x 10
Travel speed	80 km/h
Operational weight	60 t
Total counterweight	74 t

## LTM 1130

### Description

The LTM 1130-5.1 has a long and variable boom system with outstanding load capacities. With its ground-breaking technology, it is flexible and economical to operate. Because of its compact dimensions, the LTM 1130-5.1 can manoeuvre on confined building sites. Air-operated disc brakes, pioneered by Liebherr in mobile cranes, ensure that the crane operates safely and economically.



### Features

Maximum lifting capacity / radius	130 t at 3 m radius
Telescopic boom	12.7 m - 60 m
Lattice jib	10.8 m - 33 m
Carrier engine/output	Liebherr, 8-cylinder, turbo-Diesel, 370 kW
Crane engine/output	Liebherr, 4-cylinder, turbo-Diesel, 145 kW
Drive/steering	10 x 8 x 10
Travel speed	80 km/h
Operational weight	60 t
Total counterweight	42 t

## LTM 1095

### Description

The five axle mobile crane LTM 1095-5.1, with its 58 m boom, offers the longest telescopic boom in its class. The 95-tonner is able to carry 15 t ballast at an axle load of 12 t and a total weight of 60 t for on-road travel. In this configuration it's able to carry out the majority of crane jobs; for this reason it provides the advantages of a real taxi crane.



### Features

Maximum lifting capacity / radius	95 t at 3 m radius
Telescopic boom	12.5 m - 58 m
Lattice jib	10.5 m - 26 m
Carrier engine/output	Liebherr, 6-cylinder, turbo-Diesel, 370 kW
Crane engine/output	Liebherr, 4-cylinder, turbo-Diesel, 145 kW
Drive/steering	10 x 8 x 10
Travel speed	80 km/h
Operational weight	60 t
Total counterweight	23 t



## LTM 1070

### Description

The five axle mobile crane LTM 1095-5.1, with its 58 m boom, offers the longest telescopic boom in its class. The 95-tonner is able to carry 15 t ballast at an axle load of 12 t and a total weight of 60 t for on-road travel. In this configuration it is able to carry out the majority of crane jobs; for this reason it provides the advantages of a real taxi crane.



### Features

Maximum lifting capacity / radius	70 t at 2,5 m radius
Telescopic boom	11 m - 50 m
Lattice jib	9,5 m - 16 m
Travel motor/ Crane engine/ output	Liebherr, 6-cylinder, turbo-Diesel, 270 kW
Drive/steering	8 x 6 x 8
Travel speed	80 km/h
Operational weight	48 t
Total counterweight	14.5 t

## LTM 1060

### Description

All terrain mobile crane with maximum lifting capacity of 60 tons.



### Features

Maximum lifting capacity / radius	70 t at 2.5 m radius
Telescopic boom	11 m - 50 m
Lattice jib	9.5 m - 16 m
Travel motor/ crane engine/ output	Liebherr, 6-cylinder, turbo-Diesel, 270 kW
Drive/steering	8 x 6 x 8
Travel speed	80 km/h
Operational weight	48 t
Total counterweight	14.5 t

## LTM 1055

### Description

The three-axle mobile crane LTM 1055-3.2 is the most powerful crane in its class. The 55 tonner is setting standards with its extensive technical range. Fully-automated levelling of the outriggers and ballasting with advanced keyhole technology increases the quick readiness for operation of the crane.



### Features

Maximum lifting capacity / radius	55 t at 2.5 m radius
Telescopic boom	10.2 m - 40 m
Lattice jib	9.5 m - 16 m
Travel motor/ crane engine/ output	Liebherr, 6-cylinder, turbo-Diesel, 270 kW
Drive/steering	6 x 6 x 6
Travel speed	80 km/h
Operational weight	36 t
Total counterweight	12 t



## LTM 1050

### Description

The LTM 1050-3.1 has been designed as an economical taxi crane. The biparted swing-away jib and a large portion of the ballast are included in its 12 t axle load. The innovative crane cab provides an ergonomic working area with an optimised heating and air-conditioning system. The active rear-axle steering and pneumatic disc brakes increase safety and efficiency in travel mode.



### Features

Maximum lifting capacity / radius	50 t at 3 m radius
Telescopic boom	11.3 m - 38 m
Lattice jib	9.0 m - 16 m
Travel motor/crane engine/output	Liebherr, 6-cylinder, turbo-Diesel, 270 kW
Drive/steering	6 x 6 x 6
Travel speed	80 km/h
Operational weight	36 t
Total counterweight	7 t

## LTM 1040

### Description

The two-axle LTM 1040-2.1 with a maximum load capacity of 40 t offers an outstanding load carrying performance over the entire operating area. The long, continuously variable 4-section telescopic boom is extended quickly to any required length by means of the proven hydro-mechanical telescoping system, and the telescoping operation can also be performed under load. Both axles of the compact crane are driven and steerable. This ensures excellent all-terrain capability and manoeuvrability on even the most confined building sites.



### Features

Maximum lifting capacity / radius	40 t at 2.7 m radius
Telescopic boom	10.5 m - 35 m
Lattice jib	9.5 m
Travel motor/crane engine/output	Daimler-Benz, 6-cylinder, turbo-Diesel, 205 kW
Drive/steering	4 x 4 x 4
Travel speed	80 km/h
Operational weight	24 t
Total counterweight	6.5 t

## LTM 1030

### Description

In 1997, the dual-axle mobile crane LTM 1030/2 was the world's first mobile crane to feature data bus transmission technology. This innovative technology enables the 35 tonner optimum functionality and reliability.



### Features

Maximum lifting capacity / radius	35 t at 3 m radius
Telescopic boom	9.2 m - 30 m
Lattice jib	8.6 m - 15 m
Travel motor/crane engine/output	Daimler-Benz, 6-cylinder, turbo-Diesel, 205 kW
Drive/steering	4 x 4 x 4
Travel speed	80 km/h
Operational weight	24 t
Total counterweight	5.5 t



## LTM 1160

### Description

The LTM 1160-5.1 is the successor model to the successful LTM 1150-5.1. Both the telescopic boom length and the load capacities have been significantly increased. Highly agile and with compact dimensions when erected, the LTM 1160-5.1 sets the standard in the 160 t class. One innovation are the compressed air disc brakes, being used by Liebherr on a mobile crane for the first time. They offer an enhanced braking performance and result in optimised directional stability of the vehicle.



### Features

Maximum lifting capacity / radius	160 t at 3 m radius
Telescopic boom	13.2 m - 62 m
Lattice jib	5.4 m - 43 m
Carrier engine/output	Liebherr, 6-cylinder, turbo-Diesel, 370 kW
Crane engine/output	Daimler-Benz, 6-cylinder, turbo-Diesel, 205 kW
Drive/steering	10 x 8 x 10
Travel speed	80 km/h
Operational weight	60 t
Total counterweight	46.5 t

## ATF 30 2L

### Description

All terrain mobile crane with maximum lifting capacity of 35 tons.



### Features

Maximum lifting capacity / radius	35 t
Telescopic boom	8,6m – 28,5m
Travel motor/crane engine/output	Mercedes-Benz 6 cylinder model OM 906 LA 205kW
Drive/steering	4 x 4
Total counterweight	2.6 t

## AC 120

### Description

- With a carrier length of just 11.17m, a very compact 5-axle crane
- 8.2t counterweight to be carried within 12t axle loads
- 60m main boom and a max. 33m boom extension gives a max. system length of 93m
- State-of-the-art engine and transmission configuration ensure high travel comfort
- Speed-dependent rear axle steering for increased manoeuvrability and driving stability
- Innovative Demag IC-1 crane control with touchscreen colour display



### Features

Maximum lifting capacity / radius	120 t at 3 m radius
Main boom	12,5 - 60 m
Carrier engine/output	DaimlerChrysler OM 502 LA (350 kW / 476 PS / hp)
Superstructure engine/output	DaimlerChrysler OM 904 LA (129 kW / 175 PS / hp)
Drive/steering	10 x 6 x 8 (10 x 8 x 8)
Travel speed	85 km/h
Total counterweight	40,5 t (89,300lbs)



# Crawler

## LTR 1100

### Description

The LTR 1100 unites the advantages of a telescopic crane and those of a crawler crane. The crawler chassis has outstanding off-road capabilities and manoeuvrability. What is more, the cranes displaces its load with excellent precision. The advantages of telescopic cranes are short set-up times, easier transportation and the variability of the boom and jib system.



### Features

Maximum lifting capacity / radius	100 t at 2.5m radius
Maximum load moment	342 tm
Main boom	11.5 m - 52 m
Lattice jib	10.8 m - 19 m
Superstructure-/central ballast	32 t / 15 t
Engine output	Liebherr, 4-cylinders, turbo-Diesel, 145 kW
Travel speed	0 - 2.8 km/h

# Rough Terrain

## TR 250M

### Description

Rough terrain mobile crane with maximum lifting capacity of 25 tons.



### Features

Maximum lifting capacity / radius	25t
Maximum Lifting Height	Boom - 28.7m Jib - 40.4m
Maximum working radius	Boom - 26.0m Jib - 32.7m
Carrier engine/output	Nissan Diesel, 4 cycle, 6 cylinder (185PS at 2 300rpm)
Drive/steering	2-wheel drive (4x2) / 4-wheel drive (4x4)
Travel speed	49km/h



## TR 200M

### Description

Rough terrain mobile crane with maximum lifting capacity of 20 tons.



### Features

Maximum lifting capacity / radius	20t
Maximum Lifting Height	Boom - 26.5m Jib - 34m
Maximum working radius	Boom – 24.0m Jib – 27.5m
Carrier engine/output	HINO EL100, 4-cycle, 6 cylinder (165PS at 2 800rpm)
Drive/steering	2-wheel drive (4x2) / 4-wheel drive (4x4)
Travel speed	40km/h

## RTC 8022

### Description

Rough terrain mobile crane with maximum lifting capacity of 20 tons.



### Features

Maximum lifting capacity / radius	20t
Maximum Lifting Height	Boom - 26.5m Jib - 34.0m
Maximum working radius	Boom – 24.0m Jib – 27.5m
Carrier engine/output	HINO EL100, 4-cycle, 6 cylinder (165PS at 2 800rpm)
Drive/steering	2-wheel drive (4x2) / 4-wheel drive (4x4)
Travel speed	40km/h

## TR 100M

### Description

Rough terrain mobile crane with maximum lifting capacity of 10 tons.



### Features

Maximum lifting capacity / radius	10t
Maximum Lifting Height	Boom - 23.9m Single Top – 24.2m
Maximum working radius	Boom – 21.9m Single Top – 21.9m
Carrier engine/output	HINO WO4D-7, 4 cycle, 4 cylinder (Max output 150PS at 3 000rpm)
Drive/steering	2-wheel drive (4x2) / 4-wheel drive (4x4)
Travel speed	49km/h



## TR 80M

### Description

Rough terrain mobile crane with maximum lifting capacity of 8 tons.



### Features

Maximum lifting capacity / radius	8t
Maximum Lifting Height	Boom - 21.5m Single Top - 22,0m
Maximum working radius	Boom – 19.8m Single Top - 20,3m
Carrier engine/output	HINO Wo4C-T 4-cycle, 4 cylintder (140PS at 3 000rpm)
Drive/steering	2-wheel drive (4x2) / 4-wheel drive (4x4)
Travel speed	40km/h

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# Truck Mount

## GT 550 E

### Description

Rough terrain mobile crane with maximum lifting capacity of 55 tons.



### Features

Maximum lifting capacity / radius	55t
Maximum Lifting Height	Boom - 28.7m Jib - 40.4m
Maximum working radius	Boom – 26.0m Jib - 32.7m
Carrier engine/output	Nissan Diesel, 4 cycle, 6 cylinder (185PS at 2 300rpm)
Drive/steering	2-wheel drive (4x2) / 4-wheel drive (4x4)
Travel speed	49km/h



## TL 250 M

### Description

Truck mounted crane with maximum lifting capacity of 25 tons. Ideal for work which requires travel.



### Features

Maximum lifting capacity / radius	25t
Maximum Lifting Height	Boom - 32.9m Jib - 47.1m
Maximum working radius	Boom – 30.0m Jib - 36.9m
Carrier engine/output	Nissan Diesel Motor, KC-KG520SN, 4 cycle, V8 cylinder (Max output 310PS at 2200rpm) Recirculating ball screw type with linkage power assistance
Travel speed	70km/h

## TL 200 M

### Description

Truck mounted crane with maximum lifting capacity of 20 tons. Ideal for work which requires travel.



### Features

Maximum lifting capacity / radius	20t
Maximum Lifting Height	Boom - 30.9m Jib - 38.7m
Maximum working radius	Boom – 29.4m Jib - 32.7m
Carrier engine/output	Mitsubishi Motor, KC-KW460MN, 4 cycle, V6 cylinder (Max Output 235PS at 2100 rpm) Recirculating ball screw type with linkage power assistance
Drive/steering	2-wheel drive (4x2) / 4-wheel drive (4x4)
Travel speed	70km/h

## TS 75 ML

### Description

Truck mounted crane with maximum lifting capacity of 7 tons. Ideal for work which requires travel.



### Features

Maximum lifting capacity / radius	7t
Maximum Lifting Height	Boom - 21.3m Single Top – 21.8m
Maximum working radius	Boom – 20.5m Single Top – 20.5m
Outriggers	Full Extensions – 4.4m Middle Extended Width – 3.0m
Max Outrigger load	9.0t



# Asset Register

## LIST OF MOBILE CRANES

	MAKE	MODEL	QUANTITY	SIZE	APPLICATION
1	Tadano	TS75M	3	7 Ton	Truck Mounted
2	Tadano	TR80M	3	8 Ton	Rough Terrain
3	Tadano	TR100M	1	10 Ton	Rough Terrain
4	Tadano	TR160M	2	16 Ton	Rough Terrain
5	Linkbelt	RTC2022	1	20 Ton	Rough Terrain
6	Tadano	TR200M	3	25 Ton	Rough Terrain
7	Tadano	TL200M/250E	5	25 Ton	Truck Mounted
8	Tadano	TR250M	10	30 Ton	Rough Terrain
9	Tadano	TL250M/300E	4	30 Ton	Truck Mounted
10	Tadano	ATF30	2	35 Ton	All Terrain
11	Liebherr	LTM1030	8	38 Ton	All Terrain
12	Liebherr	LTM1040	5	45 Ton	All Terrain
13	Tadano	GT550 E	4	55 Ton	Truck Mounted
14	Liebherr	LTM1050/1055	4	55 Ton	All Terrain
15	Liebherr	LTM1060	2	66 Ton	All Terrain
16	Liebherr	LTM1070	3	77 Ton	All Terrain
17	Liebherr	LTM1080	1	80 Ton	All Terrain
18	Liebherr	LTM1095	3	100 Ton	All Terrain
19	Liebherr	LTR1100	2	100 Ton	Hydraulic Crawler
20	Demag	AC120	1	120 Ton	All Terrain
21	Liebherr	LTM1130	1	130 Ton	All Terrain
22	Liebherr	LTM1160	1	180 Ton	All Terrain
23	Tadano	ATF160	1	180 Ton	All Terrain
24	Liebherr	LTM1220	2	245 Ton	All Terrain
25	Liebherr	LTM1250	1	275 Ton	All Terrain
26	Liebherr	LTM1400	1	440 Ton	All Terrain
27	Liebherr	LG1550	1	600 Ton	Lattice All Terrain

All cranes in our fleet are supplied by manufacturers with full equipment



## LIST OF CRANE TRUCKS

	MAKE	MODEL	DECK SPACE	CRANE	CAPACITY
1	M/Benz	1417	6m	Hiab 166	5 Ton
2	M/Benz	1735	6m	Pesci SE180	6 Ton
3	MAN	26280	6.3m	Fassi F210	7 Ton
4	M/Benz	2225	6.5m	Fassi F240	8 Ton
5	MAN	26402	6.5m	Fassi F250	8.5 Ton
6	MAN	30464	6.5m	Hiab 288	9 Ton
7	MAN	30646	7m	Hiab 322	10 Ton
8	M/Benz	2628	6.5m	Palfinger32080	10 Ton
9	MAN Truck Tractor	27464		Palfinger32080	10 Ton
10	M/Benz	2633	6.5m	Pesci SPE350	17.5 Ton
11	MAN	26362	6.5m	Pesci SPE 350	17.5 Ton
12	Volvo	FM 12	6.5m	Pesci SPE 350	17.5 Ton

## DRAWBAR TRAILERS FOR CRANE TRUCKS

1	Henred	4 axle	6m	10 Ton
2	Busaf	4 axle	6m	10 Ton
3	Vlottenberg	4 axle	6m	10 Ton
4	Henred	3 axle	9m	18 Ton
5	Henred	3 axle	8.5m	18 Ton
6	Vlottenberg	3 axle	8.5m	18 Ton
7	Henred	4 axle	10m	24 Ton

## HORSE AND TRAILERS

1	1 x DAF 480	Henred 12 m 3 axle trailer	26 Ton
2	1 x MAN 33464	Henred 14,5 m 3 axle trailer	28 Ton
3	1 x DAF 480	Henred 14,5 m 3 axle trailer	28 Ton
4	8 x Volvo FH440	Henred 14 m trailer	28 Ton
5	2 x Volvo FH440	Henred 15,2 m triler	28 Ton

