TADANO

TADANO FAUN GMBH

PRODUCT LINE

ALL-TERRAIN CRANES · TRUCK-MOUNTED CRANES · ROUGH-TERRAIN CRANES

www.tadanofaun.de/en

Courtesy of Crane.Market

The product range of TADANO FAUN GmbH contains All-Terrain Cranes, Truck-Mounted Cranes and Rough-Terrain Cranes. On the following pages of this brochure you find more details about the technical data of our mobile cranes.

If you have any questions, our sales team is happy to assist you in a one-to-one talk. For the contact person responsible for you, please refer to our website www.tadanofaun.de/en under “Sales & Service”.

Courtesy of Crane.Market

ATF 40G-2

ATF 220G-5

ATF 50G-3

ATF 130G-5

TADANO FAUN GMBH

ATF
ALL-TERRAIN CRANES

Courtesy of Crane.Market

ALL TADANO ALL-TERRAIN CRANES ARE DEVELOPED AND MANUFACTURED IN OUR WORKS AT LAUF / PEGNITZ AND THUS BEAR THE HALLMARK "MADE IN GERMANY".

PRODUCT LINE OVERVIEW ALL-TERRAIN CRANES

All-Terrain cranes feature a sophisticated drive concept thanks to which the crane features both economically acceptable on-road driving features when approaching its site of operation and good rough-terrain properties on the construction site. The above also implies compliance with the legal road traffic registration regulations of the country in question. We implement these requirements in a balanced fashion and are capable of offering you appropriate concepts in all axle classes.

Our line of ATFs ranges from the ATF 40G-2 which reaches a max. lifting capacity of 40 tons on two axles, up to our ATF 400G-6 which we launched in 2012 and which is capable of lifting up to 400 tons on six axles.

Soon, we will be able to offer you our new flagship ATF 600G-8 which is characterized by a revolutionary boom system: the Triple-Boom System. For more information, please go to **www.ATF600G-8.com/en**.

Courtesy of Crane Market

Courtesy of Crane.Market

EUROMOT 4

PREVIEW: ATF 600G-8

Max. lifting capacity:	600 t	Max. sheave height:	147 m
Boom:	15.3 m - 56 m	Max. radius:	104 m
Boom extension:	11.45 m - 94.1 m	Number of engines:	2

EUROMOT 4

ATF 400G-6

Max. lifting capacity:	400 t	Max. sheave height:	125 m
Boom:	15 m - 60 m	Max. radius:	86 m
Boom extension:	5.5 m - 78.5 m	Number of engines:	2

ATF 400G-6 (TAXI VERSION)

Max. lifting capacity:	400 t	Max. sheave height:	113 m
Boom:	15 m - 60 m	Max. radius:	82 m
Boom extension:	5.5 m - 49.5 m	Number of engines:	2

EUROMOT 4

ATF 220G-5

Max. lifting capacity:	220 t	Max. sheave height:	107.5 m
Boom:	13.2 m - 68 m	Max. radius:	84 m
Boom extension:	5.8 m - 36 m	Number of engines:	2

EUROMOT 4

ATF 200G-5

Max. lifting capacity:	200 t	Max. sheave height:	99.5 m
Boom:	13.2 m - 60 m	Max. radius:	80 m
Boom extension:	5.8 m - 36 m	Number of engines:	2

EUROMOT 4

ATF 130G-5

Max. lifting capacity:	130 t	Max. sheave height:	95 m
Boom:	12.8 m - 60 m	Max. radius:	72 m
Boom extension:	3.8 m - 32 m	Number of engines:	2

Courtesy of Crane.Market

ATF 110G-5

Max. lifting capacity:	110 t	Max. sheave height:	87.5 m
Boom:	13 m - 52 m	Max. radius:	64 m
Boom extension:	3.8 m - 32 m	Number of engines:	2

ATF 100G-4

Max. lifting capacity:	100 t	Max. sheave height:	72.5 m
Boom:	11.1 m - 51.2 m	Max. radius:	56 m
Boom extension:	1.6 m/10 m/18m	Number of engines:	2

ATF 70G-4 (52.1 m)

Max. lifting capacity:	70 t	Max. sheave height:	71 m
Boom:	11.1 m - 52.1 m	Max. radius:	46 m
Boom extension:	1.6 m/9 m/16 m	Number of engines:	2

ATF 70G-4 (44 m)

Max. lifting capacity:	70 t	Max. sheave height:	63 m
Boom:	11 m - 44 m	Max. radius:	50 m
Boom extension:	1.6 m/9 m/16 m	Number of engines:	2

PREVIEW: ATF 60G-3

Max. lifting capacity:	60 t	Max. sheave height:	58.5 m
Boom:	9.5 m - 48 m	Max. radius:	44 m
Boom extension:	1.6 m / 7.4 m	Number of engines:	1

Courtesy of Crane.Market

ATF 400G-6

Max. lifting capacity:	400 t	Max. sheave height:	125 m
Boom:	15 m - 60 m	Max. radius:	86 m
Boom extension:	5.5 m - 78.5 m	Number of engines:	2

ATF 400G-6 (TAXI VERSION)

Max. lifting capacity:	400 t	Max. sheave height:	113 m
Boom:	15 m - 60 m	Max. radius:	82 m
Boom extension:	5.5 m - 49.5 m	Number of engines:	2

ATF 220G-5

Max. lifting capacity:	220 t	Max. sheave height:	109 m
Boom:	13.2 m - 68 m	Max. radius:	84 m
Boom extension:	5.4 m - 37.2 m	Number of engines:	2

ATF 180G-5

Max. lifting capacity:	180 t	Max. sheave height:	101 m
Boom:	13.2 m - 60 m	Max. radius:	76 m
Boom extension:	5.4 m - 37.2 m	Number of engines:	2

ATF 130G-5

Max. lifting capacity:	130 t	Max. sheave height:	95 m
Boom:	12.8 m - 60 m	Max. radius:	72 m
Boom extension:	3.8 m - 32 m	Number of engines:	2

ATF 110G-5

Max. lifting capacity:	110 t	Max. sheave height:	85.5 m
Boom:	13 m - 52 m	Max. radius:	64 m
Boom extension:	3.5 m / 9.5 m - 30.1 m	Number of engines:	2

Courtesy of Crane.Market

EUROMOT 3

ATF 100G-4

EUROMOT 3B

Max. lifting capacity:	100 t	Max. sheave height:	72.5 m
Boom:	11.1 m - 51.2 m	Max. radius:	56 m
Boom extension:	1.6 m / 10 m / 18 m	Number of engines:	2

ATF 70G-4 (52.1 m)

EUROMOT 3B

Max. lifting capacity:	70 t	Max. sheave height:	71 m
Boom:	11.1 m - 52.1 m	Max. radius:	46 m
Boom extension:	1.6 m / 9 m / 16 m	Number of engines:	2

ATF 50G-3

EUROMOT 3B

Max. lifting capacity:	50 t	Max. sheave height:	59.5 m
Boom:	10 m - 40 m	Max. radius:	46 m
Boom extension:	1.6 m / 9 m / 16 m	Number of engines:	1

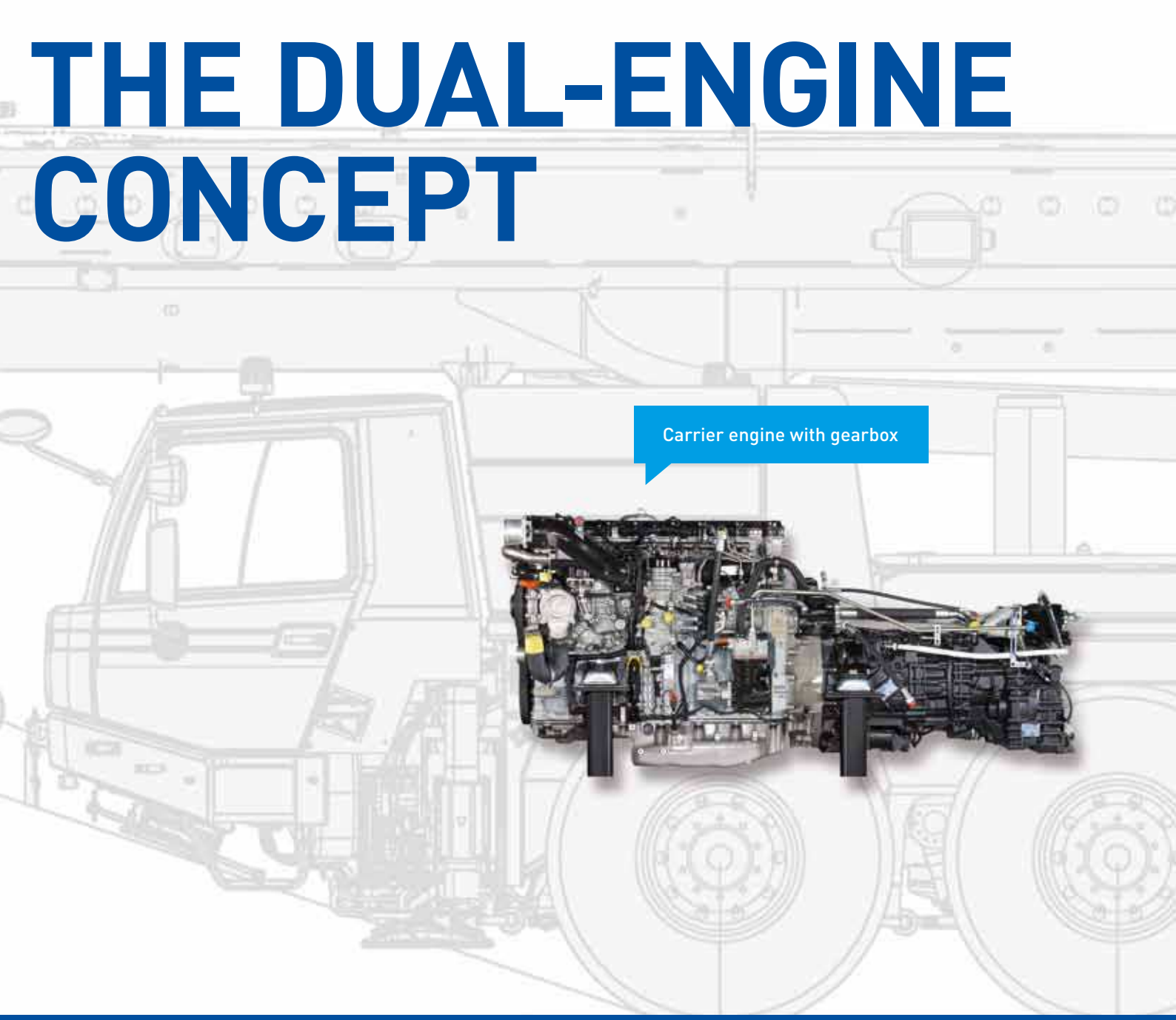
ATF 40G-2

EUROMOT 3A

Max. lifting capacity:	40 t	Max. sheave height:	47 m
Boom:	10.45 m - 35.2 m	Max. radius:	38 m
Boom extension:	9 m	Number of engines:	1

Courtesy of Crane.Market

THE DUAL-ENGINE CONCEPT



LOW FUEL CONSUMPTION AND HIGH COST EFFECTIVENESS

As of the model ATF 70G-4, we at TADANO rely on two separate engines within the crane - a large engine in the carrier and another, considerably smaller engine in the superstructure.

The advantage is obvious: marked fuel savings during crane operation. As crane operation does not require the same engine performance by far as crane movement on the road, the carrier engine is absolutely oversized for crane operation. The consequence: every operating hour requires unnecessarily high fuel consumption, which burdens both your budget and our environment unnecessarily.

Courtesy of Crane.Market

Superstructure engine with hydraulic pump

FURTHER ADVANTAGES OF THE TADANO 2-ENGINE CONCEPT AT A GLANCE:

- As the carrier engine is not required to perform time-consuming crane operation, as with the 1-engine concept, it is subject to much less wear over time. Thus, maintenance can be performed at longer intervals and less frequently in total if maintenance of the carrier and the super-structure engine are performed together. Moreover, the useful life of the engines is increased, enhancing the resale value.
- The failure-prone rotary joints, which route electrical power and hydraulic oil to operate the superstructure, are a thing of the past.
- The superstructure engine being always located behind the crane operator cab ensures that the crane operator's exposure to exhaust gas and noise is minimized over the entire swing radius, so that the crane driver can focus better on work.
- The second engine is always available in case emergency operation should be required. Purchase and handling of separate units is irrelevant.
- This also applies in case the battery should ever fail. A second engine is always available to assist starting quickly and easily without the crane driver having to request additional help.

Courtesy of Crane.Market

SAFETY DURING LIFTING OPERATIONS

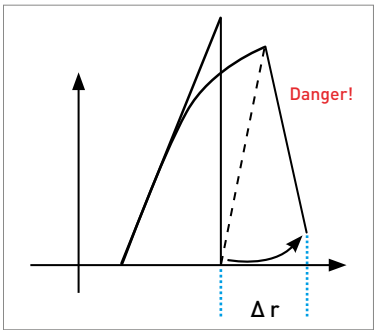
UNIQUE WORLD-WIDE.
ONLY "MADE BY TADANO".

LIFT ADJUSTER – BETTER SAFE THAN SORRY.

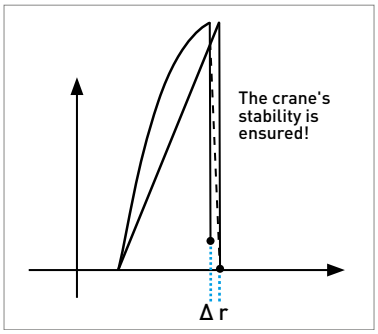
At TADANO, safety is a prime consideration. With the world-wide unique Lift Adjuster, we have developed a system which enhances safety on construction sites even more.

FOR CRANE OPERATORS, EVERYDAY BUSINESS IS NOT A PROBLEM

When heavy loads are picked up, the deformation of the main boom under load results in an increased working radius which might cause the load to oscillate. Within a limited load environment, the crane operator is forced to correct the increased working radius manually by adjusting the main boom to a steeper position in order to prevent endangering the load, load environment and persons involved. In this process, the crane operator focuses alternately on the load, the load environment and the crane instruments which inform him continuously about the current extent of the working radius. This is routine business for every crane operator and is normally no problem, as the crane operator is well acquainted with his crane and the everyday load cases and can build on a wealth of experience.

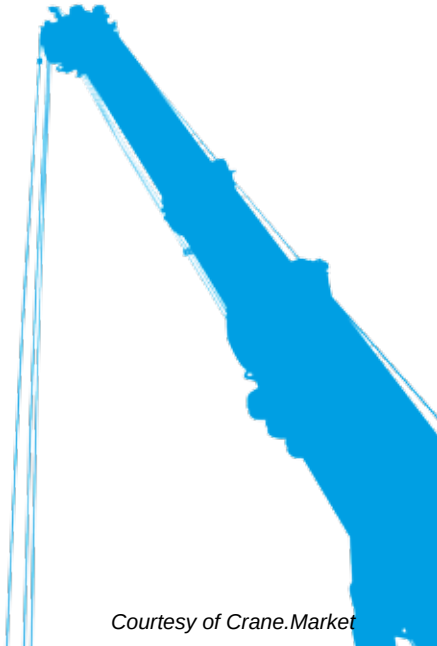


WITHOUT Lift Adjuster



WITH Lift Adjuster

YOU WOULD LIKE TO KNOW MORE?
SCAN HERE TO SEE THE LIFT ADJUSTER VIDEO!


Courtesy of Crane.Market

"DESPITE MY 25 YEARS OF EXPERIENCE AS A CRANE OPERATOR, I TEND TO USE THE LIFT ADJUSTER IF I HAVE NOT OPERATED A CERTAIN CRANE FOR AN EXTENDED PERIOD OF TIME. FOR ME, SAFETY IS THE PRIME CONCERN!"

Johannes Gruner · Crane operator at TADANO FAUN GmbH

A CRANE AND/OR LOAD CASE WITH WHICH THE OPERATOR IS NOT FAMILIAR INCREASES THE RISK OF ACCIDENTS

It is a different situation if e. g. an inexperienced crane operator is not familiar with the crane. As the crane operator does not know the deformation of the main boom under load and cannot appreciate the extent the working radius increases and of possible load oscillation, he focuses mainly on the crane instruments to keep the load radius constant. The actual behavior of the load and the proceedings in the vicinity of the load are of only minor importance. This increases the risk of accidents.

This applies analogously to load cases with which the crane operator is not familiar, e. g. if the weight of the load cannot be specified reliably. In this case, the crane operator concentrates much more intensely than normally on the working radius display, as he finds it more difficult to determine the time when the load leaves the ground and might start to oscillate, and in addition he is not clear about the extent of radius increase and about possible oscillation. This again results in the load and the load environment being neglected, thus increasing the risk of accidents.

THE TADANO LIFT ADJUSTER HELPS THE CRANE OPERATOR TO FOCUS FULLY ON THE LOAD AND THE LOAD ENVIRONMENT, THUS INCREASING SAFETY ON CONSTRUCTION SITES CONSIDERABLY

The answer to such problems is our safety device "Lift Adjuster". If the crane operator is not familiar with the crane or the load in question, he can activate the Lift Adjuster as required by pressing a button. Now the crane control corrects the working radius fully automatically. Best of all: during the entire load pick-up process, the crane operator can fully concentrate on the load, the load environment and the persons involved. Thus, any brief moment of inattentiveness is avoided and the safety aspect of crane work enhanced considerably. Any doubts? Even our own crane operators with many years of experience on our TADANO cranes like to revert to the Lift Adjuster if they feel unsure, as they know: this already pays off if just a single accident can be prevented.

By the way ... the Lift Adjuster follows the same principle - just vice versa - for putting down the load. We call this feature the "Release Adjuster".

YOU WOULD LIKE TO KNOW MORE?
SCAN HERE TO SEE THE
HTLJ VIDEO!

Courtesy of Crane Market

LIFTING YOUR DREAMS

BOOM EXTENSION HTLJ – ADDITIONAL FULLY HYDRAULIC MAIN BOOM

Our models ATF 400G-6 to ATF 180G-5 can be equipped optionally with an up to 33 m long fully hydraulically telescopable and tiltable jib (HTLJ).

This permits uncomplicated lifting of loads beyond building edges and into upwardly restricted building structures, which would not be possible with rigid jibs. This means that the HTLJ made by TADANO works on principle like an additional fully hydraulic main boom.

Another advantage consists in the HTLJ's permitting assembly within approx. 30 minutes without auxiliary crane - even in a very confined space, provided it is not extended.

UNIQUE WORLD-WIDE.
ONLY "MADE BY TADANO".

HK 65

HK 40

TADANO FAUN GMBH

HK
TRUCK-MOUNTED CRANES

PRODUCT LINE OVERVIEW TRUCK-MOUNTED CRANES

The superstructure of Truck-Mounted cranes is mounted on a commercially available truck chassis. Thus, Truck-Mounted cranes are exclusively for on-road use, however, in an economically considerably more efficient way than All-Terrain cranes with their specialized carriers. It goes without saying that the operating costs per kilometer are considerably lower. On the other hand, the overall driving performance is naturally higher, considering that a truck chassis as such is designed for long-distance travel.

As required, our HK series Truck-Mounted cranes can be fitted for very easy driving conditions, meaning that they may be driven without special permit, depending on the legislation of the country in question. This goes along with reduced administrative outlay, which further increases the efficiency of your company and leaves you more time for other work.

TADANO Truck-Mounted cranes are manufactured in Japan, the USA and our factory in Lauf / Pegnitz. Offering the HK 40 and HK 70, we provide Truck-Mounted cranes with a maximum lifting capacity of 40 to 70 tons which we mount on all commercially available truck chassis types (e. g. Mercedes-Benz, MAN, Scania, Volvo, etc.), depending on the customer's requirements.

Courtesy of Crane.Market

HK 70

Max. lifting capacity:	70 t
Boom:	10.35 m - 41 m
Boom extension:	8.8 m / 15.8 m
Max. sheave height:	60 m
Max. radius:	46 m

HK 40

Max. lifting capacity:	40 t
Boom:	10.45 m - 35.2 m
Boom extension:	9 m
Max. sheave height:	47.5 m
Max. radius:	40 m

Courtesy of Crane.Market

GR-800EX

GR-500EX

TADANO FAUN GMBH

GR
ROUGH-TERRAIN CRANES

Courtesy of Crane.Market

PRODUCT LINE OVERVIEW ROUGH-TERRAIN CRANES

The advantage of Rough-Terrain cranes over All-Terrain cranes and Truck-Mounted cranes consists in their usability in extremely difficult terrain. This means: almost anything is possible! Rough-Terrain cranes made by TADANO have two additional distinctive features:
1) high reliability, even under extreme climate conditions, and
2) high lifting capacities - either stabilized by outriggers or free on wheels.

TADANO Rough-Terrain cranes are manufactured in Japan. As the German subsidiary, we provide the sales and service organization for the models GR-300EX, GR-500EX, GR-600EX and GR-800EX with a maximum lifting capacity of 30 to 80 tons.

Courtesy of Crane.Market

GR-800EX

Max. lifting capacity:	80 t
Boom:	12 m - 47 m
Boom extension:	10.1 m / 17.7 m
Max. sheave height:	67 m
Max. radius:	53.9 m

GR-600EX

Max. lifting capacity:	60 t
Boom:	11 m - 43 m
Boom extension:	10.1 m / 17.7 m
Max. sheave height:	63 m
Max. radius:	50.3 m

GR-500EX

Max. lifting capacity:	50 t
Boom:	10.7 m - 34.7 m
Boom extension:	8.8 m / 15.2 m
Max. sheave height:	53 m
Max. radius:	42.2 m

GR-300EX

Max. lifting capacity:	30 t
Boom:	9.7 m - 31 m
Boom extension:	7.2 m / 12.8 m
Max. sheave height:	46.5 m
Max. radius:	37.2 m

Courtesy of Crane.Market

IMPRINT

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