SOUTHERN CRANES

SPIERINGS SK597-AT4 ELIFT



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Your flexibility
to the max



Upper engine

With the newest emission regulations Spierings still chooses for two engines. The Stage 5 four Cylinder diesel engine (constant rpm) is mounted in the super structure. The engine and the hydraulic pumps are mounted in a high quality sound reducing cover.

Truck cabin

The Spierings Crane is equipped with the latest design of interior. The new cab design is ergonomic and gives the driver optimum comfort. The driver's seat is equipped with air suspension. Air-conditioning, navigation, radio, Bluetooth car kit and heated and adjustable mirrors are standard.

One job, one man

One operator can easily erect and operate the crane. No additional ballast or jib sections are required. A Spierings crane can at all times be operated by one operator. The operator has a perfect view out of the crane cab and with the optional mounted trolley camera even in the most difficult situations.

Truck

Specially designed truck chassis for optimum torsion rigidity. As a result of the special construction, the maximum lifting capacity can be reached with minimum ballast, thus making extra ballast unnecessary.



Hydraulic motions

All crane motions are hydraulic proportional controlled.
This makes the crane easy to operate and gives maximum precision and efficiency.

Steel pads

The crane is optional equipped with 4 steel pads (2x0,9 meter), mounted at the rear of the carrier. An auxiliary crane arm is fit for placing the steel pads.

Setup in minutes

The fully automatic program to erect the Spierings Crane takes approx 8 minutes after the crane is set on its outrigger.

Four LED floodlights are mounted in the jib and tower.





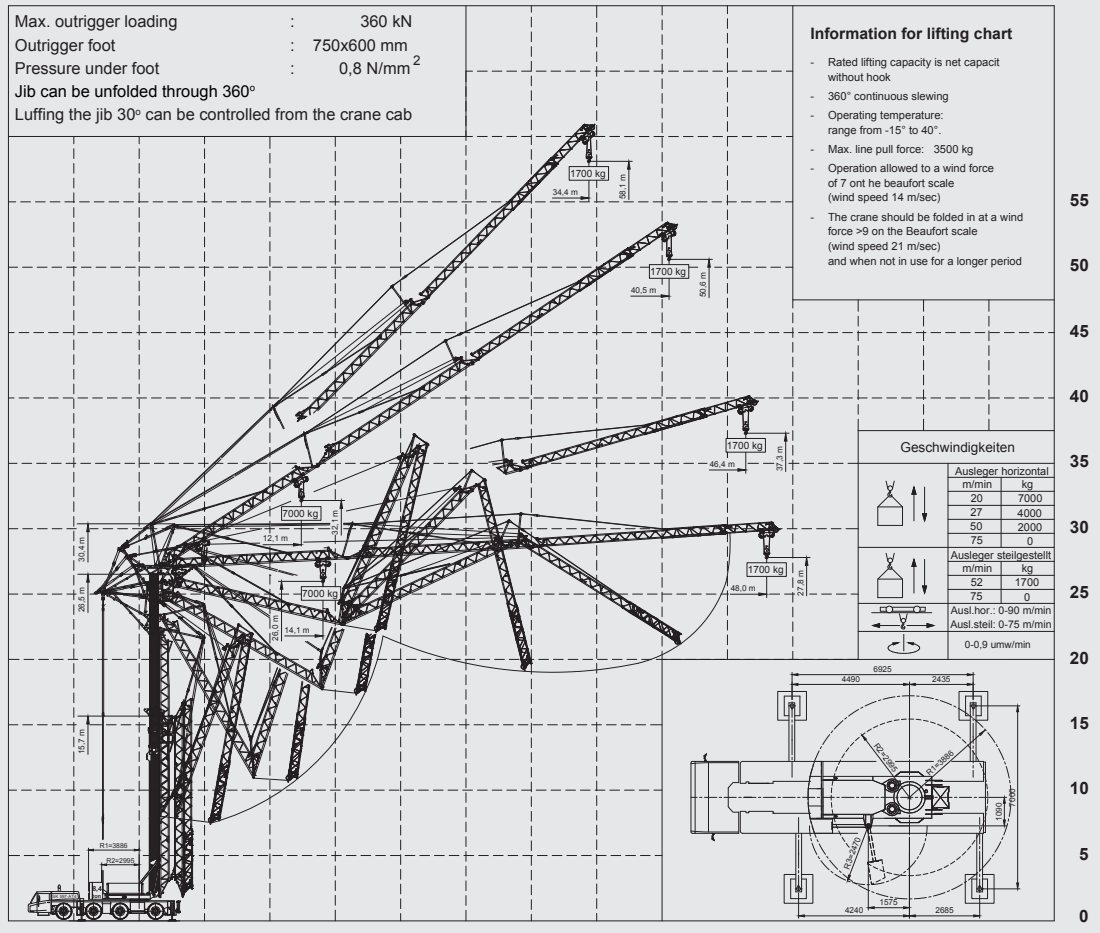
Auxiliary crane for placing the steel pads

Crane Cabin equipped with trolley camera display and touch screen.





The new truck cab interior design is fully equipped and gives the driver optimum comfort.



Änderungen vorbehalten

Lifting chart Outrigger spread 6,925 m x 7,0 m

Jib horizontal — Height under jib 26,9 / 29,7 m

Radius (m)	3,5	14,05	15	20	25	30	35	40	45	48
Load (kg)	7000	7000	6485	4655	3605	2930	2455	2100	1830	1700

Jib 30° luffed

Hookheight (m)	32,1	34,0	37,2	40,5	43,7	47,0	50,2	50,6		
Radius (m)	3,5	12,05	15	20	25	30	35	40	40,5	
Load (kg)	7000	7000	5590	4005	3095	2505	2095	1790	1700	

Jib 15° luffed

Hookheight (m)	27,5	28,9	30,2	31,5	32,9	34,2	35,6	36,9	37,3		
Radius (m)	3,5	5	10	15	20	25	30	35	40	45	46,4
Load (kg)	1700	1700	1700	1700	1700	1700	1700	1700	1700	1700	1700

Jib 45° luffed

Hookheight (m)	33,7	38,7	43,7	48,7	53,7	58,1		
Radius (m)	3,5	5	10	15	20	25	30	34,4
Load (kg)	1700	1700	1700	1700	1700	1700	1700	1700

It's also possible to work with 44 meter jib with a maximum tip load of 1,900 kg (request for lifting charts).

Lifting chart Outrigger spread 6,925 m x 5,85 m

Jib horizontal — Height under jib 26,9 / 29,7 m

Radius (m)	3,5	10,85	15	20	25	30	35	40	45	48
Load (kg)	7000	7000	4755	3395	2615	2115	1760	1500	1300	1200

Jib 30° luffed

Hookheight (m)	30,3	30,7	34,0	37,2	40,5	43,7	47,0	50,2	50,6	
Radius (m)	3,5	9,37	10	15	20	25	30	35	40	40,5
Load (kg)	7000	7000	6455	3955	2810	2160	1735	1440	1220	1200

Jib 15° luffed

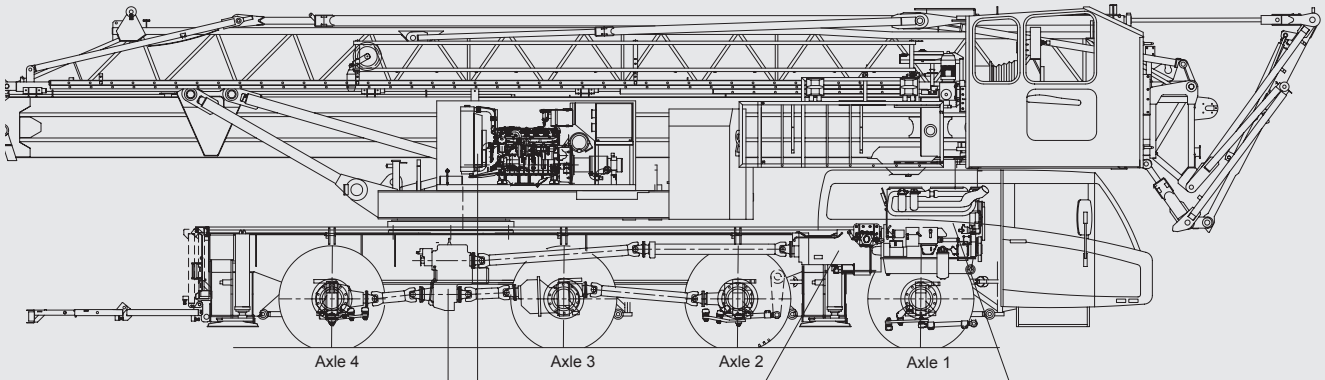
Hookheight (m)	27,5	28,9	30,2	31,5	32,9	34,2	35,6	36,9	37,3		
Radius (m)	3,5	5	10	15	20	25	30	35	40	45	46,4
Load (kg)	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200

Jib 45° luffed

Hookheight (m)	33,7	38,7	43,7	48,7	53,7	58,1		
Radius (m)	3,5	5	10	15	20	25	30	34,4
Load (kg)	1200	1200	1200	1200	1200	1200	1200	1200

It's also possible to work with 44 meter jib with a maximum tip load of 1,340 kg (request for lifting charts).

Changes subject to modifications



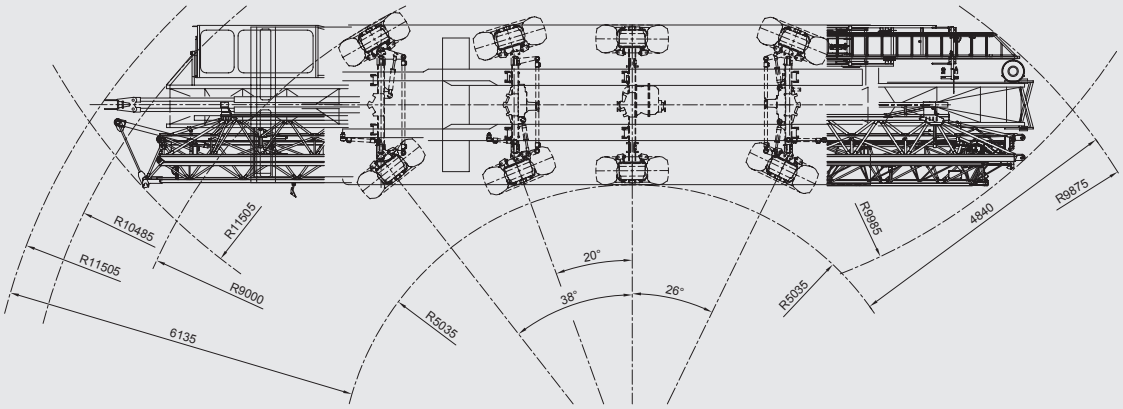
Transfer box:
ZF VG2001/396
Road gear i=0,89
Off road gear i=1,54

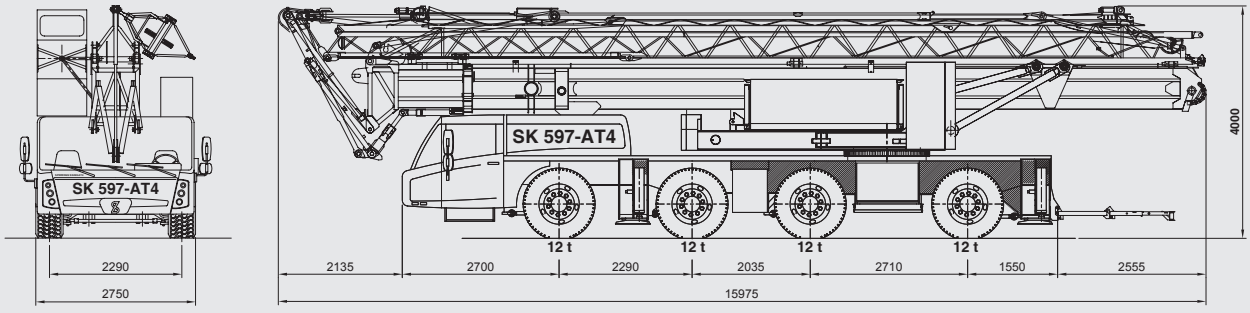
Crane diesel engine
Stage V

Gearbox
ZF Traxon 12
Automatic
Dry plate clutch
+ intarder

Carrier diesel engine:
Euro VI
DAF: MX11-330 (10,8 ltr)
Power: 330 kW (1600 rpm)
Torque: 2300 Nm (900-1150 rpm)

Axle 1 :	Steer axle	Tyres	: 445/75 R22,5
Axle 2 :	Steer drive axle (end reduction i=6,35)	Suspension	: Hydro-pneumatic on all axles
Axle 3 :	Non steered drive axle (end reduction i=6,35)	Stroke suspension cylinder	: 247 mm
Axle 4 :	Steer drive axle (end reduction i=6,35)	Max. speed carrier	: 83 km/h
Kessler-axles with disc brakes		Overall weight	: 48.000 kg





48.000 kg overall weight

SPIERINGS
MOBILE CRANES

Lift to the max.

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3 Introduction

3.1 Introduction to SK597-AT4 eLift and SK1265-AT6 eLift

The eLift versions of the SK597-AT4 and SK1265-AT6 enable the user to work completely emission-free. The new eLift system essentially has two modes of operation: electric and hybrid. Both modes always use energy as efficiently as possible.

- *see also Image 3-1*

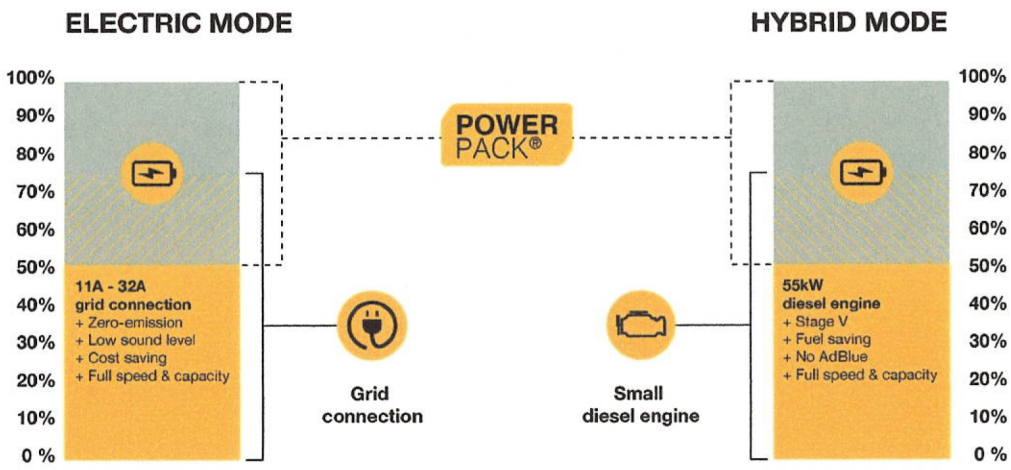


Image 3-1

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To use the crane in electric mode, it must be connected to a mains connection, which is available at most construction sites.

The system consumes between 11 A and 32 A; this can be set on a display so that there is enough capacity left for other purposes. The energy from the mains connection that is not consumed is used to charge the battery pack of the Hybrid PowerPack so that this energy can be used to accommodate peaks in power demand.

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A small 55 kW 3-cylinder diesel engine with the latest Stage V emission certification is the primary energy source during hybrid mode.

The energy from the diesel engine that is not required is used to charge the battery pack of the Hybrid PowerPack, just as when operating from mains power, so that this energy can be used to accommodate peaks in power demand.

Moreover, the diesel engine does not require an AdBlue system to meet the latest emission requirements. This is beneficial in terms of ease of use.