

Crane specification

Serial number:

Year of construction:

Crane group

:

3 as per NEN 2018

Loadspectrum

:

2 as per NEN 2018

Classification

:

A as per NEN 2018

Stability

:

as per NEN 2022

Max. load

7,5 tonne

Max. radius with max. load

10,4 m

Max. capacity

78 tm

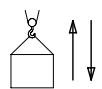
Max. jib lenght

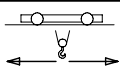
33 m

Speeds

LIFTING CHART Outrigger support base 6,90 m x 6,40 m

Jib horizontal/ jib 30° luffed

|                                                                                  | m/min | kg   |
|----------------------------------------------------------------------------------|-------|------|
|  | 18    | 7500 |
|                                                                                  | 27    | 3750 |
|                                                                                  | 36    | 1875 |
|                                                                                  | 60    | 0    |



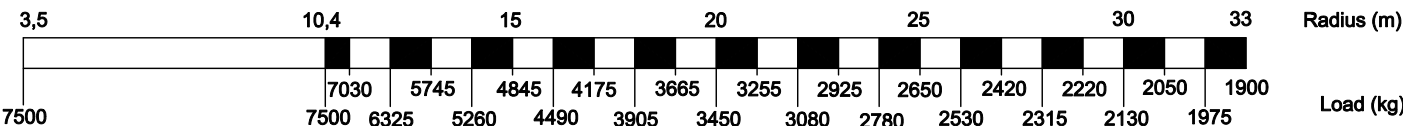
0 - 70 m/min



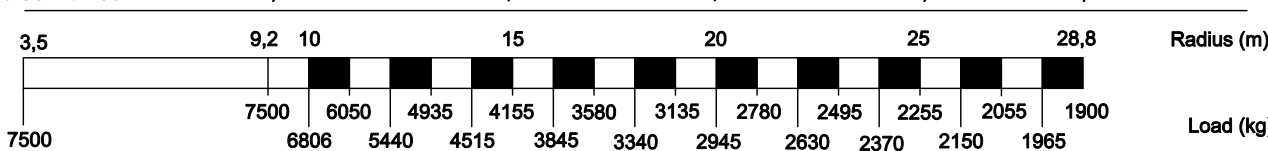
0 -1 rpm

Jib horizontal

Hookheight 20 m (height under jib 21,9 m)



Jib 30° luffed



All motions with hydraulic proportinal controls

Luffing the jib 30° can be controlled from crane cab or via remote control

Crane can be driven in its erected position under special conditions (refer user guide).

Rated lifting capacity is net capacity

Crane equipped with full counterweight: 5700kg

Continues slewing (360°) with outriggers out and support pads down.

2 Outriggers support bases: according to lifting chart

Operation allowed up to wind force 8 Bf (17 m/sec).

Sail area of the load max. 1,2 m² / tonne at a windforce of 7 on the Beaufortscale.

Operating temperature range from -15° to 40° C.

Max. line pull force 3750 kg; in all cases 2 parts of line

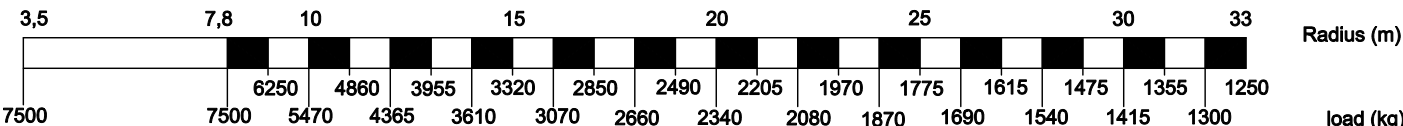
The crane should be folded in at a windforce of 9 Bf (21m/sec) or when not in use for a longer period

Changes subject to modifications

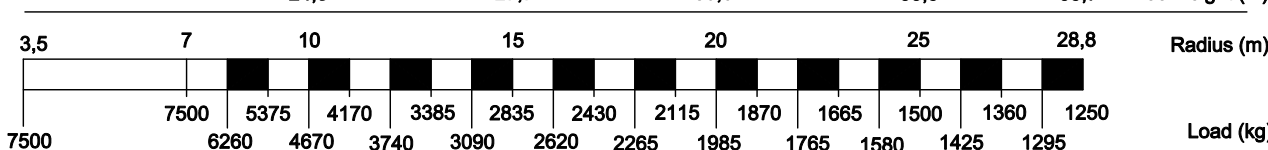
LIFTING CHART Outrigger support base 6,90 m x 4,80 m

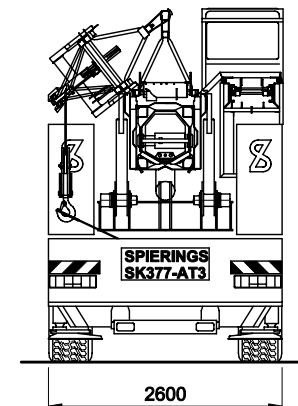
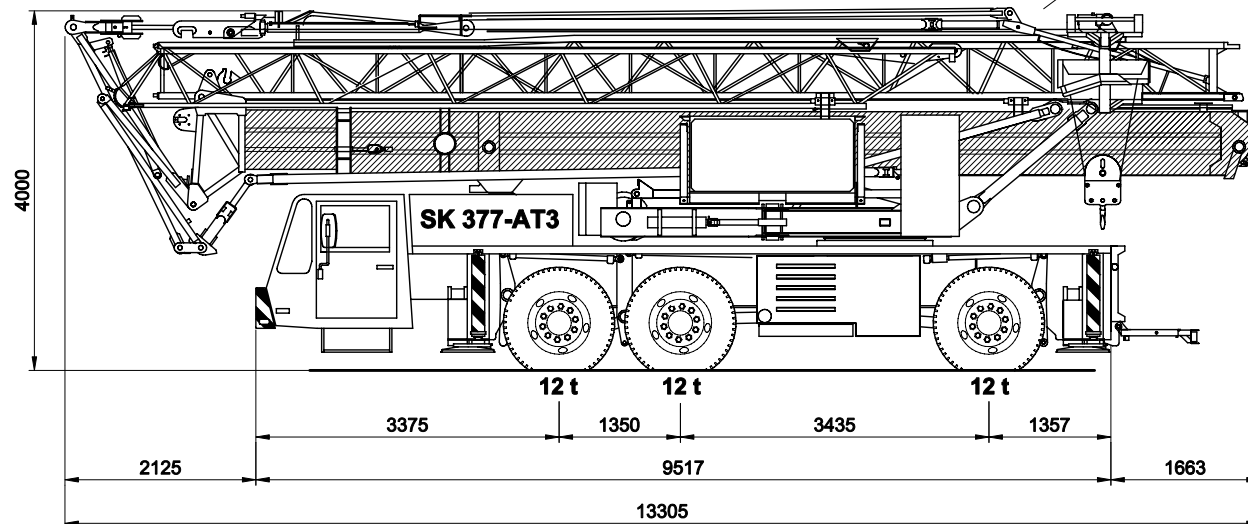
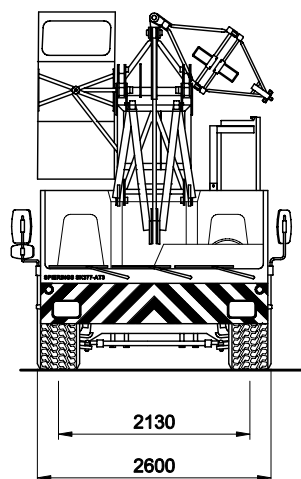
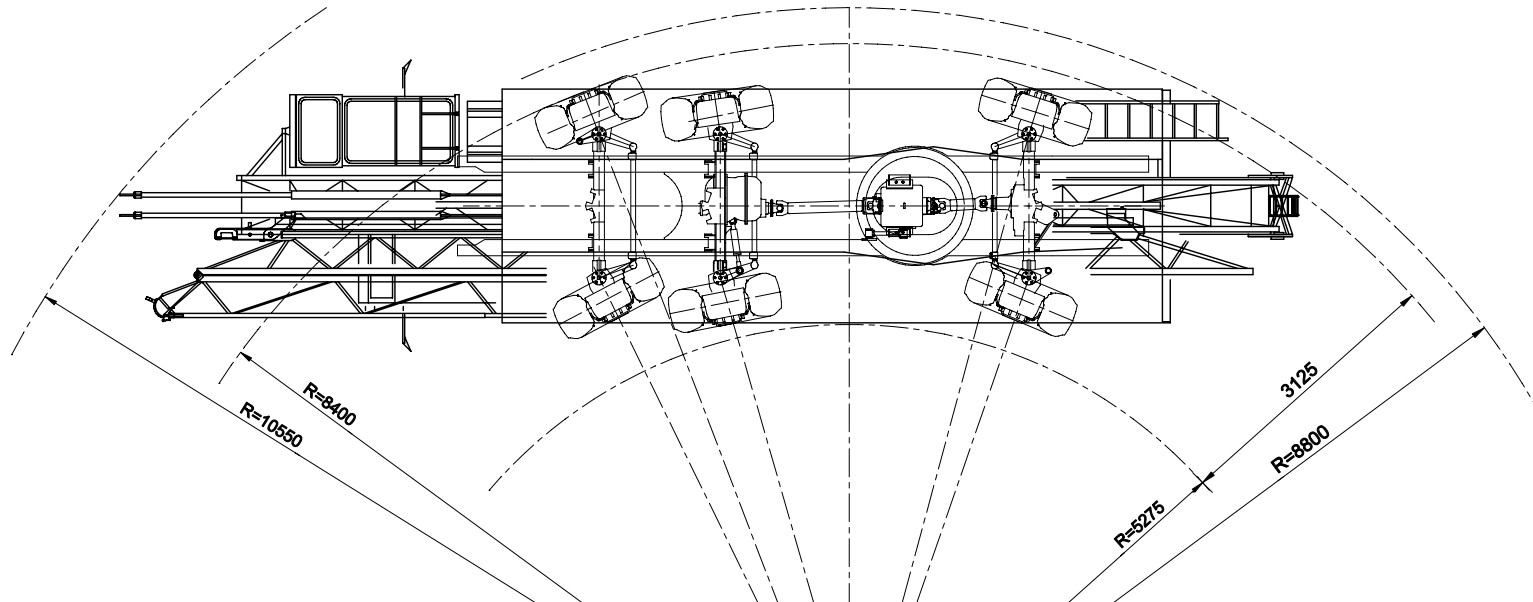
Jib horizontal

Hookheight 20 m (height under jib 21,9 m)



Jib 30° luffed





Total weight 36000 kg

## SPIERINGS HYDRAULIC FOLDING CRANE SK377-AT3

**SPIERINGS**  
MOBILE CRANES

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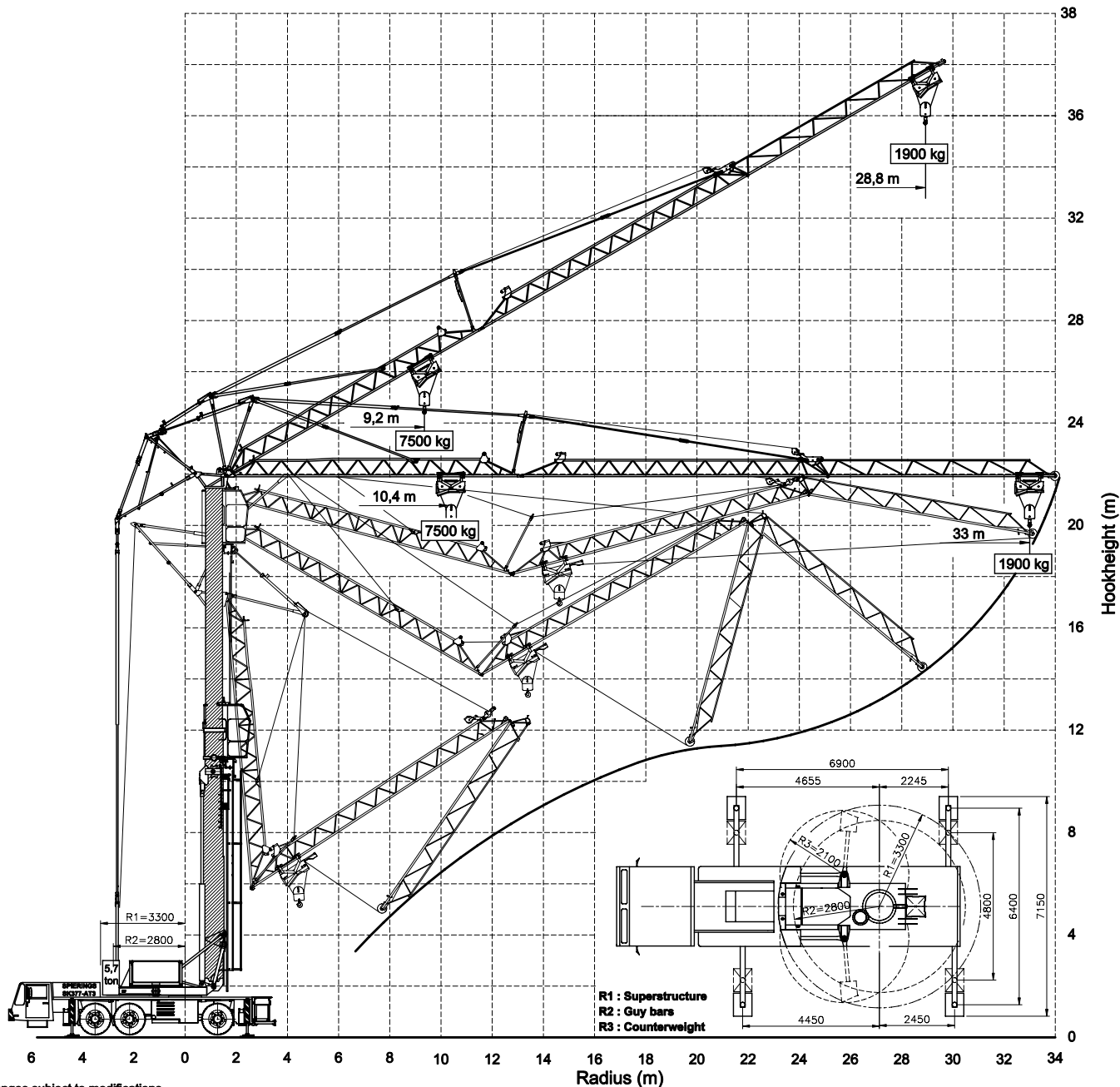
# SPIERINGS

## HYDRAULIC FOLDING CRANE

### SK 377 - AT3

#### Erection procedure of the crane

Max. outrigger force : 300 kN  
 Outrigger support pads : 750x600 mm  
 Ground pressure : 0,67 N/mm<sup>2</sup>  
 Jib can be unfolded through 360°  
 Luffing the jib 30° can be controlled from  
 the crane cab or remote control



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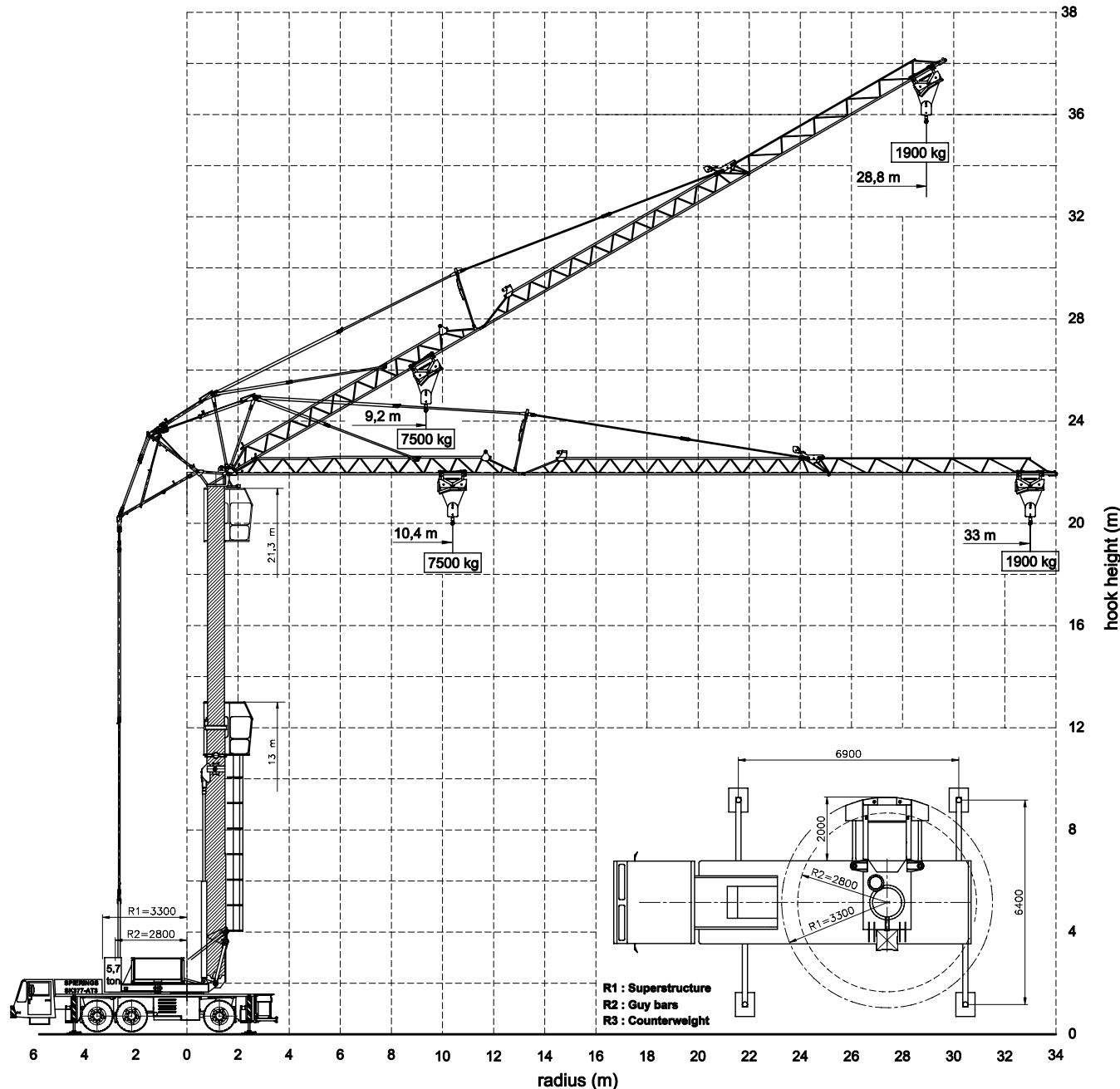
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# SPIERINGS

## HYDRAULIC FOLDING CRANE

### SK 377 - AT3

**Hoisting Specifications**  
**Outrigger square: 6,90 m x 6,40 m**



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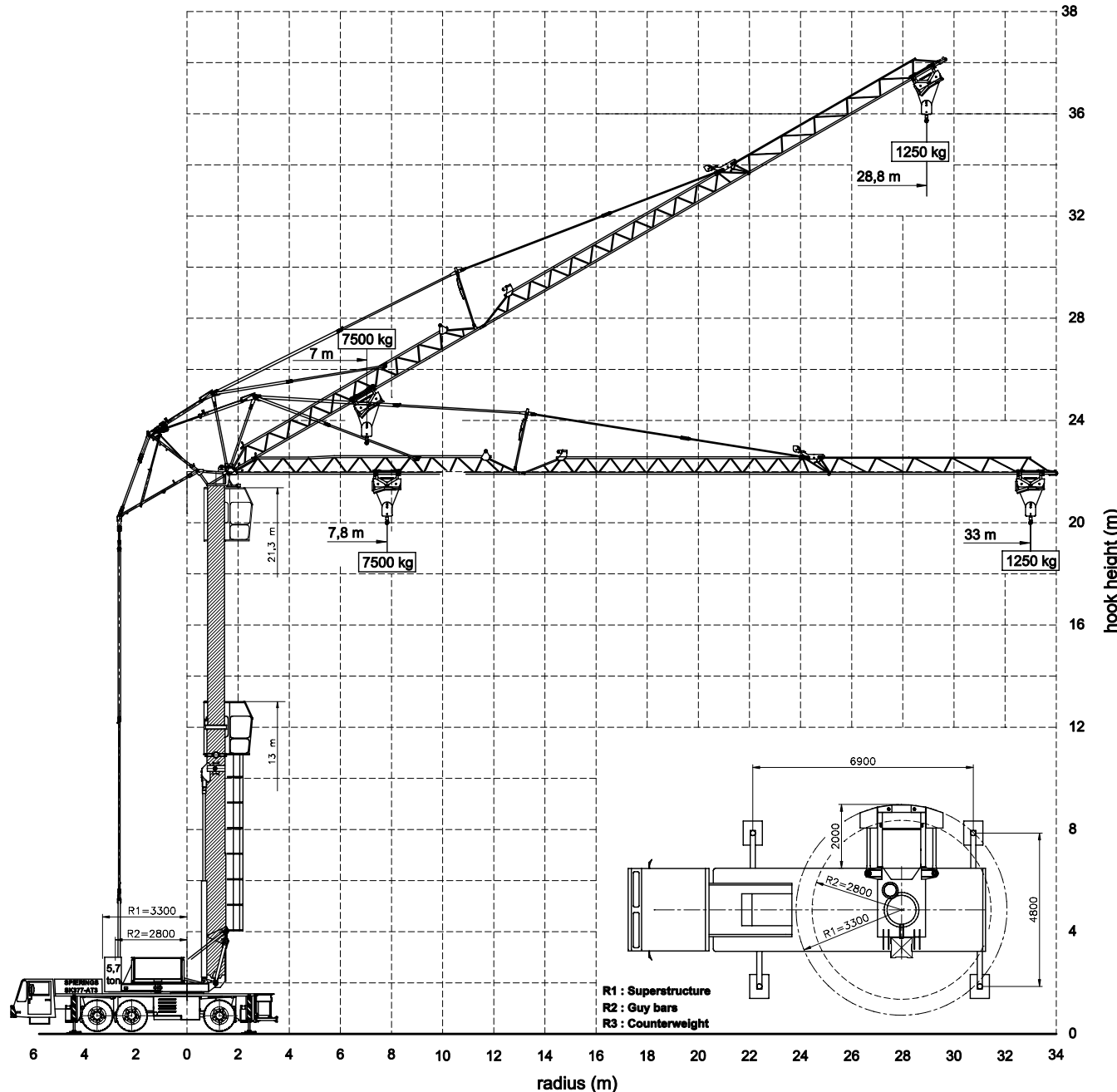
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# SPIERINGS

## HYDRAULIC FOLDING CRANE

### SK 377 - AT3

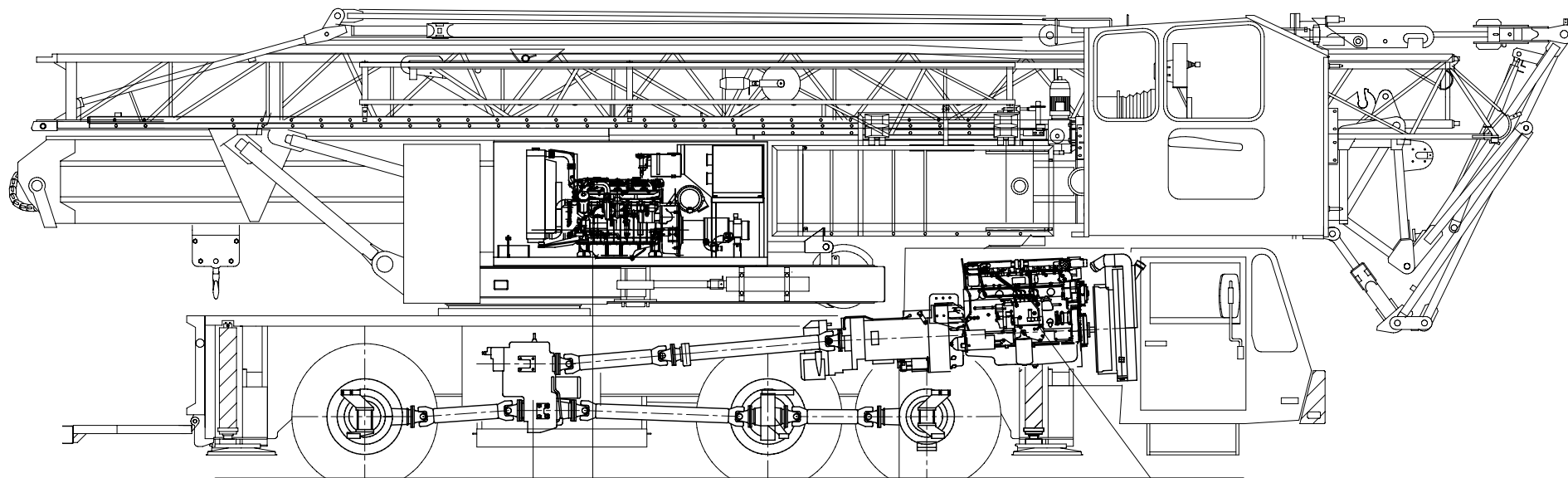
**Hoisting Specifications**  
**Outrigger square: 6,90 m x 4,80 m**



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**Axle 3**

Transferbox:  
STEYR VG1600/396  
Road gear:  $i=0,89$   
Off road gear:  $i=1,54$

**Axle 2**

Crane diesel engine  
John Deere 4045HF475  
Power: 129 kW (2200 tpm)  
Torque: 700 Nm (1400 tpm)

**Axle 1**

Gearbox:  
ZF 16S151  
Manually operated with  
air power assistance  
+ dry plate clutch

Carrier diesel engine:

Euro IV  
DAF: PR 265 (9,2 ltr)  
Power: 265 kW (2200 tpm)  
Torque: 1450 Nm (1700 tpm)

Axle 1 : steer drive axle ( $i=7,29$ )

Axle 2 : axle, (not steering, not driven)

Axle 3 : steer drive axle ( $i=7,29$ )

Suspension: hydro-pneumatic on all axles; stroke cyl. : 247 mm

Tyres

Max. speed carrier

Min. speed carrier (engine at 1000 rpm)

Overall weight

: 445/75 R22,5

85 km/h

1,8 km/h

36000 kg

## Drive train Spierings Folding Crane SK377-AT3

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| <b>Outrigger support base</b>   |                              |
|---------------------------------|------------------------------|
| <b>Max. outrigger force</b>     | <b>300 kN</b>                |
| <b>Outrigger support pads</b>   | <b>750x600 mm</b>            |
| <b>Ground pressure</b>          | <b>0,67 N/mm<sup>2</sup></b> |
| <b>Outrigger support plates</b> | <b>1000x1000 mm</b>          |
| <b>Surface</b>                  | <b>1,00 m<sup>2</sup></b>    |
| <b>Ground pressure</b>          | <b>0,30 N/mm<sup>2</sup></b> |

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