



LM1

Year of construction

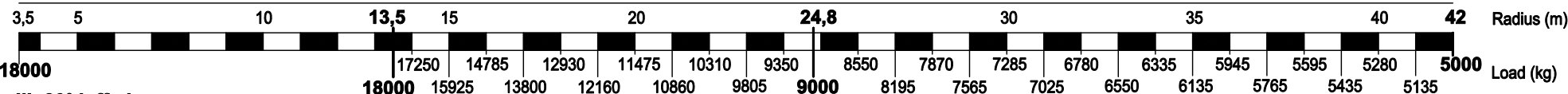
42 m

Outriggers positioned according to lifting chart
 Outrigger support base : 7,95 x 7,63 m.
 Operation allowed up to wind force 8 Bf (17 m/s)
 Outrigger support base : 7,95 x 5,72 m.
 Operation allowed up to wind force 8 Bf (17 m/s)
 Max. outrigger force: 600 kN.

up to wind force 8 on the Beaufort scale (17 m/sec)

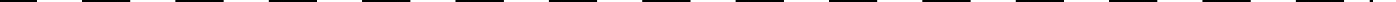


Hook height 25,7 / 35,5 m (height under the jib 27,9 / 37,7 m)



36,9	37,7	40,6	43,5	46,4	47,4	49,3	52,2	55,1	56	Hook height (m)
------	------	------	------	------	-------------	------	------	------	-----------	-----------------

3.5	5	10	15	20	21.7	25	30	35	36.6	Radius (m)
-----	---	----	----	----	-------------	----	----	----	-------------	------------



9000	8875	8045	7350	6765	6260	5820	5435	5095	Load (kg)
-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	------------------

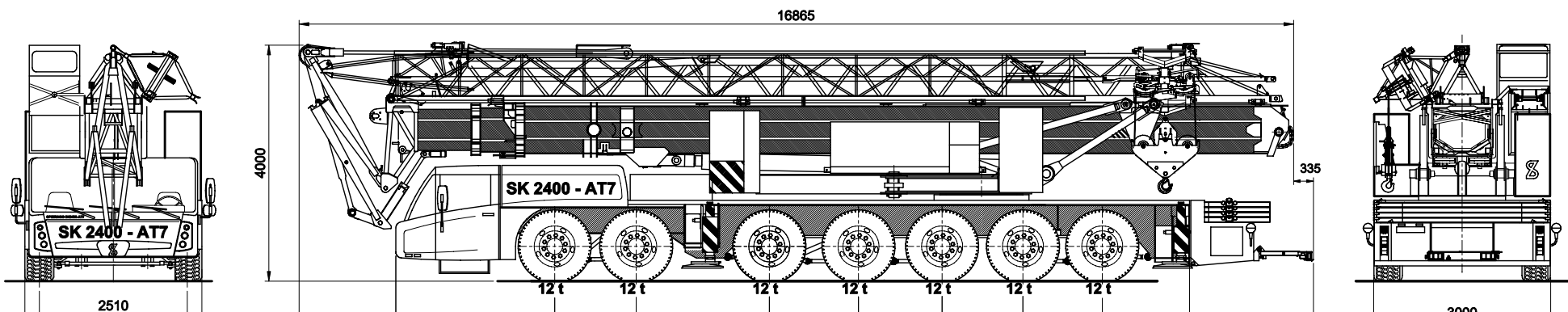
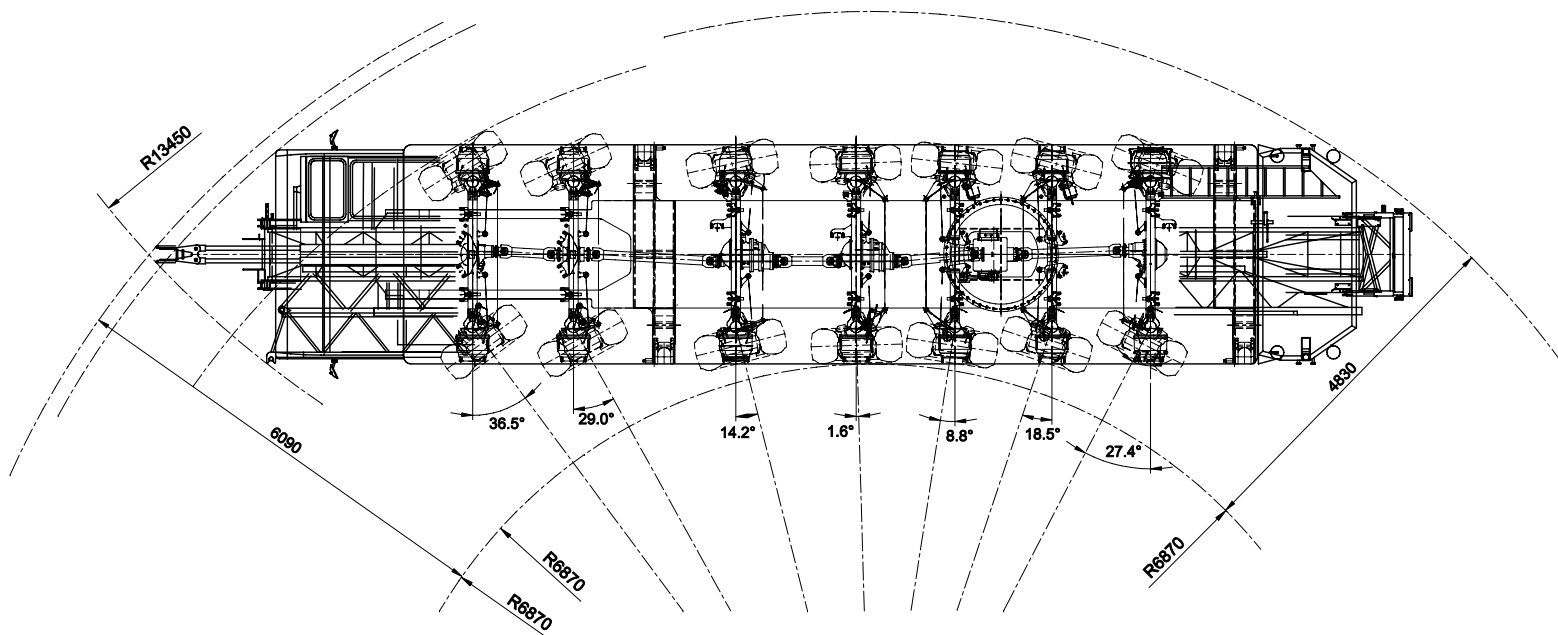
	9000	8440	7685	7045	6500	6030	5620	5260	5000	Total (RS)
--	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------------

up to wind force 8 on the Beaufort scale (17 m/sec)

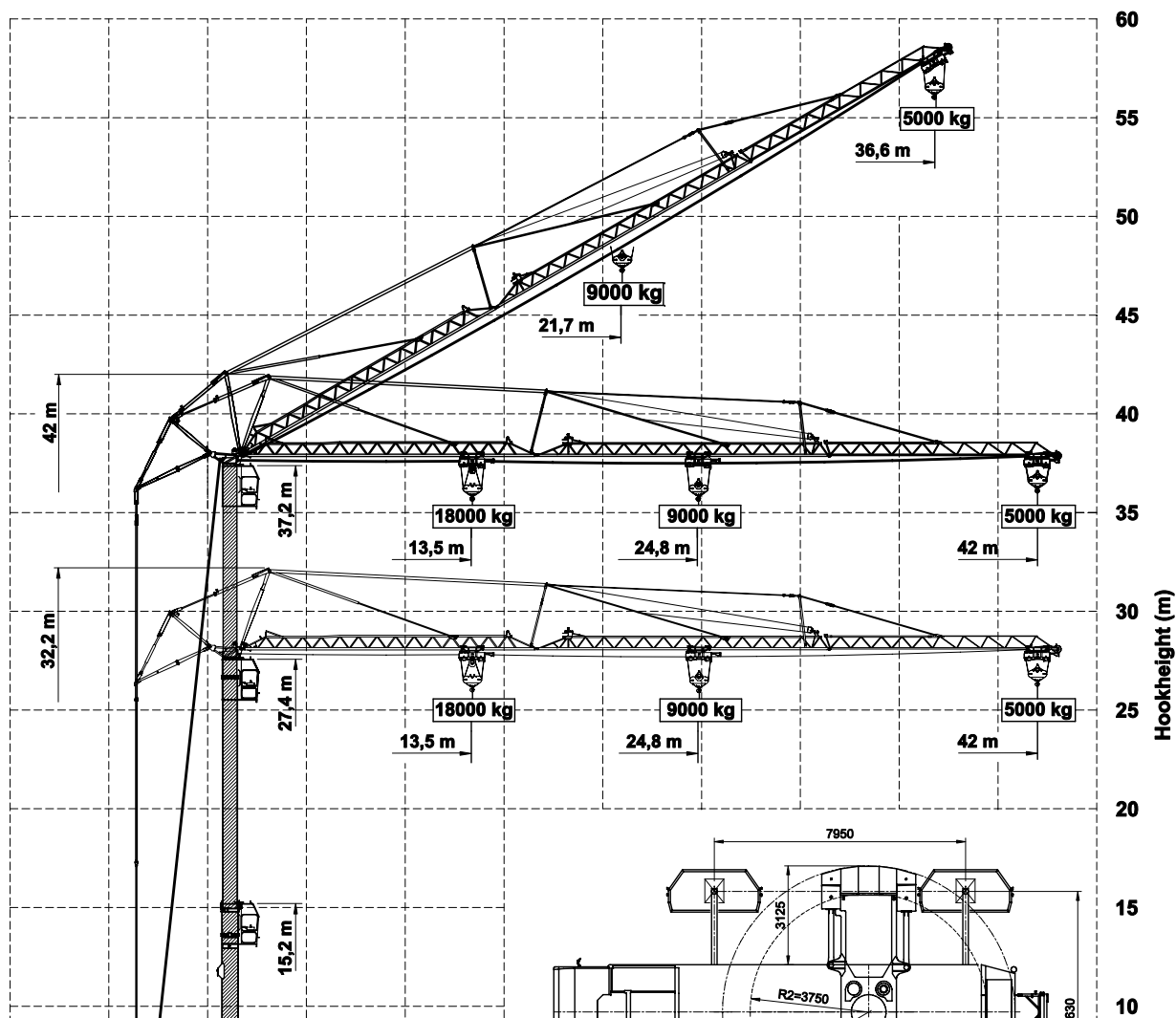


Hook height 25,7 / 35,5 m (height under the jib 27,9 / 37,7 m)



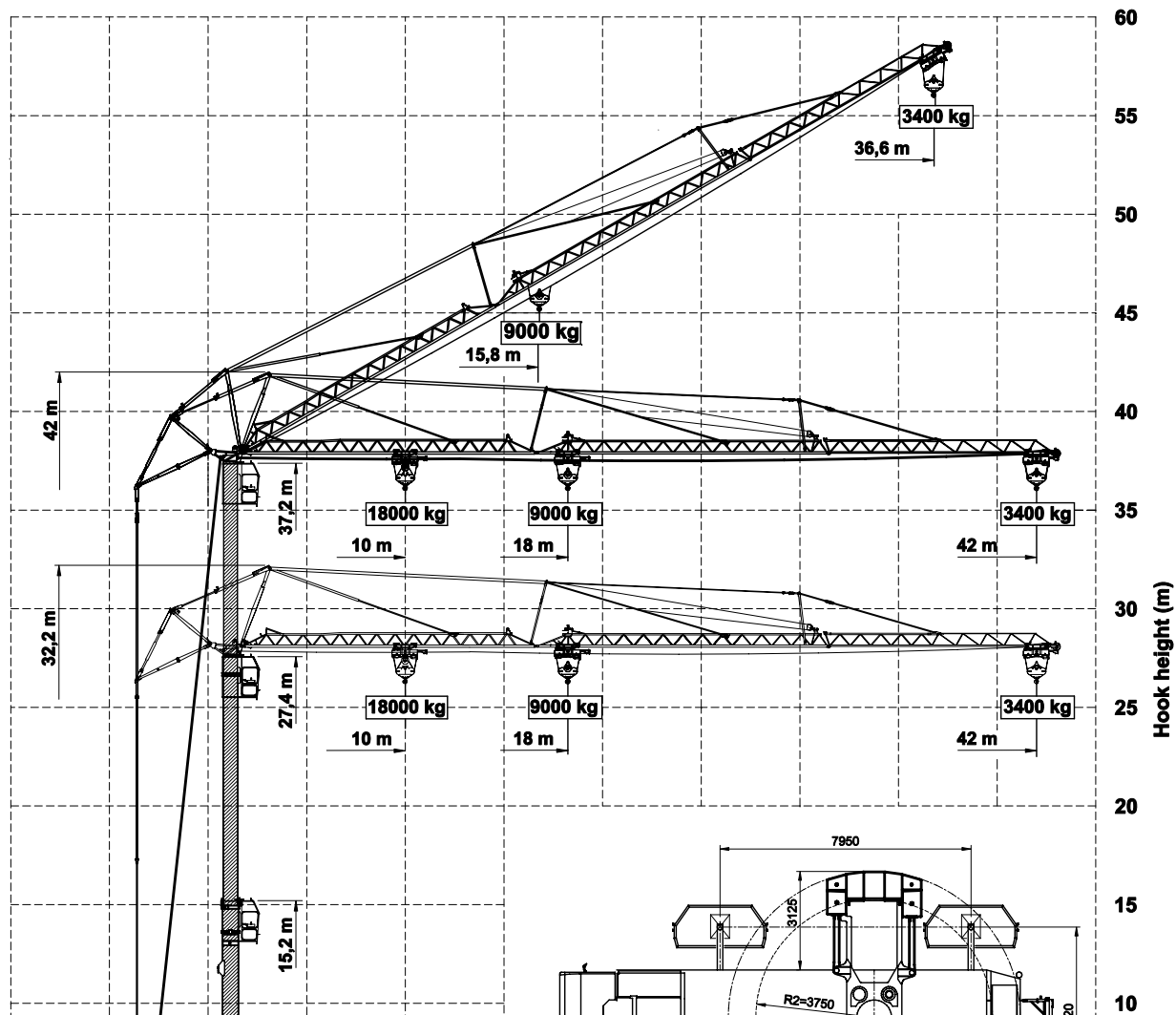






SPIERINGS HYDRAULIC FOLDING CRANE SK2400-AT7

Hoisting Specifications
Outrigger support base: 7,95 m x 7,63 m



SPIERINGS HYDRAULIC FOLDING CRANE SK2400-AT7

Hoisting Specifications

Outrigger support base: 7,95 m x 5,72 m

**SPIERINGS****MOBILE CRANES****Make: SPIERINGS****Type: SK2400-AT7****LM2****Crane specification (Jib length 42 m)****Serial Number** **Year of construction**

Strength / stability : as per EN 13001

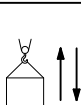
Stability : as per ISO 4305

Classification : as per ISO 4301-2.A4

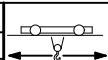
Max. load

18,0 tonMax. radius
with max. load**14,6 m**

Max. capacity

263 tmMax.
jib length**42 m****Max. speed** Jib horizontal / 30° luffed

m/min	kg
3,3	18000
6,6	9000
10	4500
16	2250
23	0



0 - 23 m/min



0-0,3 r/min

Hoist and trolley movements are not possible at the same time.
Reduced crane speeds (1/3 nominal).
All motions with hydraulic proportional controls.

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

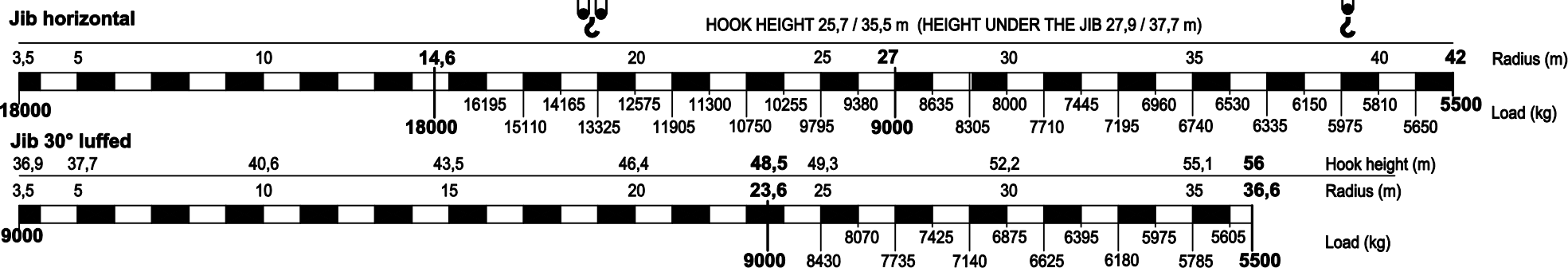
Counterweight Crane: 23000 kg.
Continuous slewing of the crane (360°) with the outriggers out and support pads down.
Crane can be driven in its erected position under special conditions (refer user guide).
The crane should be folded in at wind force 10 (Bf) (24 m/sec) or when not in use for a longer period.

Rated lifting capacity is net capacity.
Max. line pull force : 4500 kg.
2 parts of line : 9000 kg.
4 parts of line : 18000 kg.
Sail area of the load max.: 1,0 m²/ ton.
Operating temperature range from: -15°C till +40°C.

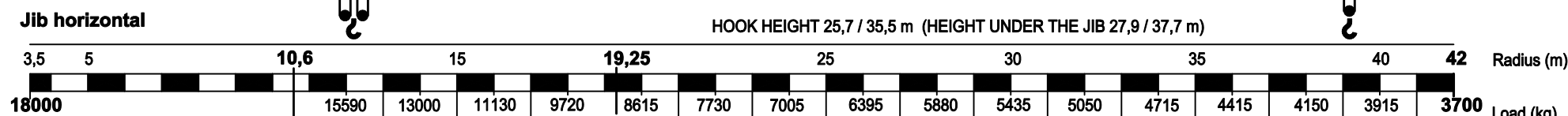
Outriggers positioned according to lifting chart
Outrigger support base : 7,95 x 7,63 m.
Operation allowed up to wind force 7 Bf (14 m/s)
Outrigger support base : 7,95 x 5,72 m.
Operation allowed up to wind force 7 Bf (14 m/s)
Max. outrigger force: 615 kN.

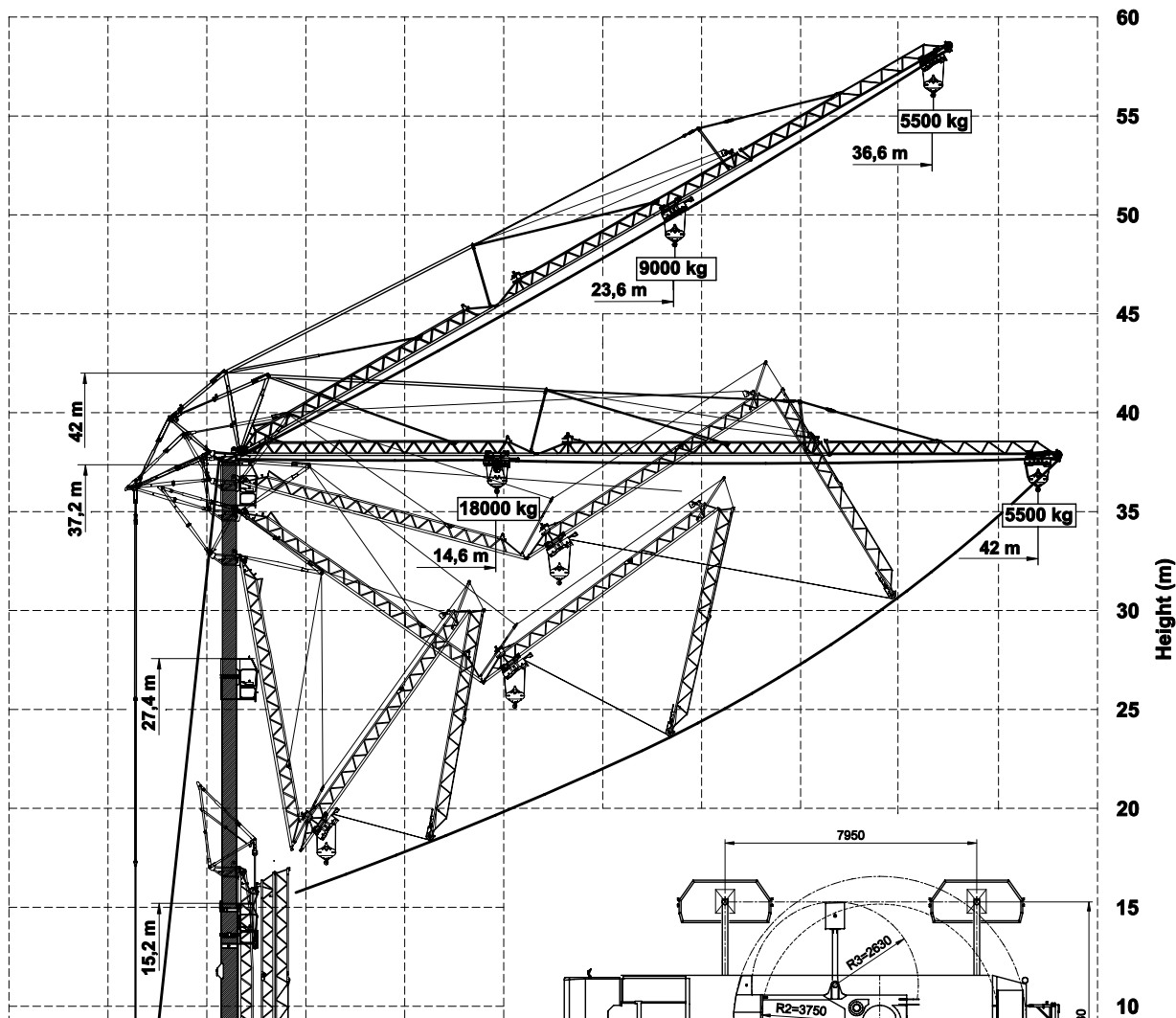
LIFTING CHART**Outrigger support base 7,95 m x 7,63 m**

up to wind force 7 on the Beaufort scale (14 m/sec)

**LIFTING CHART****Outrigger support base 7,95 m x 5,72 m**

up to wind force 7 on the Beaufort scale (14 m/sec)



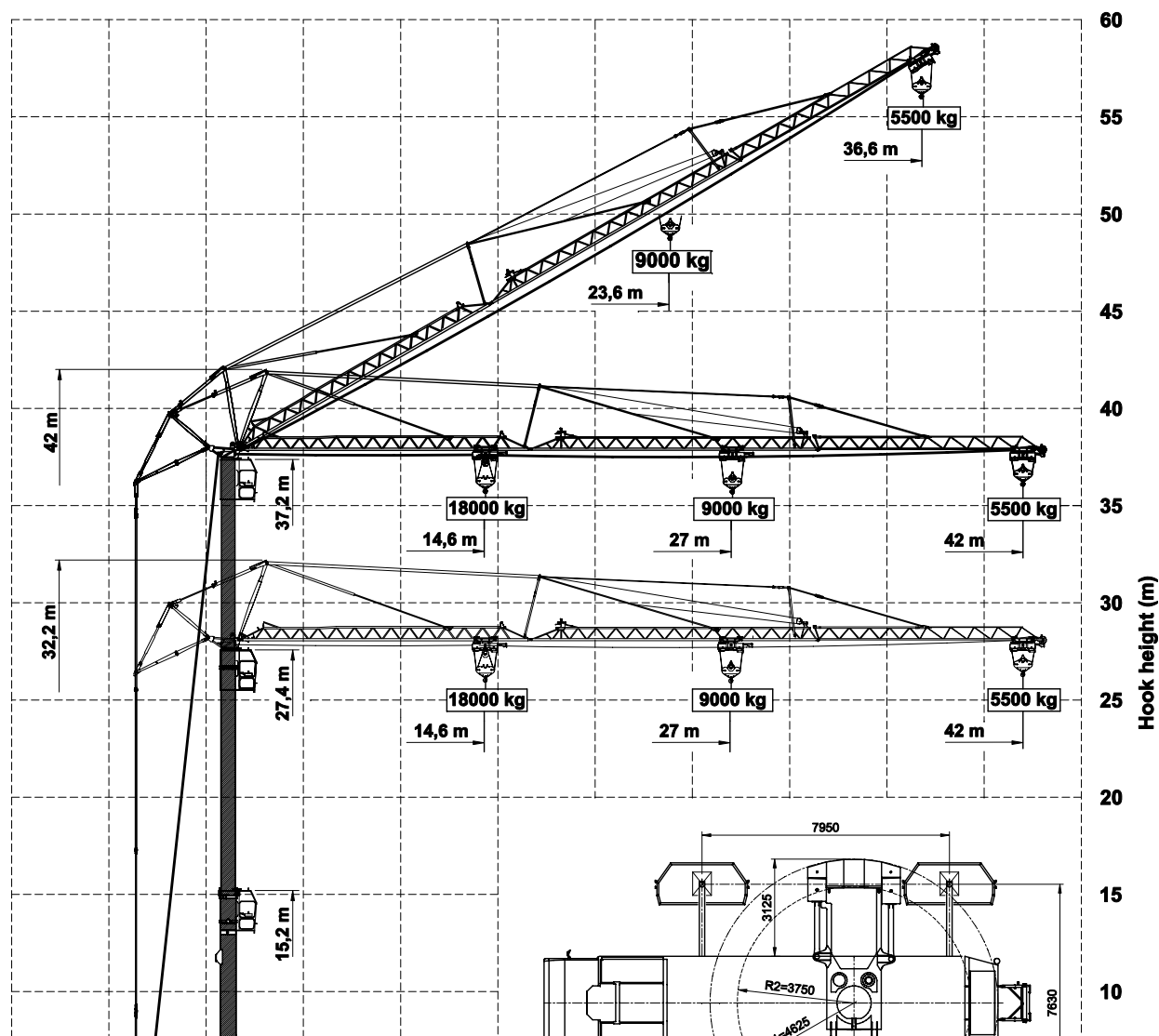


SPIERINGS HYDRAULIC FOLDING CRANE SK2400-AT7

Hoist and trolley movements aren't possible at the same time
Reduced crane speeds (1/3 nominal)

Erection procedure of the crane

Max. outrigger force : 615 kN
Outrigger support pads : 750x600 mm
Ground pressure : 1,37 N/mm²
Jib can be unfolded through 360°
Luffing the jib 30° can be controlled from
the crane cab or remote control
Outrigger support plates : 3000x1340 mm
surface : 3,585 m²
Ground pressure : 0,17 N/mm²

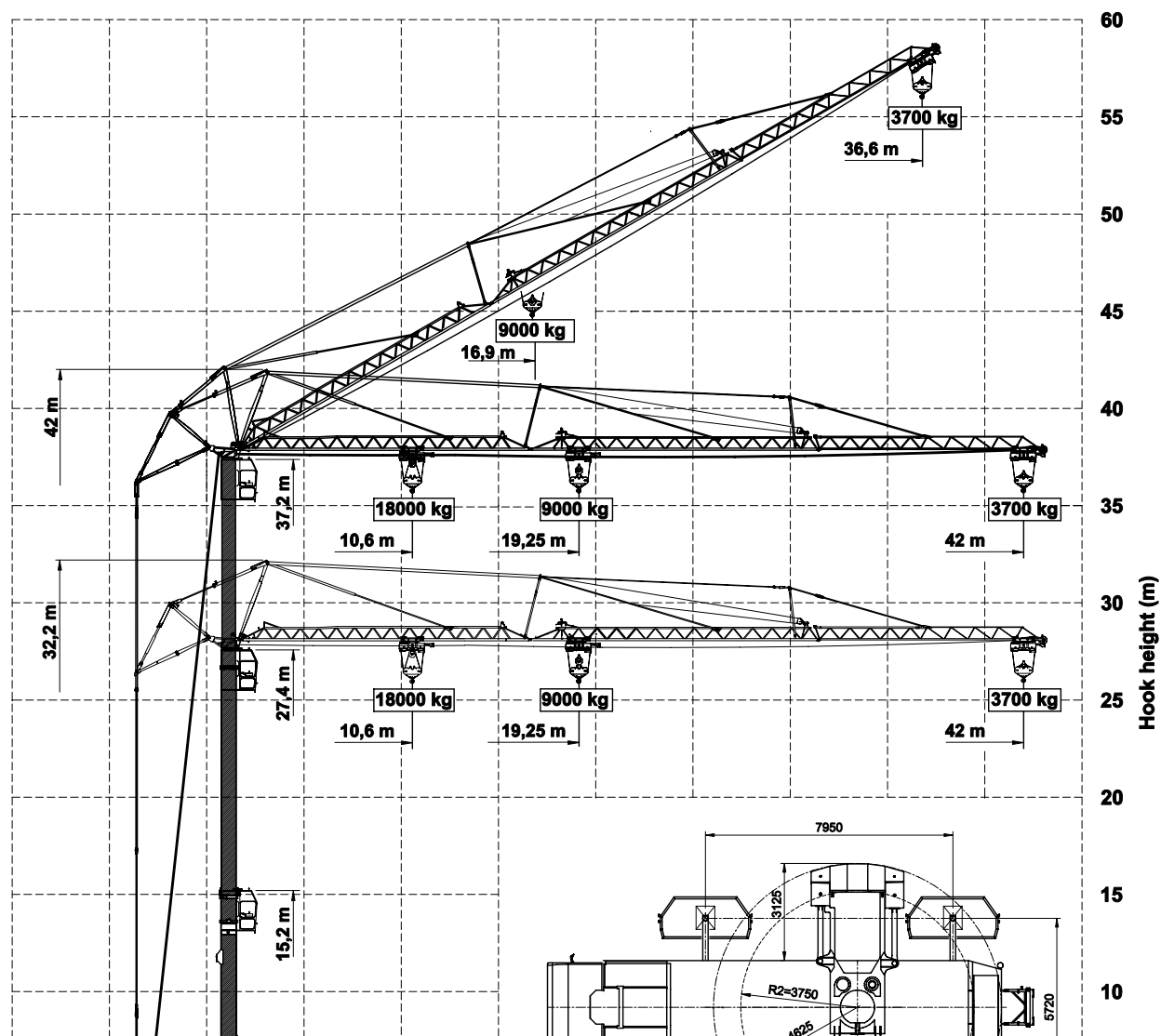


SPIERINGS HYDRAULIC FOLDING CRANE SK2400-AT7

Lifting specifications

Outrigger support base: 7,95 m x 7,63 m

Hoist and trolley movements are not possible at the same time
Reduced crane speeds (1/3 nominal)

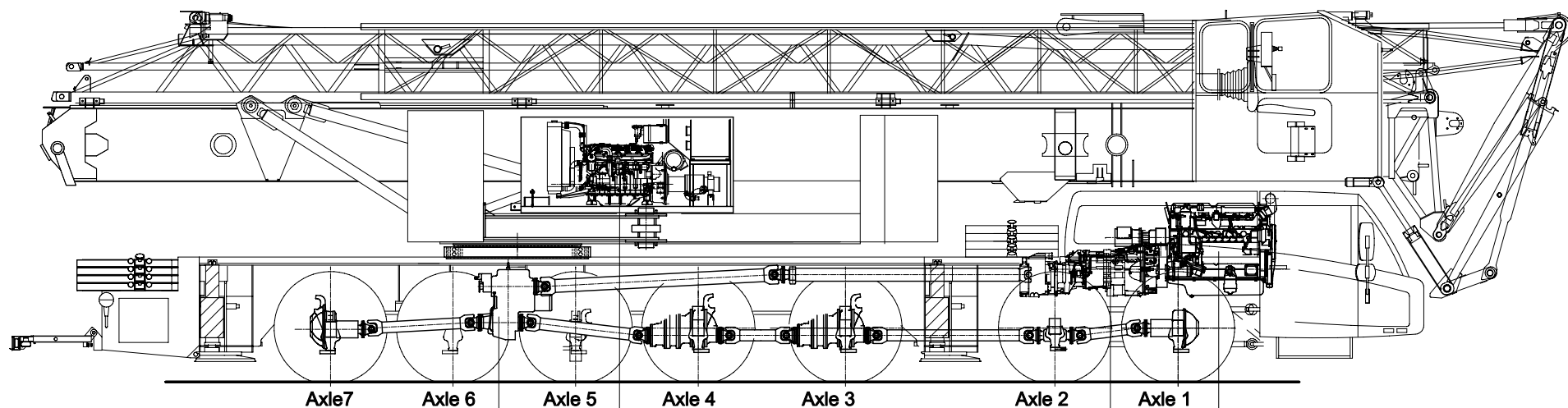


SPIERINGS HYDRAULIC FOLDING CRANE SK2400-AT7

Lifting specifications

Outrigger support base: 7,95 m x 5,72 m

Hoist and trolley movements are not possible at the same time
Reduced crane speeds (1/3 nominal)



Axle7

Axle 6

Axle 5

Axle 4

Axle 3

Axle 2

Axle 1

Transferbox

STEYR VG2701 / 400

Road gear $i=0,91$

Off road gear $i=1,41$

Superstructure

John Deere 4045HF475

Power: 129 kW (2200 tpm)

Torque: 700 Nm (1400 tpm)

Gearbox:

ZF 12TC2740

Automatic

torque converter

+ retarder

Carrier Diesel Engine:

Euro IV

DAF: MX 375 S1 (12,9 ltr)

Power: 375 kW (1900 tpm)

Torque: 2350 Nm (1450 tpm)

Axle 1 : Steer axle, driven (end reduction $i=7.33$)

Axle 2 : Steer axle

Axle 3 : Steer axle, driven (end reduction $i=7.29$)

Tyres

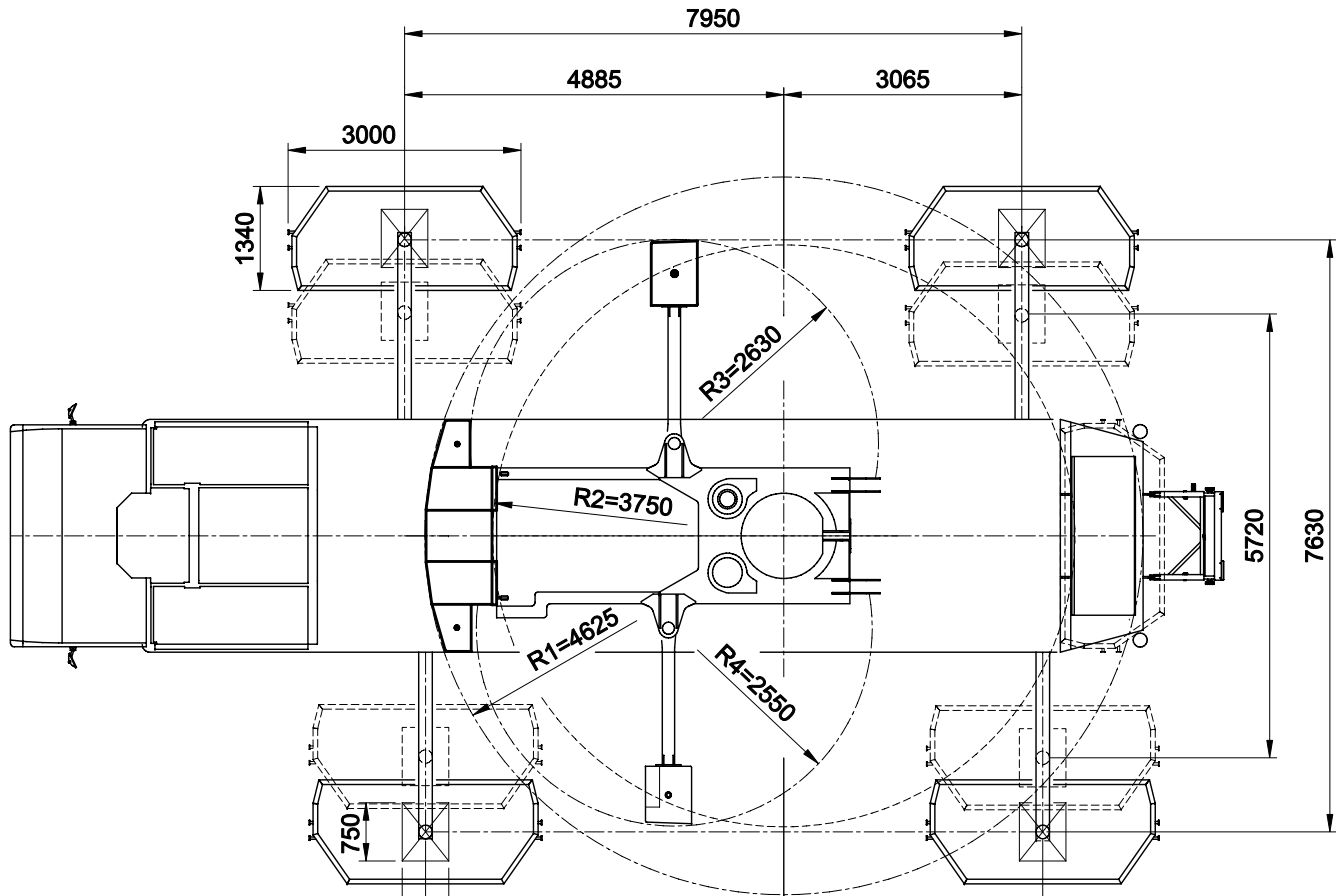
Suspension: hydro-pneumatic on all axles, stroke cyl.

: 445/75 R22,5

: 247 mm



SPIERINGS
HYDRAULIC FOLDING CRANE
SK2400-AT7



Outrigger support base	
Max. outrigger force	615 kN
Outrigger support pads	750x600 mm
Ground pressure	1,37 N/mm ²
Outrigger support plates	3000x1340 mm
Surface	3,585 m ²
Ground pressure	0,17 N/mm ²