



MOBILE CRANES

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

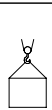
18,0 tonneMax. radius
with max. load**13,5 m**

Max. capacity

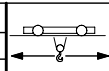
243 tmMax.
jib length**42 m**

Max. speed

Jib horizontal / 30° luffed



m/min	kg
10	18000
20	9000
30	4500
50	2250
75	0



0 - 70 m/min



0-0,9 r/min

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 8 Bf (17 m/sec)
 Outrigger support base : 7,95 x 5,72 m
 Operation allowed up to wind force 8 Bf (17 m/sec)
 Max. outrigger force: 600 kN.

LIFTING CHART

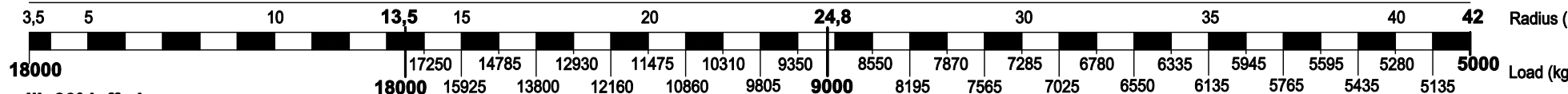
Outrigger support base 7,95 m x 7,63 m

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

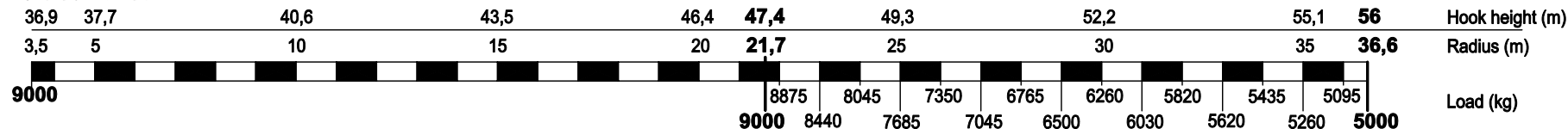
Jib horizontal



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



Jib 30° luffed



LIFTING CHART

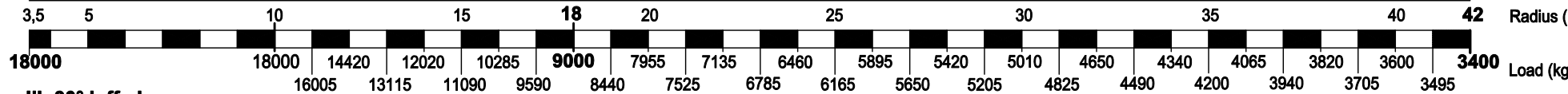
Outrigger support base 7,95 m x 5,72 m

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

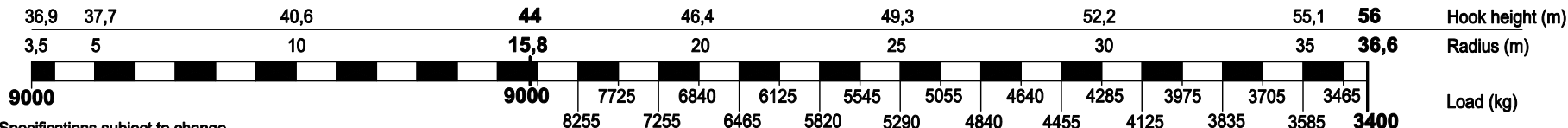
Jib horizontal



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

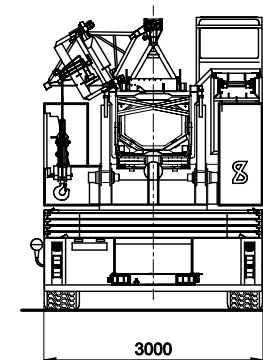
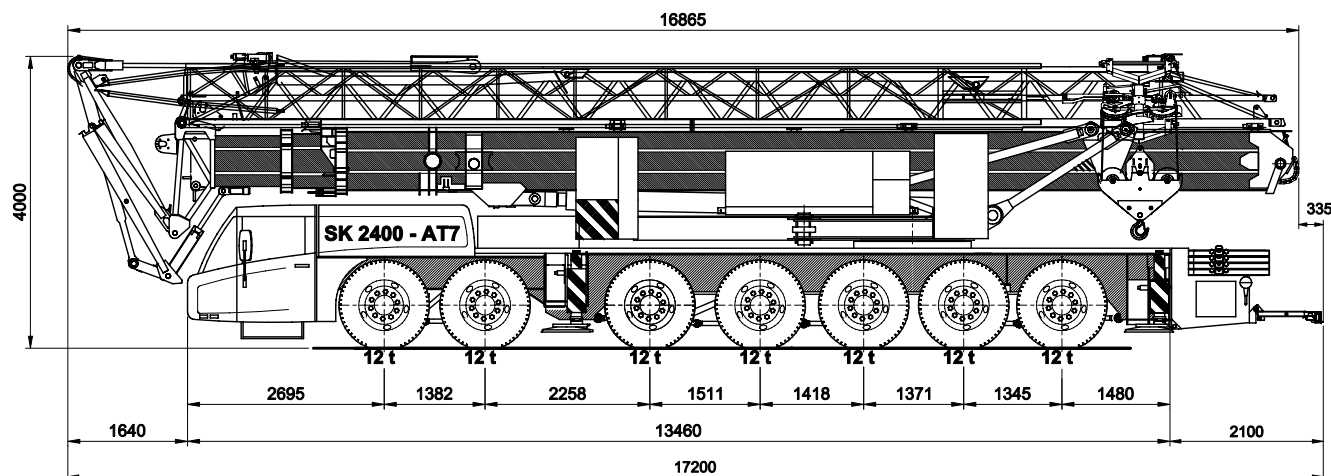
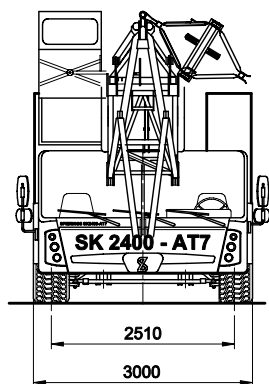
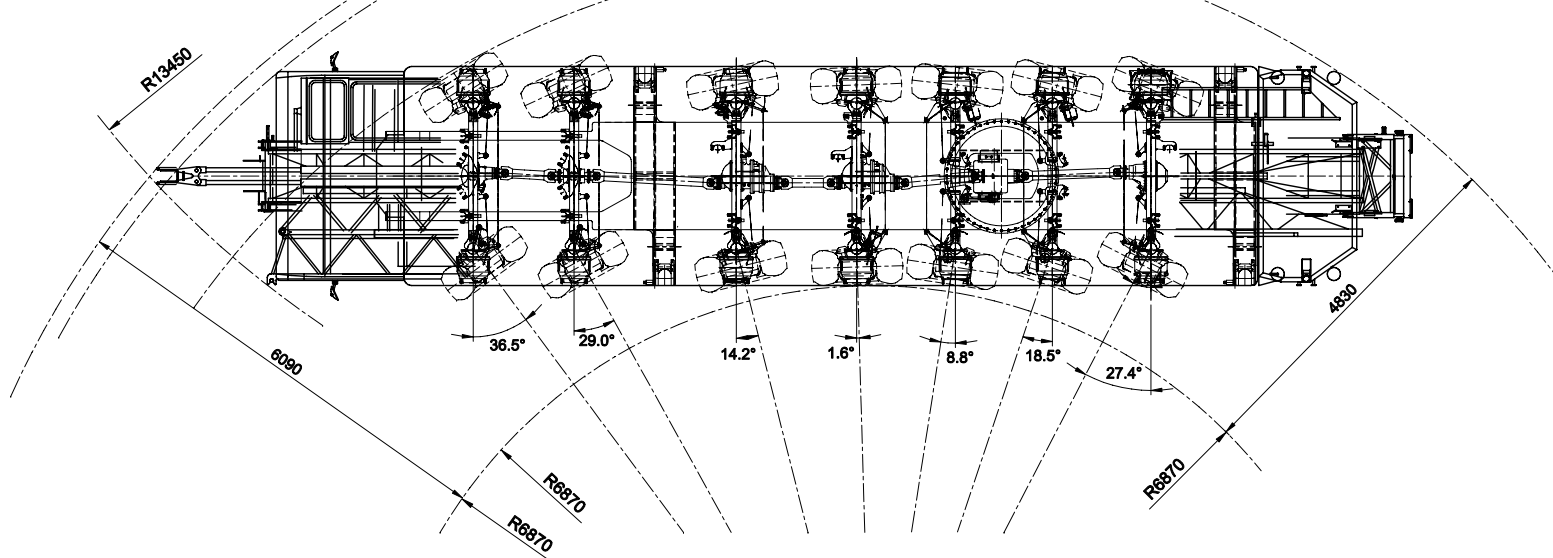


Jib 30° luffed



Specifications subject to change

141-002401



Overall weight: 84000 kg

Specifications subject to change

SPIERINGS HYDRAULIC FOLDING CRANE SK2400 - AT7

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MOBILE CRANE

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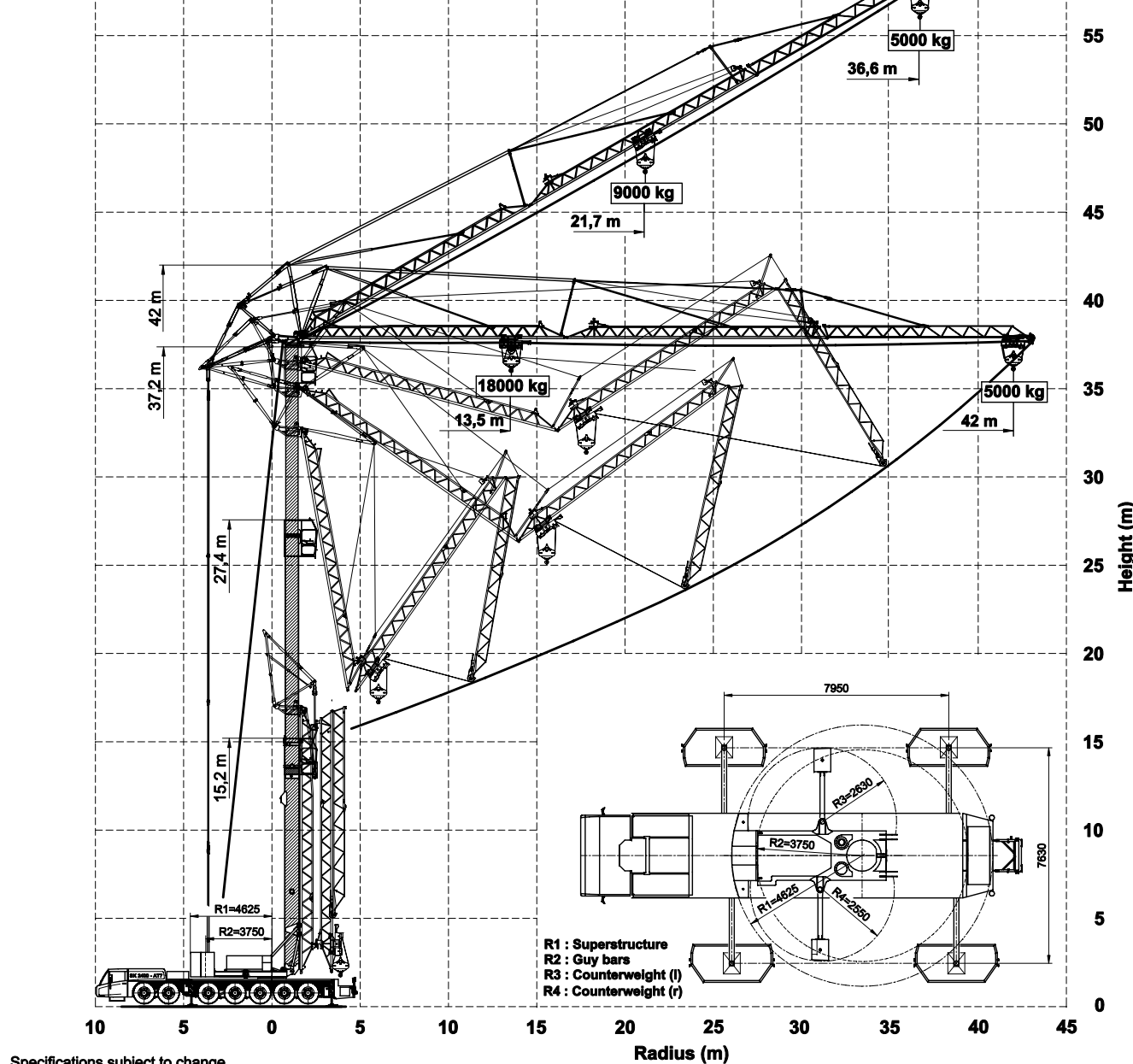
141-00240102

SPIERINGS HYDRAULIC FOLDING CRANE SK2400-AT7

Erection procedure of the crane

Max. outrigger force : 600 kN
 Outrigger support pads : 750x600 mm
 Ground pressure : 1,34 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



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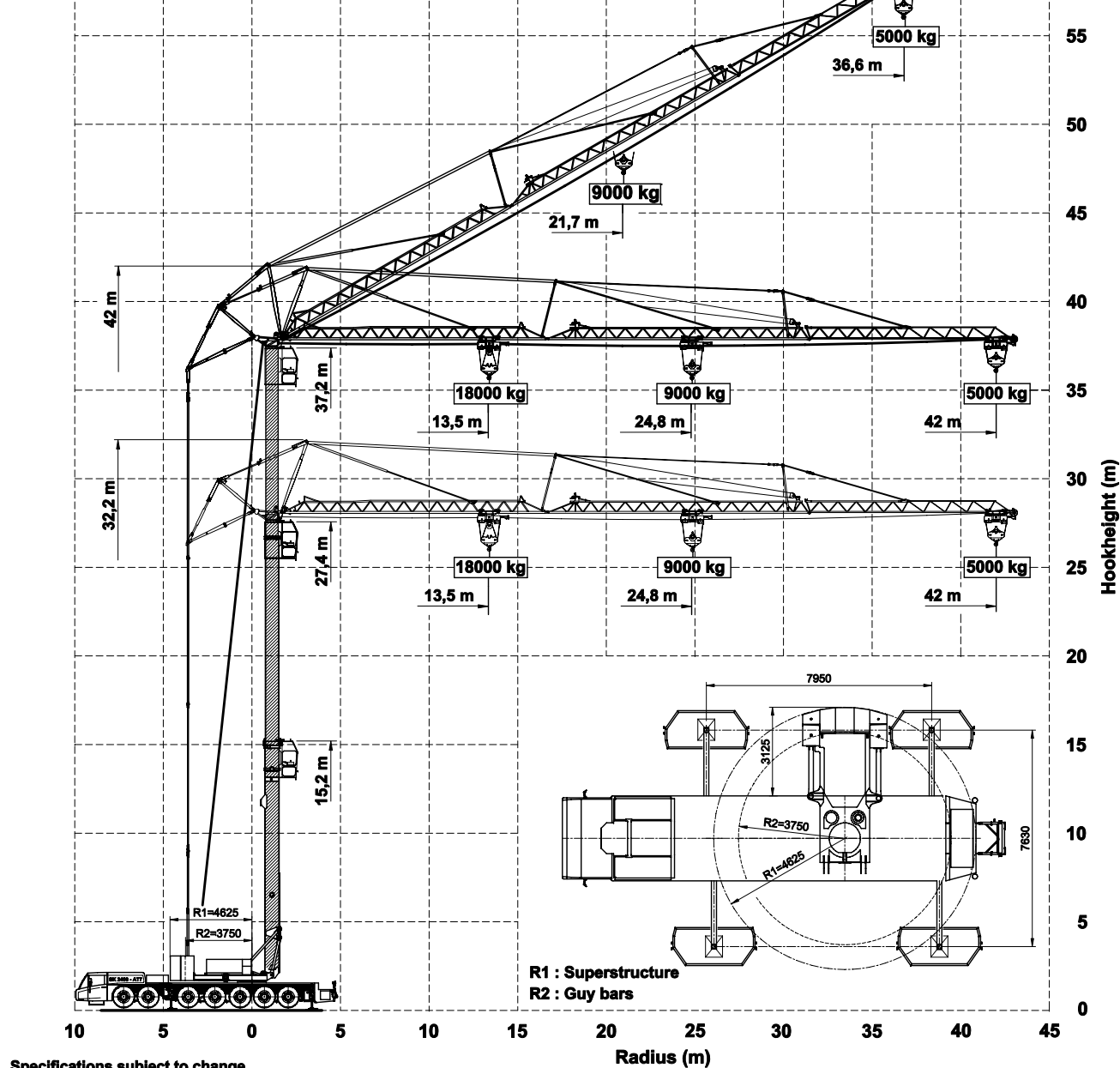
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HYDRAULIC FOLDING CRANE SK2400-AT7

Hoisting Specifications

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



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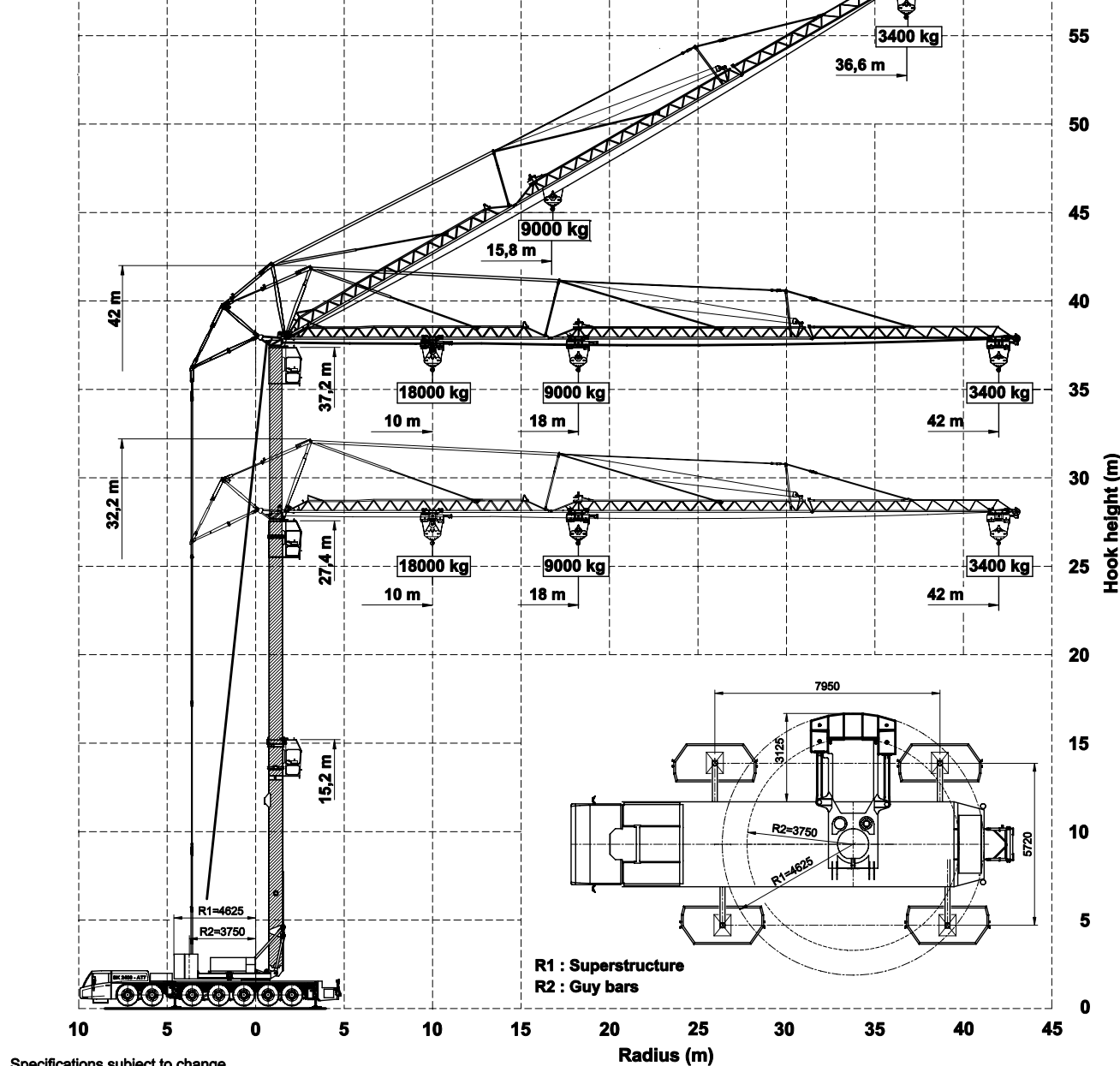
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HYDRAULIC FOLDING CRANE SK2400-AT7

Hoisting Specifications

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



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Serial Number

Year of construction

Crane specification (Jib length 42 m)

Strength / stability : as per EN 13001
Stability : as per ISO 4305
Classification : as per ISO 4301-2.A4

Max. load

18,0 ton

Max. radius
with max. load

14,6 m

Max. capacity

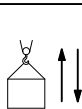
263 tm

Max.
jib length

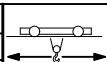
42 m

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
Outrigger support base : 7,95 x 7,63 m.
Operation allowed up to wind force 7 Bf
Outrigger support base : 7,95 x 5,72 m.
Operation allowed up to wind force 7 Bf
Max. outrigger force: 615 kN.

LIFTING CHART

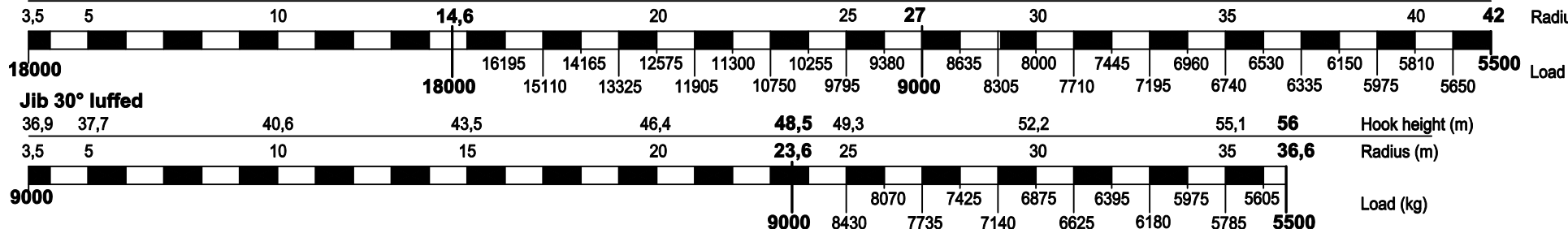
Outrigger support base **7,95 m x 7,63 m**

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

Jib horizontal



HOOK HEIGHT 25,7 / 35,5 m (HEIGHT UNDER THE JIB 27,9 / 37,7 m)



LIFTING CHART

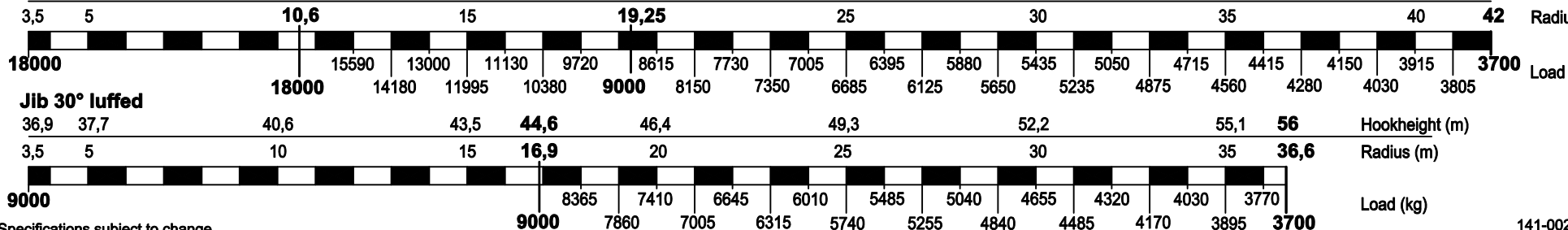
Outrigger support base **7,95 m x 5,72 m**

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

Jib horizontal



HOOK HEIGHT 25,7 / 35,5 m (HEIGHT UNDER THE JIB 27,9 / 37,7 m)



Specifications subject to change

141-002

SPIERINGS

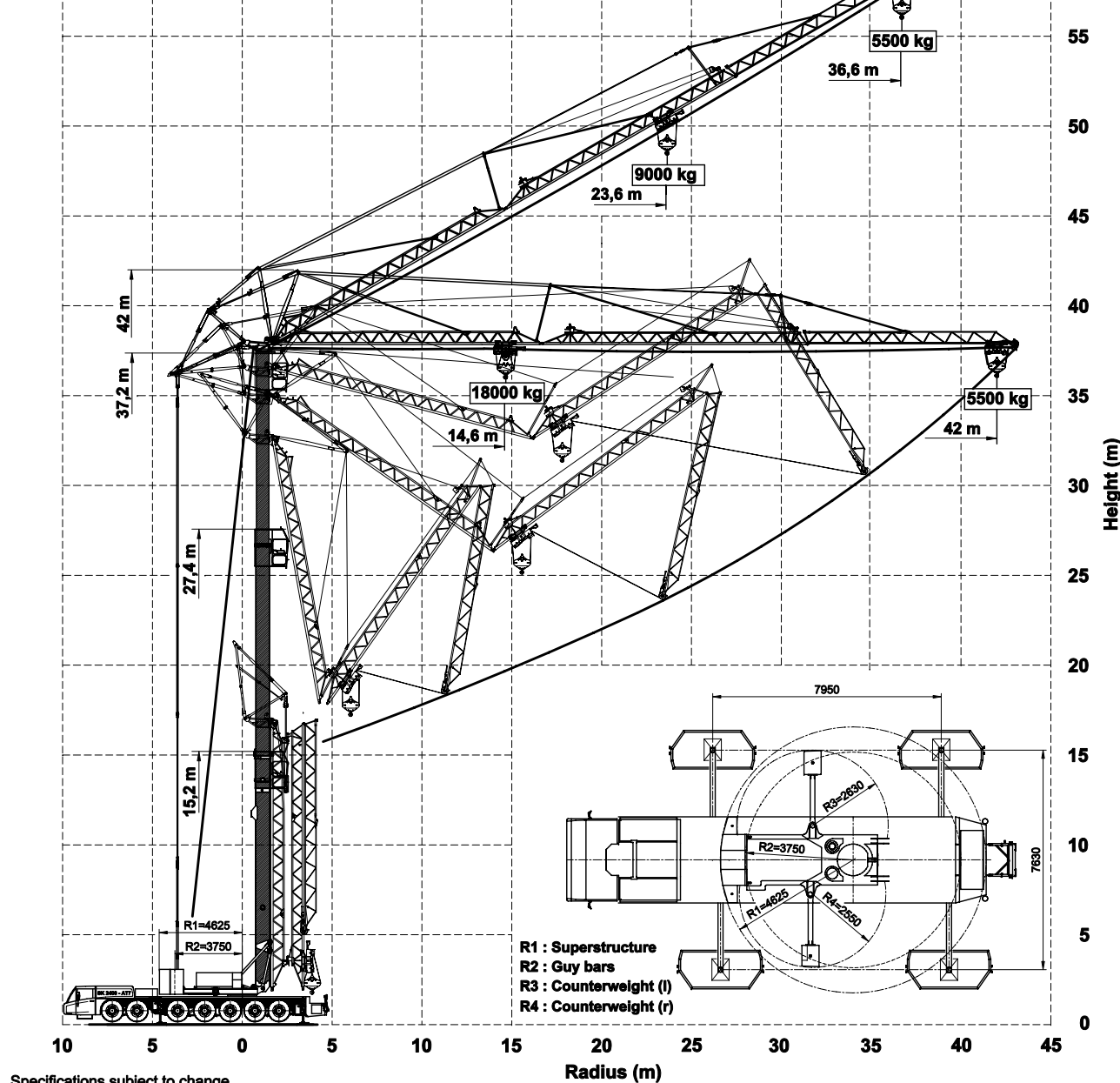
HYDRAULIC FOLDING CRANE

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



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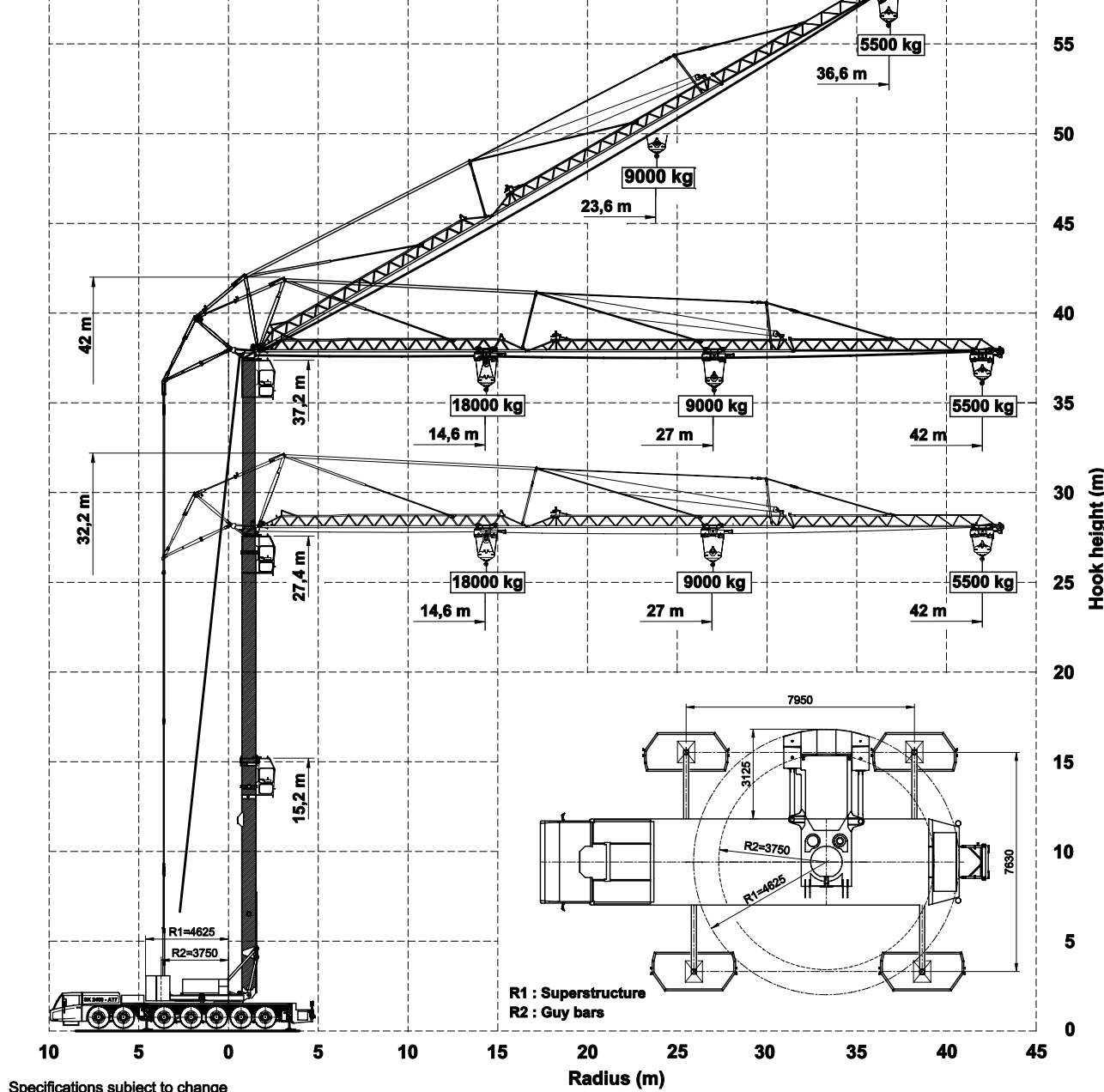
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HYDRAULIC FOLDING CRANE SK2400-AT7

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)



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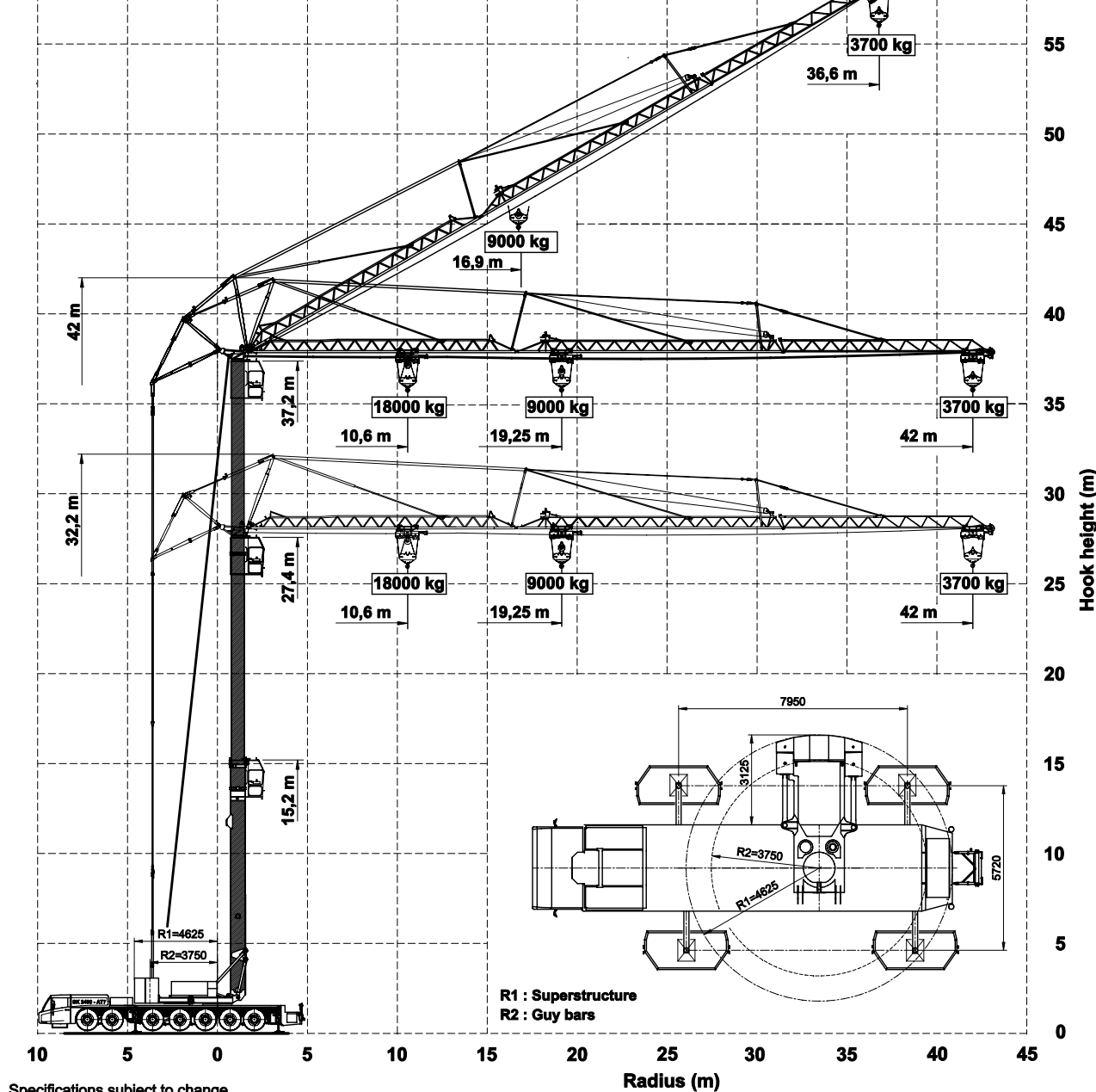
SPIERINGS HYDRAULIC FOLDING CRANE SK2400-AT7

Lifting specifications

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

Hoist and trolley movements are not possible at the same time

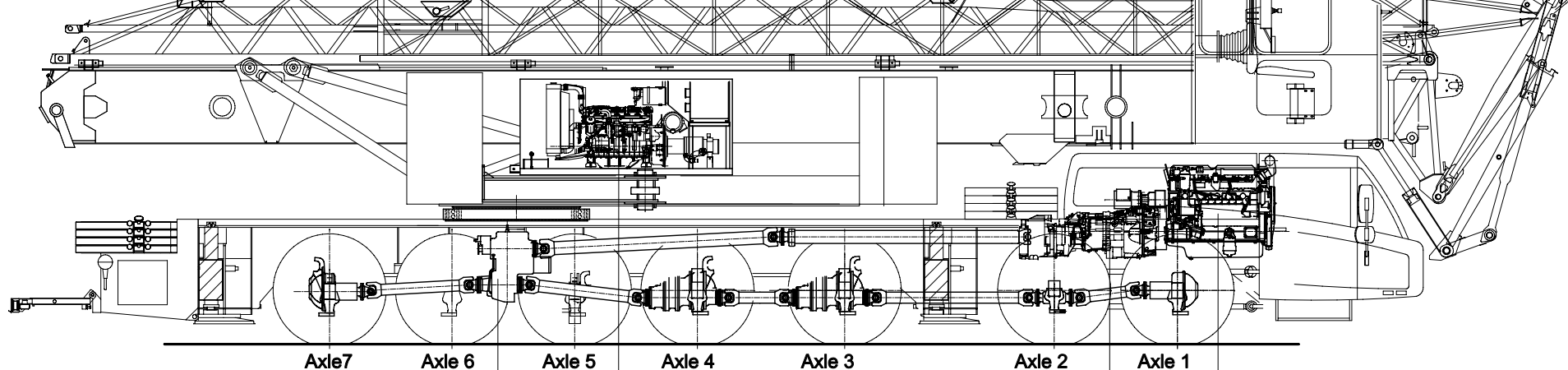
Reduced crane speeds (1/3 nominal)



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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 $i=7.29$)
Axle 4 : Steer axle, driven (end reduction $i=7.29$)
Axle 5 : Steer axle
Axle 6 : Steer axle
Axle 7 : Steer axle, driven (end reduction $i=7.29$)

Tyres
Suspension: hydro-pneumatic on all axles, stroke cyl.
Max. speed carrier (limited)
Min. speed carrier (engine at 1000 rpm)
Overall weight

: 445/75 R22,5
: 247 mm
: 83 km/h
: 1,6 km/h
: 84.000 kg

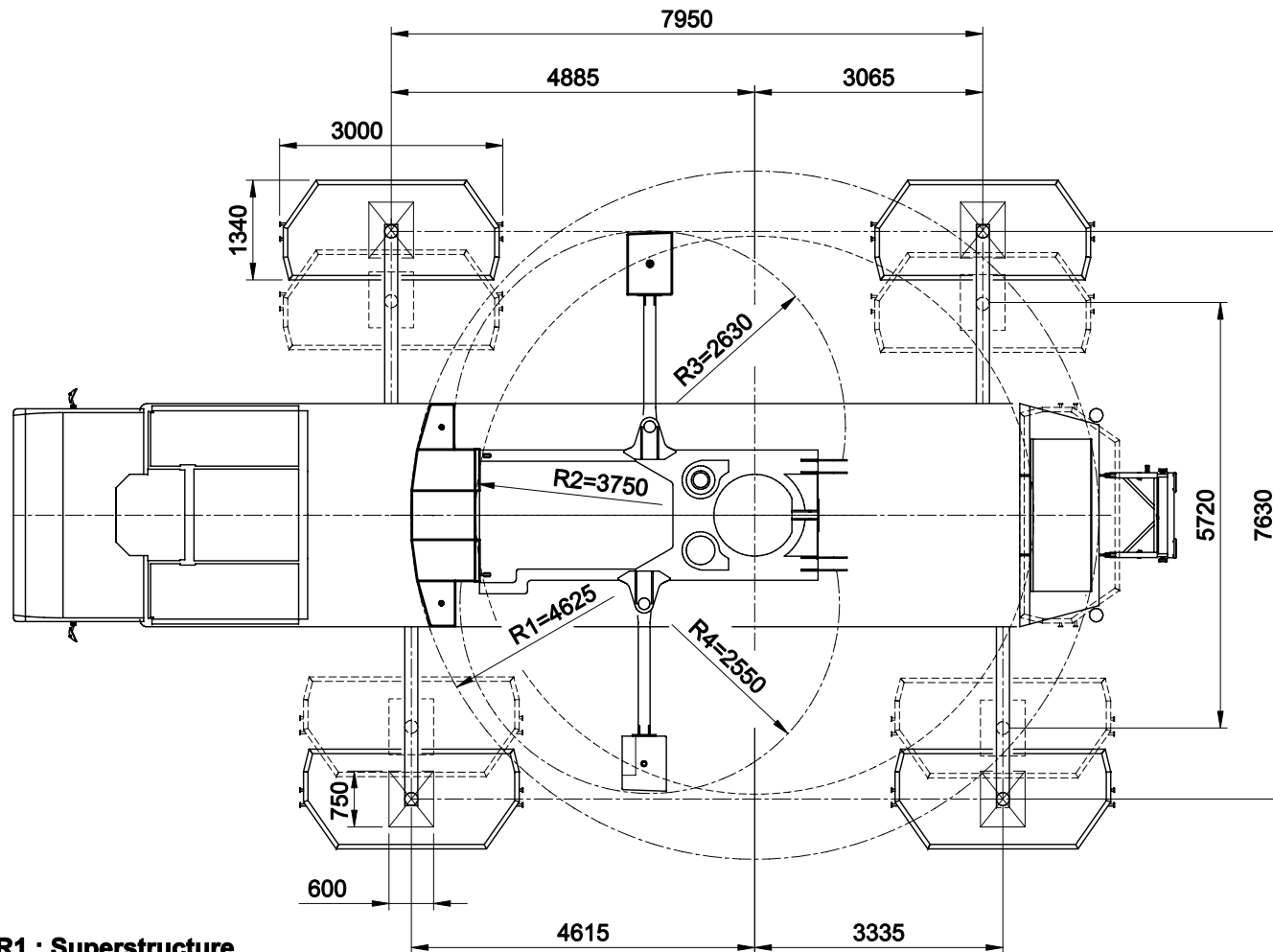
DRIVE TRAIN SPIERINGS FOLDING CRANE SK 2400-AT7

Specifications subject to change

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141-00240106



R1 : Superstructure
R2 : Guy bars
R3 : Counterweight (l)
R4 : Counterweight (r)

Specifications subject to change

Outrigger support base

Max. outrigger force	615 kN
Outrigger support pads	750x600 mm
Ground pressure	1,37 N/mm²
Outrigger support plates	3000x1340 mm
Surface	3,585 m²
Ground pressure	0,17 N/mm²

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