SPIERINGS
MOBILE CRANES

Make: SPIERINGS **Type:** SK387-AT3 **LM1**

Crane specification

Slewing range 360°

Serial number:

Year of construction:

		Max. load	Max. radius with max. load	Max. capacity	Max. jib length
Strength	: as per EN 13001				
Stability	: as per EN 13001				
Classification.	: as per ISO 4301-2.A4	**7,0 ton**	**10 m**	**70 tm**	**36 m**

Speeds — Jib position 0° / 30° / 45° luffed

m/min	kg	
18	7000	0 - 70 m/min
27	3500	
40	1750	0 - 1 rpm
60	0	

All motions with hydraulic proportinal controls

Luffing the jib 30° / 45° can be controlled from crane cab or via remote control

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

Crane equipped with full counterweight: 7400kg

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

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

Rated lifting capacity is net capacity

In all cases 2 parts of line

Max. line pull force 3500 kg.

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

Sail area of the load max. 1,0 m² / tonne at a windforce of 7 on the Beaufortscale.

Outrigger positioned according to lifting chart

Outrigger support base : **7,10 m x 6,4 m.**
Operation allowed up to wind force 8 Bf (17 m/sec).

Outrigger support base : **7,10 m x 4,80 m.**
Operation allowed up to wind force 8 Bf (17 m/sec).

Max. outrigger force: 280 kN.

Changes subject to modifications

LIFTING CHART outrigger support base 7,10 m x 6,40 m

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

Jib horizontal — Hook height 28,5m (height under the jib 30,3 m)

Radius (m)	Load (kg)
3,5	7000
12,36	7000
16	6250
20	5640
24	5135
28	4705
32	4340
36	4025
	3745
	3500
	3285
	3090
	2915
	2760
	2615
	2485
	2365
	2255
	2155
	2060
	1970
	1890
	1815
	1745
	1675
	1615
	1555
	1500

Jib 30° luffed

Hook height (m)	Radius (m)	Load (kg)
34,1	3,5	7000
34,8	10,86	7000
37,1	12	6825
39,4	16	6010
41,7	20	5365
44	24	4835
45,9	28	4395
	31,3	4025
		3710
		3435
		3195
		2980
		2795
		2625
		2475
		2340
		2215
		2100
		1995
		1900
		1815
		1735
		1655
		1585
		1520
		1500

Jib 45° luffed

Hook height (m)	Radius (m)	Load (kg)
35,4	3,5	1500
39,4	8	1500
43,4	12	1500
47,4	16	1500
51,4	20	1500
53,15	24	1500
	25,8	1500

LIFTING CHART outrigger support base 7,10 m x 4,80 m

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

Jib horizontal — Hook height 28,5m (height under the jib 30,3 m)

Radius (m)	Load (kg)
3,5	7000
10	7000
12	5720
16	5035
20	4485
24	4040
28	3665
32	3350
36	3085
	2850
	2645
	2470
	2310
	2165
	2040
	1925
	1820
	1720
	1635
	1555
	1480
	1410
	1345
	1285
	1230
	1180
	1130
	1085
	1040
	1000

Jib 30° luffed

Hook height (m)	Radius (m)	Load (kg)
32,9	3,5	7000
34,8	8,8	7000
37,1	12	6705
39,4	16	5670
41,7	20	4905
44	24	4310
45,9	28	3835
	31,3	3445
		3125
		2850
		2620
		2420
		2240
		2085
		1950
		1825
		1715
		1615
		1525
		1440
		1365
		1295
		1230
		1170
		1115
		1065
		1015
		1000

Jib 45° luffed

Hook height (m)	Radius (m)	Load (kg)
35,4	3,5	1000
39,4	8	1000
43,4	12	1000
47,4	16	1000
51,4	20	1000
53,15	24	1000
	25,8	1000

64–00.387.101

SPIERINGS

MOBILE CRANES

Make: SPIERINGS **Type: SK387-AT3** **LM2**

Crane specification

Limited slewing range 90°

Serial number:

Year of construction:

		Max. load	Max. radius with max. load	Max. capacity	Max. jib length
Strength	: as per EN 13001				
Stability	: as per EN 13001				
Classification.	: as per ISO 4301-2.A4	**7,0 ton**	**12,36 m**	**86,5 tm**	**36 m**

Speeds — Jib position 0° / 30° / 45° luffed

m/min	kg	
18	7000	0 - 70 m/min
27	3500	
40	1750	0 - 1 rpm
60	0	

All motions with hydraulic proportinal controls

Luffing the jib 30° / 45° can be controlled from crane cab or via remote control

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

Crane equipped with full counterweight: 7400kg

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

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

Rated lifting capacity is net capacity

In all cases 2 parts of line

Max. line pull force 3500 kg.

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

Sail area of the load max. 1,0 m² / tonne at a windforce of 7 on the Beaufortscale.

Outrigger positioned according to lifting chart

Outrigger support base : **7,10 m x 6,4 m.**
Operation allowed up to wind force 8 Bf (17 m/sec).

Outrigger support base : **7,10 m x 4,80 m.**
Operation allowed up to wind force 8 Bf (17 m/sec).

Max. outrigger force: 320 kN.

Changes subject to modifications

LIFTING CHART outrigger support base 7,10 m x 6,40 m

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

Jib horizontal — Hook height 28,5m (height under the jib 30,3 m)

Radius (m)	Load (kg)
3,5	7000
12,36	7000
16	6060
20	5195
24	4535
28	4015
32	3595
36	3245
	2955
	2710
	2495
	2310
	2145
	2000

Jib 30° luffed

Hook height (m)	Radius (m)	Load (kg)
34,1	3,5	7000
34,8	10,86	7000
37,1	12	6225
39,4	16	5200
41,7	20	4450
44	24	3875
45,9	28	3425
	31,3	3060
		2760
		2510
		2295
		2110
		2000

Jib 45° luffed

Hook height (m)	Radius (m)	Load (kg)
35,4	3,5	2000
39,4	8	2000
43,4	12	2000
47,4	16	2000
51,4	20	2000
53,15	24	2000
	25,8	2000

LIFTING CHART outrigger support base 7,10 m x 4,80 m

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

Jib horizontal — Hook height 28,5m (height under the jib 30,3 m)

Radius (m)	Load (kg)
3,5	7000
10	7000
12	5640
16	4705
20	4025
24	3500
28	3090
32	2760
36	2485
	2255
	2060
	1890
	1745
	1615
	1500

Jib 30° luffed

Hook height (m)	Radius (m)	Load (kg)
32,9	3,5	7000
34,8	8,8	7000
37,1	12	6010
39,4	16	4835
41,7	20	4025
44	24	3435
45,9	28	2980
	31,3	2625
		2340
		2100
		1900
		1735
		1585
		1500

Jib 45° luffed

Hook height (m)	Radius (m)	Load (kg)
35,4	3,5	1500
39,4	8	1500
43,4	12	1500
47,4	16	1500
51,4	20	1500
53,15	24	1500
	25,8	1500

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SPIERINGS HYDRAULIC FOLDING CRANE

SK 387-AT3

Overall weight: 36000 kg

SPIERINGS
MOBILE CRANES
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Specifications subject to change

64-00387102

SPIERINGS

HYDRAULIC FOLDING CRANE

SK387-AT3

Erection procedure of the crane

Max. outrigger force : 320 kN

Outrigger support pads : 1000x800 mm

Ground pressure : 0,40 N/mm²

Jib can be unfolded through 360°

Luffing the jib 30° / 45° can be controlled from the crane cab or remote control

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Specifications subject to change

64-00387103

SPIERINGS
HYDRAULIC FOLDING CRANE
SK387-AT3

Hoisting Specifications

Outrigger support base
7,10 m x 6,40 m

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Specifications subject to change

64-00387104

SPIERINGS
HYDRAULIC FOLDING CRANE
SK387-AT3

Hoisting Specifications

Outrigger support base
7,10 m x 4,80 m

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Specifications subject to change

64-00387105

Superstructure:
John Deere 6068HF485
Power: 205kW (2400tpm)
Torque: 1025Nm (1400tpm)

Electromotor - hydr.pump
Power: 150kW/3500tpm
Torque: 450Nm/2800tpm

PM synchr. generator
Power: 220kW/2400tpm

Powersupply: 400V/32A

PM synchr. motor
Power: 400kW/900-3500tpm
Torque: 4500Nm/0-900tpm

Creep drive:
Power: 40kW
Torque: 4190Nm

Batterypack:
Lithium-ion cells 30kWh
Max. discharge-current: 225A
Max. charge-current: 180A

Axle 1 : Steer axle, driven (end reduction i=9,75)
Axle 2 : Fixed axle, not steering and not driven.
Axle 3 : Steer axle, driven (end reduction i=4,3 up to 11km/h)

Tyres	: 445/75 R22,5
Suspension: hydro-pneumatic on all axles	: 247 mm
Max. speed carrier	: 80 km/h
Overall weight	: 36.000 kg.

Choices of drivetype:
- fully electrical
- hybrid
- diesel-electric

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DRIVE TRAIN SPIERINGS FOLDING CRANE SK387-AT3

Specifications subject to change

64-00387106

SPIERINGS

HYDRAULIC FOLDING CRANE

SK 387-AT3

Outrigger support base	
Max. outrigger force	320 kN
Outrigger support pads	1000x800 mm
Ground pressure	0,40 N/mm²

R1 : Superstructure
R2 : Guy bars

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Specifications subject to change

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