

# RODSON UNIVERSAL PTE. LTD.

[www.rodson.com](http://www.rodson.com)

57, Mohd Sultan Road. Sultan LINK. #03-05. Singapore 238997

Tel (65) 6933 9567

Fax (65) 6933 9544

Ref: eb1149 Email: [info@rodson.com](mailto:info@rodson.com)

## **2000 Liebherr LHM 320 104T Mobile Harbour Crane - For Sale** 2 Rope Operation complete with Hook, Spreader & Motor grab 15,000 Genuine Hours



Details: Pages 2 - 4  
Photos: Pages 5 - 8

# Technical data

## Capacity and Classification

	Capacity	Classification
Grab operation	< 36.5 t	A8
Grab operation	< 55 t	A6
Container	< 55 t	A6
Heavy lift	104 t	A3

## Main dimensions

Min. to max. outreach	10.5–43 m
Height of boom fulcrum	17.7 m
Tower cabin height (eye level)	24.2 m
Overall height (top of tower)	31.8 m
Overall length of undercarriage	18.9 m
Overall width of undercarriage	6.0 m

## Working speeds

Hoisting / lowering	0 – 90 m/min
Slewing	0 – 1.6 rpm
Luffing	0 – 84 m/min
Travelling	0 – 5.4 km/h

## Propping arrangements

Standard supporting base	12 m x 12 m
Standard pad dimension	4 x 5.5 m x 1.8 m
Standard supporting area of pads	9.9 m <sup>2</sup>
Optional size of supporting pads and bases on request	

## Quay load arrangements

Uniformly distributed load	1.71 t/m <sup>2</sup>
Max. load per tyre	5.75 t
Due to a unique undercarriage design its parameters (pad sizes, supporting base and number of axle sets) can easily be adapted to comply with the most stringent quay load restrictions.	

## Weight

Total weight	approx. 322 t
--------------	---------------

## Hoisting heights

Above quay at minimum radius	45 m
Above quay at maximum radius	30 m
Below quay level	15 m

# Container operation

Maximum crane capacity 104 t				
Outreach	Spreader operation under		Hook operation on the ropes	
	Single lift	Twin lift	Standard	Heavy lift
(m)	(t)	(t)	(t)	(t)
10.5	41.0	50.0	70.0	104.0
11	41.0	50.0	70.0	104.0
12	41.0	50.0	70.0	104.0
13	41.0	50.0	70.0	104.0
14	41.0	50.0	70.0	104.0
15	41.0	50.0	70.0	104.0
16	41.0	50.0	70.0	104.0
17	41.0	50.0	70.0	104.0
18	41.0	50.0	70.0	102.7
19	41.0	50.0	70.0	94.9
20	41.0	50.0	70.0	88.1
21	41.0	50.0	70.0	82.1
22	41.0	50.0	70.0	76.8
24	41.0	50.0	67.8	67.8
26	41.0	46.2	60.5	60.5
28	41.0	40.1	54.4	54.4
30	36.7	35.0	49.3	49.3
32	32.4	30.7	45.0	45.0
34	28.6	26.9	41.2	41.2
36	25.3	23.6	37.9	37.9
38	22.4	20.7	35.0	35.0
40	19.8	18.1	32.4	32.4
42	17.5	15.8	30.1	30.1
43	16.5	14.8	29.1	29.1

Weight rotator 3.6 t

Weight fully automatic (telescopic) spreader 9 t

Weight twin lift spreader 10.7 t

# Bulk operation

Maximum crane capacity 104 t <sup>(1)</sup>				
Outreach	Hook operation		Grab operation	
	on the ropes	4-rope grab	motor grab	
(m)	(t)	(t)	(t)	
10.5	104.0	52.0	70.0	
11	104.0	52.0	70.0	
12	104.0	52.0	70.0	
13	104.0	52.0	70.0	
14	104.0	52.0	70.0	
15	104.0	52.0	70.0	
16	104.0	52.0	70.0	
17	104.0	52.0	70.0	
18	102.7	52.0	70.0	
19	94.9	52.0	67.5	
20	88.1	52.0	62.6	
21	82.1	52.0	58.4	
22	76.8	52.0	54.6	
24	67.8	48.2	48.2	
26	60.5	43.0	43.0	
28	54.4	38.7	38.7	
30	49.3	35.1	35.1	
32	45.0	32.0	32.0	
34	41.2	29.3	29.3	
36	37.9	27.0	27.0	
38	35.0	24.9	24.9	
40	32.4	23.0	23.0	
42	30.1	21.4	21.4	
43	29.1	20.7	20.7	

Weight ramshorn hook 3.8 t  
Weight rotator 3.6 t

<sup>1)</sup> Variant I

Maximum crane capacity 104 t <sup>(2)</sup>				
Outreach	Hook operation		Grab operation	
	on the ropes	4-rope grab	motor grab	
(m)	(t)	(t)	(t)	
10.5	104.0	34.7	43.3	
11	104.0	34.7	43.3	
12	104.0	34.7	43.3	
13	104.0	34.7	43.3	
14	104.0	34.7	43.3	
15	104.0	34.7	43.3	
16	104.0	34.7	43.3	
17	104.0	34.7	43.3	
18	102.7	34.7	43.3	
19	94.9	34.7	43.3	
20	88.1	34.7	43.3	
21	82.1	34.7	43.3	
22	76.8	34.7	43.3	
24	67.8	34.7	43.3	
26	60.5	34.7	43.0	
28	54.4	34.7	38.7	
30	49.3	34.7	35.1	
32	45.0	32.0	32.0	
34	41.2	29.3	29.3	
36	37.9	27.0	27.0	
38	35.0	24.9	24.9	
40	32.4	23.0	23.0	
42	30.1	21.4	21.4	
43	29.1	20.7	20.7	

Weight ramshorn hook 3.8 t  
Weight rotator 3.6 t

<sup>2)</sup> Variant II





