

# Hitachi Sumitomo Heavy Industries Construction Crane Co.,Ltd.

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## SCX900-2 CRAWLER CRANE RATED LOAD LIFTING CAPACITY CHARTS FOR MAIN BOOM

(All capacity are rated for 360 deg. swing)



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Condition : Floating crane (on the pontoon), without short jib

The total counterweight 29.7 ton (A 9.9ton + B 9.9ton + C 9.9ton) and 2.0ton aux.weight are required for all capacities on this chart.

(Unit:Ton)

Working Radius (m)	Main Boom Length (m)											Working Radius (m)	
	12.0	15.0	18.0	21.0	24.0	27.0	30.0	33.0	36.0	39.0	42.0		
4.5	72.00												4.5
5.0	63.70	5.2m X 59.50t											5.0
5.5	56.15	55.40	5.8m X 51.50t										5.5
6.0	49.50	49.50	49.50										6.0
6.5	43.90	43.90	43.90	43.85									6.5
7.0	39.60	39.60	39.60	39.60	7.2m x 38.00t	7.9m x 33.10t							7.0
8.0	32.75	32.75	32.65	32.55	32.45	32.45	8.5m x 29.80t						8.0
9.0	27.80	27.70	27.60	27.50	27.45	27.35	27.25	9.2m x 26.30t	9.9m x 23.60t				9.0
10.0	24.00	23.90	23.85	23.75	23.65	23.55	23.45	23.30	23.20	10.6m x 21.50t	11.2m x 19.80t		10.0
12.0	11.8m x 19.35t	18.70	18.50	18.45	18.35	18.35	18.15	18.00	17.90	17.80	17.70		12.0
14.0		15.20	15.10	15.00	14.85	14.85	14.65	14.45	14.40	14.30	14.20		14.0
16.0		14.4m x 14.65t	12.75	12.60	12.50	12.30	12.15	12.05	11.95	11.75	11.70		16.0
18.0			17.0m x 11.70t	10.80	10.70	10.50	10.35	10.25	10.15	9.95	9.90		18.0
20.0				19.6m x 9.75t	9.25	9.15	9.00	8.80	8.70	8.60	8.45		20.0
22.0					8.10	8.00	7.80	7.70	7.65	7.45	7.35		22.0
24.0					22.2m x 7.95t	7.10	6.90	6.80	6.75	6.55	6.35		24.0
26.0						24.8m x 6.70t	6.20	6.00	5.90	5.75	5.65		26.0
28.0							27.4m x 5.75t	5.40	5.30	5.10	5.00		28.0
30.0								4.85	4.75	4.55	4.40		30.0
32.0									4.30	4.10	3.95		32.0
34.0									32.6m x 4.15t	3.65	3.50		34.0
36.0										35.2m x 3.45t	3.15		36.0
38.0											37.80m x 2.80t		38.0
40.0													40.0
42.0													42.0
Falls	7	6	5	4	4	4	3	3	3	2	2		Falls

### The pontoon specification

#### To be assigned

Dimensions : Height -- m, Width --m, Depth --m

Weight : --ton (With fixed equipment)

### Notes

- 1.The capacity are based on machine lashing condition to the pontoon.
- 2.Please hold firm crane position from the pontoon center of length direction within the back and forth 10m.
- 3.To calculate the maximum load that can actually be lifted, deduct weight of all lifting accessories, such as boom hook from figures shown above,
- 4.All rated load are based on machine structural limitation factors other than those which would cause a tipping condition, allowable maximum slant ship angle become 1.5deg. in a longitudinal direction and 3.0deg. in short-distance direction.
- 5.The lifting capacity change by the pontoon specification.
- 6.Please hold firm shipboard luggage balance from center to all circumference direction.