

**SUMITOMO SC650-3 CRAWLER CRANE - SERIAL No: 2023**  
**MAIN BOOM LIFTING CAPACITIES**  
**FITTED WITH A.B & C COUNTER WEIGHTS 24.8 TONNES**

(IN METRIC TONS)

WORKING RADIUS (M)	BOOM LENGTH (M)					
	28.10	31.15	34.20	37.25	40.30	
4.0						
4.5						
5.0						
6.0	38.0/6.3m	33.0/6.9m				
7.0	32.2	32.1	30.0/7.4m	26.1/7.9m		
8.0	26.5	26.4	26.3	26.1	24.6/8.5m	
9.0	22.4	22.3	22.2	22.1	22.0	
10.0	19.3	19.2	19.1	19.0	18.9	
12.0	15.3	15.2	15.1	15.0	14.9	
14.0	12.4	12.3	12.2	12.1	12.0	
16.0	10.3	10.2	10.1	10.0	9.9	
18.0	8.8	8.7	8.6	8.5	8.3	
20.0	7.6	7.5	7.4	7.3	7.1	
22.0	6.7	6.5	6.4	6.3	6.2	
24.0	5.9	5.8	5.6	5.5	5.4	
26.0	5.5/25.5m	5.1	5.0	4.9	4.7	
28.0		4.5	4.5	4.3	4.2	
30.0		4.5/28.1m	4.0	3.9	3.7	
32.0			3.8/30.8m	3.5	3.3	
34.0				3.2/33.4m	3.0	
36.0					2.6	
38.0					2.6/36.1m	
40.0						
No of Falls	6	5	5	4	4	

**NOTES:**

- Capacities shown are in metric tons - over the side - with machine standing level on firm supporting surface under ideal job conditions
- Deduction from the lifting crane capacities must be made for weight of hook blocks

KIND OF HOOK BLOCK	65T	35T	6.6T
WEIGHT TO BE DEDUCTED (t)	0.85T	0.50T	0.33T

WEIGHT TO BE DEDUCTED FOR SHORT JIB (T)	0.70
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- Always extend crawlers and raise high A frame before crane goes into service.
- The short jib capacities are equal to the crane lifting capacities of the main boom on which the short jib is fixed except that it is restricted to a maximum of 6.6 tonnes and should only be used for crane work.

COUNTERWEIGHT OVERHANGS SIDEFRAE BY 1450

