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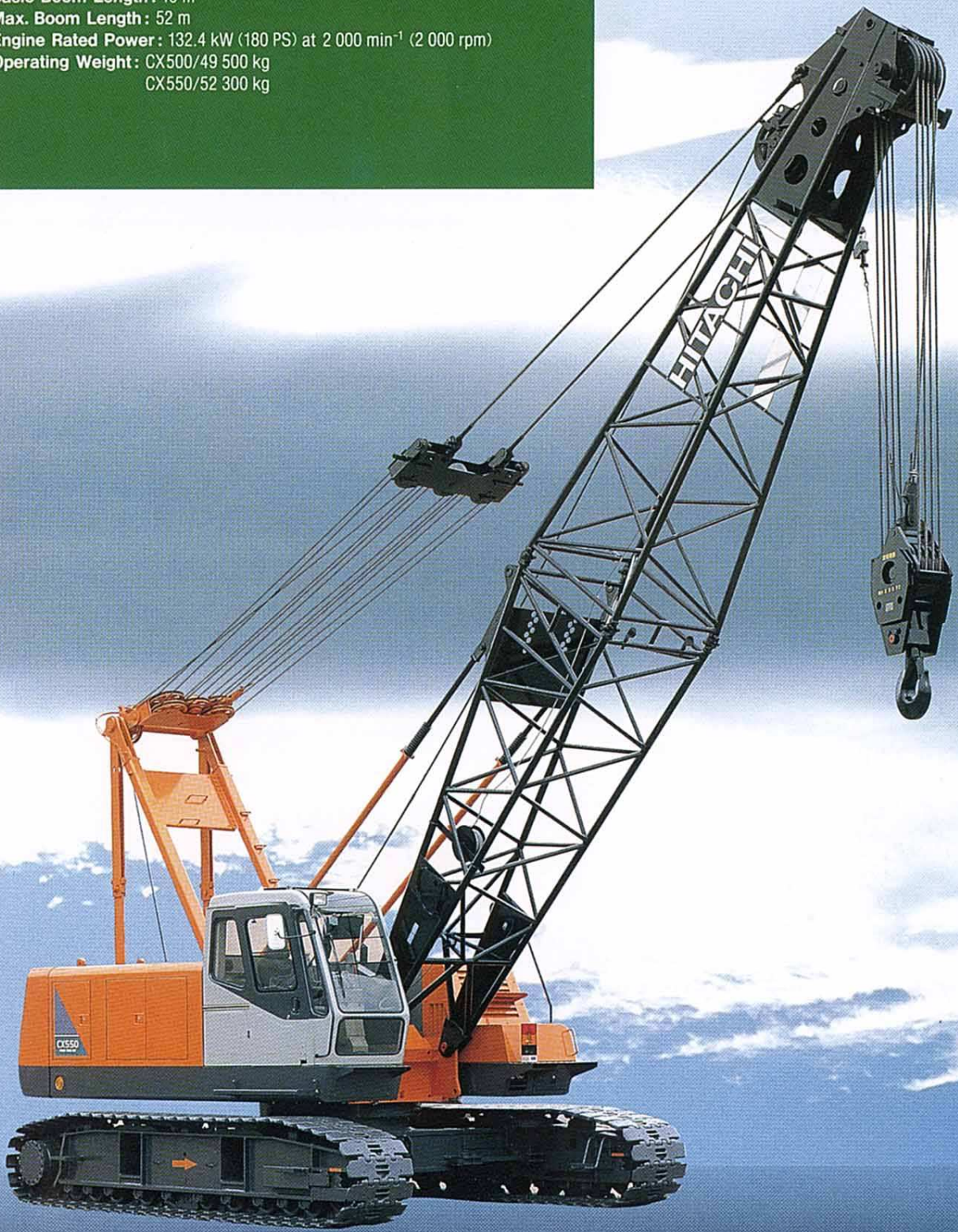
G.H. JOHNSON CRANE HIRE LTD.

HYDRAULIC CRAWLER CRANE

CX500/CX550

Max. Rated Load: CX500/50 000 kg at 3.8 m working radius
CX550/55 000 kg at 3.7 m working radius
Basic Boom Length: 10 m
Max. Boom Length: 52 m
Engine Rated Power: 132.4 kW (180 PS) at 2 000 min⁻¹ (2 000 rpm)
Operating Weight: CX500/49 500 kg
CX550/52 300 kg

HITACHI



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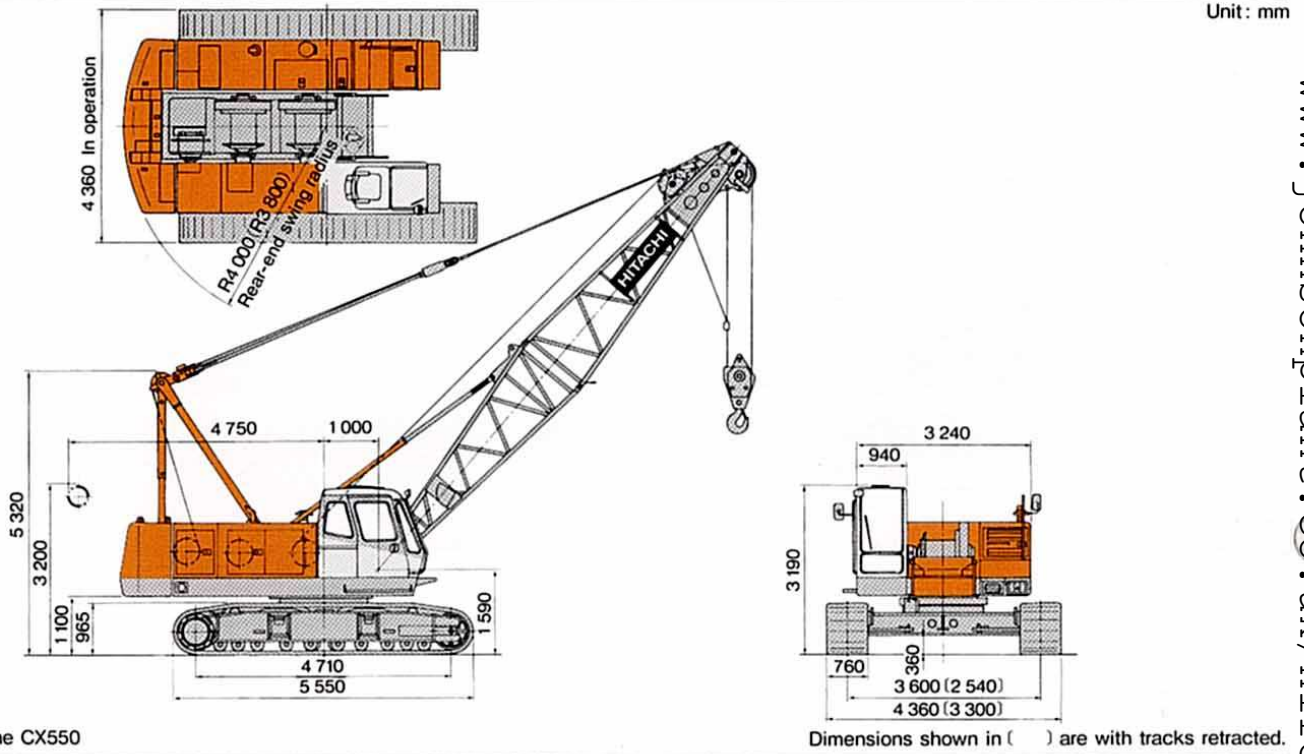
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Specifications

		CX500	CX550
Maximum Rated Load		50 000 kg at 3.8 m working radius	55 000 kg at 3.7 m working radius
Boom	Basic Boom Length	10 m	10 m
	Max. Boom Length	52 m	52 m
	Jib Length	6 m to 15 m	6 m to 15 m
	Max. Boom with Jib Length	43 m + 15 m	43 m + 15 m
Drum Line Speed	Main Hoist Drum	32/65/100* m/min	32/65/100* m/min
	Aux. Hoist Drum	32/65/100* m/min	32/65/100* m/min
	Boom Hoist Drum	53* m/min	53* m/min
Swing Speed		0 to 4.0 min ⁻¹ (4.0 rpm)	0 to 4.0 min ⁻¹ (4.0 rpm)
Travel Speed		0 to 1.4/1.7* km/h	0 to 1.4/1.7* km/h
Gradeability		22° (40%)	22° (40%)
Ground Pressure		62.8 kPa (0.64 kgf/cm ²)	66.6 kPa (0.68 kgf/cm ²)
Operating Weight		49 500 kg (Equipped with 10 m boom and 50 000 kg capacity hook)	52 300 kg (Equipped with 10 m boom and 55 000 kg capacity hook)
Engine	Model	Hino H07CT	Hino H07CT
	Rated Power	132.4 kW (180 PS) at 2 000 min ⁻¹ (2 000 rpm)	132.4 kW (180 PS) at 2 000 min ⁻¹ (2 000 rpm)

NOTE:
 Data expressed above are in SI units (International System of Unit), followed by data in conventional units in ().
 Data marked with an asterisk (*) are available in the crane mode, and the speeds may vary depending on the load.

Dimensions



Data in () is on the CX550

Main Boom Construction

Boom Elements	Boom Length (m)	10	13	16	19	22	25	28	31	34	37	40	43	46	49	52	
Lower Boom (5 m)		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Upper Boom (5 m)		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Boom Inserts Combinations		I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II
3 m Boom Insert			1	2	1	2	1	1	2	1	1	2	2	1	1	2	2
6 m Boom Insert					1	1	2	1	1	1	1	1	1	2	2	3	3
9 m Boom Insert											1	1	1	1	1	1	
9 m Boom Insert (B)						1	1	1	1	1	1	1	1	1	1	1	
Jib-Attachable Boom		Jib length 6 to 15 m															
Aux. Jib-Attachable Boom		Jib length 6 to 15 m															

Boom inserts combinations
 I : For crane boom only II : For crane boom with jib
 One 6 m boom insert is replaceable with two 3 m boom inserts, and one 9 m boom insert replaceable with a combination of 3 m and 9 m boom inserts.
 NOTE: When purchasing the 22 m boom, a boom length of 16 m is not available in the boom inserts combination II: in this case, a 3 m boom insert is required additionally.

●BS rating (Main Boom in 360° Working Area.)

The rated loads are determined according to BS (British Standard, 1981) and the machine is stationed on firm level ground.

Units: 10³ kg

Working Radius (m)	Boom Length (m)													
	10	13	16	19	22	25	28	31	34	37	40	43	46	49
3.5	50.00	3.8m×50.00												
4.0	48.05	47.85	4.4m×41.05											
4.5	40.10	39.80	39.75											
5.0	33.75	33.70	33.60	33.60										
5.5	29.25	29.15	29.10	29.05	28.70									
6.0	25.75	25.70	25.60	25.60	25.50	6.1m×24.80	6.7m×21.75							
7.0	20.75	20.70	20.60	20.55	20.50	20.45	20.35	7.3m×19.35	7.8m×17.30					
8.0	17.35	17.25	17.20	17.15	17.05	17.00	16.95	16.90	16.80	8.4m×15.65				
9.0	14.90	14.80	14.70	14.65	14.55	14.50	14.45	14.45	14.30	14.20	14.20	9.6m×13.00		
10.0	9.8m×12.65	12.90	12.80	12.75	12.65	12.60	12.50	12.50	12.40	12.30	12.30	12.20	10.1m×11.95	10.7m×10.70
12.0		10.25	10.10	10.05	9.95	9.90	9.80	9.80	9.70	9.60	9.60	9.50	9.40	9.35
14.0		12.4m×9.80	8.30	8.25	8.15	8.10	8.00	7.95	7.85	7.75	7.75	7.65	7.55	7.50
16.0			15.0m×7.60	6.95	6.85	6.80	6.70	6.65	6.55	6.45	6.40	6.30	6.20	6.10
18.0				17.6m×6.15	5.85	5.80	5.70	5.65	5.55	5.40	5.40	5.30	5.20	5.10
20.0					5.10	5.05	4.90	4.85	4.70	4.65	4.60	4.50	4.35	4.30
22.0					20.2m×5.05	4.40	4.30	4.20	4.10	4.00	3.95	3.85	3.75	3.65
24.0						22.8m×4.20	3.75	3.70	3.60	3.50	3.40	3.30	3.25	3.15
26.0							25.4m×3.45	3.25	3.10	3.05	3.00	2.90	2.80	2.70
28.0								2.90	2.75	2.65	2.60	2.50	2.40	2.30
30.0									2.45	2.35	2.30	2.20	2.05	2.00
32.0									30.6m×2.30	2.10	2.00	1.90	1.80	1.70
34.0										33.2m×1.85	1.75	1.70	1.55	1.50

NOTE:

- To calculate the maximum load that can actually be lifted, deduct weight of all lifting accessories, such as main hook, from figures shown above.
- Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
- The counterweight is 16 900 kg. (Two pieces)
- Be sure to fully extend the side frames before operating the machine.

5. Correlations between the number of falls, maximum rated loads, hook weights are shown in the table below.

Hook Capacity (kg)	Hook Weight (kg)	Maximum Rated Load (10 ³ kg)							
		8	7	6	5	4	3	2	1
55 000	610	50.0	45.5	39.0	32.5	26.0	19.5	13.0	—
30 000	360				30.0	26.0	19.5	13.0	—
15 000	320						15.0	13.0	—
6 500	260								6.5

Front-end Attachments Available.

