



IHI

CRAWLER CRANES
CHLINE-UP



Specifications are subject to change without notice due to technical improvements or modifications.
 Distributed by

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IHI CCH SERIES CRAWLER CRANES

CCH550
55ton



CCH700
70ton



CCH1000
100ton



CCH1400
140ton



CCH2500
250ton



CCH3000
300ton



CCH550T 55ton



Technical Details		CCH550T 55ton
Engine		
Make	Hino Motors	
Model	J08C-UD	
Rated output	175kW/2,100min ⁻¹	
Peak torque	990N·m/1,400min ⁻¹	
Crane Details		
Max. lifting capacity x Working radius	55 ton x 3.0m	
Boom length	11.3-34.4m	
Performance		
Swing speed	2.4min ⁻¹	
Travel speed	2.0/1.4km/h	
Main & Aux. hoisting / lowering speed (Max)	100/70 min	
Boom telescoping speed (11.3m-34.4m)	125 sec	
Part Line		
Hook block capacity x Part line	55 ton x 10 6 ton x 1	
Counter Weight	15.7 ton	
Total operating weight (with basic boom)	55.5 ton	
Average ground bearing pressure	71kPa (0.72kgf/cm ²)	
Line Pull		
Rated	58.8kN (6t)	
Max.	152.9kN (15.6t)	

Technical Details		CCH550 55ton	CCH700 70ton	CCH1000 100ton	CCH1400 140ton	CCH2500 250ton	CCH3000 300ton
Engine							
Make	Cummins	Cummins	Cummins	Cummins	Cummins	Cummins	
Model	QSB6.7	QSB6.7	QSB6.7	QSL 9	QSL 9	QSM11	
Rated output	149kW/2,100min ⁻¹	149kW/2,100min ⁻¹	179kW/2,000min ⁻¹	242kW/2,000min ⁻¹	242kW/2,000min ⁻¹	280kW/2,100min ⁻¹	
Peak torque	742N·m/1,500min ⁻¹	742N·m/1,500min ⁻¹	990N·m/1,500min ⁻¹	1,424N·m/1,500min ⁻¹	1,424N·m/1,500min ⁻¹	1,898N·m/1,400min ⁻¹	
Crane Details							
Max. lifting capacity x Working radius	55 ton x 3.0m	70 ton x 3.8m	100 ton x 4.0m	140 ton x 4.5m	250 ton x 5.2m	300 ton x 5.0m	
Max. boom length	51m	54m	61m	63m (81m w/taper)	72m (93m w/taper)	90m	
Max. boom combination (Main + Jib)	57m (42m + 15m)	63m (45m + 18m)	77m (49m + 22m)	91m (60m + 31m)	109m (72m + 37m)	109m (72m + 37m)	
Max. Luffing Jib boom length (Post + Jib)	—	—	—	—	—	133m (66m + 67m)	
Performance							
Swing speed	3.5min ⁻¹	3.3min ⁻¹	2.4min ⁻¹	2.1min ⁻¹	1.5min ⁻¹	1.4min ⁻¹	
Travel speed	1.6km/h	2.0/1.3km/h	1.5/1.0km/h	1.5/1.0km/h	0.9/0.6km/h	1.0/0.5km/h	
Main & Aux. hoisting / lowering speed (Max)	100/70 min	110/80 min	120/min	100/50 min	120/60 min	120/60 min	
Boom hoisting / lowering speed (Max)	60m/min	60m/min	65m/min	73m/min	34m/min x 2	32m/min x 2	
Part Line							
Hook block capacity x Part line	55 ton x 10 5.8 ton x 1	70 ton x 10 7 ton x 1	100 ton x 8 12 ton x 1	140 ton x 10 12 ton x 1	250 ton x 16 13.5 ton x 1	300 ton x 20 13.5 ton x 1	
Counter weight	16 ton	25 ton	30.6 ton	61 ton	92 ton	110 ton	
Car body weight	—	—	—	—	19 ton	26 ton	
Total operating weight (with basic boom)	48.8 ton	64.1 ton	87 ton	135 ton	210 ton	263.5 ton	
Average ground bearing pressure	62.4kPa (0.64kgf/cm ²)	76.4kPa (0.78kgf/cm ²)	87kPa (0.89kgf/cm ²)	96kPa (0.99kgf/cm ²)	113kPa (1.15kgf/cm ²)	120.5kPa (1.22kgf/cm ²)	
Line Pull							
Rated	56.9kN (5.8t)	68.6kN (7.0t)	117.7kN (12.0t)	117.7kN (12.0t)	132.4kN (13.5t)	132.4kN (13.5t)	
Max.	163.8kN (16.7t)	143.2kN (14.6t)	187.3kN (19.1t)	193.2kN (19.7t)	245.2kN (25t)	241.2kN (24.6t)	